

SWISS EPHEMERIS for the year 1728

JANUARY 1728

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 39 24	9♂54'05	28♁24	20♂ 3	24♁25	17♁21	21°R53	13♁18	20♁58	6°R13	7♁54	14°R32	15♁50	25♁41	12♁50
F 2	6 43 20	10°55'14	12♁40	20°13	25°17	17°34	21♁50	13°24	21° 1	6♁12	7°55	14°D31	15°47	25°48	12°50
S 3	6 47 17	11°56'24	26°53	20°32	26° 9	17°46	21°47	13°31	21° 4	6°11	7°55	14°♁31	15°44	25°55	12°51
S 4	6 51 13	12°57'33	10♁59	20°57	27° 2	17°57	21°44	13°37	21° 7	6°10	7°55	14°R31	15°40	26° 1	12°52
M 5	6 55 10	13°58'43	25° 0	21°29	27°55	18° 8	21°42	13°44	21° 9	6° 8	7°55	14°R31	15°37	26° 8	12°52
T 6	6 59 6	14°59'53	8♁54	22° 7	28°49	18°18	21°39	13°51	21°12	6° 7	7°56	14°28	15°34	26°15	12°53
W 7	7 3 3	16° 1'03	22°40	22°50	29°44	18°28	21°37	13°57	21°14	6° 6	7°56	14°23	15°31	26°21	12°54
T 8	7 7 0	17° 2'13	6♁18	23°38	0♁40	18°37	21°36	14° 4	21°17	6° 5	7°56	14°16	15°28	26°28	12°55
F 9	7 10 56	18° 3'23	19°45	24°30	1°36	18°45	21°34	14°11	21°19	6° 3	7°56	14° 6	15°25	26°35	12°55
S 10	7 14 53	19° 4'33	3♁ 0	25°26	2°33	18°53	21°32	14°17	21°22	6° 2	7°56	13°56	15°21	26°41	12°56
S 11	7 18 49	20° 5'42	16° 2	26°25	3°30	19° 0	21°31	14°24	21°24	6° 1	7°R56	13°46	15°18	26°48	12°57
M12	7 22 46	21° 6'51	28°48	27°27	4°27	19° 7	21°30	14°31	21°26	6° 0	7°56	13°37	15°15	26°55	12°58
T 13	7 26 42	22° 7'59	11♁19	28°32	5°26	19°13	21°29	14°38	21°29	5°59	7°56	13°30	15°12	27° 1	12°59
W14	7 30 39	23° 9'07	23°36	29°39	6°24	19°18	21°29	14°45	21°31	5°58	7°56	13°25	15° 9	27° 8	13° 1
T 15	7 34 36	24°10'14	5♁40	0♁49	7°23	19°22	21°28	14°52	21°33	5°57	7°56	13°23	15° 5	27°14	13° 2
F 16	7 38 32	25°11'20	17°34	2° 0	8°23	19°26	21°D28	14°58	21°35	5°56	7°56	13°D23	15° 2	27°21	13° 3
S 17	7 42 29	26°12'25	29°22	3°13	9°23	19°29	21°28	15° 5	21°37	5°55	7°55	13°24	14°59	27°28	13° 4
S 18	7 46 25	27°13'30	11♁10	4°28	10°23	19°32	21°28	15°12	21°39	5°54	7°55	13°25	14°56	27°34	13° 6
M19	7 50 22	28°14'33	23° 1	5°45	11°24	19°33	21°29	15°19	21°41	5°53	7°55	13°R26	14°53	27°41	13° 7
T 20	7 54 18	29°15'35	5♁ 1	7° 3	12°25	19°34	21°30	15°26	21°43	5°52	7°54	13°26	14°50	27°48	13° 9
W21	7 58 15	0♁16'37	17°16	8°22	13°27	19°R35	21°30	15°33	21°45	5°51	7°54	13°25	14°46	27°54	13°10
T 22	8 2 11	1°17'37	29°50	9°43	14°29	19°34	21°31	15°40	21°47	5°50	7°54	13°21	14°43	28° 1	13°12
F 23	8 6 8	2°18'37	12♁47	11° 4	15°31	19°33	21°33	15°48	21°49	5°50	7°53	13°16	14°40	28° 8	13°14
S 24	8 10 5	3°19'35	26° 9	12°27	16°34	19°31	21°34	15°55	21°51	5°49	7°53	13° 9	14°37	28°14	13°15
S 25	8 14 1	4°20'32	9♁56	13°51	17°37	19°28	21°36	16° 2	21°53	5°48	7°52	13° 3	14°34	28°21	13°17
M26	8 17 58	5°21'28	24° 5	15°15	18°40	19°24	21°38	16° 9	21°54	5°48	7°52	12°56	14°31	28°28	13°19
T 27	8 21 54	6°22'23	8♁33	16°41	19°43	19°20	21°40	16°16	21°56	5°47	7°51	12°51	14°27	28°34	13°21
W28	8 25 51	7°23'17	23°13	18° 8	20°47	19°15	21°42	16°23	21°57	5°46	7°51	12°48	14°24	28°41	13°22
T 29	8 29 47	8°24'10	7♁58	19°35	21°51	19° 9	21°44	16°30	21°59	5°46	7°50	12°D47	14°21	28°48	13°24
F 30	8 33 44	9°25'02	22°41	21° 3	22°56	19° 2	21°47	16°37	22° 0	5°45	7°50	12°47	14°18	28°54	13°26
S 31	8 37 40	10♁25'53	7♁15	22♁32	24♁ 1	18♁54	21♁50	16♁45	22♁ 2	5♁45	7♁49	12♁48	14♁15	29♁ 1	13♁28

