

SWISS EPHEMERIS for the year 1731

JANUARY 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	6 40 29	10°31'05"1	3°42'29"	10°29'29"	9°R23	20°42'29"	9°R45	16°17'13"	3°57'50"	13°R 8	15°22'29"	17°26'29"	17°38'48"	27°28'48"	24°R38
T 2	6 44 26	11°12'01"	16°23'12"	12° 6'09"	9°22	21°29'19"	9°44	16°17'13"	3°53'13"	13°R 6	15°23'17"	17°R26	17°45'27"	27°54'24"	24°V38
W 3	6 48 22	12°13'11"	29°28'13"	13°44'09"	9°19	22°16'22"	9°43	16°22'35"	3°56'13"	13° 5	15°23'17"	17°26'17"	17°42'28"	28° 1	24°38
T 4	6 52 19	13°14'21"	12°58'15"	15°22'09"	9°14	23° 3'09"	9°41	16°26'35"	3°59'13"	13° 3	15°24'17"	17°25'17"	17°38'28"	28° 7	24°38
F 5	6 56 15	14°15'32"	26°57'17"	17° 1'09"	9° 5	23°50'23"	9°39	16°31'4°	2'13"	13° 2	15°24'17"	17°25'17"	17°35'28"	28°14	24°D38
S 6	7 0 12	15°16'43"	11°22'18"	18°40'08"	8°55	24°37'9°	37	16°36'16"	4° 5'13"	0	15°25'17"	17°25'17"	17°32'28"	28°21	24°38
S 7	7 4 8	16°17'53"	26°10'20"	20°19'08"	8°42	25°23'9°	35	16°40'16"	4° 8'12"	15°59	15°25'17"	17°25'17"	17°29'28"	28°27	24°38
M 8	7 8 5	17°19'04"	11°21'21"	21°59'08"	8°26	26°10'9°	32	16°45'16"	4°11'12"	15°58	15°25'17"	17°25'17"	17°26'28"	28°34	24°38
T 9	7 12 2	18°20'14"	26°27'26"	23°39'08"	8° 9	26°57'9°	30	16°50'16"	4°14'12"	15°56	15°26'17"	17°25'17"	17°22'28"	28°41	24°39
W10	7 15 58	19°21'23"	11°37'25"	25°20'07"	7°48	27°44'9°	27	16°55'16"	4°17'12"	15°55	15°26'17"	17°25'17"	17°19'28"	28°47	24°39
T 11	7 19 55	20°22'32"	26°37'27"	27° 1'07"	7°26	28°31'9°	24	17° 0'4°	20'12"	15°54	15°26'17"	17°24'17"	17°16'28"	28°54	24°39
F 12	7 23 51	21°23'41"	11°18'28"	28°42'07"	7° 1	29°18'9°	21	17° 6'4°	23'12"	15°52	15°27'17"	17°24'17"	17°13'29"	29° 1	24°40
S 13	7 27 48	22°24'48"	0°24'25"	30°24'06"	6°34	30° 5'9°	17	17°11'4°	25'12"	15°51	15°27'17"	17°23'17"	17°10'29"	29° 7	24°40
S 14	7 31 44	23°25'55"	9°25'2°	31° 5'06"	6° 5	30°52'9°	14	17°16'17"	4°28'12"	15°50	15°27'17"	17°23'17"	17° 7'29"	29°14	24°41
M15	7 35 41	24°27'01"	22°50'3°	32°47'5°	5°35	31°39'9°	10	17°21'17"	4°31'12"	15°49	15°27'17"	17°D23	17° 3'29"	29°21	24°41
T 16	7 39 37	25°28'06"	5°51'5°	33°29'5°	5° 3	32°25'9°	6	17°27'17"	4°34'12"	15°48	15°27'17"	17°23'17"	17° 0'29"	29°27	24°42
W17	7 43 34	26°29'10"	18°31'7°	34°29'3°	4°29	33°12'9°	2	17°32'17"	4°36'12"	15°47	15°27'17"	17°23'16°	16°57'29°	29°34	24°43
T 18	7 47 31	27°30'13"	0°54'8°	35°35'3°	3°54	33°59'8°	58	17°38'17"	4°39'12"	15°45	15°27'17"	17°24'16°	16°54'29°	29°41	24°43
F 19	7 51 27	28°31'15"	13° 3'10°	36°35'3°	3°18	34°46'8°	53	17°44'17"	4°41'12"	15°44	15°27'17"	17°25'16°	16°51'29°	29°47	24°44
S 20	7 55 24	29°32'17"	25° 3'12°	37°42'5°	2°42	35°33'8°	49	17°49'17"	4°44'12"	15°43	15°27'17°	17°27'16°	16°48'29°	29°54	24°45
S 21	7 59 20	0°33'17"	6°56'13°	38°57'2°	2° 5	36°19'8°	44	17°55'17"	4°46'12"	15°42	15°27'17°	17°27'16°	16°44'0°	29° 1	24°46
M22	8 3 17	1°34'17"	18°45'15°	39°57'1°	1°28	37° 6'8°	39	18° 1'18°	4°49'12"	15°41	15°27'17°	17°R28	16°41'0°	29° 7	24°47
T 23	8 7 13	2°35'16"	0°33'17°	40°51'0°	1°51	37°53'8°	34	18° 7'18°	4°51'12"	15°40	15°27'17°	17°27'16°	16°38'0°	29°14	24°48
W24	8 11 10	3°36'13"	12°22'18°	41°52'0°	1°14	38°40'8°	29	18°13'18°	4°54'12"	15°39	15°27'17°	17°26'16°	16°35'0°	29°20	24°49
T 25	8 15 6	4°37'10"	24°13'20°	42°58'29°	0°38	39°26'8°	23	18°19'18°	4°56'12"	15°38	15°26'17°	17°24'16°	16°32'0°	29°27	24°51
F 26	8 19 3	5°38'06"	6°9'22°	43°51'29°	0° 1	40°13'8°	18	18°25'18°	4°58'12"	15°37	15°26'17°	17°21'16°	16°28'0°	29°34	24°52
S 27	8 23 0	6°39'01"	18°13'23°	44°59'28°	10°59	40°59'8°	12	18°31'18°	5° 0'12"	15°36	15°26'17°	17°18'16°	16°25'0°	29°40	24°53
S 28	8 26 56	7°39'55"	0°25'24°	45°58'27°	11°46	41°46'8°	6	18°37'18°	5° 3'12"	15°36	15°25'17°	17°14'16°	16°22'0°	29°47	24°54
M29	8 30 53	8°40'48"	12°51'26°	46°55'27°	12°33	42°33'8°	0	18°44'18°	5° 5'12"	15°35	15°25'17°	17°12'16°	16°19'0°	29°54	24°56
T 30	8 34 49	9°41'41"	25°31'27°	47°59'26°	13°19	43°19'7°	54	18°50'18°	5° 7'12"	15°34	15°25'17°	17°10'16°	16°16'1°	29° 0	24°57
W31	8 38 46	10°42'33"	8°30'28°	48°52'26°	14° 6	44° 6'7°	48	18°56'18°	5° 9'12"	15°33	15°24'17°	17°D 9	16°13'1°	29° 7	24°59

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23s 5	6s12	5s 9	24s53	1s50	16s15	1n45	15s40	1s 7	9n 1	1n11	7s23	2s 6	20s49	0n 8	20n54	1s31	9n42	17n 5	22s20	22s17	19n45	9n30	0s 4
T 2	23 0	11 20	5 18	24 48	1 53	16 1	1 59	15 25	1 6	9 1	1 11	7 21	2 5	20 49	0 8	20 54	1 31	9 43	17 6	22 20	22 18	19 43	9 30	0 4
W 3	22 55	16 8	5 11	24 41	1 56	15 48	2 13	15 9	1 6	9 2	1 11	7 19	2 5	20 50	0 8	20 54	1 31	9 43	17 6	22 20	22 18	19 41	9 30	0 4
T 4	22 49	20 19	4 47	24 33	1 59	15 36	2 28	14 53	1 5	9 3	1 11	7 17	2 5	20 51	0 8	20 54	1 31	9 43	17 7	22 20	22 19	19 39	9 30	0 4
F 5	22 43	23 29	4 6	24 23	2 1	15 23	2 43	14 37	1 5	9 4	1 12	7 15	2 5	20 51	0 8	20 54	1 31	9 44	17 8	22 20	22 19	19 37	9 29	0 4
S 6	22 36	25 16	3 8	24 12	2 3	15 11	2 58	14 21	1 4	9 5	1 12	7 13	2 5	20 52	0 8	20 54	1 31	9 44	17 8	22 20	22 19	19 35	9 29	0 4
S 7	22 29	25 21	1 56	23 59	2 4	15 0	3 13	14 4	1 3	9 6	1 12	7 11	2 5	20 52	0 8	20 54	1 31	9 44	17 9	22 20	22 20	19 32	9 29	0 4
M 8	22 21	23 34	0 34	23 44	2 5	14 49	3 29	13 48	1 3	9 7	1 12	7 9	2 5	20 53	0 8	20 53	1 30	9 45	17 9	22 20	22 20	19 30	9 29	0 4
T 9	22 13	20 5	0n50	23 28	2 6	14 39	3 44	13 31	1 2	9 9	1 13	7 7	2 4	20 53	0 8	20 53	1 30	9 45	17 10	22 20	22 21	19 28	9 29	0 5
W10	22 5 15	14 2	11 23	20 2	6 14	29 4	0 13	14 1	2 9	10 1	1 13	7 5	2 4	20 54	0 8	20 53	1 30	9 46	17 10	22 20	22 21	19 26	9 29	0 5
T 11	21 56	9 30	3 21	22 51	2 6	14 20	4 15	12 58	1 1	9 11	1 13	7 3	2 4	20 54	0 8	20 53	1 30	9 46	17 11	22 20	22 21	19 24	9 30	0 5
F 12	21 46	3 22	4 17	22 30	2 6	14 11	4 30	12 41	1 0	9 13	1 14	7 0	2 4	20 55	0 8	20 53	1 30	9 47	17 12	22 20	22 22	19 21	9 30	0 5
S 13	21 36	2n45	4 55	22 7	2 4	14 3	4 45	12 24	1 0	9 14	1 14	6 58	2 4	20 56	0 8	20 53	1 30	9 47	17 12	22 21	22 22	19 19	9 30	0 5
S 14	21 26	8 34	5 15	21 43	2 3	13 56	5 0	12 6	0 59	9 16	1 14	6 56	2 4	20 56	0 8	20 53	1 30	9 48	17 13	22 21	22 23	19 17	9 30	0 5
M15	21 16	13 47	5 17	21 17	2 1	13 49	5 14	11 49	0 59	9 18	1 14	6 54	2 4	20 57	0 8	20 53	1 30	9 48	17 13	22 21	22 23	19 15	9 30	0 5
T 16	21 5 18	14 5	2 20	50 2	1 58	13 43	5 28	11 32	0 58	9 19	1 15	6 52	2 4	20 57	0 8	20 53	1 30	9 49	17 14	22 21	22 23	19 12	9 30	0 5
W17	20 53	21 43	4 32	20 21	1 55	13 38	5 42	11 14	0 57	9 21	1 15	6 49	2 3	20 58	0 8	20 52	1 30	9 49	17 15	22 21	22 24	19 10	9 30	0 5
T 18	20 41	24 8	3 51	19 51	1 51	13 33	5 55	10 56	0 57	9 23	1 15	6 47	2 3	20 58	0 8	20 52	1 30	9 50	17 15	22 20	22 24	19 8	9 31	0 5
F 19	20 29	25 22	3 0	19 19	1 46	13 29	6 8	10 39	0 56	9 25	1 15	6 45	2 3	20 58	0 8	20 52	1 30	9 50	17 16	22 20	22 25	19 6	9 31	0 5
S 20	20 17	25 24	2 1	18 46	1 41	13 25	6 20	10 21	0 55	9 27	1 16	6 42	2 3	20 59	0 8	20 52	1 30	9 51	17 16	22 20	22 25	19 4	9 31	0 5
S 21	20 4 24	16 0 58	18 11	1 35	13 22	6 31	10 3	0 55	9 29	1 16	6 40	2 3	20 59	0 8	20 52	1 30	9 51	17 17	22 20	22 25	19 1	9 31	0 5	
M22	19 50	22 3	0s 7	17 35	1 29	13 20	6 41	9 45	0 54	9 31	1 16	6 38	2 3	21 0	0 8	20 52	1 30	9 52	17 17	22 20	22 26	18 59	9 32	0 6
T 23	19 37	18 54	1 12	16 59	1 21	13 18	6 51	9 27	0 53	9 33	1 16	6 35	2 3	21 0	0 8	20 52	1 30	9 52	17 18	22 20	22 26	18 57	9 32	0 6
W24	19 23	14 59	2 14	16 21	1 13	13 17	7 0	9 9	0 53	9 35	1 16	6 33	2 3	21 1	0 8	20 52	1 30	9 53	17 19	22 20	22 27	18 55	9 32	0 6
T 25	19 8	10 29	3 10	15 42	1 4	13 17	7 8	8 51	0 52	9 37	1 17	6 30	2 2	21 1	0 8	20 52	1 30	9 54	17 19	22 21	22 27	18 52	9 33	0 6
F 26	18 53	5 35	3 58	15 3	0 54	13 17	7 15	8 33	0 51	9 40	1 17	6 28	2 2											

SWISS EPHEMERIS for the year 1731

MARCH 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	10 33 6	9♂57'24	1♂43	19°R 1	29♁15	6♂22	4°R13	22♁17	5♂47	12♁26	14°R58	15°R47	14♁40	4♁20	26♂5
F 2	10 37 2	10°57'30	15°19	18°D59	29°49	7° 7	4♁ 5	22°25	5°47	12°27	14♁57	15°D47	14°37	4°27	26° 8
S 3	10 40 59	11°57'34	29°15	19♁ 3	0♁25	7°53	3°57	22°32	5°48	12°27	14°55	15♁47	14°34	4°33	26°11
S 4	10 44 56	12°57'37	13♁30	19°13	1° 3	8°38	3°49	22°39	5°48	12°27	14°54	15°R48	14°31	4°40	26°14
M 5	10 48 52	13°57'38	28° 3	19°29	1°41	9°24	3°42	22°47	5°48	12°28	14°53	15°47	14°28	4°47	26°17
T 6	10 52 49	14°57'38	12♁50	19°51	2°21	10° 9	3°34	22°54	5°49	12°28	14°51	15°45	14°25	4°53	26°20
W 7	10 56 45	15°57'35	27°47	20°17	3° 1	10°55	3°26	23° 1	5°49	12°28	14°50	15°39	14°21	5° 0	26°23
T 8	11 0 42	16°57'31	12♁43	20°49	3°43	11°40	3°19	23° 9	5°49	12°29	14°49	15°32	14°18	5° 6	26°26
F 9	11 4 38	17°57'25	27°32	21°24	4°26	12°25	3°11	23°16	5°49	12°29	14°47	15°22	14°15	5°13	26°30
S 10	11 8 35	18°57'17	12♂3	22° 4	5°10	13°10	3° 4	23°24	5°49	12°30	14°46	15°12	14°12	5°20	26°33
S 11	11 12 31	19°57'07	26°11	22°48	5°55	13°55	2°57	23°31	5°R49	12°30	14°44	15° 2	14° 9	5°26	26°36
M12	11 16 28	20°56'54	9♁51	23°35	6°41	14°40	2°50	23°39	5°49	12°31	14°43	14°54	14° 5	5°33	26°39
T 13	11 20 25	21°56'40	23° 4	24°25	7°27	15°26	2°43	23°46	5°49	12°32	14°41	14°48	14° 2	5°40	26°43
W14	11 24 21	22°56'23	5♁50	25°19	8°15	16°11	2°35	23°53	5°49	12°32	14°40	14°44	13°59	5°46	26°46
T 15	11 28 18	23°56'04	18°14	26°16	9° 3	16°55	2°29	24° 1	5°49	12°33	14°38	14°43	13°56	5°53	26°49
F 16	11 32 14	24°55'43	0♁21	27°15	9°52	17°40	2°22	24° 8	5°49	12°34	14°37	14°D43	13°53	6° 0	26°53
S 17	11 36 11	25°55'19	12°16	28°18	10°42	18°25	2°15	24°16	5°48	12°35	14°35	14°R43	13°50	6° 6	26°56
S 18	11 40 7	26°54'53	24° 4	29°22	11°32	19°10	2° 8	24°23	5°48	12°35	14°33	14°43	13°46	6°13	27° 0
M19	11 44 4	27°54'25	5♁21	0♁29	12°23	19°55	2° 2	24°31	5°48	12°36	14°32	14°41	13°43	6°20	27° 3
T 20	11 48 0	28°53'54	17°41	1°39	13°15	20°40	1°56	24°38	5°47	12°37	14°30	14°36	13°40	6°26	27° 7
W21	11 51 57	29°53'22	29°38	2°50	14° 8	21°24	1°49	24°46	5°47	12°38	14°29	14°29	13°37	6°33	27°10
T 22	11 55 54	0♂52'47	11♁45	4° 4	15° 1	22° 9	1°43	24°53	5°46	12°39	14°27	14°19	13°34	6°40	27°14
F 23	11 59 50	1°52'10	24° 4	5°19	15°55	22°53	1°37	25° 0	5°46	12°40	14°25	14° 7	13°31	6°46	27°17
S 24	12 3 47	2°51'30	6♁35	6°36	16°49	23°38	1°31	25° 8	5°45	12°41	14°24	13°54	13°27	6°53	27°21
S 25	12 7 43	3°50'49	19°19	7°56	17°44	24°22	1°26	25°15	5°44	12°42	14°22	13°40	13°24	7° 0	27°24
M26	12 11 40	4°50'06	2♁15	9°17	18°39	25° 7	1°20	25°23	5°44	12°43	14°20	13°28	13°21	7° 6	27°28
T 27	12 15 36	5°49'21	15°22	10°39	19°35	25°51	1°15	25°30	5°43	12°44	14°19	13°18	13°18	7°13	27°32
W28	12 19 33	6°48'34	28°41	12° 4	20°32	26°36	1° 9	25°37	5°42	12°45	14°17	13°11	13°15	7°20	27°35
T 29	12 23 29	7°47'45	12♁10	13°30	21°29	27°20	1° 4	25°45	5°41	12°46	14°15	13° 7	13°11	7°26	27°39
F 30	12 27 26	8°46'55	25°51	14°57	22°26	28° 4	0°59	25°52	5°40	12°47	14°14	13° 5	13° 8	7°33	27°43
S 31	12 31 22	9♂46'03	9♁43	16♁27	23♁24	28♂48	0♁54	25♁59	5♂39	12♁49	14♁12	13♁ 5	13♁ 5	7♁40	27♂47