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23s 6	13n22	1n25	20s10	2n56	15s11	3n50	7n48	3n 2	17n22	0s56	17s48	0s59	17s44	0n18	19n47	1s37	12n22	16n54	6s 6	5s36	0s54	6n21	1n23
F 2	23 2	6 58	0 10	20 17	2 50	15 22	3 51	7 44	3 4	17 21	0 56	17 46	0 59	17 45	0 18	19 47	1 37	12 23	16 55	6 6	5 37	0 51	6 21	1 23
S 3	22 56	0 15	1s 6	20 25	2 43	15 34	3 52	7 41	3 5	17 21	0 55	17 44	0 59	17 46	0 18	19 47	1 37	12 23	16 55	6 6	5 38	0 47	6 21	1 23
S 4	22 51	6s27	2 16	20 35	2 36	15 45	3 52	7 38	3 7	17 20	0 55	17 42	0 59	17 46	0 18	19 46	1 37	12 24	16 56	6 6	5 39	0 44	6 21	1 23
M 5	22 45	12 46	3 19	20 45	2 27	15 57	3 52	7 36	3 9	17 20	0 55	17 40	0 59	17 47	0 18	19 46	1 37	12 24	16 57	6 6	5 41	0 41	6 21	1 23
T 6	22 38	18 24	4 9	20 56	2 19	16 9	3 52	7 33	3 11	17 20	0 55	17 38	0 59	17 48	0 18	19 46	1 37	12 25	16 57	6 7	5 42	0 37	6 22	1 22
W 7	22 31	23 2	4 44	21 7	2 10	16 21	3 52	7 31	3 12	17 19	0 54	17 36	0 59	17 48	0 18	19 46	1 37	12 25	16 58	6 9	5 43	0 34	6 22	1 22
T 8	22 23	26 21	5 2	21 19	2 1	16 33	3 52	7 29	3 14	17 19	0 54	17 35	0 59	17 49	0 18	19 46	1 37	12 26	16 58	6 12	5 44	0 30	6 22	1 22
F 9	22 15	28 7	5 3	21 30	1 52	16 44	3 51	7 28	3 16	17 19	0 54	17 33	0 59	17 50	0 18	19 46	1 37	12 26	16 59	6 16	5 46	0 27	6 22	1 22
S 10	22 7	28 15	4 48	21 42	1 42	16 56	3 50	7 26	3 18	17 19	0 54	17 31	0 59	17 50	0 18	19 45	1 37	12 27	17 0	6 20	5 47	0 23	6 22	1 22
S 11	21 58	26 47	4 19	21 53	1 33	17 8	3 50	7 25	3 20	17 19	0 53	17 29	0 59	17 51	0 18	19 45	1 37	12 27	17 0	6 24	5 48	0 20	6 23	1 22
M12	21 49	23 57	3 36	22 4	1 24	17 19	3 48	7 24	3 21	17 19	0 53	17 27	0 59	17 51	0 18	19 45	1 37	12 28	17 1	6 27	5 49	0 16	6 23	1 21
T 13	21 39	20 2	2 44	22 14	1 14	17 31	3 47	7 23	3 23	17 19	0 53	17 25	0 59	17 52	0 18	19 45	1 37	12 28	17 1	6 30	5 51	0 13	6 23	1 21
W14	21 29	15 19	1 45	22 24	1 5	17 42	3 46	7 23	3 25	17 19	0 52	17 23	0 59	17 53	0 18	19 45	1 37	12 29	17 2	6 32	5 52	0 10	6 23	1 21
T 15	21 19	10 6	0 42	22 33	0 56	17 53	3 44	7 23	3 27	17 19	0 52	17 21	0 59	17 53	0 18	19 45	1 37	12 29	17 2	6 32	5 53	0 6	6 24	1 21
F 16	21 8	4 34	0n23	22 41	0 47	18 4	3 43	7 23	3 29	17 19	0 52	17 19	0 59	17 54	0 18	19 45	1 37	12 30	17 3	6 33	5 54	0 3	6 24	1 21
S 17	20 57	1n 3	1 26	22 49	0 38	18 15	3 41	7 23	3 30	17 20	0 52	17 17	0 59	17 54	0 18	19 44	1 37	12 31	17 4	6 32	5 55	0n 1	6 25	1 21
S 18	20 45	6 38	2 25	22 55	0 29	18 26	3 39	7 24	3 32	17 20	0 51	17 15	0 59	17 55	0 18	19 44	1 37	12 31	17 4	6 32	5 57	0 4	6 25	1 21
M19	20 33	12 1	3 18	23 1	0 20	18 36	3 37	7 25	3 34	17 20	0 51	17 13	0 59	17 55	0 18	19 44	1 37	12 32	17 5	6 31	5 58	0 8	6 25	1 20
T 20	20 20	17 2	4 3	23 6	0 12	18 46	3 35	7 26	3 36	17 21	0 51	17 11	0 59	17 56	0 18	19 44	1 37	12 32	17 5	6 31	5 59	0 11	6 26	1 20
W21	20 7	21 28	4 39	23 10	0 3	18 56	3 32	7 28	3 38	17 21	0 51	17 9	0 59	17 56	0 18	19 44	1 36	12 33	17 6	6 32	6 0	0 14	6 26	1 20
T 22	19 54	25 3	5 2	23 12	0s 5	19 6	3 30	7 30	3 39	17 22	0 50	17 7	0 59	17 57	0 18	19 44	1 36	12 34	17 6	6 33	6 2	0 18	6 27	1 20
F 23	19 41	27 29	5 10	23 14	0 13	19 15	3 27	7 32	3 41	17 22	0 50	17 4	1 0	17 57	0 18	19 44	1 36	12 34	17 7	6 35	6 3	0 21	6 27	1 20
S 24	19 27	28 27	5 2	23 14	0 21	19 24	3 25	7 34	3 43	17 23	0 50	17 2	1 0	17 58	0 18	19 44	1 36	12 35	17 8	6 38	6 4	0 25	6 28	1 20
S 25	19 12	27 43	4 37	23 14	0 28	19 33	3 22	7 37	3 45	17 24	0 49	17 0	1 0	17 58	0 18	19 44	1 36	12 36	17 8	6 40	6 5	0 28	6 28	1 19
M26	18 58	25 10	3 54	23 12	0 36	19 41	3 19	7 40	3 46	17 24	0 49	16 58	1 0	17 59	0 18	19 44	1 36	12 36	17 9	6 43	6 6	0 32	6 29	1 19
T 27	18 43	20 59	2 56	23 8	0 43	19 49	3 16	7 43	3 48	17 25	0 49	16 56	1 0	17 59	0 18	19 44	1 36	12 37	17 9	6 45	6 8	0 35	6 29	1 19
W28	18 27	15 27	1 45	23 4	0 50	19 57	3 13	7 47	3 50	17 26	0 49	16 54	1 0	17 59	0 18	19 44	1 36	12 38	17 10	6 46	6 9	0 39	6 30	1 19
T 29	18 11	9 0	0																					

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 41 37	11 ^h 26'44"	21 ^h 53'	24 ^h 32'	25 ^h 27'	18 ^h R46	21 ^h 53'	16 ^h 52'	22 ^h M 3	5 ^h R44	7 ^h R48	12 ^h K50	14 ^h K11	29 ^h K 7	13 ^h Y31
M 2	8 45 34	12 ^h 27'33"	5 ^h M45	25 ^h 33'	26 ^h 11'	18 ^h M37	21 ^h 56'	16 ^h 59'	22 ^h 5	5 ^h II44	7 ^h 47	12 ^h 51	14 ^h 8	29 ^h 14	13 ^h 33
T 3	8 49 30	13 ^h 28'22"	19 ^h 37'	27 ^h 4	27 ^h 16'	18 ^h 27	22 ^h 0	17 ^h 6	22 ^h 6	5 ^h 43	7 ^h 47	12 ^h R51	14 ^h 5	29 ^h 21	13 ^h 35
W 4	8 53 27	14 ^h 29'10"	3 ^h X12	28 ^h 36'	28 ^h 22'	18 ^h 16	22 ^h 3	17 ^h 13	22 ^h 7	5 ^h 43	7 ^h 46	12 ^h 50	14 ^h 2	29 ^h 27	13 ^h 37
T 5	8 57 23	15 ^h 29'56"	16 ^h 33'	0 ^h 10	29 ^h 28'	18 ^h 5	22 ^h 7	17 ^h 21	22 ^h 8	5 ^h 42	7 ^h 45	12 ^h 47	13 ^h 59	29 ^h 34	13 ^h 39
F 6	9 1 20	16 ^h 30'42"	29 ^h 38'	1 ^h 43	0 ^h 34	17 ^h 53	22 ^h 11	17 ^h 28	22 ^h 9	5 ^h 42	7 ^h 44	12 ^h 43	13 ^h 56	29 ^h 41	13 ^h 42
S 7	9 5 16	17 ^h 31'27"	12 ^h 30'	3 ^h 18	1 ^h 40	17 ^h 40	22 ^h 15	17 ^h 35	22 ^h 10	5 ^h 42	7 ^h 43	12 ^h 39	13 ^h 52	29 ^h 47	13 ^h 44
S 8	9 9 13	18 ^h 32'10"	25 ^h 9	4 ^h 54	2 ^h 47	17 ^h 26	22 ^h 20	17 ^h 42	22 ^h 11	5 ^h 41	7 ^h 42	12 ^h 35	13 ^h 49	29 ^h 54	13 ^h 46
M 9	9 13 9	19 ^h 32'52"	7 ^h 36'	6 ^h 30	3 ^h 54	17 ^h 11	22 ^h 24	17 ^h 49	22 ^h 12	5 ^h 41	7 ^h 41	12 ^h 31	13 ^h 46	0 ^h Y 1	13 ^h 49
T 10	9 17 6	20 ^h 33'33"	19 ^h 52'	8 ^h 7	5 ^h 0	16 ^h 56	22 ^h 29	17 ^h 57	22 ^h 13	5 ^h 41	7 ^h 40	12 ^h 28	13 ^h 43	0 ^h 7	13 ^h 51
W 11	9 21 3	21 ^h 34'12"	1 ^h K58	9 ^h 45	6 ^h 7	16 ^h 40	22 ^h 34	18 ^h 4	22 ^h 14	5 ^h 41	7 ^h 39	12 ^h 27	13 ^h 40	0 ^h 14	13 ^h 54
T 12	9 24 59	22 ^h 34'50"	13 ^h 55'	11 ^h 24	7 ^h 15	16 ^h 23	22 ^h 39	18 ^h 11	22 ^h 15	5 ^h 41	7 ^h 38	12 ^h D26	13 ^h 37	0 ^h 21	13 ^h 57
F 13	9 28 56	23 ^h 35'26"	25 ^h 46'	13 ^h 4	8 ^h 22	16 ^h 6	22 ^h 44	18 ^h 18	22 ^h 16	5 ^h 41	7 ^h 37	12 ^h 27	13 ^h 33	0 ^h 27	13 ^h 59
S 14	9 32 52	24 ^h 36'00"	7 ^h Y33	14 ^h 44	9 ^h 30	15 ^h 48	22 ^h 50	18 ^h 26	22 ^h 16	5 ^h 41	7 ^h 36	12 ^h 28	13 ^h 30	0 ^h 34	14 ^h 2
S 15	9 36 49	25 ^h 36'33"	19 ^h 21'	16 ^h 26	10 ^h 37	15 ^h 29	22 ^h 55	18 ^h 33	22 ^h 17	5 ^h D40	7 ^h 35	12 ^h 30	13 ^h 27	0 ^h 41	14 ^h 5
M 16	9 40 45	26 ^h 37'04"	1 ^h X12	18 ^h 8	11 ^h 45	15 ^h 10	23 ^h 1	18 ^h 40	22 ^h 18	5 ^h 40	7 ^h 34	12 ^h 31	13 ^h 24	0 ^h 47	14 ^h 7
T 17	9 44 42	27 ^h 37'33"	13 ^h 11'	19 ^h 52	12 ^h 53	14 ^h 51	23 ^h 7	18 ^h 47	22 ^h 18	5 ^h 41	7 ^h 33	12 ^h 32	13 ^h 21	0 ^h 54	14 ^h 10
W 18	9 48 38	28 ^h 38'01"	25 ^h 24'	21 ^h 36	14 ^h 1	14 ^h 30	23 ^h 13	18 ^h 54	22 ^h 18	5 ^h 41	7 ^h 32	12 ^h R33	13 ^h 17	1 ^h 1	14 ^h 13
T 19	9 52 35	29 ^h 38'26"	7 ^h II53	23 ^h 21	15 ^h 10	14 ^h 9	23 ^h 19	19 ^h 1	22 ^h 19	5 ^h 41	7 ^h 30	12 ^h 33	13 ^h 14	1 ^h 7	14 ^h 16
F 20	9 56 32	0 ^h K38'50	20 ^h 45'	25 ^h 7	16 ^h 18	13 ^h 48	23 ^h 26	19 ^h 8	22 ^h 19	5 ^h 41	7 ^h 29	12 ^h 32	13 ^h 11	1 ^h 14	14 ^h 19
S 21	10 0 28	1 ^h 39'11"	4 ^h 2 2	26 ^h 54	17 ^h 27	13 ^h 27	23 ^h 32	19 ^h 16	22 ^h 20	5 ^h 41	7 ^h 28	12 ^h 31	13 ^h 8	1 ^h 21	14 ^h 21
S 22	10 4 25	2 ^h 39'31"	17 ^h 46'	28 ^h 42	18 ^h 35	13 ^h 5	23 ^h 39	19 ^h 23	22 ^h 20	5 ^h 41	7 ^h 27	12 ^h 30	13 ^h 5	1 ^h 27	14 ^h 24
M 23	10 8 21	3 ^h 39'49"	1 ^h Q56	0 ^h K32	19 ^h 44	12 ^h 42	23 ^h 46	19 ^h 30	22 ^h 20	5 ^h 41	7 ^h 25	12 ^h 29	13 ^h 2	1 ^h 34	14 ^h 27
T 24	10 12 18	4 ^h 40'05"	16 ^h 31'	2 ^h 22	20 ^h 53	12 ^h 19	23 ^h 53	19 ^h 37	22 ^h 20	5 ^h 42	7 ^h 24	12 ^h 28	12 ^h 58	1 ^h 40	14 ^h 30
W 25	10 16 14	5 ^h 40'18"	1 ^h M24	4 ^h 13	22 ^h 2	11 ^h 56	24 ^h 0	19 ^h 44	22 ^h 20	5 ^h 42	7 ^h 23	12 ^h 27	12 ^h 55	1 ^h 47	14 ^h 33
T 26	10 20 11	6 ^h 40'30"	16 ^h 28'	6 ^h 5	23 ^h 11	11 ^h 33	24 ^h 8	19 ^h 51	22 ^h R20	5 ^h 42	7 ^h 21	12 ^h D27	12 ^h 52	1 ^h 54	14 ^h 37
F 27	10 24 7	7 ^h 40'41"	1 ^h Q34	7 ^h 57	24 ^h 21	11 ^h 10	24 ^h 15	19 ^h 58	22 ^h 20	5 ^h 43	7 ^h 20	12 ^h 27	12 ^h 49	2 ^h 0	14 ^h 40
S 28	10 28 4	8 ^h 40'49"	16 ^h 34'	9 ^h 51	25 ^h 30	10 ^h 46	24 ^h 23	20 ^h 5	22 ^h 20	5 ^h 43	7 ^h 19	12 ^h 28	12 ^h 46	2 ^h 7	14 ^h 43
S 29	10 32 1	9 ^h K40'56	1 ^h M18	11 ^h K46	26 ^h 39	10 ^h M23	24 ^h S30	20 ^h 12	22 ^h M20	5 ^h II44	7 ^h 17	12 ^h K28	12 ^h K43	2 ^h Y14	14 ^h Y46