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	7s51	24s 2	3s34	13s17	1n57	15s11	5n16	2n 6	0s28	11n15	1n22	4s55	2s 1	21s10	0n 8	20n52	1s28	10n20	17n36	22s32	22s40	17n31	9n57	0s 8
F 2	7 28	25 15	2 36	13 31	1 44	15 12	5 8	2 25	0 27	11 18	1 22	4 52	2 1	21 10	0 8	20 52	1 28	10 21	17 36	22 32	22 40	17 29	9 58	0 9
S 3	7 52	24 56	1 28	13 43	1 30	15 12	5 0	2 44	0 26	11 21	1 22	4 49	2 1	21 10	0 8	20 52	1 28	10 21	17 37	22 32	22 41	17 26	9 59	0 9
S 4	6 42	23 0	0 12	13 52	1 16	15 13	4 52	3 2	0 26	11 23	1 22	4 46	2 1	21 11	0 8	20 52	1 28	10 22	17 37	22 32	22 41	17 24	10 0	0 9
M 5	6 19	19 31	1n 5	14 0	1 3	15 12	4 43	3 21	0 25	11 26	1 22	4 43	2 1	21 11	0 8	20 52	1 28	10 23	17 37	22 32	22 41	17 22	10 1	0 9
T 6	5 56	14 45	2 19	14 6	0 49	15 12	4 35	3 39	0 24	11 29	1 22	4 40	2 1	21 11	0 8	20 53	1 28	10 24	17 38	22 33	22 42	17 19	10 2	0 9
W 7	5 33	9 3	3 25	14 10	0 36	15 11	4 27	3 58	0 24	11 32	1 22	4 37	2 1	21 11	0 8	20 53	1 28	10 25	17 38	22 33	22 42	17 17	10 4	0 9
T 8	5 9	2 51	4 16	14 12	0 24	15 9	4 19	4 16	0 23	11 35	1 22	4 34	2 1	21 11	0 8	20 53	1 27	10 25	17 38	22 34	22 42	17 14	10 5	0 9
F 9	4 46	3n26	4 49	14 12	0 12	15 7	4 11	4 34	0 22	11 37	1 22	4 31	2 1	21 11	0 8	20 53	1 27	10 26	17 39	22 35	22 43	17 12	10 6	0 9
S 10	4 23	9 25	5 3	14 11	0s 0	15 5	4 3	4 53	0 21	11 40	1 22	4 28	2 1	21 11	0 8	20 53	1 27	10 27	17 39	22 36	22 43	17 10	10 7	0 9
S 11	3 59	14 45	4 58	14 7	0 12	15 2	3 55	5 11	0 21	11 43	1 22	4 25	2 1	21 11	0 8	20 53	1 27	10 28	17 39	22 38	22 43	17 7	10 8	0 9
M12	3 36	19 9	4 36	14 2	0 23	14 58	3 47	5 29	0 20	11 45	1 22	4 22	2 1	21 11	0 8	20 53	1 27	10 29	17 40	22 38	22 44	17 5	10 9	0 9
T 13	3 12	22 25	3 59	13 55	0 33	14 54	3 39	5 47	0 19	11 48	1 22	4 19	2 1	21 11	0 8	20 53	1 27	10 29	17 40	22 39	22 44	17 2	10 10	0 9
W14	2 48	24 27	3 12	13 47	0 43	14 50	3 31	6 5	0 19	11 50	1 22	4 17	2 1	21 11	0 8	20 54	1 27	10 30	17 40	22 40	22 44	17 0	10 11	0 9
T 15	2 25	15 13	2 16	13 37	0 53	14 45	3 23	6 23	0 18	11 53	1 22	4 14	2 1	21 11	0 8	20 54	1 27	10 31	17 40	22 40	22 45	16 58	10 12	0 9
F 16	2 1 24	44 1	1 16	13 25	1 2	14 40	3 15	6 41	0 17	11 55	1 22	4 11	2 1	21 11	0 8	20 54	1 27	10 32	17 40	22 40	22 45	16 55	10 14	0 10
S 17	1 37	23 7	0 13	13 12	1 11	14 34	3 7	6 59	0 17	11 58	1 22	4 8	2 1	21 11	0 8	20 54	1 27	10 33	17 41	22 40	22 45	16 53	10 15	0 10
S 18	1 14	20 31	0s50	12 57	1 19	14 28	3 0	7 16	0 16	12 0	1 22	4 5	2 1	21 11	0 8	20 54	1 27	10 33	17 41	22 40	22 46	16 50	10 16	0 10
M19	0 50	17 4	1 50	12 40	1 27	14 22	2 52	7 34	0 15	12 2	1 22	4 2	2 1	21 11	0 8	20 54	1 27	10 34	17 41	22 40	22 46	16 48	10 17	0 10
T 20	0 26	12 56	2 46	12 22	1 34	14 14	2 44	7 51	0 14	12 4	1 21	3 59	2 1	21 10	0 8	20 55	1 27	10 35	17 41	22 40	22 46	16 45	10 18	0 10
W21	0 3 8	16 3	3 34	12 3	1 41	14 7	2 37	8 9	0 14	12 7	1 21	3 56	2 1	21 10	0 8	20 55	1 27	10 36	17 41	22 41	22 47	16 43	10 20	0 10
T 22	0n21	3 15	4 14	11 42	1 48	13 59	2 29	8 26	0 13	12 9	1 21	3 53	2 1	21 10	0 8	20 55	1 27	10 36	17 42	22 42	22 47	16 41	10 21	0 10
F 23	0 45	1s58	4 43	11 20	1 53	13 50	2 22	8 43	0 12	12 11	1 21	3 50	2 1	21 10	0 8	20 55	1 27	10 37	17 42	22 44	22 47	16 38	10 22	0 10
S 24	1 8	7 11	4 58	10 56	1 59	13 41	2 15	9 0	0 12	12 13	1 21	3 47	2 1	21 10	0 8	20 55	1 27	10 38	17 42	22 45	22 48	16 36	10 23	0 10
S 25	1 32	12 11	4 59	10 31	2 4	13 31	2 7	9 17	0 11	12 15	1 21	3 45	2 1	21 10	0 8	20 55	1 27	10 39	17 42	22 46	22 48	16 33	10 24	0 10
M26	1 55	16 43	4 45	10 5	2 8	13 21	2 0	9 34	0 10	12 17	1 21	3 42	2 1	21 10	0 8	20 56	1 26	10 39	17 42	22 48	22 48	16 31	10 26	0 10
T 27	2 19	20 32	4 15	9 37	2 12	13 10	1 53	9 51	0 10	12 19	1 21	3 39	2 1	21 10	0 8	20 56	1 26	10 40	17 42	22 49	22 49	16 28	10 27	0 10
W28	2 42	23 20	3 32	9 8	2 16	12 59	1 46	10 8	0 9	12 20	1 21	3 36	2 1	21 10	0 8	20 56	1 26	10 41	17 42	22 49	22 49	16 26	10 28	0 10
T 29	3 6	24 51	2 36	8																				

SWISS EPHEMERIS for the year 1731

APRIL 1731

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	12 35 19	10°45'09	23°47'	17°57'	24°22'	29°32'	0°R50	26°7'	5°R38	12°II50	14°R10	13°R 5	13°3 2	7°Ω46	27°Υ50
M 2	12 39 16	11°44'13	8°33'	19°30'	25°21'	0°B17	0°M45	26°14'	5°R37	12°51'	14°R 9	13°3 3	12°59	7°53	27°54
T 3	12 43 12	12°43'16	22°28'	21° 4'	26°20'	1° 1'	0°41'	26°21'	5°36'	12°52'	14° 7'	13° 0'	12°56	8° 0'	27°58
W 4	12 47 9	13°42'16	7°H 0'	22°39'	27°20'	1°45'	0°37'	26°28'	5°35'	12°54'	14° 5'	12°54'	12°52	8° 6'	28° 2'
T 5	12 51 5	14°41'15	21°33'	24°16'	28°19'	2°29'	0°33'	26°36'	5°33'	12°55'	14° 4'	12°44'	12°49	8°13	28° 5'
F 6	12 55 2	15°40'12	6°Υ 0'	25°54'	29°20'	3°12'	0°29'	26°43'	5°32'	12°56'	14° 2'	12°33'	12°46	8°20	28° 9'
S 7	12 58 58	16°39'07	20°15'	27°34'	0°X20	3°56'	0°25'	26°50'	5°31'	12°58'	14° 0'	12°21'	12°43	8°26	28°13
S 8	13 2 55	17°38'00	4°B12	29°16'	1°21'	4°40'	0°22'	26°57'	5°30'	12°59'	13°59	12° 9'	12°40	8°33	28°17
M 9	13 6 51	18°36'51	17°47'	0°Υ59	2°22'	5°24'	0°18'	27° 4'	5°28'	13° 1'	13°57	11°59	12°37	8°39	28°21
T 10	13 10 48	19°35'40	0°II57	2°43'	3°24'	6° 8'	0°15'	27°11'	5°27'	13° 2'	13°55	11°51	12°33	8°46	28°24
W 11	13 14 45	20°34'26	13°44'	4°30'	4°25'	6°51'	0°12'	27°18'	5°25'	13° 4'	13°54	11°46	12°30	8°53	28°28
T 12	13 18 41	21°33'11	26°10'	6°17'	5°27'	7°35'	0° 9'	27°25'	5°24'	13° 5'	13°52	11°43	12°27	8°59	28°32
F 13	13 22 38	22°31'53	8°B19	8° 6'	6°30'	8°18'	0° 7'	27°32'	5°22'	13° 7'	13°50	11°D43	12°24	9° 6'	28°36
S 14	13 26 34	23°30'33	20°15'	9°57'	7°32'	9° 2'	0° 4'	27°39'	5°21'	13° 8'	13°49	11°R43	12°21	9°13	28°40
S 15	13 30 31	24°29'10	2°Ω 5'	11°50'	8°35'	9°45'	0° 2'	27°46'	5°19'	13°10'	13°47	11°42	12°17	9°19	28°44
M 16	13 34 27	25°27'46	13°54'	13°44'	9°38'	10°29'	29°Ω59	27°53'	5°17'	13°11'	13°45	11°41	12°14	9°26	28°48
T 17	13 38 24	26°26'19	25°47'	15°39'	10°42'	11°12'	29°58	28° 0'	5°15'	13°13'	13°44	11°37	12°11	9°33	28°52
W 18	13 42 20	27°24'50	7°M48	17°36'	11°45'	11°55'	29°56	28° 7'	5°14'	13°15'	13°42	11°31	12° 8'	9°39	28°55
T 19	13 46 17	28°23'19	20° 2'	19°35'	12°49'	12°39'	29°55	28°14'	5°12'	13°16'	13°40	11°23	12° 5'	9°46	28°59
F 20	13 50 14	29°21'46	2°Ω31	21°35'	13°53'	13°22'	29°54	28°21'	5°10'	13°18'	13°39	11°12	12° 2'	9°53	29° 3'
S 21	13 54 10	0°B20'10	15°16'	23°37'	14°57'	14° 5'	29°52	28°27'	5° 8'	13°20'	13°37	11° 0'	11°58	9°59	29° 7'
S 22	13 58 7	1°18'33	28°0'18	25°40'	16° 2'	14°48'	29°51	28°34'	5° 6'	13°22'	13°36	10°49	11°55	10° 6'	29°11
M 23	14 2 3	2°16'54	11°M35	27°44'	17° 6'	15°31'	29°51	28°41'	5° 4'	13°23'	13°34	10°38	11°52	10°13	29°15
T 24	14 6 0	3°15'14	25° 6'	29°50'	18°11'	16°14'	29°50	28°47'	5° 2'	13°25'	13°32	10°29	11°49	10°19	29°19
W 25	14 9 56	4°13'31	8°M48	1°B56	19°16'	16°57'	29°50	28°54'	5° 0'	13°27'	13°31	10°23	11°46	10°26	29°23
T 26	14 13 53	5°11'47	22°38'	4° 4'	20°22'	17°40'	29°49	29° 0'	4°58'	13°29'	13°29	10°19	11°42	10°33	29°27
F 27	14 17 49	6°10'02	6°B35	6°13'	21°27'	18°23'	29°D49	29° 7'	4°56'	13°31'	13°28	10°D18	11°39	10°39	29°30
S 28	14 21 46	7° 8'15	20°37'	8°22'	22°33'	19° 6'	29°50	29°13'	4°54'	13°32'	13°26	10°18	11°36	10°46	29°34
S 29	14 25 43	8° 6'26	4°M43	10°31'	23°38'	19°48'	29°50	29°20'	4°52'	13°34'	13°25	10°R18	11°33	10°53	29°38
M 30	14 29 39	9°B 4'37	18°M52	12°B41	24°M44	20°B31	29°Ω50	29°M26	4°M50	13°II36	13°Ω23	10°B18	11°B30	10°Ω59	29°M42