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	17s22	11s29	3s17	22s34	1s15	20s23	3n 0	8n 4	3n56	17n30	0s48	16s46	1s 0	18s 1	0n18	19n43	1s36	12n41	17n12	6s45	6s14	0n52	6n33	1n18
M 2	17 6 17	23 4 10	22 23 1	20 20 29	2 57 8	9 3 58	17 31 0	47 16 43	1 0 18	1 0 18	19 43 1	36 12 42	17 12 6	45 6 15	0 56 6	33 1 18								
T 3	16 48 22	17 4 48	22 11 1	26 20 34	2 53 8	14 3 59	17 32 0	47 16 41	1 0 18	2 0 18	19 43 1	36 12 42	17 13 6	45 6 16	0 59 6	34 1 18								
W 4	16 31 25	53 5 9	21 57 1	31 20 39	2 49 8	20 4 1	17 33 0	47 16 39	1 0 18	2 0 18	19 43 1	36 12 43	17 13 6	45 6 18	1 3 6	35 1 18								
T 5	16 13 27	59 5 13	21 42 1	35 20 43	2 46 8	26 4 2	17 35 0	47 16 37	1 0 18	2 0 18	19 43 1	36 12 44	17 14 6	46 6 19	1 6 6	36 1 18								
F 6	15 55 28	29 5 0	21 26 1	40 20 46	2 42 8	32 4 3	17 36 0	46 16 35	1 0 18	2 0 18	19 43 1	36 12 45	17 14 6	48 6 20	1 9 6	36 1 18								
S 7	15 36 27	24 4 32	21 8 1	44 20 50	2 38 8	38 4 5	17 37 0	46 16 33	1 0 18	3 0 18	19 43 1	36 12 45	17 15 6	49 6 21	1 13 6	37 1 18								
S 8	15 18 24	56 3 52	20 49 1	48 20 52	2 35 8	45 4 6	17 39 0	46 16 31	1 0 18	3 0 18	19 43 1	35 12 46	17 15 6	51 6 22	1 16 6	38 1 18								
M 9	14 59 21	18 3 0	20 28 1	51 20 55	2 31 8	51 4 7	17 40 0	46 16 28	1 0 18	3 0 18	19 43 1	35 12 47	17 16 6	52 6 24	1 20 6	39 1 17								
T 10	14 40 16	48 2 1	20 6 1	54 20 56	2 27 8	58 4 8	17 41 0	45 16 26	1 1 18	3 0 18	19 43 1	35 12 48	17 16 6	53 6 25	1 23 6	40 1 17								
W 11	14 20 11	41 0 58	19 43 1	57 20 57	2 23 9	6 4 9	17 43 0	45 16 24	1 1 18	4 0 18	19 43 1	35 12 49	17 17 6	54 6 26	1 27 6	41 1 17								
T 12	14 1 6	13 0n 8	19 18 1	0 20 58	2 19 9	13 4 10	17 44 0	45 16 22	1 1 18	4 0 18	19 43 1	35 12 49	17 17 6	54 6 27	1 30 6	41 1 17								
F 13	13 41 0	34 1 13	18 52 2	2 20 58	2 15 9	21 4 11	17 46 0	45 16 20	1 1 18	4 0 18	19 43 1	35 12 50	17 17 6	54 6 29	1 33 6	42 1 17								
S 14	13 21 5n 4	2 15 18	24 2 3	20 58	2 11 9	29 4 12	17 48 0	44 16 18	1 1 18	4 0 18	19 44 1	35 12 51	17 18 6	53 6 30	1 37 6	43 1 17								
S 15	13 0 10	31 3 10	17 55 2	5 20 57	2 7 9	37 4 13	17 49 0	44 16 15	1 1 18	4 0 18	19 44 1	35 12 52	17 18 6	53 6 31	1 40 6	44 1 17								
M 16	12 40 15	38 3 58	17 25 2	6 20 55	2 2 9	45 4 14	17 51 0	44 16 13	1 1 18	4 0 18	19 44 1	35 12 53	17 19 6	52 6 32	1 44 6	45 1 17								
T 17	12 19 20	13 4 37	16 53 2	6 20 53	1 58 9	53 4 14	17 53 0	44 16 11	1 1 18	5 0 18	19 44 1	35 12 53	17 19 6	52 6 33	1 47 6	46 1 16								
W 18	11 58 24	2 5 3	16 19 2	6 20 51	1 54 10	1 4 15	17 54 0	43 16 9	1 1 18	5 0 18	19 44 1	35 12 54	17 20 6	52 6 35	1 51 6	47 1 16								
T 19	11 37 26	51 5 16	15 44 2	6 20 48	1 50 10	10 4 15	17 56 0	43 16 7	1 1 18	5 0 18	19 44 1	35 12 55	17 20 6	52 6 36	1 54 6	48 1 16								
F 20	11 16 28	22 5 14	15 8 2	5 20 44	1 46 10	18 4 15	17 58 0	43 16 5	1 1 18	5 0 18	19 44 1	35 12 56	17 20 6	52 6 37	1 57 6	49 1 16								
S 21	10 54 28	20 4 55	14 30 2	4 20 40	1 42 10	27 4 16	18 0 43	16 3 1	1 1 18	5 0 18	19 44 1	35 12 57	17 21 6	52 6 38	2 1 6	50 1 16								
S 22	10 33 26	35 4 19	13 51 2	2 20 35	1 37 10	36 4 16	18 0 42	16 0 1	2 18 5	0 18 19	44 1	35 12 58	17 21 6	53 6 40	2 4 6	51 1 16								
M 23	10 11 23	7 3 27	13 11 1																					

SWISS EPHEMERIS for the year 1728

MARCH 1728

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M 1	10 35 57	10♌41'02	15♍43	13♋41	27♄49	9°R59	24♃38	20♁19	22°R20	5♅44	7°R16	12♌28	12♋39	2♃20	14♃49								
T 2	10 39 54	11°41'05	29°45	15°37	28°59	9♃35	24°47	20°26	22♍19	5°45	7♁14	12°28	12°36	2°27	14°52								
W 3	10 43 50	12°41'08	13♌24	17°33	0♁8	9°12	24°55	20°33	22°19	5°45	7°13	12°28	12°33	2°34	14°56								
T 4	10 47 47	13°41'09	26°39	19°30	1°18	8°48	25°3	20°39	22°19	5°46	7°11	12°28	12°30	2°40	14°59								
F 5	10 51 43	14°41'08	9♄35	21°27	2°28	8°24	25°12	20°46	22°18	5°46	7°10	12°28	12°27	2°47	15°2								
S 6	10 55 40	15°41'05	22°12	23°25	3°38	8°1	25°20	20°53	22°18	5°47	7°8	12°29	12°23	2°54	15°6								
S 7	10 59 36	16°41'01	4♁35	25°22	4°48	7°38	25°29	21°0	22°17	5°48	7°7	12°29	12°20	3°0	15°9								
M 8	11 3 33	17°40'55	16°46	27°18	5°59	7°15	25°38	21°7	22°17	5°49	7°5	12°30	12°17	3°7	15°12								
T 9	11 7 30	18°40'47	28°48	29°14	7°9	6°52	25°47	21°13	22°16	5°49	7°4	12°30	12°14	3°14	15°16								
W10	11 11 26	19°40'37	10♌43	1♃9	8°19	6°30	25°56	21°20	22°16	5°50	7°2	12°R30	12°11	3°20	15°19								
T 11	11 15 23	20°40'25	22°34	3°3	9°30	6°8	26°5	21°26	22°15	5°51	7°1	12°30	12°8	3°27	15°23								
F 12	11 19 19	21°40'12	4♃22	4°54	10°40	5°47	26°15	21°33	22°14	5°52	6°59	12°30	12°4	3°34	15°26								
S 13	11 23 16	22°39'56	16°10	6°43	11°51	5°26	26°24	21°40	22°13	5°53	6°57	12°28	12°1	3°40	15°30								
S 14	11 27 12	23°39'38	28°0	8°30	13°1	5°5	26°34	21°46	22°12	5°54	6°56	12°27	11°58	3°47	15°33								
M15	11 31 9	24°39'18	9♄55	10°14	14°12	4°45	26°44	21°53	22°12	5°54	6°54	12°25	11°55	3°54	15°37								
T 16	11 35 5	25°38'56	21°57	11°53	15°23	4°26	26°53	21°59	22°11	5°55	6°52	12°23	11°52	4°0	15°40								
W17	11 39 2	26°38'31	4♅10	13°29	16°33	4°7	27°3	22°5	22°10	5°56	6°51	12°22	11°48	4°7	15°44								
T 18	11 42 58	27°38'04	16°38	15°0	17°44	3°49	27°13	22°12	22°8	5°57	6°49	12°21	11°45	4°14	15°47								
F 19	11 46 55	28°37'36	29°25	16°27	18°55	3°31	27°24	22°18	22°7	5°59	6°48	12°D20	11°42	4°20	15°51								
S 20	11 50 52	29°37'04	12♄34	17°47	20°6	3°14	27°34	22°24	22°6	6°0	6°46	12°21	11°39	4°27	15°54								
S 21	11 54 48	0♃36'31	26°7	19°2	21°17	2°58	27°44	22°31	22°5	6°1	6°44	12°22	11°36	4°33	15°58								
M22	11 58 45	1°35'55	10♁8	20°11	22°28	2°43	27°55	22°37	22°4	6°2	6°43	12°23	11°33	4°40	16°2								
T 23	12 2 41	2°35'16	24°34	21°14	23°39	2°28	28°5	22°43	22°2	6°3	6°41	12°24	11°29	4°47	16°5								
W24	12 6 38	3°34'36	9♃23	22°10	24°50	2°14	28°16	22°49	22°1	6°4	6°39	12°R25	11°26	4°53	16°9								
T 25	12 10 34	4°33'53	24°29	22°59	26°2	2°0	28°27	22°55	22°0	6°6	6°38	12°25	11°23	5°0	16°13								
F 26	12 14 31	5°33'08	9♁44	23°41	27°13	1°48	28°38	23°1	21°58	6°7	6°36	12°23	11°20	5°7	16°16								
S 27	12 18 27	6°32'21	24°57	24°16	28°24	1°36	28°49	23°7	21°57	6°8	6°34	12°21	11°17	5°13	16°20								
S 28	12 22 24	7°31'32	9♍59	24°43	29°36	1°25	29°0	23°13	21°55	6°9	6°33	12°17	11°14	5°20	16°24								
M29	12 26 21	8°30'41	24°41	25°3	0♌47	1°15	29°11	23°18	21°54	6°11	6°31	12°14	11°10	5°27	16°27								
T 30	12 30 17	9°29'48	8♄58	25°17	1°58	1°5	29°22	23°24	21°52	6°12	6°29	12°10	11°7	5°33	16°31								
W31	12 34 14	10♃28'54	22♌46	25°R22	3♌10	0♃56	29♄33	23♁30	21♍50	6♅14	6♁28	12♌8	11♋4	5♃40	16♃35								