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	4n16	20s27	0n56	7s 0	2s25	12s10	1n19	11n14	0s 6	12n27	1n20	3s25	2s 2	21s 9	0n 8	20n57	1s26	10n44	17n43	22s50	22s50	16n16	10n33	0s11
M 2	4 39	16 13	2 8	6 24	2 26	11 57	1 13	11 30	0 6	12 28	1 20	3 22	2 2	21 9	0 8	20 57	1 26	10 44	17 43	22 50	22 50	16 14	10 34	0 11
T 3	5 2	11 1	3 12	5 48	2 27	11 43	1 6	11 46	0 5	12 30	1 20	3 19	2 2	21 8	0 8	20 57	1 26	10 45	17 43	22 50	22 51	16 11	10 36	0 11
W 4	5 25	5 10	4 4	5 10	2 27	11 29	1 0	12 2	0 4	12 31	1 20	3 16	2 2	21 8	0 8	20 57	1 26	10 46	17 43	22 51	22 51	16 9	10 37	0 11
T 5	5 48	0n56	4 40	4 32	2 27	11 14	0 53	12 18	0 4	12 33	1 20	3 13	2 2	21 8	0 8	20 58	1 26	10 46	17 43	22 52	22 51	16 6	10 38	0 11
F 6	6 11	6 57	4 58	3 52	2 26	10 59	0 47	12 33	0 4	12 34	1 20	3 11	2 2	21 8	0 8	20 58	1 26	10 47	17 43	22 53	22 52	16 4	10 40	0 11
S 7	6 33	12 31	4 58	3 11	2 25	10 44	0 41	12 49	0 2	12 35	1 20	3 8	2 2	21 8	0 8	20 58	1 26	10 48	17 43	22 54	22 52	16 1	10 41	0 11
S 8	6 56	17 18	4 39	2 29	2 23	10 28	0 35	13 4	0 2	12 36	1 20	3 5	2 2	21 7	0 8	20 58	1 26	10 48	17 43	22 55	22 52	15 59	10 42	0 11
M 9	7 18	21 4	4 5	1 45	2 20	10 11	0 29	13 20	0 1	12 37	1 19	3 2	2 2	21 7	0 8	20 58	1 26	10 49	17 43	22 56	22 53	15 56	10 43	0 11
T 10	7 41	23 36	3 18	1 1	2 18	9 55	0 24	13 35	0 0	12 38	1 19	3 0	2 3	21 7	0 8	20 59	1 26	10 49	17 43	22 57	22 53	15 54	10 45	0 11
W 11	8 3	24 50	2 22	0 16	2 14	9 37	0 18	13 50	0n 0	12 39	1 19	2 57	2 3	21 7	0 8	20 59	1 26	10 50	17 43	22 57	22 53	15 51	10 46	0 12
T 12	8 25	24 47	1 21	0n30	2 10	9 20	0 12	14 5	0 1	12 40	1 19	2 54	2 3	21 6	0 8	20 59	1 26	10 51	17 43	22 57	22 53	15 49	10 47	0 12
F 13	8 47	23 31	0 18	1 18	2 6	9 2	0 7	14 19	0 2	12 41	1 19	2 51	2 3	21 6	0 8	20 59	1 26	10 51	17 43	22 57	22 54	15 46	10 49	0 12
S 14	9 9	21 12	0s45	2 6	2 1	8 44	0 2	14 34	0 2	12 41	1 19	2 49	2 3	21 6	0 8	21 0	1 26	10 52	17 42	22 57	22 54	15 44	10 50	0 12
S 15	9 30	18 0	1 46	2 55	1 56	8 25	0s 4	14 48	0 3	12 42	1 19	2 46	2 3	21 6	0 8	21 0	1 26	10 52	17 42	22 57	22 54	15 41	10 51	0 12
M 16	9 52	14 6	2 42	3 44	1 50	8 6	0 9	15 3	0 4	12 43	1 18	2 43	2 3	21 5	0 8	21 0	1 25	10 53	17 42	22 58	22 55	15 39	10 53	0 12
T 17	10 13	9 38	3 31	4 35	1 43	7 47	0 14	15 17	0 4	12 43	1 18	2 41	2 3	21 5	0 8	21 0	1 25	10 53	17 42	22 58	22 55	15 36	10 54	0 12
W 18	10 34	4 46	4 12	5 26	1 36	7 27	0 19	15 31	0 5	12 44	1 18	2 38	2 3	21 5	0 8	21 1	1 25	10 54	17 42	22 58	22 55	15 34	10 55	0 12
T 19	10 55	0s22	4 41	6 18	1 29	7 7	0 23	15 45	0 6	12 44	1 18	2 36	2 4	21 4	0 8	21 1	1 25	10 54	17 42	22 59	22 56	15 31	10 57	0 12
F 20	11 16	5 34	4 58	7 10	1 21	6 47	0 28	15 58	0 6	12 44	1 18	2 33	2 4	21 4	0 8	21 1	1 25	10 55	17 42	23 0	22 56	15 29	10 58	0 12
S 21	11 36	10 39	5 1	8 3	1 13	6 26	0 33	16 12	0 7	12 45	1 18	2 31	2 4	21 4	0 8	21 1	1 25	10 55	17 42	23 1	22 56	15 26	10 59	0 12
S 22	11 57	15 22	4 48	8 56	1 4	6 5	0 37	16 25	0 8	12 45	1 17	2 28	2 4	21 3	0 8	21 2	1 25	10 56	17 41	23 2	22 56	15 24	11 0	0 12
M 23	12 17	19 26	4 20	9 49	0 55	5 44	0 42	16 39	0 8	12 45	1 17	2 25	2 4	21 3	0 8	21 2	1 25	10 56	17 41	23 3	22 57	15 21	11 2	0 12
T 24	12 37	22 34	3 36	10 43	0 46	5 23	0 46	16 52	0 9	12 45	1 17	2 23	2 4	21 3	0 8	21 2	1 25	10 56	17 41	23 4	22 57	15 19	11 3	0 13
W 25	12 57	24 25	2 39	11 36	0 36	5 1	0 50	17 4	0 9	12 45	1 17	2 21	2 4	21 2	0 8	21 2	1 25	10 57	17 41	23 4	22 57	15 16	11 4	0 13
T 26	13 16	24 49	1 33	12 29	0 26	4 39	0 54	17 17	0 10	12 45	1 17	2 18	2 5	21 2	0 8	21 3	1 25	10 57	17 41	23 4	22 57	15 14	11 6	0 13
F 27	13 36	23 38	0 20	13 22	0 16	4 17	0 58	17 30	0 11	12 45	1 17	2 16	2 5	21 2	0 8	21 3	1 25	10 58	17 41	23 4	22 58	15 11	11 7	0 13
S 28	13 55	20 59	0n55	14 14	0 5	3 55	1 2	17 42	0 11	12 45	1 16	2 13	2 5	21 1	0 8	21 3	1 25	10 58	17 40	23 4	22 58	15 8	11 8	0 13
S 29	14 14	17 4	2 7	15 5	0n 6	3 32	1 5	17 54	0 12	12 44	1 16	2 11	2 5	21 1	0 8	21 3	1 25	10 58	17 40	23 4	22 58	15 6	11 10	0 13

SWISS EPHEMERIS for the year 1731

MAY 1731

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	14 33 36	10♂ 2'45	3♃ 2	14♂50	25♃50	21♂14	29♂51	29♃32	4°R48	13♂38	13°R22	10°R16	11♂27	11♂ 6	29♃46
W 2	14 37 32	11° 0'52	17°13	17° 0	26°57	21°56	29°52	29°38	4♂46	13°40	13♂20	10♂12	11°23	11°13	29°50
T 3	14 41 29	11°58'58	17°20	19° 8	28° 3	22°39	29°53	29°45	4°44	13°42	13°19	10° 5	11°20	11°19	29°54
F 4	14 45 25	12°57'02	15°20	21°15	29°10	23°22	29°54	29°51	4°41	13°44	13°18	9°56	11°17	11°26	29°57
S 5	14 49 22	13°55'05	29° 9	23°22	0°V16	24° 4	29°56	29°57	4°39	13°46	13°16	9°47	11°14	11°33	0♂ 1
S 6	14 53 18	14°53'06	12♂44	25°26	1°23	24°46	29°57	0°V 3	4°37	13°48	13°15	9°38	11°11	11°39	0° 5
M 7	14 57 15	15°51'06	26° 2	27°29	2°30	25°29	29°59	0° 9	4°35	13°50	13°13	9°30	11° 8	11°46	0° 9
T 8	15 1 12	16°49'04	9♂ 0	29°30	3°37	26°11	0°V 1	0°15	4°32	13°52	13°12	9°24	11° 4	11°53	0°13
W 9	15 5 8	17°47'00	21°40	1♂28	4°44	26°53	0° 3	0°21	4°30	13°54	13°11	9°20	11° 1	11°59	0°16
T 10	15 9 5	18°44'55	4♂ 2	3°24	5°52	27°36	0° 5	0°26	4°28	13°56	13° 9	9°D19	10°58	12° 6	0°20
F 11	15 13 1	19°42'48	16° 9	5°17	6°59	28°18	0° 8	0°32	4°25	13°58	13° 8	9°19	10°55	12°13	0°24
S 12	15 16 58	20°40'39	28° 6	7° 7	8° 7	29° 0	0°11	0°38	4°23	14° 0	13° 7	9°20	10°52	12°19	0°27
S 13	15 20 54	21°38'29	9♂57	8°55	9°14	29°42	0°13	0°43	4°20	14° 2	13° 6	9°21	10°48	12°26	0°31
M14	15 24 51	22°36'17	21°47	10°39	10°22	0°V24	0°16	0°49	4°18	14° 5	13° 5	9°R22	10°45	12°33	0°35
T 15	15 28 47	23°34'03	3♂41	12°20	11°30	1° 6	0°20	0°54	4°16	14° 7	13° 3	9°21	10°42	12°39	0°39
W16	15 32 44	24°31'47	15°44	13°58	12°38	1°48	0°23	1° 0	4°13	14° 9	13° 2	9°19	10°39	12°46	0°42
T 17	15 36 41	25°29'30	28° 1	15°33	13°46	2°30	0°26	1° 5	4°11	14°11	13° 1	9°14	10°36	12°53	0°46
F 18	15 40 37	26°27'11	10♂36	17° 5	14°54	3°12	0°30	1°11	4° 8	14°13	13° 0	9° 9	10°33	12°59	0°49
S 19	15 44 34	27°24'51	23°30	18°33	16° 3	3°54	0°34	1°16	4° 6	14°15	12°59	9° 2	10°29	13° 6	0°53
S 20	15 48 30	28°22'29	6♂44	19°57	17°11	4°35	0°38	1°21	4° 3	14°17	12°58	8°55	10°26	13°13	0°57
M21	15 52 27	29°20'06	20°19	21°19	18°19	5°17	0°42	1°26	4° 1	14°20	12°57	8°49	10°23	13°19	1° 0
T 22	15 56 23	0♂17'42	4♂12	22°36	19°28	5°59	0°47	1°31	3°58	14°22	12°56	8°44	10°20	13°26	1° 4
W23	16 0 20	1°15'17	18°18	23°50	20°37	6°40	0°51	1°36	3°56	14°24	12°55	8°41	10°17	13°33	1° 7
T 24	16 4 16	2°12'50	2♂35	25° 1	21°45	7°22	0°56	1°41	3°53	14°26	12°54	8°D39	10°14	13°39	1°11
F 25	16 8 13	3°10'23	16°56	26° 8	22°54	8° 3	1° 0	1°46	3°51	14°28	12°53	8°39	10°10	13°46	1°14
S 26	16 12 10	4° 7'54	1♂19	27°11	24° 3	8°45	1° 5	1°50	3°48	14°31	12°52	8°41	10° 7	13°53	1°17
S 27	16 16 6	5° 5'25	15°38	28°11	25°12	9°26	1°11	1°55	3°46	14°33	12°51	8°42	10° 4	13°59	1°21
M28	16 20 3	6° 2'55	29°53	29° 6	26°21	10° 8	1°16	2° 0	3°43	14°35	12°50	8°R43	10° 1	14° 6	1°24
T 29	16 23 59	7° 0'24	14♂ 0	29°58	27°30	10°49	1°21	2° 4	3°41	14°37	12°49	8°43	9°58	14°13	1°28
W30	16 27 56	7°57'52	27°58	0♂46	28°40	11°30	1°27	2° 9	3°38	14°39	12°49	8°42	9°54	14°19	1°31
T 31	16 31 52	8♂55'20	11°V45	1♂29	29°V49	12♂12	1♂32	2°V13	3♂36	14♂42	12♂48	8♂39	9♂51	14♂26	1♂34

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14n51	6s37	4n 3	16n44	0n27	2s46	1s12	18n18	0n13	12n44	1n16	2s 6	2s 5	21s 0	0n 8	21n 4	1s25	10n59	17n40	23s 5	22s59	15n 1	11n12	0s13
W 2	15 9 0 45	4 41 17 32	0 37	2 23 1 16	18 30	0 14 12 43	1 16 2 4	2 6 21 0	0 8 21 4	1 25 10 59	17 39 23 5	22 59 14 58	11 13 0 13											
T 3	15 27 5n 8	5 1 18 18	0 48	1 59 1 19	18 42	0 14 12 43	1 16 2 1	2 6 20 59	0 8 21 4	1 25 11 0	17 39 23 5	22 59 14 56	11 15 0 13											
F 4	15 45 10 42	5 4 19 2 0	58 1 35	1 22 18 53	0 15 12 42	1 15 1 59	2 6 20 59	0 8 21 5	1 25 11 0	17 39 23 6	23 0 14 53	11 16 0 13												
S 5	16 2 15 40	4 48 19 44	1 8 1 12	1 25 19 4	0 16 12 41	1 15 1 57	2 6 20 58	0 8 21 5	1 25 11 0	17 38 23 7	23 0 14 51	11 17 0 13												
S 6	16 20 19 45	4 16 20 24	1 17 0 48	1 28 19 15	0 16 12 41	1 15 1 55	2 6 20 58	0 8 21 5	1 25 11 0	17 38 23 7	23 0 14 48	11 18 0 14												
M 7	16 37 22 42	3 31 21 1	1 26 0 24	1 31 19 26	0 17 12 40	1 15 1 52	2 6 20 58	0 8 21 6	1 25 11 1	17 38 23 8	23 0 14 46	11 20 0 14												
T 8	16 53 24 24	2 36 21 36	1 34 0n 1	1 34 19 37	0 17 12 39	1 15 1 50	2 7 20 57	0 8 21 6	1 25 11 1	17 38 23 8	23 1 14 43	11 21 0 14												
W 9	17 10 24 46	1 34 22 9	1 42 0 25	1 36 19 47	0 18 12 38	1 15 1 48	2 7 20 57	0 8 21 6	1 25 11 1	17 37 23 9	23 1 14 40	11 22 0 14												
T 10	17 26 23 53	0 28 22 39	1 49 0 49	1 39 19 57	0 19 12 37	1 14 1 46	2 7 20 56	0 8 21 6	1 25 11 1	17 37 23 9	23 1 14 38	11 23 0 14												
F 11	17 41 21 53	0s37 23 7	1 56 1 14	1 41 20 7	0 19 12 36	1 14 1 44	2 7 20 56	0 8 21 7	1 25 11 1	17 37 23 9	23 2 14 35	11 25 0 14												
S 12	17 57 18 56	1 40 23 32	2 2 1 38	1 43 20 17	0 20 12 35	1 14 1 42	2 7 20 55	0 8 21 7	1 25 11 2	17 36 23 9	23 2 14 33	11 26 0 14												
S 13	18 12 15 15	2 38 23 54	2 7 2 3	1 45 20 27	0 20 12 34	1 14 1 40	2 7 20 55	0 8 21 7	1 25 11 2	17 36 23 9	23 2 14 30	11 27 0 14												
M14	18 27 10 58	3 29 24 14	2 11 2 28	1 47 20 36	0 21 12 32	1 14 1 38	2 8 20 55	0 8 21 7	1 25 11 2	17 36 23 9	23 2 14 28	11 28 0 14												
T 15	18 42 6 15	4 12 24 32	2 14 2 53	1 49 20 46	0 21 12 31	1 14 1 36	2 8 20 54	0 8 21 8	1 24 11 2	17 35 23 9	23 3 14 25	11 29 0 14												
W16	18 56 1 16	4 44 24 47	2 17 3 18	1 51 20 55	0 22 12 30	1 13 1 34	2 8 20 54	0 8 21 8	1 24 11 2	17 35 23 9	23 3 14 22	11 31 0 14												
T 17	19 10 3s51	5 3 24 59	2 19 3 42	1 53 21 4	0 23 12 28	1 13 1 32	2 8 20 53	0 8 21 8	1 24 11 2	17 34 23 9	23 3 14 20	11 32 0 14												
F 18	19 23 8 56	5 9 25 10	2 20 4 7	1 54 21 12	0 23 12 27	1 13 1 30	2 8 20 53	0 8 21 9	1 24 11 2	17 34 23 10	23 3 14 17	11 33 0 15												
S 19	19 37 13 46	5 0 25 18	2 20 4 32	1 56 21 21	0 24 12 25	1 13 1 28	2 9 20 52	0 8 21 9	1 24 11 2	17 34 23 10	23 4 14 15	11 34 0 15												
S 20	19 50 18 6	4 34 25 24	2 19 4 57	1 57 21 29	0 24 12 24	1 13 1 26	2 9 20 52	0 8 21 9	1 24 11 2	17 33 23 10	23 4 14 12	11 35 0 15												
M21	20 2 21 35	3 52 25 29	2 18 5 22	1 59 21 37	0 25 12 22	1 13 1 24	2 9 20 51	0 8 21 9	1 24 11 2	17 33 23 11	23 4 14 9	11 37 0 15												
T 22	20 15 23 54	2 56 25 31	2 15 5 47	2 0 21 45	0 25 12 21	1 12 1 22	2 9 20 51	0 8 21 10	1 24 11 2	17 32 23 11	23 4 14 7	11 38 0 15												
W23	20 26 24 46	1 49 25 32	2 12 6 12	2 1 21 53	0 26 12 19	1 12 1 21	2 10 20 51	0 8 21 10	1 24 11 2	17 32 23 11	23 5 14 4	11 39 0 15												
T 24	20 38 24 0	0 33 25 31	2 8 6 36	2 2 22 0	0 27 12 17	1 12 1 19	2 10 20 50	0 8 21 10	1 24 11 2	17 31 23 11	23 5 14 2	11 40 0 15												
F 25	20 49 21 39	0n45 25 28	2 3 7 1	2 3 22 8	0 27 12 15	1 12 1 17	2 10 20 50	0 8 21 10	1 24 11 2	17 31 23 11	23 5 13 59	11 41 0 15												
S 26	21 0 17 56	2 1 25 24	1 57 7 26	2 3 22 15	0 28 12 13	1 12 1 15	2 10 20 49	0 7 21 11	1 24 11 2	17 31 23 11	23 5 13 56	11 42 0 15												
S 27	21 11 13 10	3 8 25 18	1 50 7 50	2 4 22 22	0 28 12 11	1 12 1 14	2 10 20 49	0 7 21 11	1 24 11 2	17 30 23 11	23 6 13 54	11 43 0 15												
M28	21 21 7 43	4 4 25 11	1 43 8 15	2 5 22 28	0 29 12 9	1 11 1 12	2 11 20 48	0 7 21 11	1 24 11 2	17 30 23 11	23 6 13 51	11 44 0 15												
T 29	21 31 1 56	4 44 25 3	1 35 8 39	2 5 22 35	0 29 12 7	1 11 1 11	2 11 20 48	0 7 21 11	1 24 11 2	17 29 23 11	23 6 13 49	11 45 0 15												
W30	21 40 3n53	5 7 24 54	1 25 9 4	2 5 22 41	0 30 12 5	1 11 1 9	2 11 20 47	0 7 21 12	1 24 11 2	17 29 23 11	23 6 13 46	11 46 0 16												
T 31	21n49	9n26	5n12	24n43	1n15	9n28	2s 6	22n47	0n30	12n 3	1n11	1s 8	2s11	20s47	0n 7	21n12	1s24	11n 1	17n28	23s12	23s 6	13n43	11n48	0s16

Julian Day Number = 2353414.5, Delta T = 10.10 sec
 Ecliptic obliquity = 23°28'29, Nutation = 0°00'16
 Ayanamsha: Fagan/Bradley = 20°59'23, Lahiri = 20°06'23Greg. Calendar