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	7s34	21s 6	4s44	7s48	1s30	19s36	1n 3	11n45	4n13	18n18	0s41	15s43	1s 2	18s 5	0n19	19n45	1s34	13n 4	17n24	6s54	6s49	2n32	7n 0	1n15
T 2	7 12 25	10 5 10	6 58	1 23	19 26	0 59	11 53	4 12	18 20	0 40	15 41	1 2	18 5	0 19	19 45	1 34	13 5	17 24	6 53	6 50	2 35	7 1	1 15	
W 3	6 49 27	42 5 18	6 6	1 16	19 15	0 55	12 1	4 12	18 23	0 40	15 39	1 2	18 5	0 19	19 45	1 34	13 6	17 24	6 53	6 52	2 38	7 2	1 15	
T 4	6 26 28	34 5 8	5 13	1 8	19 4	0 51	12 9	4 11	18 25	0 40	15 37	1 3	18 5	0 19	19 46	1 34	13 7	17 25	6 53	6 53	2 42	7 3	1 14	
F 5	6 2 27	50 4 43	4 19	1 0	18 53	0 47	12 17	4 10	18 27	0 40	15 35	1 3	18 5	0 19	19 46	1 34	13 8	17 25	6 53	6 54	2 45	7 5	1 14	
S 6	5 39 25	40 4 5	3 24	0 51	18 41	0 43	12 25	4 8	18 29	0 40	15 33	1 3	18 4	0 19	19 46	1 34	13 8	17 25	6 53	6 55	2 49	7 6	1 14	
S 7	5 16 22	19 3 16	2 29	0 42	18 28	0 39	12 32	4 7	18 32	0 39	15 31	1 3	18 4	0 19	19 46	1 34	13 9	17 25	6 53	6 57	2 52	7 7	1 14	
M 8	4 53 18	2 2 18	1 33	0 32	18 15	0 34	12 40	4 6	18 34	0 39	15 29	1 3	18 4	0 19	19 46	1 34	13 10	17 26	6 53	6 58	2 55	7 8	1 14	
T 9	4 29 13	5 1 15	0 37	0 21	18 1	0 30	12 47	4 4	18 36	0 39	15 27	1 3	18 4	0 19	19 46	1 34	13 11	17 26	6 53	6 59	2 59	7 9	1 14	
W10	4 6 7	43 0 10	0n18	0 10	17 47	0 26	12 54	4 3	18 39	0 39	15 25	1 3	18 4	0 19	19 47	1 34	13 12	17 26	6 53	7 0	3 2	7 11	1 14	
T 11	3 42 2 6	0n56	1 14	0n 1	17 33	0 22	13 0	4 1	18 41	0 39	15 23	1 3	18 4	0 19	19 47	1 34	13 12	17 26	6 53	7 1	3 6	7 12	1 14	
F 12	3 19 3n33	1 58	2 9	0 13	17 18	0 18	13 7	4 0	18 43	0 38	15 21	1 3	18 3	0 19	19 47	1 33	13 13	17 26	6 53	7 3	3 9	7 13	1 14	
S 13	2 55 9 5	2 56	3 4	0 25	17 2	0 15	13 13	3 58	18 46	0 38	15 19	1 4	18 3	0 19	19 47	1 33	13 14	17 27	6 53	7 4	3 12	7 14	1 14	
S 14	2 31 14 18	3 46	3 57	0 38	16 46	0 11	13 19	3 56	18 48	0 38	15 17	1 4	18 3	0 19	19 47	1 33	13 15	17 27	6 54	7 5	3 16	7 16	1 13	
M15	2 8 19 2	4 27	4 50	0 50	16 29	0 7	13 25	3 54	18 51	0 38	15 15	1 4	18 3	0 19	19 48	1 33	13 16	17 27	6 55	7 6	3 19	7 17	1 13	
T 16	1 44 23 3	4 57	5 41	1 3	16 12	0 3	13 30	3 52	18 53	0 38	15 13	1 4	18 2	0 19	19 48	1 33	13 16	17 27	6 55	7 7	3 23	7 18	1 13	
W17	1 20 26 8	5 13	6 30	1 16	15 55	0s 1	13 35	3 50	18 56	0 37	15 11	1 4	18 2	0 19	19 48	1 33	13 17	17 27	6 56	7 9	3 26	7 19	1 13	
T 18	0 57 28 2	5 16	7 17	1 28	15 37	0 4	13 40	3 48	18 58	0 37	15 9	1 4	18 2	0 19	19 48	1 33	13 18	17 27	6 56	7 10	3 29	7 21	1 13	
F 19	0 33 28 31	5 3 8	2 1	41 15	18 0	0 8	13 44	3 46	19 1	0 37	15 7	1 4	18 2	0 19	19 49	1 33	13 19	17 28	6 57	7 11	3 33	7 22	1 13	
S 20	0 9 27 25	4 34 8 44	1 53	14 59	0 12	13 48	3 43	19 3	0 37	15 5	1 4	18 1	0 19	19 49	1 33	13 19	17 28	6 56	7 12	3 36	7 23	1 13		
S 21	0n15 24 42	3 49 9 23	2 5	14 40	0 15	13 52	3 41	19 6	0 37	15 3	1 5	18 1	0 19	19 49	1 33	13 20	17 28	6 56	7 14	3 40	7 25	1 13		
M22	0 38 20 27	2 49 10 0	2 16	14 20	0 19	13 55	3 39	19 8	0 36	15 1	1 5	18 1	0 19	19 49	1 33	13 21	17 28	6 55	7 15	3 43	7 26	1 13		
T 23	1 2 14 53	1 37 10 33	2 26	14 0	0 22	13 59	3 37	19 11	0 36	14 59	1 5	18 0	0 19	19 50	1 33	13 22	17 28	6 55	7 16	3 46	7 27	1 13		
W24	1 25 8 19	0 17 11 3	2 36	13 40	0 25	14 2	3 34	19 13	0 36	14 57	1 5	18 0	0 19	19 50	1 33	13 22	17 28	6 55	7 17	3 50	7 29	1 13		
T 25	1 49 1 11	1s 6	11 30	2 45	13 19	0 29	14 4	3 32	19 16	0 36	14 55	1 5	18 0	0 19	19 50	1 33	13 23	17 28	6 55	7 18	3 53	7 30	1 12	
F 26	2 13 6s 5	2 25 11 53	2 53	12 57	0 32	14 6	3 29	19 18	0 36	14 54	1 5	17 59	0 19	19 50	1 33	13 24	17 28	6 55	7 20	3 57	7 31	1 12		
S 27	2 36 12 59	3 33 12 13	3 0	12 36	0 35	14 8	3 27	19 21	0 36	14 52	1 5	17 59	0 19	19 51	1 33	13 24	17 28	6 56	7 21	4 0	7 33	1 12		
S 28	2 59 19 2	4 26 12 28	3 6	12 14	0 38	14 10	3 24	19 23	0 35	14 50	1 5	17 58	0 19	19 51	1 33	13 25	17 28	6 58	7 22	4 3	7 34	1 12		
M29	3 23 23 49	5 0 12 40	3 11	11 51	0 41	14 11	3 22	19 26	0 35	14 48	1 6	17 58	0 19	19 51	1 33	13 26	17 2							