SWISS EPHEMERIS for the year 1731

JUNE 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	16 35 49	9II52'47	25V21	2☾ 9	0♃58	12II53	1♃38	2V17	3°R34	14II44	12°R47	8°R35	9☾48	14♁33	1♃37
S 2	16 39 45	10°50'13	8♃45	2°44	2° 8	13°34	1°44	2°22	3♃31	14°46	12♁46	8☾31	9°45	14°39	1°41
S 3	16 43 42	11°47'39	21°55	3°15	3°17	14°15	1°50	2°26	3°29	14°48	12°46	8°27	9°42	14°46	1°44
M 4	16 47 39	12°45'03	4II50	3°42	4°27	14°56	1°57	2°30	3°26	14°51	12°45	8°23	9°39	14°53	1°47
T 5	16 51 35	13°42'27	17°30	4° 4	5°37	15°37	2° 3	2°34	3°24	14°53	12°45	8°21	9°35	14°59	1°50
W 6	16 55 32	14°39'51	29°57	4°21	6°46	16°18	2°10	2°38	3°21	14°55	12°44	8°19	9°32	15° 6	1°53
T 7	16 59 28	15°37'13	12☾10	4°34	7°56	16°59	2°16	2°41	3°19	14°57	12°43	8°D19	9°29	15°13	1°56
F 8	17 3 25	16°34'34	24°13	4°43	9° 6	17°40	2°23	2°45	3°16	15° 0	12°43	8°20	9°26	15°19	1°59
S 9	17 7 21	17°31'55	6♁ 8	4°R47	10°16	18°21	2°30	2°49	3°14	15° 2	12°42	8°21	9°23	15°26	2° 2
S 10	17 11 18	18°29'14	17°58	4°46	11°26	19° 2	2°37	2°52	3°12	15° 4	12°42	8°23	9°20	15°33	2° 5
M11	17 15 14	19°26'33	29°48	4°41	12°36	19°43	2°44	2°56	3° 9	15° 6	12°42	8°24	9°16	15°39	2° 8
T 12	17 19 11	20°23'51	11♃42	4°31	13°46	20°23	2°52	2°59	3° 7	15° 9	12°41	8°25	9°13	15°46	2°11
W13	17 23 8	21°21'08	23°45	4°18	14°56	21° 4	2°59	3° 2	3° 5	15°11	12°41	8°R25	9°10	15°53	2°14
T 14	17 27 4	22°18'24	6♁ 1	4° 0	16° 6	21°45	3° 7	3° 5	3° 2	15°13	12°40	8°25	9° 7	15°59	2°17
F 15	17 31 1	23°15'39	18°35	3°39	17°17	22°25	3°15	3° 9	3° 0	15°15	12°40	8°24	9° 4	16° 6	2°20
S 16	17 34 57	24°12'53	1♃31	3°14	18°27	23° 6	3°22	3°12	2°58	15°17	12°40	8°22	9° 0	16°13	2°22
S 17	17 38 54	25°10'07	14°50	2°46	19°37	23°46	3°30	3°15	2°56	15°20	12°40	8°20	8°57	16°19	2°25
M18	17 42 50	26° 7'20	28°33	2°16	20°48	24°27	3°38	3°17	2°53	15°22	12°40	8°19	8°54	16°26	2°28
T 19	17 46 47	27° 4'33	12♃40	1°44	21°58	25° 7	3°47	3°20	2°51	15°24	12°39	8°17	8°51	16°33	2°30
W20	17 50 44	28° 1'45	27° 5	1°10	23° 9	25°48	3°55	3°23	2°49	15°26	12°39	8°17	8°48	16°40	2°33
T 21	17 54 40	28°58'57	11☾45	0°35	24°19	26°28	4° 3	3°25	2°47	15°28	12°39	8°D17	8°45	16°46	2°35
F 22	17 58 37	29°56'09	26°31	0° 0	25°30	27° 9	4°12	3°28	2°45	15°31	12°39	8°17	8°41	16°53	2°38
S 23	18 2 33	0☾53'21	11♁19	29II25	26°41	27°49	4°21	3°30	2°43	15°33	12°D39	8°17	8°38	17° 0	2°40
S24	18 6 30	1°50'32	26° 0	28°51	27°52	28°29	4°29	3°32	2°41	15°35	12°39	8°18	8°35	17° 6	2°43
M25	18 10 26	2°47'43	10♃29	28°18	29° 2	29° 9	4°38	3°35	2°39	15°37	12°39	8°19	8°32	17°13	2°45
T 26	18 14 23	3°44'55	24°43	27°47	0II13	29°49	4°47	3°37	2°37	15°39	12°39	8°19	8°29	17°20	2°47
W27	18 18 19	4°42'07	8V40	27°19	1°24	0☾30	4°56	3°39	2°35	15°41	12°39	8°R19	8°26	17°26	2°50
T 28	18 22 16	5°39'18	22°18	26°54	2°35	1°10	5° 5	3°40	2°33	15°44	12°39	8°19	8°22	17°33	2°52
F 29	18 26 13	6°36'30	5♃39	26°32	3°46	1°50	5°15	3°42	2°31	15°46	12°40	8°19	8°19	17°40	2°54
S 30	18 30 9	7☾33'43	18♃42	26II14	4II57	2☾30	5♃24	3V44	2♃29	15II48	12♁40	8☾18	8☾16	17♁46	2♃56

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21n58	14n28	5n 0	24n32	1n 4	9n52	2s 6	22n53	0n31	12n 1	1n11	1s 6	2s12	20s46	0n 7
S 2	22 6 18	42 4 31	24 20	0 53	10 16	2 6	22 59	0 31	11 58	1 11	1 5	2 12	20 46	0 7	21 13
S 3	22 14 21	56 3 48	24 7	0 40	10 39	2 6	23 4	0 32	11 56	1 10	1 3	2 12	20 46	0 7	21 13
M 4	22 22 23	59 2 54	23 53	0 27	11 3	2 6	23 10	0 32	11 54	1 10	1 2	2 12	20 45	0 7	21 13
T 5	22 29 24	45 1 52	23 38	0 14	11 26	2 5	23 15	0 33	11 51	1 10	1 0	2 13	20 45	0 7	21 13
W 6	22 35 24	44 0 46	23 23	0s 1	11 49	2 5	23 19	0 33	11 49	1 10	0 59	2 13	20 44	0 7	21 14
T 7	22 42 22	34 0s21	23 8	0 16	12 12	2 5	23 24	0 34	11 46	1 10	0 58	2 13	20 44	0 7	21 14
F 8	22 48 19	53 1 27	22 52	0 31	12 35	2 4	23 28	0 35	11 43	1 10	0 57	2 13	20 43	0 7	21 14
S 9	22 53 16	23 2 27	22 36	0 47	12 58	2 4	23 33	0 35	11 41	1 10	0 55	2 14	20 43	0 7	21 14
S 10	22 58 12	16 3 22	22 20	1 4	13 20	2 3	23 37	0 36	11 38	1 9	0 54	2 14	20 42	0 7	21 15
M11	23 3 7	42 4 7	22 3	1 20	13 42	2 2	23 40	0 36	11 35	1 9	0 53	2 14	20 42	0 7	21 15
T 12	23 8 2	50 4 43	21 47	1 37	14 4	2 2	23 44	0 37	11 33	1 9	0 52	2 14	20 42	0 7	21 15
W13	23 12 2s12	5 6 21	30 5	1 54	14 25	2 1	23 47	0 37	11 30	1 9	0 51	2 15	20 41	0 7	21 15
T 14	23 15 7	13 5 16	21 14	2 11	14 46	2 0	23 50	0 38	11 27	1 9	0 50	2 15	20 41	0 7	21 16
F 15	23 18 12	5 5 11	20 58	2 27	15 7	1 59	23 53	0 38	11 24	1 9	0 49	2 15	20 40	0 7	21 16
S 16	23 21 16	33 4 51	20 43	2 44	15 28	1 58	23 56	0 39	11 21	1 9	0 48	2 15	20 40	0 7	21 16
S 17	23 23 20	22 4 15	20 28	2 59	15 48	1 56	23 59	0 39	11 18	1 8	0 47	2 16	20 39	0 7	21 16
M18	23 25 23	10 3 23	20 13	3 14	16 8	1 55	24 1	0 40	11 15	1 8	0 46	2 16	20 39	0 7	21 17
T 19	23 27 24	37 2 17	19 59	3 28	16 27	1 54	24 3	0 40	11 12	1 8	0 45	2 16	20 39	0 7	21 17
W20	23 28 24	28 1 2	19 46	3 42	16 47	1 52	24 5	0 40	11 9	1 8	0 44	2 16	20 38	0 7	21 17
T 21	23 28 22	38 0n19	19 34	3 54	17 5	1 51	24 7	0 41	11 5	1 8	0 44	2 17	20 38	0 7	21 17
F 22	23 28 19	15 1 40	19 24	4 5	17 24	1 49	24 8	0 41	11 2	1 8	0 43	2 17	20 37	0 7	21 17
S 23	23 28 14	38 2 53	19 14	4 15	17 42	1 48	24 9	0 42	10 59	1 8	0 42	2 17	20 37	0 7	21 18
S 24	23 28 9	11 3 55	19 5	4 23	18 0	1 46	24 10	0 42	10 56	1 8	0 42	2 17	20 37	0 7	21 18
M25	23 27 3	19 4 41	18 58	4 30	18 17	1 44	24 11	0 43	10 52	1 7	0 41	2 18	20 36	0 7	21 18
T 26	23 25 2n37	5 9 18	53 4 35	18 34	1 42	24 12	0 43	10 49	1 7	0 40	2 18	20 36	0 7	21 18	
W27	23 23 8	18 5 17	18 48	4 39	18 50	1 40	24 12	0 44	10 45	1 7	0 40	2 18	20 35	0 7	21 19
T 28	23 21 13	27 5 8	18 45	4 41	19 6	1 39	24 12	0 44	10 42	1 7	0 39	2 19	20 35	0 7	21 19
F 29	23 19 17	51 4 42	18 44	4 42	19 21	1 37	24 12	0 45	10 38	1 7	0 39	2 19	20 35	0 7	21 19
S 30	23n16	21n17	4n 2	18n44	4s41	19n36	1s35	24n12	0n45	10n35	1n 7	0s38	2s19	20s34	0n 7

Julian Day Number = 2353445.5, Delta T = 10.10 sec
 Ecliptic obliquity = 23°28'28", Nutation = 0°00'16"
 Ayanamsha: Fagan/Bradley = 20°59'27", Lahiri = 20°06'27" Greg. Calendar

SWISS EPHEMERIS for the year 1731

JULY 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	18 34 6	8°30'55	111°31	26°R 1	6II 8	3510	51133	3°Y46	2°R27	15II50	12°A40	8°D18	8°313	17°Ω53	2°858
M 2	18 38 2	9°28'08	14° 6	25II51	7°20	3°50	5°43	3°47	2°A25	15°52	12°40	8°18	8°10	18° 0	3° 0
T 3	18 41 59	10°25'21	26°28	25°D47	8°31	4°30	5°53	3°48	2°23	15°54	12°41	8°19	8° 6	18° 6	3° 2
W 4	18 45 55	11°22'34	8°540	25°47	9°42	5°10	6° 2	3°50	2°22	15°56	12°41	8°R19	8° 3	18°13	3° 4
T 5	18 49 52	12°19'47	20°43	25°52	10°54	5°49	6°12	3°51	2°20	15°58	12°41	8°19	8° 0	18°20	3° 6
F 6	18 53 48	13°17'00	2°Ω39	26° 3	12° 5	6°29	6°22	3°52	2°18	16° 0	12°42	8°18	7°57	18°26	3° 8
S 7	18 57 45	14°14'13	14°30	26°19	13°16	7° 9	6°32	3°53	2°17	16° 2	12°42	8°18	7°54	18°33	3°10
S 8	19 1 42	15°11'27	26°20	26°40	14°28	7°49	6°42	3°54	2°15	16° 4	12°43	8°17	7°51	18°40	3°12
M 9	19 5 38	16° 8'40	8°110	27° 6	15°39	8°28	6°53	3°55	2°13	16° 6	12°43	8°16	7°47	18°46	3°13
T 10	19 9 35	17° 5'53	20° 4	27°37	16°51	9° 8	7° 3	3°55	2°12	16° 8	12°44	8°15	7°44	18°53	3°15
W 11	19 13 31	18° 3'07	2°A 6	28°14	18° 3	9°48	7°13	3°56	2°10	16°10	12°44	8°14	7°41	19° 0	3°17
T 12	19 17 28	19° 0'20	14°21	28°56	19°14	10°27	7°24	3°56	2° 9	16°12	12°45	8°D14	7°38	19° 6	3°18
F 13	19 21 24	19°57'34	26°52	29°43	20°26	11° 7	7°34	3°57	2° 7	16°14	12°46	8°14	7°35	19°13	3°20
S 14	19 25 21	20°54'48	9°1144	0°535	21°38	11°46	7°45	3°57	2° 6	16°16	12°46	8°14	7°32	19°20	3°21
S 15	19 29 17	21°52'02	22°59	1°32	22°49	12°26	7°55	3°57	2° 5	16°18	12°47	8°15	7°28	19°26	3°22
M 16	19 33 14	22°49'16	6°A41	2°34	24° 1	13° 5	8° 6	3°R57	2° 4	16°20	12°48	8°16	7°25	19°33	3°24
T 17	19 37 11	23°46'30	20°49	3°41	25°13	13°45	8°17	3°57	2° 2	16°22	12°49	8°17	7°22	19°40	3°25
W 18	19 41 7	24°43'45	5°322	4°53	26°25	14°24	8°28	3°57	2° 1	16°24	12°49	8°R18	7°19	19°47	3°26
T 19	19 45 4	25°41'01	20°14	6°10	27°37	15° 4	8°39	3°57	2° 0	16°26	12°50	8°17	7°16	19°53	3°27
F 20	19 49 0	26°38'16	5°A19	7°31	28°49	15°43	8°50	3°57	1°59	16°27	12°51	8°16	7°12	20° 0	3°28
S 21	19 52 57	27°35'33	20°27	8°57	0°5 1	16°22	9° 1	3°56	1°58	16°29	12°52	8°14	7° 9	20° 7	3°30
S 22	19 56 53	28°32'50	5°A29	10°27	1°13	17° 1	9°12	3°56	1°57	16°31	12°53	8°12	7° 6	20°13	3°31
M 23	20 0 50	29°30'08	20°18	12° 2	2°26	17°41	9°24	3°55	1°56	16°33	12°54	8° 9	7° 3	20°20	3°31
T 24	20 4 46	0°Ω27'27	4°Y45	13°40	3°38	18°20	9°35	3°54	1°55	16°34	12°55	8° 7	7° 0	20°27	3°32
W 25	20 8 43	1°24'47	18°49	15°23	4°50	18°59	9°46	3°53	1°54	16°36	12°56	8° 6	6°57	20°33	3°33
T 26	20 12 40	2°22'08	2°B28	17° 8	6° 2	19°38	9°58	3°52	1°53	16°38	12°57	8°D 5	6°53	20°40	3°34
F 27	20 16 36	3°19'30	15°42	18°58	7°15	20°17	10° 9	3°51	1°52	16°39	12°58	8° 6	6°50	20°47	3°35
S 28	20 20 33	4°16'53	28°36	20°50	8°27	20°56	10°21	3°50	1°52	16°41	12°59	8° 7	6°47	20°53	3°35
S 29	20 24 29	5°14'18	11°110	22°45	9°40	21°35	10°32	3°49	1°51	16°43	13° 0	8° 8	6°44	21° 0	3°36
M 30	20 28 26	6°11'44	23°31	24°42	10°52	22°14	10°44	3°48	1°50	16°44	13° 2	8°10	6°41	21° 7	3°37
T 31	20 32 22	7°Ω 9'10	5°539	26°541	12°5 5	22°53	10°56	3°Y46	1°A50	16°II46	13°A 3	8°R11	6°38	21°Ω13	3°37

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n12	23n36	3n10	18n46	4s39	19n51	1s32	24n12	0n46	10n31	1n 7	0s38	2s19	20s34	0n 7
M 2	23 8 24 41	2 10 18 49	4 35 20 5	1 30 24 11	0 46 10 28	1 7 0 38	2 20 20 34	0 7 21 20	1 24 10 49	17 11 23 13	23 13 12 19	12 14 0 19			
T 3	23 4 24 31	1 5 18 54	4 30 20 18	1 28 24 10	0 46 10 24	1 7 0 37	2 20 20 33	0 7 21 20	1 24 10 48	17 11 23 13	23 14 12 16	12 15 0 19			
W 4	22 59 23 9	0s 2 19 0	4 24 20 31	1 26 24 9	0 47 10 20	1 6 0 37	2 20 20 33	0 7 21 20	1 24 10 47	17 10 23 13	23 14 12 14	12 16 0 19			
T 5	22 54 20 45	1 8 19 7	4 17 20 44	1 24 24 8	0 47 10 17	1 6 0 37	2 21 20 33	0 7 21 20	1 24 10 47	17 10 23 13	23 14 12 11	12 16 0 19			
F 6	22 49 17 28	2 11 19 16	4 9 20 56	1 21 24 7	0 48 10 13	1 6 0 37	2 21 20 32	0 7 21 20	1 24 10 46	17 9 23 13	23 14 12 8	12 17 0 19			
S 7	22 43 13 31	3 8 19 25	4 0 21 7	1 19 24 5	0 48 10 9	1 6 0 37	2 21 20 32	0 7 21 21	1 24 10 45	17 8 23 13	23 14 12 6	12 17 0 19			
S 8	22 36 9 3	3 56 19 36	3 50 21 18	1 17 24 3	0 49 10 5	1 6 0 37	2 21 20 32	0 7 21 21	1 24 10 45	17 8 23 13	23 15 12 3	12 18 0 19			
M 9	22 30 4 17	4 34 19 47	3 39 21 28	1 14 24 1	0 49 10 1	1 6 0 37	2 22 20 31	0 7 21 21	1 24 10 44	17 7 23 13	23 15 12 0	12 18 0 19			
T 10	22 23 0s40	5 1 19 59	3 28 21 38	1 12 23 59	0 50 9 57	1 6 0 37	2 22 20 31	0 7 21 21	1 24 10 43	17 7 23 13	23 15 11 58	12 19 0 19			
W 11	22 15 5 39	5 15 20 12	3 16 21 47	1 9 23 57	0 50 9 53	1 6 0 37	2 22 20 31	0 7 21 21	1 24 10 42	17 6 23 13	23 15 11 55	12 19 0 20			
T 12	22 7 10 30	5 15 20 25	3 3 21 56	1 7 23 54	0 50 9 49	1 6 0 37	2 22 20 31	0 7 21 22	1 24 10 42	17 6 23 13	23 15 11 52	12 19 0 20			
F 13	21 59 15 2	5 0 20 38	2 50 22 4	1 4 23 51	0 51 9 45	1 6 0 37	2 23 20 30	0 7 21 22	1 24 10 41	17 5 23 13	23 15 11 50	12 20 0 20			
S 14	21 51 19 1	4 30 20 51	2 37 22 11	1 1 23 48	0 51 9 41	1 5 0 37	2 23 20 30	0 7 21 22	1 24 10 40	17 5 23 13	23 16 11 47	12 20 0 20			
S 15	21 42 22 11	3 45 21 5	2 23 22 18	0 59 23 45	0 52 9 37	1 5 0 37	2 23 20 30	0 7 21 22	1 24 10 39	17 4 23 13	23 16 11 44	12 21 0 20			
M 16	21 32 24 11	2 46 21 17	2 9 22 24	0 56 23 42	0 52 9 33	1 5 0 37	2 24 20 30	0 7 21 22	1 24 10 39	17 3 23 13	23 16 11 42	12 21 0 20			
T 17	21 23 24 44	1 35 21 30	1 55 22 30	0 54 23 38	0 52 9 29	1 5 0 38	2 24 20 29	0 7 21 22	1 24 10 38	17 3 23 13	23 16 11 39	12 21 0 20			
W 18	21 13 23 38	0 16 21 42	1 41 22 35	0 51 23 34	0 53 9 25	1 5 0 38	2 24 20 29	0 7 21 23	1 24 10 37	17 2 23 13	23 16 11 36	12 22 0 20			
T 19	21 2 20 52	1n 6 21 53	1 27 22 39	0 48 23 30	0 53 9 21	1 5 0 38	2 24 20 29	0 7 21 23	1 25 10 36	17 2 23 13	23 17 11 33	12 22 0 20			
F 20	20 52 16 39	2 24 22 3	1 13 22 43	0 45 23 26	0 54 9 16	1 5 0 39	2 25 20 29	0 7 21 23	1 25 10 35	17 1 23 13	23 17 11 31	12 22 0 20			
S 21	20 40 11 20	3 32 22 11	0 59 22 46	0 43 23 22	0 54 9 12	1 5 0 39	2 25 20 28	0 7 21 23	1 25 10 35	17 1 23 13	23 17 11 28	12 23 0 21			
S 22	20 29 5 24	4 25 22 19	0 45 22 48	0 40 23 17	0 54 9 8	1 5 0 40	2 25 20 28	0 7 21 23	1 25 10 34	17 0 23 13	23 17 11 25	12 23 0 21			
M 23	20 17 0n45	5 0 22 24	0 32 22 50	0 37 23 13	0 55 9 4	1 5 0 40	2 26 20 28	0 7 21 23	1 25 10 33	17 0 23 13	23 17 11 23	12 23 0 21			
T 24	20 5 6 42	5 14 22 28	0 18 22 51	0 34 23 8	0 55 8 59	1 5 0 41	2 26 20 28	0 7 21 24	1 25 10 32	16 59 23	14 23 17 11 20	12 23 0 21			
W 25	19 52 12 9	5 9 22 30	0 6 22 52	0 32 23 3	0 56 8 55	1 5 0 41	2 26 20 28	0 7 21 24	1 25 10 31	16 59 23	14 23 18 11 17	12 23 0 21			
T 26	19 40 16 50	4 47 22 29	0n 7 22 51	0 29 22 58	0 56 8 51	1 5 0 42	2 26 20 28	0 7 21 24	1 25 10 30	16 58 23	14 23 18 11 15	12 24 0 21			
F 27	19 26 20 33	4 10 22 26	0 19 22 50	0 26 22 52	0 56 8 46	1 5 0 42	2 27 20 27	0 7 21 24	1 25 10 29	16 58 23	14 23 18 11 12	12 24 0 21			
S 28	19 13 23 8	3 21 22 21	0 30 22 49	0 23 22 47	0 57 8 42	1 4 0 43	2 27 20 27	0 7 21 24	1 25 10 28	16 57 23	14 23 18 11 9	12 24 0 21			
S 29	18 59 24 31	2 23 22 13	0 40 22 47	0 21 22 41	0 57 8 37	1 4 0 44	2 27 20 27	0 7 21 24	1 25 10 28	16 57 23	13 23 18 11 6	12 24 0 21			
M 30	18 45 24 39	1 20 22 2	0 50 22 44	0 18 22 35	0 58 8 33	1 4 0 45	2 27 20 27	0 7 21 24	1 25 10 27	16 56 23	13 23 18 11 4	12 24 0 22			
T 31	18n31	23n35	0n14	21n49	0n59	22n41	0s15	22n29	0n58	8n28	1n 4	0s45	2s28	20s27	0n 7

Julian Day Number = 2353475.5, Delta T = 10.10 sec
 Ecliptic obliquity = 23°28'28, Nutation = 0°00'17
 Ayanamsha: Fagan/Bradley = 20°59'31, Lahiri = 20°06'31 Greg. Calendar

SWISS EPHEMERIS for the year 1731

AUGUST 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁
W 1	20 36 19	8♁ 6'38	17♁40	28♁42	13♁17	23♁32	11♁ 8	3°R45	1°R49	16♁48	13♁ 4	8°R10	6♁34	21♁20	3♁37
T 2	20 40 15	9° 4'07	29°34	0♁44	14°30	24°11	11°19	3°Y43	1°Y49	16°49	13° 5	8° 8	6°31	21°27	3°38
F 3	20 44 12	10° 1'37	11♁25	2°48	15°43	24°50	11°31	3°41	1°48	16°51	13° 7	8° 5	6°28	21°33	3°38
S 4	20 48 9	10°59'08	23°14	4°51	16°56	25°29	11°43	3°39	1°48	16°52	13° 8	8° 0	6°25	21°40	3°38
S 5	20 52 5	11°56'39	5♁ 4	6°55	18° 8	26° 8	11°55	3°38	1°48	16°54	13° 9	7°54	6°22	21°47	3°39
M 6	20 56 2	12°54'12	16°57	9° 0	19°21	26°47	12° 7	3°36	1°47	16°55	13°11	7°48	6°18	21°53	3°39
T 7	20 59 58	13°51'46	28°54	11° 3	20°34	27°25	12°19	3°33	1°47	16°56	13°12	7°42	6°15	22° 0	3°39
W 8	21 3 55	14°49'21	10♁58	13° 7	21°47	28° 4	12°32	3°31	1°47	16°58	13°14	7°37	6°12	22° 7	3°R39
T 9	21 7 51	15°46'56	23°14	15°10	23° 0	28°43	12°44	3°29	1°47	16°59	13°15	7°33	6° 9	22°14	3°39
F 10	21 11 48	16°44'33	5♁43	17°12	24°13	29°22	12°56	3°27	1°47	17° 0	13°17	7°31	6° 6	22°20	3°39
S 11	21 15 44	17°42'11	18°30	19°13	25°26	0♁ 0	13° 8	3°24	1°D47	17° 2	13°18	7°D30	6° 3	22°27	3°39
S 12	21 19 41	18°39'49	1♁39	21°13	26°39	0°39	13°21	3°22	1°47	17° 3	13°20	7°31	5°59	22°34	3°38
M13	21 23 38	19°37'29	15°13	23°11	27°52	1°17	13°33	3°19	1°47	17° 4	13°21	7°32	5°56	22°40	3°38
T 14	21 27 34	20°35'10	29°13	25° 9	29° 5	1°56	13°45	3°16	1°47	17° 5	13°23	7°33	5°53	22°47	3°38
W15	21 31 31	21°32'52	13♁40	27° 5	0♁19	2°35	13°58	3°13	1°47	17° 7	13°24	7°R33	5°50	22°54	3°37
T 16	21 35 27	22°30'35	28°30	29° 0	1°32	3°13	14°10	3°10	1°47	17° 8	13°26	7°32	5°47	23° 0	3°37
F 17	21 39 24	23°28'19	13♁38	0♁54	2°45	3°52	14°23	3° 8	1°48	17° 9	13°28	7°28	5°44	23° 7	3°37
S 18	21 43 20	24°26'04	28°55	2°46	3°59	4°30	14°35	3° 4	1°48	17°10	13°30	7°22	5°40	23°14	3°36
S 19	21 47 17	25°23'51	14♁10	4°37	5°12	5° 8	14°48	3° 1	1°48	17°11	13°31	7°16	5°37	23°20	3°35
M20	21 51 13	26°21'39	29°13	6°26	6°25	5°47	15° 0	2°58	1°49	17°12	13°33	7° 8	5°34	23°27	3°35
T 21	21 55 10	27°19'29	13°Y54	8°15	7°39	6°25	15°13	2°55	1°49	17°13	13°35	7° 2	5°31	23°34	3°34
W22	21 59 7	28°17'21	28° 8	10° 1	8°52	7° 4	15°26	2°51	1°50	17°14	13°37	6°56	5°28	23°40	3°33
T 23	22 3 3	29°15'15	11♁53	11°47	10° 6	7°42	15°38	2°48	1°51	17°15	13°38	6°53	5°24	23°47	3°32
F 24	22 7 0	0♁13'10	25°10	13°31	11°20	8°20	15°51	2°45	1°51	17°16	13°40	6°D51	5°21	23°54	3°32
S 25	22 10 56	1°11'08	8♁ 1	15°14	12°33	8°58	16° 4	2°41	1°52	17°17	13°42	6°51	5°18	24° 1	3°31
S 26	22 14 53	2° 9'07	20°31	16°56	13°47	9°37	16°16	2°37	1°53	17°18	13°44	6°52	5°15	24° 7	3°30
M27	22 18 49	3° 7'08	2♁44	18°36	15° 1	10°15	16°29	2°34	1°53	17°19	13°46	6°R53	5°12	24°14	3°29
T 28	22 22 46	4° 5'11	14°45	20°15	16°15	10°53	16°42	2°30	1°54	17°19	13°48	6°53	5° 9	24°21	3°27
W29	22 26 42	5° 3'16	26°39	21°53	17°28	11°31	16°55	2°26	1°55	17°20	13°50	6°51	5° 5	24°27	3°26
T 30	22 30 39	6° 1'22	8♁29	23°29	18°42	12° 9	17° 8	2°22	1°56	17°21	13°52	6°46	5° 2	24°34	3°25
F 31	22 34 36	6♁59'31	20♁17	25♁ 4	19♁56	12♁48	17♁21	2°Y18	1°Y57	17♁22	13♁54	6°Z39	4°Z59	24♁41	3♁24

Day	☉	☽	♀	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	18n16	21n27	0s52	21n33	1n 8	22n36	0s12	22n23	0n58	8n24	1n 4	0s46	2s28	20s27	0n 7	21n25	1s25	10n25	16n55	23s13	23s19	10n58	12n24	0s22
T 2	18 1 18 24	1 54 21 15	1 15 22 32	0 9 22 16	0 59 8 19	1 4 0 47	2 28 20 27	0 7 21 25	1 25 10 24	16 55 23 13	23 19 10 56	12 24 0 22												
F 3	17 46 14 38	2 52 20 53	1 22 22 26	0 7 22 10	0 59 8 14	1 4 0 48	2 28 20 27	0 7 21 25	1 25 10 23	16 54 23 14	23 19 10 53	12 24 0 22												
S 4	17 30 10 18	3 41 20 30	1 28 22 20	0 4 22 3	0 59 8 10	1 4 0 49	2 29 20 27	0 7 21 25	1 25 10 22	16 54 23 14	23 19 10 50	12 24 0 22												
S 5	17 14 5 36	4 22 20 4	1 33 22 13	0 1 21 56	1 0 8 5	1 4 0 50	2 29 20 27	0 7 21 25	1 25 10 21	16 53 23 14	23 19 10 47	12 24 0 22												
M 6	16 58 0 42	4 51 19 35	1 37 22 6	0n 1 21 49	1 0 8 1	1 4 0 51	2 29 20 27	0 7 21 25	1 25 10 20	16 53 23 15	23 19 10 45	12 24 0 22												
T 7	16 41 4s15	5 7 19 5	1 40 21 58	0 4 21 42	1 1 7 56	1 4 0 52	2 29 20 27	0 7 21 25	1 25 10 19	16 52 23 15	23 20 10 42	12 24 0 22												
W 8	16 25 9 6	5 10 18 33	1 43 21 49	0 7 21 34	1 1 7 51	1 4 0 53	2 30 20 27	0 6 21 25	1 25 10 18	16 52 23 15	23 20 10 39	12 24 0 22												
T 9	16 8 13 40	4 59 17 59	1 44 21 40	0 9 21 27	1 1 7 47	1 4 0 54	2 30 20 27	0 6 21 25	1 25 10 17	16 51 23 16	23 20 10 37	12 24 0 23												
F 10	15 50 17 45	4 34 17 23	1 46 21 30	0 12 21 19	1 2 7 42	1 4 0 56	2 30 20 27	0 6 21 26	1 25 10 16	16 51 23 16	23 20 10 34	12 24 0 23												
S 11	15 33 21 7	3 55 16 46	1 46 21 20	0 15 21 11	1 2 7 37	1 4 0 57	2 30 20 27	0 6 21 26	1 25 10 15	16 50 23 16	23 20 10 31	12 24 0 23												
S 12	15 15 23 30	3 2 16 7	1 46 21 8	0 17 21 3	1 2 7 32	1 4 0 58	2 31 20 27	0 6 21 26	1 25 10 14	16 50 23 16	23 20 10 28	12 23 0 23												
M13	14 57 24 37	1 58 15 27	1 45 20 57	0 20 20 55	1 3 7 27	1 4 0 59	2 31 20 27	0 6 21 26	1 25 10 13	16 50 23 16	23 20 10 26	12 23 0 23												
T 14	14 39 24 13	0 45 14 47	1 43 20 44	0 22 20 47	1 3 7 23	1 4 1 1	2 31 20 27	0 6 21 26	1 25 10 12	16 49 23 16	23 21 10 23	12 23 0 23												
W15	14 21 22 13	0n33 14 5	1 41 20 31	0 25 20 38	1 3 7 18	1 4 1 2	2 31 20 27	0 6 21 26	1 25 10 11	16 49 23 16	23 21 10 20	12 23 0 23												
T 16	14 2 18 41	1 51 13 23	1 38 20 18	0 27 20 30	1 4 7 13	1 4 1 3	2 32 20 27	0 6 21 26	1 25 10 10	16 48 23 16	23 21 10 18	12 22 0 23												
F 17	13 43 13 51	3 2 12 39	1 35 20 3	0 30 20 21	1 4 7 8	1 4 1 5	2 32 20 27	0 6 21 26	1 25 10 9	16 48 23 16	23 21 10 15	12 22 0 23												
S 18	13 24 8 6	4 1 11 56	1 32 19 49	0 32 20 12	1 4 7 3	1 4 1 6	2 32 20 27	0 6 21 26	1 25 10 8	16 47 23 16	23 21 10 12	12 22 0 24												
S 19	13 4 1 53	4 43 11 12	1 28 19 33	0 35 20 3	1 5 6 58	1 4 1 7	2 32 20 27	0 6 21 26	1 25 10 7	16 47 23 17	23 21 10 9	12 22 0 24												
M20	12 45 4n20	5 4 10 27	1 23 19 17	0 37 19 54	1 5 6 54	1 4 1 9	2 32 20 27	0 6 21 26	1 26 10 6	16 47 23 17	23 21 10 7	12 21 0 24												
T 21	12 25 10 10	5 5 9 42	1 18 19 1	0 39 19 45	1 5 6 49	1 4 1 10	2 33 20 27	0 6 21 26	1 26 10 5	16 46 23 17	23 22 10 4	12 21 0 24												
W22	12 5 15 17	4 47 8 57	1 13 18 44	0 41 19 36	1 6 6 44	1 4 1 12	2 33 20 27	0 6 21 26	1 26 10 4	16 46 23 18	23 22 10 1	12 21 0 24												
T 23	11 45 19 25	4 12 8 12	1 8 18 26	0 44 19 26	1 6 6 39	1 4 1 13	2 33 20 28	0 6 21 27	1 26 10 3	16 45 23 18	23 22 9 58	12 20 0 24												
F 24	11 25 22 24	3 25 7 27	1 2 18 8	0 46 19 16	1 6 6 34	1 3 1 15	2 33 20 28	0 6 21 27	1 26 10 2	16 45 23 18	23 22 9 56	12 20 0 24												
S 25	11 4 24 7	2 29 6 41	0 56 17 50	0 48 19 7	1 7 6 29	1 3 1 17	2 33 20 28	0 6 21 27	1 26 10 1	16 45 23 18	23 22 9 53	12 19 0 24												
S 26	10 43 24 35	1 27 5 56	0 49 17 31	0 50 18 57	1 7 6 24	1 3 1 18	2 34 20 28	0 6 21 27	1 26 10 0	16 44 23 18	23 22 9 50	12 19 0 24												
M27	10 23 23 49	0 22 5 10	0 43 17 11	0 52 18 47	1 7 6 19	1 3 1 20	2 34 20 28	0 6 21 27	1 26 9 59	16 44 23 18	23 22 9 48	12 18 0 25												
T 28	10 2 21 58	0s42 4 25	0 36 16 51	0 54 18 37	1 8 6 14	1 3 1 22	2 34 20 28	0 6 21 27	1 26 9 58	16 44 23 18	23 22 9 45	12 18 0 25												
W29	9 40 19 9	1 44 3 40	0 29 16 31	0 56 18 26	1 8 6 9	1 3 1 23	2 34 20 29	0 6 21 27	1 26 9 57	16 43 23 18	23 23 9 42	12 17 0 25												
T 30	9 19 15 35	2 41 2 56	0 22 16 9	0 58 18 16	1 8 6 4	1 3 1 25	2 34 20 29	0 6 21 27	1 26 9 56	16 43 23 18	23 23 9 39	12 17 0 25												
F 31	8n57	11n25	3s30	2n11	0n15	15n48	1n 0	18n 6	1n 9	5n59	1n 3	1s27	2s34	20s29	0n 6	21n27	1s26	9n55	16n43	23s18	23s23	9n37	12n16	0s25