SWISS EPHEMERIS for the year 1728

APRIL 1728

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T 1	12 38 10	11°27'58	6♁ 7	25°R21	4♁21	0°R48	29♁45	23♁36	21°R49	6♁15	6°R26	12°D 7	11♁ 1	5°Y47	16°Y39									
F 2	12 42 7	12°27'00	19° 2	25°Y14	5°33	0°M41	29°56	23°41	21°M47	6°17	6♁24	12°X 7	10°58	5°53	16°42									
S 3	12 46 3	13°26'01	1♁35	25° 0	6°44	0°35	0°II 8	23°47	21°45	6°18	6°23	12° 8	10°54	6° 0	16°46									
S 4	12 50 0	14°25'00	13°51	24°39	7°56	0°29	0°20	23°52	21°44	6°20	6°21	12°10	10°51	6° 7	16°50									
M 5	12 53 56	15°23'56	25°53	24°14	9° 8	0°24	0°31	23°57	21°42	6°21	6°19	12°11	10°48	6°13	16°53									
T 6	12 57 53	16°22'51	7♁47	23°43	10°19	0°20	0°43	24° 3	21°40	6°23	6°18	12°R12	10°45	6°20	16°57									
W 7	13 1 50	17°21'44	19°36	23° 9	11°31	0°17	0°55	24° 8	21°38	6°24	6°16	12°12	10°42	6°27	17° 1									
T 8	13 5 46	18°20'35	1°Y23	22°30	12°43	0°14	1° 7	24°13	21°36	6°26	6°14	12°10	10°39	6°33	17° 5									
F 9	13 9 43	19°19'25	13°11	21°49	13°55	0°13	1°19	24°18	21°34	6°27	6°13	12° 7	10°35	6°40	17° 8									
S 10	13 13 39	20°18'12	25° 2	21° 7	15° 7	0°12	1°31	24°24	21°32	6°29	6°11	12° 1	10°32	6°47	17°12									
S 11	13 17 36	21°16'57	6♁58	20°23	16°18	0°D11	1°43	24°29	21°30	6°31	6° 9	11°54	10°29	6°53	17°16									
M12	13 21 32	22°15'40	19° 0	19°38	17°30	0°12	1°56	24°33	21°28	6°33	6° 8	11°47	10°26	7° 0	17°20									
T 13	13 25 29	23°14'22	1♁11	18°55	18°42	0°13	2° 8	24°38	21°26	6°34	6° 6	11°39	10°23	7° 7	17°23									
W14	13 29 25	24°13'01	13°32	18°13	19°54	0°15	2°20	24°43	21°24	6°36	6° 5	11°33	10°20	7°13	17°27									
T 15	13 33 22	25°11'38	26° 5	17°32	21° 6	0°18	2°33	24°48	21°22	6°38	6° 3	11°27	10°16	7°20	17°31									
F 16	13 37 19	26°10'13	8♁53	16°55	22°18	0°21	2°45	24°53	21°19	6°40	6° 2	11°24	10°13	7°27	17°34									
S 17	13 41 15	27° 8'45	21°59	16°21	23°30	0°25	2°58	24°57	21°17	6°41	6° 0	11°D22	10°10	7°33	17°38									
S 18	13 45 12	28° 7'16	5♁25	15°50	24°42	0°30	3°11	25° 2	21°15	6°43	5°59	11°22	10° 7	7°40	17°42									
M19	13 49 8	29° 5'44	19°13	15°24	25°54	0°35	3°23	25° 6	21°13	6°45	5°57	11°23	10° 4	7°47	17°45									
T 20	13 53 5	0♁ 4'10	3♁24	15° 2	27° 6	0°42	3°36	25°10	21°10	6°47	5°56	11°24	10° 0	7°53	17°49									
W21	13 57 1	1° 2'34	17°58	14°45	28°18	0°48	3°49	25°15	21° 8	6°49	5°54	11°R24	9°57	8° 0	17°53									
T 22	14 0 58	2° 0'55	2♁51	14°32	29°30	0°56	4° 2	25°19	21° 6	6°51	5°53	11°23	9°54	8° 7	17°56									
F 23	14 4 54	2°59'15	17°57	14°25	0°Y42	1° 4	4°14	25°23	21° 4	6°53	5°51	11°19	9°51	8°13	18° 0									
S 24	14 8 51	3°57'33	3♁ 7	14°D22	1°54	1°12	4°27	25°27	21° 1	6°55	5°50	11°13	9°48	8°20	18° 4									
S 25	14 12 48	4°55'49	18°10	14°25	3° 7	1°22	4°40	25°31	20°59	6°56	5°48	11° 5	9°45	8°27	18° 7									
M26	14 16 44	5°54'03	2♁58	14°32	4°19	1°32	4°53	25°35	20°56	6°58	5°47	10°56	9°41	8°33	18°11									
T 27	14 20 41	6°52'16	17°23	14°44	5°31	1°42	5° 6	25°39	20°54	7° 0	5°46	10°48	9°38	8°40	18°14									
W28	14 24 37	7°50'27	1♁20	15° 1	6°43	1°53	5°20	25°43	20°52	7° 2	5°44	10°42	9°35	8°47	18°18									
T 29	14 28 34	8°48'37	14°47	15°22	7°55	2° 4	5°33	25°46	20°49	7° 4	5°43	10°37	9°32	8°53	18°22									
F 30	14 32 30	9♁46'45	27♁47	15°Y48	9°Y 8	2°M17	5♁46	25°50	20°M47	7♁ 6	5♁42	10♁34	9♁29	9°Y 0	18°Y25									

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n33	28s 7	4s47	12n52	3n17	10s42	0s50	14n14	3n14	19n34	0s35	14s43	1s 6	17s57	0n19	19n52	1s32	13n28	17n28	7s 2	7s27	4n17	7n39	1n12
F 2	4 56	26 16	4 11	12 49	3 16	10 19	0 53	14 14	3 12	19 36	0 35	14 41	1 6	17 56	0 19	19 52	1 32	13 28	17 28	7 2	7 28	4 20	7 41	1 12
S 3	5 19	23 10	3 24	12 41	3 13	9 55	0 56	14 14	3 9	19 39	0 34	14 40	1 6	17 56	0 19	19 53	1 32	13 29	17 28	7 1	7 29	4 24	7 42	1 12
S 4	5 42	19 5	2 29	12 30	3 9	9 31	0 58	14 13	3 6	19 42	0 34	14 38	1 6	17 55	0 19	19 53	1 32	13 29	17 28	7 1	7 30	4 27	7 44	1 12
M 5	6 4	14 18	1 28	12 15	3 4	9 6	1 1	14 13	3 4	19 44	0 34	14 36	1 7	17 55	0 19	19 53	1 32	13 30	17 28	7 0	7 32	4 30	7 45	1 12
T 6	6 27	9 2	0 24	11 57	2 56	8 41	1 3	14 12	3 1	19 47	0 34	14 35	1 7	17 54	0 19	19 54	1 32	13 31	17 28	7 0	7 33	4 34	7 46	1 11
W 7	6 50	3 30	0n40	11 36	2 48	8 16	1 6	14 10	2 59	19 50	0 34	14 33	1 7	17 54	0 19	19 54	1 32	13 31	17 28	7 0	7 34	4 37	7 48	1 11
T 8	7 12	2n 7	1 43	11 12	2 38	7 51	1 8	14 9	2 56	19 52	0 34	14 31	1 7	17 53	0 19	19 54	1 32	13 32	17 28	7 0	7 35	4 41	7 49	1 11
F 9	7 35	7 41	2 41	10 46	2 26	7 25	1 11	14 7	2 53	19 55	0 33	14 30	1 7	17 53	0 19	19 55	1 32	13 32	17 28	7 2	7 36	4 44	7 50	1 11
S 10	7 57	12 59	3 32	10 18	2 13	7 0	1 13	14 5	2 51	19 57	0 33	14 28	1 7	17 52	0 19	19 55	1 32	13 33	17 28	7 4	7 38	4 47	7 52	1 11
S 11	8 19	17 51	4 14	9 49	1 59	6 34	1 15	14 3	2 48	20 0	0 33	14 27	1 8	17 52	0 19	19 55	1 32	13 33	17 27	7 6	7 39	4 51	7 53	1 11
M12	8 41	22 4	4 45	9 18	1 44	6 8	1 17	14 0	2 46	20 3	0 33	14 25	1 8	17 51	0 19	19 56	1 32	13 34	17 27	7 9	7 40	4 54	7 54	1 11
T 13	9 3	25 23	5 4	8 47	1 29	5 41	1 19	13 57	2 43	20 5	0 33	14 24	1 8	17 51	0 19	19 56	1 32	13 34	17 27	7 12	7 41	4 57	7 56	1 11
W14	9 24	27 34	5 9	8 16	1 13	5 15	1 21	13 54	2 41	20 8	0 33	14 22	1 8	17 50	0 19	19 56	1 32	13 35	17 27	7 15	7 42	5 1	7 57	1 11
T 15	9 46	28 24	4 59	7 46	0 56	4 48	1 23	13 51	2 38	20 10	0 32	14 21	1 8	17 50	0 19	19 57	1 32	13 35	17 27	7 17	7 44	5 4	7 59	1 11
F 16	10 7	27 45	4 35	7 16	0 39	4 21	1 24	13 48	2 36	20 13	0 32	14 19	1 8	17 49	0 19	19 57	1 32	13 36	17 27	7 18	7 45	5 7	8 0	1 11
S 17	10 28	25 33	3 55	6 47	0 23	3 54	1 26	13 44	2 33	20 15	0 32	14 18	1 8	17 49	0 19	19 57	1 32	13 36	17 27	7 19	7 46	5 11	8 1	1 11
S 18	10 49	21 53	3 2	6 20	0 6	3 27	1 28	13 40	2 31	20 18	0 32	14 17	1 9	17 48	0 19	19 58	1 32	13 37	17 26	7 19	7 47	5 14	8 3	1 11
M19	11 10	16 56	1 57	5 54	0s11	3 0	1 29	13 36	2 28	20 21	0 32	14 15	1 9	17 47	0 19	19 58	1 32	13 37	17 26	7 18	7 48	5 18	8 4	1 11
T 20	11 31	10 57	0 43	5 31	0 27	2 32	1 31	13 31	2 26	20 23	0 32	14 14	1 9	17 47	0 19	19 58	1 32	13 37	17 26	7 18	7 50	5 21	8 5	1 11
W21	11 51	4 13	0s35	5 10	0 42	2 5	1 32	13 27	2 24	20 26	0 32	14 13	1 9	17 46	0 19	19 59	1 32	13 38	17 26	7 18	7 51	5 24	8 7	1 10
T 22	12 12	2s52	1 53	4 51	0 57	1 37	1 33	13 22	2 21	20 28	0 31	14 11	1 9	17 46	0 19	19 59	1 32	13 38	17 25	7 19	7 52	5 28	8 8	1 10
F 23	12 32	9 53	3 4	4 35	1 12	1 10	1 35	13 17	2 19	20 31	0 31	14 10	1 10	17 45	0 19	19 59	1 32	13 38	17 25	7 20	7 53	5 31	8 9	1 10
S 24	12 51	16 21	4 1	4 22	1 25	0 42	1 36	13 11	2 17	20 33	0 31	14 9	1 10	17 44	0 19	20 0	1 31	13 39	17 25	7 22	7 55	5 34	8 11	1 10