Julian Day Number = 2353506.5, Delta T = 10.10 sec
 Ecliptic obliquity = 23°28'28", Nutation = 0°00'18"
 Ayanamsha: Fagan/Bradley = 20°59'35", Lahiri = 20°06'35"Greg. Calendar

SWISS EPHEMERIS for the year 1731

SEPTEMBER 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 38 32	7 ^h 57 ^m 41 ^s	2 ^h 08 ^m	26 ^h 38 ^m	21 ^h 01 ^m 10 ^s	13 ^h 02 ^m 26 ^s	17 ^h 33 ^m	2°R14	1 ^h 58 ^m	17 ^h 22 ^m	13 ^h 56 ^m	6°R30	4 ^h 56 ^m	24 ^h 04 ^m 47 ^s	3°R23	
S 2	22 42 29	8°55'53	14° 1	28°11	22°24	14° 4	17°46	2 ^h 10 ^m	1°59	17°23	13°58	6 ^h 19 ^m	4°53	24°54	3 ^h 21 ^m	
M 3	22 46 25	9°54'06	26° 0	29°43	23°38	14°42	17°59	2° 6	2° 0	17°24	14° 0	6° 7	4°49	25° 1	3°20	
T 4	22 50 22	10°52'22	8 ^h 4	1 ^h 13	24°52	15°20	18°12	2° 2	2° 2	17°24	14° 2	5°55	4°46	25° 7	3°18	
W 5	22 54 18	11°50'38	20°16	2°42	26° 6	15°58	18°25	1°58	2° 3	17°25	14° 4	5°44	4°43	25°14	3°17	
T 6	22 58 15	12°48'57	2 ^h 38 ^m	4°10	27°20	16°36	18°38	1°53	2° 4	17°25	14° 6	5°36	4°40	25°21	3°15	
F 7	23 2 11	13°47'17	15°11	5°37	28°35	17°14	18°51	1°49	2° 6	17°26	14° 8	5°30	4°37	25°28	3°13	
S 8	23 6 8	14°45'39	27°59	7° 2	29°49	17°52	19° 4	1°45	2° 7	17°26	14°10	5°26	4°34	25°34	3°12	
S 9	23 10 5	15°44'03	11 ^h 5	8°27	1 ^h 3	18°30	19°17	1°40	2° 8	17°27	14°12	5°D25	4°30	25°41	3°10	
M10	23 14 1	16°42'28	24°30	9°49	2°17	19° 7	19°30	1°36	2°10	17°27	14°15	5°25	4°27	25°48	3° 8	
T 11	23 17 58	17°40'54	8 ^h 20 ^m	11°11	3°31	19°45	19°43	1°31	2°11	17°27	14°17	5°R25	4°24	25°54	3° 6	
W12	23 21 54	18°39'23	22°33	12°31	4°46	20°23	19°56	1°27	2°13	17°28	14°19	5°24	4°21	26° 1	3° 5	
T 13	23 25 51	19°37'52	7 ^h 30 ^m	13°50	6° 0	21° 1	20° 9	1°22	2°15	17°28	14°21	5°21	4°18	26° 8	3° 3	
F 14	23 29 47	20°36'24	22° 6	15° 7	7°14	21°39	20°22	1°18	2°16	17°28	14°23	5°16	4°15	26°14	3° 1	
S 15	23 33 44	21°34'57	7 ^h 15 ^m	16°23	8°29	22°16	20°35	1°13	2°18	17°28	14°26	5° 7	4°11	26°21	2°59	
S 16	23 37 40	22°33'32	22°27	17°37	9°43	22°54	20°48	1° 9	2°20	17°29	14°28	4°57	4° 8	26°28	2°57	
M17	23 41 37	23°32'09	7 ^h 31 ^m	18°49	10°58	23°32	21° 1	1° 4	2°22	17°29	14°30	4°46	4° 5	26°34	2°55	
T 18	23 45 34	24°30'48	22°17	20° 0	12°12	24° 9	21°14	0°59	2°24	17°29	14°32	4°36	4° 2	26°41	2°52	
W19	23 49 30	25°29'29	6 ^h 33 ^m	21° 9	13°27	24°47	21°27	0°55	2°26	17°29	14°35	4°27	3°59	26°48	2°50	
T 20	23 53 27	26°28'12	20°29	22°16	14°41	25°25	21°40	0°50	2°27	17°29	14°37	4°20	3°55	26°55	2°48	
F 21	23 57 23	27°26'58	3 ^h 11 ^m	23°21	15°56	26° 2	21°53	0°45	2°29	17°R29	14°39	4°16	3°52	27° 1	2°46	
S 22	0 1 20	28°25'46	16°46	24°23	17°11	26°40	22° 6	0°41	2°32	17°29	14°41	4°15	3°49	27° 8	2°43	
S 23	0 5 16	29°24'36	29°17	25°23	18°25	27°17	22°19	0°36	2°34	17°29	14°44	4°14	3°46	27°15	2°41	
M24	0 9 13	0 ^h 23'29	11 ^h 29 ^m	26°21	19°40	27°55	22°31	0°31	2°36	17°29	14°46	4°14	3°43	27°21	2°39	
T 25	0 13 9	1°22'23	23°29	27°16	20°55	28°32	22°44	0°27	2°38	17°29	14°48	4°13	3°40	27°28	2°36	
W26	0 17 6	2°21'20	5 ^h 21 ^m	28° 7	22° 9	29°10	22°57	0°22	2°40	17°29	14°51	4°10	3°36	27°35	2°34	
T 27	0 21 3	3°20'20	17°10	28°56	23°24	29°47	23°10	0°17	2°42	17°28	14°53	4° 5	3°33	27°41	2°31	
F 28	0 24 59	4°19'21	28°59	29°40	24°39	0 ^h 25 ^m	23°23	0°13	2°45	17°28	14°55	3°56	3°30	27°48	2°29	
S 29	0 28 56	5°18'25	10 ^h 53 ^m	0 ^h 21 ^m	25°54	1° 2	23°36	0° 8	2°47	17°28	14°58	3°45	3°27	27°55	2°26	
S 30	0 32 52	6 ^h 17'30	22 ^h 52 ^m	0 ^h 15 ^m	27 ^h 9 ^m	1 ^h 39 ^m	23 ^h 49 ^m	0 ^h 3 ^m	2 ^h 49 ^m	17 ^h 28 ^m	15 ^h 0 ^m	3 ^h 32 ^m	3 ^h 24 ^m	28 ^h 0 ^m 1 ^s	2 ^h 24 ^m	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
S 1	8n36	6n50	4s11	1n27	0n 7	15n26	1n 1	17n55	1n 9	5n54	1n 3	1s28	2s35	20s29	0n 6	21n27	1s26	9n54	16n42	23s19	23s23	9n34	12n16	0s25
S 2	8 14	1 59	4 40	0 43	0s 1	15 4	1 3	17 44	1 9	5 49	1 3	1 30	2 35	20 29	0 6	21 27	1 26	9 53	16 42	23 19	23 23	9 31	12 15	0 25
M 3	7 52	2s58	4 58	0s 1	0 8	14 41	1 5	17 33	1 9	5 44	1 3	1 32	2 35	20 30	0 6	21 27	1 26	9 52	16 42	23 20	23 23	9 28	12 15	0 25
T 4	7 30	7 50	5 2	0 44	0 16	14 18	1 6	17 22	1 10	5 39	1 3	1 34	2 35	20 30	0 6	21 27	1 26	9 51	16 42	23 21	23 23	9 26	12 14	0 25
W 5	7 8	12 27	4 53	1 27	0 24	13 54	1 8	17 11	1 10	5 34	1 4	1 35	2 35	20 30	0 6	21 27	1 26	9 50	16 41	23 21	23 23	9 23	12 14	0 26
T 6	6 46	16 38	4 30	2 9	0 32	13 30	1 10	17 0	1 10	5 29	1 4	1 37	2 35	20 30	0 6	21 27	1 26	9 49	16 41	23 21	23 24	9 20	12 13	0 26
F 7	6 23	20 8	3 54	2 51	0 40	13 6	1 11	16 49	1 11	5 24	1 4	1 39	2 35	20 31	0 6	21 27	1 26	9 47	16 41	23 22	23 24	9 17	12 12	0 26
S 8	6 1	22 45	3 5	3 32	0 48	12 41	1 12	16 38	1 11	5 18	1 4	1 41	2 36	20 31	0 6	21 27	1 26	9 46	16 40	23 22	23 24	9 15	12 12	0 26
S 9	5 38	24 12	2 5	4 13	0 57	12 16	1 14	16 26	1 11	5 13	1 4	1 43	2 36	20 31	0 6	21 27	1 26	9 45	16 40	23 22	23 24	9 12	12 11	0 26
M10	5 15	24 19	0 58	4 53	1 5	11 50	1 15	16 15	1 12	5 8	1 4	1 45	2 36	20 32	0 6	21 27	1 26	9 44	16 40	23 22	23 24	9 9	12 10	0 26
T 11	4 53	22 57	0n15	5 33	1 13	11 25	1 16	16 3	1 12	5 3	1 4	1 47	2 36	20 32	0 6	21 27	1 26	9 43	16 40	23 22	23 24	9 6	12 9	0 26
W12	4 30	20 7	1 30	6 12	1 21	10 59	1 17	15 51	1 12	4 58	1 4	1 48	2 36	20 32	0 6	21 27	1 26	9 42	16 39	23 22	23 24	9 4	12 9	0 26
T 13	4 7	15 56	2 40	6 50	1 29	10 32	1 18	15 39	1 12	4 53	1 4	1 50	2 36	20 33	0 6	21 27	1 27	9 41	16 39	23 22	23 24	9 1	12 8	0 26
F 14	3 44	10 41	3 40	7 27	1 37	10 6	1 19	15 28	1 13	4 48	1 4	1 52	2 36	20 33	0 6	21 27	1 27	9 40	16 39	23 22	23 24	8 58	12 7	0 27
S 15	3 21	4 44	4 27	8 4	1 45	9 39	1 20	15 15	1 13	4 43	1 4	1 54	2 36	20 33	0 6	21 27	1 27	9 39	16 39	23 23	23 24	8 55	12 6	0 27
S 16	2 57	1n30	4 54	8 40	1 53	9 11	1 21	15 3	1 13	4 38	1 4	1 56	2 36	20 34	0 6	21 27	1 27	9 38	16 39	23 23	23 25	8 53	12 6	0 27
M17	2 34	7 35	5 1	9 15	2 1	8 44	1 22	14 51	1 14	4 33	1 4	1 58	2 36	20 34	0 6	21 27	1 27	9 37	16 38	23 23	23 25	8 50	12 5	0 27
T 18	2 11	13 7	4 47	9 49	2 8	8 16	1 23	14 39	1 14	4 28	1 4	2 0	2 36	20 34	0 6	21 27	1 27	9 36	16 38	23 24	23 25	8 47	12 4	0 27
W19	1 48	17 46	4 15	10 22	2 16	7 48	1 23	14 27	1 14	4 23	1 4	2 2	2 37	20 35	0 6	21 27	1 27	9 35	16 38	23 24	23 25	8 44	12 3	0 27
T 20	1 24	21 16	3 29	10 54	2 23	7 20	1 24	14 14	1 14	4 17	1 4	2 4	2 37	20 35	0 6	21 27	1 27	9 34	16 38	23 24	23 25	8 42	12 2	0 27
F 21	1 1	23 28	2 33	11 25	2 31	6 51	1 25	14 2	1 15	4 12	1 4	2 6	2 37	20 36	0 6	21 27	1 27	9 33	16 38	23 24	23 25	8 39	12 1	0 27
S 22	0 38	24 20	1 31	11 54	2 38	6 23	1 25	13 49	1 15	4 7	1 4	2 7	2 37	20 36	0 6	21 27	1 27	9 32	16 38	23 24	23 25	8 36	12 0	0 27
S 23	0 14	23 55	0 26	12 23	2 44	5 54	1 26	13 36	1 15	4 2	1 4	2 9	2 37	20 36	0 6	21 27	1 27	9 31	16 38	23 24	23 25	8 33	12 0	0 27
M24	0s 9	22 20	0s38	12 50	2 51	5 25	1 26	13 24	1 16	3 57	1 4	2 11	2 37	20 37	0 6	21 26	1 27	9 30	16 37	23 24	23 25	8 31	11 59	0 28
T 25	0 33	19 47	1 40	13 16	2 57	4 56	1 26	13 11	1 15	3 52	1 4	2 13	2 37	20 37	0 6	21 26	1 27	9 29	16 37	23 24	23 25	8 28	11 58	0 28
W26	0 56	16 26	2 37	13 40	3 3	4 26	1 26	12 58	1 16	3 47	1 4	2 15	2 37	20 38	0 6	21 26	1 27	9 28	16 37	23 25	23 26	8 25	11 57	0 28
T 27	1 20	12 27	3 26	14 2	3 8	3 57	1 27	12 45	1 16	3 42	1 4	2 17	2 37	20 38	0 6	21 26	1 27	9 27	16 37	23 25	23 26	8 22	11 56	0 28
F 28	1 43	7 59	4 7	14 23	3 13	3 27	1 27	12 32	1 16	3 37	1													

SWISS EPHEMERIS for the year 1731

OCTOBER 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	0 36 49	7♁16'38	5♁ 0	1♁30	28♁24	2♁17	24♁ 2	29°R59	2♁52	17°R27	15♁ 2	3°R18	3♁20	28♁ 8	2°R21
T 2	0 40 45	8°15'48	17°16	1°57	29°38	2°54	24°14	29°H54	2°54	17°II27	15° 5	3°R 4	3°17	28°15	2°R19
W 3	0 44 42	9°15'00	29°42	2°19	0♁53	3°31	24°27	29°49	2°57	17°27	15° 7	2°51	3°14	28°22	2°16
T 4	0 48 38	10°14'14	12♁18	2°34	2° 8	4° 9	24°40	29°45	2°59	17°26	15°10	2°41	3°11	28°28	2°13
F 5	0 52 35	11°13'30	25° 4	2°44	3°23	4°46	24°53	29°40	3° 2	17°26	15°12	2°33	3° 8	28°35	2°10
S 6	0 56 31	12°12'47	8♁ 1	2°R46	4°38	5°23	25° 5	29°36	3° 5	17°25	15°14	2°29	3° 5	28°42	2° 8
S 7	1 0 28	13°12'07	21°12	2°41	5°53	6° 0	25°18	29°31	3° 7	17°25	15°17	2°27	3° 1	28°48	2° 5
M 8	1 4 25	14°11'28	4♁38	2°28	7° 8	6°37	25°31	29°27	3°10	17°24	15°19	2°D27	2°58	28°55	2° 2
T 9	1 8 21	15°10'52	18°22	2° 7	8°23	7°14	25°43	29°22	3°13	17°24	15°22	2°R27	2°55	29° 2	1°59
W10	1 12 18	16°10'16	2♁23	1°38	9°38	7°51	25°56	29°18	3°16	17°23	15°24	2°26	2°52	29° 8	1°56
T 11	1 16 14	17° 9'43	16°43	1° 1	10°53	8°29	26° 9	29°14	3°18	17°22	15°26	2°23	2°49	29°15	1°54
F 12	1 20 11	18° 9'11	1♁19	0° 15	12° 8	9° 6	26°21	29° 9	3°21	17°22	15°29	2°18	2°46	29°22	1°51
S 13	1 24 7	19° 8'41	16° 7	29♁21	13°23	9°43	26°34	29° 5	3°24	17°21	15°31	2°10	2°42	29°29	1°48
S 14	1 28 4	20° 8'13	0°V59	28°21	14°38	10°20	26°46	29° 1	3°27	17°20	15°33	2° 0	2°39	29°35	1°45
M15	1 32 0	21° 7'47	15°47	27°14	15°54	10°57	26°58	28°57	3°30	17°19	15°36	1°49	2°36	29°42	1°42
T 16	1 35 57	22° 7'23	0♁23	26° 3	17° 9	11°33	27°11	28°53	3°33	17°19	15°38	1°38	2°33	29°49	1°39
W17	1 39 54	23° 7'00	14°38	24°49	18°24	12°10	27°23	28°48	3°36	17°18	15°41	1°29	2°30	29°55	1°36
T 18	1 43 50	24° 6'41	28°29	23°34	19°39	12°47	27°35	28°44	3°39	17°17	15°43	1°23	2°26	0♁ 2	1°33
F 19	1 47 47	25° 6'23	11♁53	22°20	20°54	13°24	27°48	28°40	3°42	17°16	15°45	1°18	2°23	0° 9	1°30
S 20	1 51 43	26° 6'07	24°51	21°11	22° 9	14° 1	28° 0	28°37	3°45	17°15	15°48	1°17	2°20	0°15	1°27
S 21	1 55 40	27° 5'54	7♁25	20° 7	23°24	14°38	28°12	28°33	3°48	17°14	15°50	1°D17	2°17	0°22	1°24
M22	1 59 36	28° 5'43	19°41	19°11	24°40	15°14	28°24	28°29	3°51	17°13	15°52	1°17	2°14	0°29	1°21
T 23	2 3 33	29° 5'38	1♁43	18°24	25°55	15°51	28°36	28°25	3°54	17°12	15°55	1°R18	2°11	0°36	1°18
W24	2 7 29	0♁ 5'24	13°36	17°47	27°10	16°28	28°48	28°22	3°58	17°11	15°57	1°16	2° 7	0°42	1°15
T 25	2 11 26	1° 5'23	25°26	17°22	28°25	17° 5	29° 0	28°18	4° 1	17°10	15°59	1°13	2° 4	0°49	1°12
F 26	2 15 23	2° 5'21	7♁17	17° 8	29°41	17°41	29°12	28°15	4° 4	17° 9	16° 2	1° 8	2° 1	0°56	1° 9
S 27	2 19 19	3° 5'20	19°14	17°D 6	0♁56	18°18	29°24	28°11	4° 7	17° 8	16° 4	1° 0	1°58	1° 2	1° 6
S 28	2 23 16	4° 5'22	1♁20	17°15	2°11	18°54	29°36	28° 8	4°11	17° 7	16° 6	0°50	1°55	1° 9	1° 3
M29	2 27 12	5° 5'26	13°37	17°34	3°26	19°31	29°47	28° 5	4°14	17° 6	16° 9	0°39	1°52	1°16	1° 0
T 30	2 31 9	6° 5'32	26° 6	18° 3	4°42	20° 8	29°59	28° 1	4°17	17° 5	16°11	0°29	1°48	1°22	0°57
W31	2 35 5	7♁ 5'40	8♁49	18♁41	5♁57	20♁44	0♁11	27°H58	4♁21	17°II 3	16♁13	0♁19	1♁45	1♁29	0♁54

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	2s54	6s34	4s59	15s13	3s25	1n58	1n27	11n53	1n17	3n22	1n 4	2s24	2s37	20s40	0n 6	21n26	1s27	9n23	16n37	23s26	23s26	8n11	11n52	0s28
T 2	3 17 11 16	4 51 15 24	3 27 1 28	1 26 11 40	1 17 3 17	1 5 2 26	2 37 20 41	0 6 21 26	1 27 9 23	16 37 23 26	23 26 8 8	11 51 0 28												
W 3	3 40 15 33	4 28 15 34	3 29 0 58	1 26 11 26	1 18 3 12	1 5 2 28	2 37 20 41	0 6 21 26	1 27 9 22	16 37 23 27	23 26 8 6	11 50 0 28												
T 4	4 4 19 13	3 52 15 40	3 30 0 28	1 26 11 13	1 18 3 7	1 5 2 30	2 37 20 42	0 6 21 26	1 27 9 21	16 37 23 27	23 26 8 3	11 49 0 29												
F 5	4 27 22 2	3 4 15 43	3 29 0s 2	1 25 10 59	1 18 3 2	1 5 2 32	2 37 20 42	0 6 21 26	1 27 9 20	16 37 23 27	23 26 8 0	11 48 0 29												
S 6	4 50 23 44	2 5 15 42	3 28 0 33	1 25 10 46	1 18 2 57	1 5 2 33	2 37 20 43	0 6 21 26	1 27 9 19	16 37 23 27	23 26 7 57	11 47 0 29												
S 7	5 13 24 10	0 59 15 38	3 25 1 3	1 25 10 32	1 19 2 52	1 5 2 35	2 37 20 43	0 6 21 26	1 27 9 18	16 37 23 27	23 26 7 55	11 46 0 29												
M 8	5 36 23 12	0n12 15 30	3 21 1 33	1 24 10 19	1 19 2 47	1 5 2 37	2 37 20 44	0 6 21 25	1 28 9 17	16 36 23 27	23 26 7 52	11 45 0 29												
T 9	5 59 20 50	1 23 15 17	3 16 2 3	1 23 10 5	1 19 2 42	1 5 2 39	2 37 20 44	0 6 21 25	1 28 9 16	16 37 23 27	23 27 7 49	11 44 0 29												
W10	6 22 17 12	2 31 15 1	3 9 2 33	1 23 9 52	1 19 2 37	1 5 2 40	2 37 20 45	0 6 21 25	1 28 9 15	16 37 23 27	23 27 7 46	11 43 0 29												
T 11	6 45 12 29	3 32 14 39	3 0 3 4	1 22 9 38	1 20 2 32	1 5 2 42	2 36 20 45	0 6 21 25	1 28 9 14	16 37 23 27	23 27 7 44	11 41 0 29												
F 12	7 8 6 59	4 19 14 13	2 49 3 34	1 21 9 24	1 20 2 27	1 5 2 44	2 36 20 46	0 6 21 25	1 28 9 14	16 37 23 27	23 27 7 41	11 40 0 29												
S 13	7 30 1 2	4 50 13 42	2 37 4 4	1 20 9 11	1 20 2 22	1 5 2 45	2 36 20 47	0 6 21 25	1 28 9 13	16 37 23 27	23 27 7 38	11 39 0 29												
S 14	7 53 5n 0	5 2 13 7	2 22 4 34	1 19 8 57	1 20 2 17	1 6 2 47	2 36 20 47	0 6 21 25	1 28 9 12	16 37 23 28	23 27 7 35	11 38 0 30												
M15	8 15 10 43	4 53 12 28	2 6 5 3	1 18 8 43	1 20 2 12	1 6 2 48	2 36 20 48	0 6 21 25	1 28 9 11	16 37 23 28	23 27 7 33	11 37 0 30												
T 16	8 38 15 45	4 25 11 46	1 49 5 33	1 17 8 29	1 21 2 8	1 6 2 50	2 36 20 48	0 6 21 25	1 28 9 10	16 37 23 28	23 27 7 30	11 36 0 30												
W17	9 0 19 46	3 41 11 1	1 30 6 3	1 16 8 15	1 21 2 3	1 6 2 52	2 36 20 49	0 5 21 25	1 28 9 9	16 37 23 28	23 27 7 27	11 35 0 30												
T 18	9 22 22 32	2 45 10 15	1 10 6 32	1 15 8 1	1 21 1 58	1 6 2 53	2 36 20 49	0 5 21 24	1 28 9 9	16 37 23 28	23 27 7 24	11 34 0 30												
F 19	9 44 23 55	1 41 9 28	0 49 7 2	1 14 7 47	1 21 1 53	1 6 2 55	2 36 20 50	0 5 21 24	1 28 9 8	16 37 23 28	23 27 7 21	11 33 0 30												
S 20	10 6 23 57	0 34 8 43	0 29 7 31	1 12 7 33	1 21 1 48	1 6 2 56	2 36 20 51	0 5 21 24	1 28 9 7	16 37 23 28	23 27 7 19	11 32 0 30												
S 21	10 27 22 43	0s33 8 0	0 8 8 0	1 11 7 19	1 22 1 44	1 6 2 57	2 36 20 51	0 5 21 24	1 28 9 6	16 37 23 28	23 27 7 16	11 30 0 30												
M22	10 49 20 26	1 37 7 20	0n12 8 29	1 10 7 5	1 22 1 39	1 6 2 59	2 35 20 52	0 5 21 24	1 28 9 5	16 37 23 28	23 27 7 13	11 29 0 30												
T 23	11 10 17 17	2 35 6 45	0 30 8 58	1 8 6 51	1 22 1 34	1 6 3 0	2 35 20 52	0 5 21 24	1 28 9 5	16 37 23 28	23 27 7 10	11 28 0 30												
W24	11 31 13 29	3 26 6 15	0 48 9 26	1 7 6 37	1 22 1 30	1 7 3 2	2 35 20 53	0 5 21 24	1 28 9 4	16 38 23 28	23 27 7 8	11 27 0 31												
T 25	11 52 9 10	4 8 5 51	1 4 9 55	1 5 6 23	1 23 1 25	1 7 3 3	2 35 20 54	0 5 21 24	1 28 9 3	16 38 23 28	23 27 7 5	11 26 0 31												
F 26	12 13 4 32	4 39 5 32	1 18 10 23	1 4 6 9	1 23 1 20	1 7 3 4	2 35 20 54	0 5 21 23	1 28 9 2	16 38 23 28	23 28 7 2	11 25 0 31												
S 27	12 34 0s18	4 58 5 19	1 31 10 51	1 2 5 54	1 23 1 16	1 7 3 5	2 35 20 55	0 5 21 23	1 28 9 2	16 38 23 28	23 28 6 59	11 24 0 31												
S 28	12 54 5 11	5 5 5 13	1 42 11 18	1 0 5 40	1 23 1 11	1 7 3 7	2 35 20 55	0 5 21 23	1 28 9 1	16 38 23 28	23 28 6 57	11 23 0 31												
M29	13 14 9 56	4 57 5 12	1 51 11 46	0 59 5 26	1 23 1 7	1 7 3 8	2 35 20 56	0 5 21 23	1 28 9 0	16 38 23 28	23 28 6 54	11 21 0 31												
T 30	13 34 14 22	4 35 5 16	1 58 12 13	0 57 5 12	1 24 1 2	1 7 3 9	2 34 20 57	0 5 21 23	1 28 9 0	16 39 23 28	23 28 6 51	11 20 0 31												
W31	13s54	18s14	3s59	5s25	2n 4	12s39	0n55	4n58	1n24	0n58	1n 7	3s10	2s34	20s57	0n 5	21n23	1s28	8n59	16n39	23s28	23s28	6n48	11n19	0s31

Julian Day Number = 2353567.5, Delta T = 10.10 sec
 Ecliptic obliquity = 23°28'28", Nutation = 0°00'17"
 Ayanamsha: Fagan/Bradley = 20°59'44", Lahiri = 20°06'44"Greg. Calendar

SWISS EPHEMERIS for the year 1731

NOVEMBER 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 39 2	8♈ 5'50	21♈44	19♁28	7♈12	21♈21	0♁22	27°R55	4♁24	17°R 2	16♁15	0°R11	1♁42	1♈36	0°R51
F 2	2 42 58	9° 6'01	4♁50	20°21	8°28	21°57	0°34	27♁52	4°27	17♈ 1	16°18	0°R 6	1°39	1°43	0°R48
S 3	2 46 55	10° 6'14	18° 8	21°21	9°43	22°33	0°45	27°49	4°31	17° 0	16°20	0° 3	1°36	1°49	0°45
S 4	2 50 52	11° 6'29	1♁37	22°27	10°58	23°10	0°56	27°47	4°34	16°58	16°22	0°D 2	1°32	1°56	0°43
M 5	2 54 48	12° 6'46	15°16	23°38	12°14	23°46	1° 8	27°44	4°38	16°57	16°24	0° 3	1°29	2° 3	0°40
T 6	2 58 45	13° 7'04	29° 5	24°52	13°29	24°22	1°19	27°41	4°41	16°56	16°27	0° 4	1°26	2° 9	0°37
W 7	3 2 41	14° 7'23	13♁ 4	26°11	14°44	24°59	1°30	27°39	4°45	16°54	16°29	0°R 5	1°23	2°16	0°34
T 8	3 6 38	15° 7'43	27°14	27°32	16° 0	25°35	1°41	27°36	4°48	16°53	16°31	0° 4	1°20	2°23	0°31
F 9	3 10 34	16° 8'05	11♁31	28°56	17°15	26°11	1°52	27°34	4°52	16°52	16°33	0° 2	1°17	2°30	0°28
S 10	3 14 31	17° 8'29	25°54	0♈22	18°30	26°47	2° 3	27°32	4°55	16°50	16°35	29♁57	1°13	2°36	0°25
S 11	3 18 27	18° 8'53	10♈19	1°49	19°46	27°23	2°14	27°30	4°59	16°49	16°37	29°51	1°10	2°43	0°22
M12	3 22 24	19° 9'19	24°40	3°18	21° 1	27°59	2°25	27°28	5° 2	16°47	16°39	29°45	1° 7	2°50	0°20
T 13	3 26 21	20° 9'47	8♁51	4°49	22°16	28°35	2°35	27°26	5° 6	16°46	16°41	29°38	1° 4	2°56	0°17
W14	3 30 17	21°10'16	22°47	6°20	23°32	29°11	2°46	27°24	5°10	16°44	16°44	29°33	1° 1	3° 3	0°14
T 15	3 34 14	22°10'47	6♈25	7°52	24°47	29°47	2°56	27°22	5°13	16°43	16°46	29°29	0°58	3°10	0°11
F 16	3 38 10	23°11'19	19°41	9°25	26° 3	0♁23	3° 7	27°21	5°17	16°41	16°48	29°26	0°54	3°16	0° 9
S 17	3 42 7	24°11'54	2♁36	10°58	27°18	0°59	3°17	27°19	5°21	16°40	16°50	29°D26	0°51	3°23	0° 6
S 18	3 46 3	25°12'29	15°11	12°32	28°33	1°35	3°27	27°18	5°24	16°38	16°52	29°27	0°48	3°30	0° 3
M19	3 50 0	26°13'07	27°28	14° 6	29°49	2°11	3°37	27°16	5°28	16°37	16°54	29°29	0°45	3°37	0° 1
T 20	3 53 56	27°13'46	9♁32	15°40	1♁ 4	2°46	3°47	27°15	5°31	16°35	16°56	29°31	0°42	3°43	29°V58
W21	3 57 53	28°14'26	21°28	17°14	2°19	3°22	3°57	27°14	5°35	16°34	16°57	29°32	0°38	3°50	29°56
T 22	4 1 50	29°15'09	3♈19	18°48	3°35	3°58	4° 7	27°13	5°39	16°32	16°59	29°R32	0°35	3°57	29°53
F 23	4 5 46	0♁15'52	15°12	20°23	4°50	4°33	4°17	27°12	5°42	16°30	17° 1	29°31	0°32	4° 3	29°50
S 24	4 9 43	1°16'38	27°10	21°57	6° 6	5° 9	4°27	27°11	5°46	16°29	17° 3	29°28	0°29	4°10	29°48
S 25	4 13 39	2°17'25	9♁19	23°31	7°21	5°45	4°36	27°11	5°50	16°27	17° 5	29°25	0°26	4°17	29°46
M26	4 17 36	3°18'13	21°41	25° 6	8°36	6°20	4°45	27°10	5°53	16°25	17° 7	29°20	0°23	4°24	29°43
T 27	4 21 32	4°19'03	4♈20	26°40	9°52	6°56	4°55	27°10	5°57	16°24	17° 9	29°16	0°19	4°30	29°41
W28	4 25 29	5°19'54	17°16	28°14	11° 7	7°31	5° 4	27° 9	6° 1	16°22	17°10	29°12	0°16	4°37	29°39
T 29	4 29 25	6°20'47	0♁29	29°49	12°23	8° 6	5°13	27° 9	6° 5	16°20	17°12	29° 9	0°13	4°44	29°36
F 30	4 33 22	7°21'40	13♁59	1♁23	13♁38	8♁42	5°22	27♁ 9	6♁ 8	16♈19	17♁14	29♁ 7	0°R10	4♈50	29°V34

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s14	21s17	3s11	5s39	2n 9	13s 6	0n53	4n43	1n24	0n53	1n 7	3s11	2s34	20s58	0n 5	21n23	1s28	8n58	16n39	23s28	23s28	6n45	11n18	0s31
F 2	14 33	23 17	2 11	5 56	2 12	13 32	0 51	4 29	1 24	0 49	1 8	3 12	2 34	20 59	0 5	21 22	1 28	8 58	16 39	23 28	23 28	6 43	11 17	0 31
S 3	14 52	24 0	1 4	6 17	2 13	13 58	0 49	4 15	1 24	0 44	1 8	3 13	2 34	20 59	0 5	21 22	1 28	8 57	16 39	23 28	23 28	6 40	11 16	0 31
S 4	15 11	23 19	0n 8	6 40	2 14	14 23	0 47	4 1	1 25	0 40	1 8	3 14	2 34	21 0	0 5	21 22	1 28	8 57	16 40	23 28	23 28	6 37	11 15	0 31
M 5	15 30	21 15	1 21	7 7	2 14	14 48	0 45	3 47	1 25	0 35	1 8	3 15	2 33	21 1	0 5	21 22	1 28	8 56	16 40	23 28	23 28	6 34	11 14	0 32
T 6	15 48	17 55	2 30	7 35	2 12	15 13	0 43	3 32	1 25	0 31	1 8	3 16	2 33	21 1	0 5	21 22	1 28	8 55	16 40	23 28	23 28	6 32	11 13	0 32
W 7	16 6	13 32	3 31	8 6	2 10	15 38	0 41	3 18	1 25	0 27	1 8	3 17	2 33	21 2	0 5	21 22	1 28	8 55	16 40	23 28	23 28	6 29	11 11	0 32
T 8	16 24	8 23	4 20	8 37	2 8	16 1	0 39	3 4	1 25	0 23	1 8	3 17	2 33	21 2	0 5	21 22	1 28	8 54	16 41	23 28	23 28	6 26	11 10	0 32
F 9	16 41	2 44	4 53	9 10	2 4	16 25	0 37	2 50	1 25	0 18	1 9	3 18	2 33	21 3	0 5	21 21	1 28	8 54	16 41	23 28	23 28	6 23	11 9	0 32
S 10	16 59	3n 5	5 8	9 44	2 0	16 48	0 35	2 35	1 26	0 14	1 9	3 19	2 32	21 4	0 5	21 21	1 29	8 53	16 41	23 28	23 28	6 20	11 8	0 32
S 11	17 16	8 45	5 4	10 19	1 56	17 11	0 33	2 21	1 26	0 10	1 9	3 19	2 32	21 4	0 5	21 21	1 29	8 53	16 42	23 28	23 28	6 18	11 7	0 32
M12	17 32	13 55	4 41	10 54	1 51	17 33	0 30	2 7	1 26	0 6	1 9	3 20	2 32	21 5	0 5	21 21	1 29	8 52	16 42	23 28	23 28	6 15	11 6	0 32
T 13	17 49	18 15	4 0	11 29	1 45	17 55	0 28	1 53	1 26	0 2	1 9	3 21	2 32	21 6	0 5	21 21	1 29	8 52	16 42	23 28	23 28	6 12	11 5	0 32
W14	18 5	21 29	3 6	12 5	1 40	18 16	0 26	1 39	1 26	0s 2	1 9	3 21	2 32	21 6	0 5	21 21	1 29	8 51	16 42	23 28	23 28	6 9	11 4	0 32
T 15	18 20	23 25	2 2	12 40	1 34	18 37	0 24	1 24	1 27	0 6	1 10	3 22	2 31	21 7	0 5	21 20	1 29	8 51	16 43	23 28	23 28	6 7	11 3	0 32
F 16	18 36	23 57	0 53	13 16	1 28	18 57	0 21	1 10	1 27	0 10	1 10	3 22	2 31	21 8	0 5	21 20	1 29	8 50	16 43	23 28	23 28	6 4	11 2	0 32
S 17	18 51	23 10	0s17	13 51	1 21	19 17	0 19	0 56	1 27	0 14	1 10	3 23	2 31	21 8	0 5	21 20	1 29	8 50	16 43	23 28	23 28	6 1	11 1	0 33
S 18	19 6	21 12	1 25	14 26	1 15	19 36	0 17	0 42	1 27	0 18	1 10	3 23	2 31	21 9	0 5	21 20	1 29	8 49	16 44	23 28	23 28	5 58	11 0	0 33
M19	19 20	18 17	2 27	15 0	1 8	19 54	0 14	0 28	1 27	0 22	1 10	3 23	2 31	21 10	0 5	21 20	1 29	8 49	16 44	23 28	23 28	5 55	10 59	0 33
T 20	19 34	14 39	3 22	15 34	1 2	20 12	0 12	0 14	1 27	0 26	1 10	3 24	2 30	21 10	0 5	21 20	1 29	8 49	16 45	23 28	23 28	5 53	10 58	0 33
W21	19 48	10 28	4 7	16 8	0 55	20 30	0 10	0s 0	1 27	0 30	1 11	3 24	2 30	21 11	0 5	21 19	1 29	8 48	16 45	23 28	23 28	5 50	10 57	0 33
T 22	20 1	5 56	4 41	16 41	0 48	20 47	0 7	0 14	1 28	0 33	1 11	3 24	2 30	21 12	0 5	21 19	1 29	8 48	16 45	23 28	23 28	5 47	10 56	0 33
F 23	20 14	1 10	5 4	17 13	0 41	21 3	0 5	0 28	1 28	0 37	1 11	3 24	2 30	21 12	0 5	21 19	1 29	8 48	16 46	23 28	23 28	5 44	10 55	0 33
S 24	20 27	3s40	5 13	17 44	0 34	21 19	0 2	0 42	1 28	0 41	1 11	3 24	2 30	21 13	0 5	21 19	1 29	8 47	16 46	23 28	23 28	5 42	10 54	0 33
S 25	20 39	8 25	5 9	18 15	0 27	21 34	0 0	0 56	1 28	0 44	1 11	3 24	2 29	21 14	0 5	21 19	1 29	8 47	16 46	23 28	23 28	5 39	10 53	0 33
M26	20 51	12 56	4 50	18 45	0 20	21 49	0s 2	1 10	1 28	0 48	1 11	3 24	2 29	21 14	0 5	21 19	1 29	8 47	16 47	23 28	23 28	5 36	10 52	0 33
T 27	21 2	17 0	4 17	19 14	0 13	22 2	0 5	1 24	1 28	0 52	1 12	3 24	2 29	21 15	0 5	21 18	1 29	8 46	16 47	23 28	23 28	5 33	10 51	0 33
W28	21 13	20 22	3 30	19 42	0 6	22 16	0 7	1 38	1 28	0 55	1 12	3 24	2 29	21 16	0 5	21 18	1 29	8 46	16 48	23 28	23 28	5 30	10 51	0 33
T 29	21 24	22 45	2 31	20 9	0s 1	22 28	0 10	1 52	1 29	0 58	1 12	3 24	2 28	21 16	0 5	21 18	1 29	8 46	16 48	23 28	23 28	5 28	10 50	0 33
F 30	21s34	23s52	1s22	20s35	0s 8	22s40	0s12	2s 6	1n29	1s 2	1n1													

SWISS EPHEMERIS for the year 1731

DECEMBER 1731

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁	♁
S 1	4 37 19	8♂22'35	27♂43	2♂57	14♂54	9♂17	5♂31	27°D 9	6♂12	16°R17	17♂15	29°D 6	0♂ 7	4♂57	29°R32	
S 2	4 41 15	9°23'31	11♂39	4°31	16° 9	9°52	5°40	27♂ 9	6°16	16♂15	17°17	29♂ 7	0° 4	5° 4	29♂30	
M 3	4 45 12	10°24'28	25°43	6° 5	17°24	10°27	5°48	27° 9	6°19	16°14	17°19	29° 8	0° 0	5°11	29°28	
T 4	4 49 8	11°25'25	9♂52	7°40	18°40	11° 2	5°57	27° 9	6°23	16°12	17°20	29° 9	29♂57	5°17	29°26	
W 5	4 53 5	12°26'23	24° 4	9°14	19°55	11°37	6° 5	27°10	6°27	16°10	17°22	29°10	29°54	5°24	29°24	
T 6	4 57 1	13°27'22	8♂16	10°48	21°11	12°12	6°14	27°10	6°30	16° 9	17°24	29°R11	29°51	5°31	29°22	
F 7	5 0 58	14°28'21	22°26	12°22	22°26	12°47	6°22	27°11	6°34	16° 7	17°25	29°11	29°48	5°37	29°20	
S 8	5 4 54	15°29'21	6♂32	13°56	23°41	13°22	6°30	27°12	6°38	16° 5	17°27	29°10	29°44	5°44	29°18	
S 9	5 8 51	16°30'21	20°32	15°30	24°57	13°57	6°38	27°13	6°41	16° 4	17°28	29° 9	29°41	5°51	29°16	
M10	5 12 48	17°31'22	4♂24	17° 5	26°12	14°32	6°46	27°14	6°45	16° 2	17°29	29° 7	29°38	5°58	29°14	
T 11	5 16 44	18°32'23	18° 5	18°39	27°27	15° 7	6°53	27°15	6°49	16° 0	17°31	29° 6	29°35	6° 4	29°13	
W12	5 20 41	19°33'26	1♂34	20°14	28°43	15°41	7° 1	27°16	6°52	15°58	17°32	29° 4	29°32	6°11	29°11	
T 13	5 24 37	20°34'28	14°49	21°48	29°58	16°16	7° 8	27°17	6°56	15°57	17°34	29° 4	29°29	6°18	29° 9	
F 14	5 28 34	21°35'32	27°48	23°23	1♂14	16°50	7°15	27°18	6°59	15°55	17°35	29°D 3	29°25	6°24	29° 8	
S 15	5 32 30	22°36'36	10♂32	24°58	2°29	17°25	7°22	27°20	7° 3	15°53	17°36	29° 4	29°22	6°31	29° 6	
S 16	5 36 27	23°37'40	23° 0	26°33	3°44	17°59	7°29	27°21	7° 7	15°52	17°38	29° 4	29°19	6°38	29° 5	
M17	5 40 23	24°38'46	5♂15	28° 9	5° 0	18°34	7°36	27°23	7°10	15°50	17°39	29° 5	29°16	6°45	29° 4	
T 18	5 44 20	25°39'52	17°19	29°44	6°15	19° 8	7°43	27°25	7°14	15°48	17°40	29° 5	29°13	6°51	29° 2	
W19	5 48 17	26°40'58	29°15	1♂20	7°30	19°42	7°49	27°27	7°17	15°47	17°41	29° 5	29°10	6°58	29° 1	
T 20	5 52 13	27°42'05	11♂ 7	2°56	8°46	20°16	7°56	27°29	7°21	15°45	17°42	29° 6	29° 6	7° 5	29° 0	
F 21	5 56 10	28°43'13	23° 0	4°32	10° 1	20°50	8° 2	27°31	7°24	15°43	17°43	29° 6	29° 3	7°11	28°58	
S 22	6 0 6	29°44'22	4♂57	6° 8	11°16	21°24	8° 8	27°33	7°28	15°42	17°44	29° 6	29° 0	7°18	28°57	
S 23	6 4 3	0♂45'31	17° 4	7°44	12°32	21°58	8°14	27°36	7°31	15°40	17°45	29° 6	28°57	7°25	28°56	
M24	6 7 59	1°46'41	29°26	9°21	13°47	22°32	8°20	27°38	7°35	15°38	17°46	29° 6	28°54	7°32	28°55	
T 25	6 11 56	2°47'51	12♂ 5	10°58	15° 2	23° 6	8°25	27°40	7°38	15°37	17°47	29° 6	28°50	7°38	28°54	
W26	6 15 52	3°49'02	25° 6	12°35	16°18	23°40	8°31	27°43	7°42	15°35	17°48	29° 7	28°47	7°45	28°54	
T 27	6 19 49	4°50'13	8♂30	14°12	17°33	24°13	8°36	27°46	7°45	15°34	17°49	29° 7	28°44	7°52	28°53	
F 28	6 23 46	5°51'24	22°16	15°49	18°48	24°47	8°41	27°49	7°48	15°32	17°50	29°R 7	28°41	7°58	28°52	
S 29	6 27 42	6°52'36	6♂33	17°27	20° 4	25°21	8°46	27°52	7°52	15°30	17°51	29° 7	28°38	8° 5	28°51	
S 30	6 31 39	7°53'47	20°46	19° 4	21°19	25°54	8°51	27°55	7°55	15°29	17°52	29° 7	28°35	8°12	28°51	
M31	6 35 35	8♂54'59	5♂20	20♂41	22♂34	26♂27	8♂56	27♂58	7♂58	15♂27	17♂53	29♂ 6	28♂31	8♂19	28♂50	

Day	☉		☽		♀		♁		♂		♃		♅		♁		♄		♆					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	21s44	23s35	0s 8	21s 1	0s14	22s51	0s14	2s19	1n29	1s 5	1n12	3s24	2s28	21s18	0n 5	21n18	1s29	8n45	16n49	23s28	23s28	5n22	10n48	0s34
S 2	21 53	21 49	1n 9	21 25	0 21	23 2	0 17	2 33	1 29	1 8	1 13	3 24	2 28	21 18	0 5	21 18	1 29	8 45	16 49	23 28	23 28	5 19	10 47	0 34
M 3	22 2 18	43 2 22	21 48	0 27	23 12	0 19	2 47	1 12	1 13	3 23	2 27	21 19	0 5	21 17	1 29	8 45	16 50	23 28	23 28	5 17	10 46	0 34		
T 4	22 11 14	29 3 26	22 11	0 34	23 21	0 21	3 0	1 29	1 15	1 13	3 23	2 27	21 19	0 5	21 17	1 29	8 45	16 50	23 28	23 28	5 14	10 46	0 34	
W 5	22 19 9	27 4 19	22 32	0 40	23 29	0 24	3 14	1 29	1 18	1 13	3 23	2 27	21 20	0 5	21 17	1 29	8 45	16 51	23 28	23 28	5 11	10 45	0 34	
T 6	22 27 3	55 4 55	22 52	0 46	23 37	0 26	3 28	1 29	1 21	1 13	3 22	2 27	21 21	0 5	21 17	1 29	8 45	16 51	23 28	23 28	5 8	10 44	0 34	
F 7	22 34 1n48	5 14	23 11	0 52	23 44	0 29	3 41	1 30	1 24	1 14	3 22	2 27	21 21	0 5	21 17	1 29	8 44	16 52	23 28	23 28	5 6	10 43	0 34	
S 8	22 41 7	24 5 14	23 28	0 58	23 50	0 31	3 54	1 30	1 27	1 14	3 21	2 26	21 22	0 5	21 17	1 29	8 44	16 52	23 28	23 28	5 3	10 43	0 34	
S 9	22 47 12	34 4 55	23 45	1 4	23 56	0 33	4 8	1 30	1 30	1 14	3 21	2 26	21 23	0 5	21 16	1 29	8 44	16 53	23 28	23 28	5 0	10 42	0 34	
M10	22 53 17	3 4 18	24 0	1 10	24 1	0 35	4 21	1 30	1 33	1 14	3 20	2 26	21 23	0 5	21 16	1 29	8 44	16 53	23 28	23 28	4 57	10 41	0 34	
T 11	22 59 20	34 3 28	24 14	1 15	24 5	0 38	4 35	1 30	1 36	1 15	3 19	2 26	21 24	0 5	21 16	1 29	8 44	16 54	23 28	23 28	4 54	10 41	0 34	
W12	23 4 22	54 2 27	24 27	1 20	24 8	0 40	4 48	1 30	1 39	1 15	3 19	2 25	21 24	0 5	21 16	1 29	8 44	16 54	23 28	23 28	4 52	10 40	0 34	
T 13	23 8 23	54 1 18	24 39	1 26	24 10	0 42	5 1	1 30	1 41	1 15	3 18	2 25	21 25	0 5	21 16	1 29	8 44	16 55	23 28	23 28	4 49	10 39	0 34	
F 14	23 12 23	34 0 7	24 49	1 30	24 12	0 44	5 14	1 30	1 44	1 15	3 17	2 25	21 26	0 5	21 16	1 29	8 44	16 55	23 28	23 28	4 46	10 39	0 34	
S 15	23 16 22	0 1s 3	24 58	1 35	24 13	0 46	5 27	1 30	1 46	1 15	3 16	2 25	21 26	0 5	21 15	1 29	8 44	16 56	23 28	23 28	4 43	10 38	0 34	
S 16	23 19 19	23 2 9	25 5	1 39	24 14	0 48	5 40	1 30	1 49	1 16	3 16	2 24	21 27	0 5	21 15	1 29	8 44	16 56	23 28	23 28	4 41	10 38	0 34	
M17	23 22 15	57 3 8	25 11	1 44	24 13	0 51	5 53	1 31	1 52	1 16	3 15	2 24	21 27	0 5	21 15	1 29	8 44	16 57	23 28	23 28	4 38	10 37	0 35	
T 18	23 24 11	54 3 37	25 16	1 47	24 12	0 53	6 6	1 31	1 54	1 16	3 14	2 24	21 28	0 5	21 15	1 29	8 44	16 57	23 28	23 28	4 35	10 37	0 35	
W19	23 26 7	27 4 35	25 19	1 51	24 10	0 55	6 19	1 31	1 56	1 16	3 13	2 24	21 29	0 5	21 15	1 29	8 44	16 58	23 28	23 28	4 32	10 36	0 35	
T 20	23 27 2	45 5 2	25 21	1 54	24 7	0 57	6 32	1 31	1 59	1 17	3 12	2 24	21 29	0 5	21 15	1 29	8 44	16 58	23 28	23 28	4 29	10 36	0 35	
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T 25	23 27 19	10 3 52	25 7	2 7	23 43	1 6	7 35	1 31	2 9	1 18	3 6	2 22	21 32	0 5	21 14	1 28	8 45	17 1	23 28	23 28	4 16	10 33	0 35	
W26	23 25 21	57 2 58	25 0	2 8	23 36	1 8	7 47	1 31	2 11	1 18	3 5	2 22	21 33	0 5	21 14	1 28	8 45	17 2	23 28	23 28	4 13	10 33	0 35	
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