SWISS EPHEMERIS for the year 1728

MAY 1728

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Day	Sid.t	☉	☽	♀	♂	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	14 36 27	10♁44'52	10♁22	16♁17	10♁20	2♁29	5♁59	25♁53	20°R44	7♁ 9	5°R40	10°D33	9♁26	9♁ 7	18♁29									
S 2	14 40 23	11°42'57	22°38	16°51	11°32	2°42	6°13	25°57	20♁42	7°11	5♁39	10♁34	9°22	9°13	18°32									
M 3	14 44 20	12°41'01	4♁39	17°29	12°45	2°56	6°26	26° 0	20°39	7°13	5°38	10°R35	9°19	9°20	18°36									
T 4	14 48 17	13°39'03	16°30	18°11	13°57	3°10	6°39	26° 3	20°37	7°15	5°36	10°35	9°16	9°27	18°39									
W 5	14 52 13	14°37'05	28°17	18°56	15° 9	3°25	6°53	26° 6	20°34	7°17	5°35	10°33	9°13	9°33	18°43									
T 6	14 56 10	15°35'04	10♁ 4	19°45	16°22	3°40	7° 6	26° 9	20°32	7°19	5°34	10°29	9°10	9°40	18°46									
F 7	15 0 6	16°33'02	21°55	20°37	17°34	3°56	7°20	26°12	20°29	7°21	5°33	10°22	9° 6	9°47	18°49									
S 8	15 4 3	17°30'59	3♁51	21°33	18°46	4°12	7°33	26°15	20°27	7°23	5°32	10°13	9° 3	9°53	18°53									
S 9	15 7 59	18°28'54	15°56	22°31	19°59	4°28	7°47	26°18	20°24	7°25	5°31	10° 2	9° 0	10° 0	18°56									
M10	15 11 56	19°26'48	28°10	23°33	21°11	4°46	8° 0	26°21	20°22	7°27	5°29	9°50	8°57	10° 7	19° 0									
T 11	15 15 52	20°24'41	10♁35	24°37	22°24	5° 3	8°14	26°23	20°19	7°30	5°28	9°37	8°54	10°13	19° 3									
W12	15 19 49	21°22'31	23°10	25°45	23°36	5°21	8°27	26°26	20°17	7°32	5°27	9°26	8°51	10°20	19° 6									
T 13	15 23 46	22°20'21	5♁56	26°55	24°49	5°39	8°41	26°28	20°14	7°34	5°26	9°17	8°47	10°27	19° 9									
F 14	15 27 42	23°18'08	18°55	28° 8	26° 1	5°58	8°55	26°31	20°12	7°36	5°25	9°10	8°44	10°33	19°13									
S 15	15 31 39	24°15'54	2♁ 7	29°23	27°14	6°17	9° 8	26°33	20° 9	7°38	5°24	9° 6	8°41	10°40	19°16									
S 16	15 35 35	25°13'39	15°33	0♁41	28°26	6°37	9°22	26°35	20° 7	7°41	5°23	9° 4	8°38	10°47	19°19									
M17	15 39 32	26°11'21	29°16	2° 2	29°39	6°57	9°36	26°37	20° 4	7°43	5°23	9°D 4	8°35	10°53	19°22									
T 18	15 43 28	27° 9'02	13♁17	3°25	0♁51	7°17	9°50	26°39	20° 2	7°45	5°22	9°R 4	8°31	11° 0	19°25									
W19	15 47 25	28° 6'41	27°35	4°50	2° 4	7°38	10° 3	26°41	19°59	7°47	5°21	9° 3	8°28	11° 7	19°28									
T 20	15 51 21	29° 4'19	12♁ 9	6°18	3°16	7°59	10°17	26°43	19°57	7°49	5°20	9° 0	8°25	11°13	19°32									
F 21	15 55 18	0♁ 1'55	26°54	7°49	4°29	8°21	10°31	26°44	19°54	7°52	5°19	8°54	8°22	11°20	19°35									
S 22	15 59 15	0°59'30	11♁46	9°22	5°41	8°42	10°45	26°46	19°52	7°54	5°18	8°46	8°19	11°27	19°38									
S 23	16 3 11	1°57'04	26°35	10°57	6°54	9° 5	10°58	26°47	19°49	7°56	5°18	8°36	8°16	11°33	19°41									
M24	16 7 8	2°54'36	11♁13	12°34	8° 7	9°27	11°12	26°49	19°47	7°58	5°17	8°25	8°12	11°40	19°43									
T 25	16 11 4	3°52'08	25°32	14°14	9°19	9°50	11°26	26°50	19°45	8° 1	5°16	8°14	8° 9	11°47	19°46									
W26	16 15 1	4°49'38	9♁27	15°57	10°32	10°13	11°40	26°51	19°42	8° 3	5°16	8° 4	8° 6	11°53	19°49									
T 27	16 18 57	5°47'08	22°56	17°41	11°44	10°37	11°54	26°52	19°40	8° 5	5°15	7°57	8° 3	12° 0	19°52									
F 28	16 22 54	6°44'37	5♁58	19°28	12°57	11° 0	12° 8	26°53	19°37	8° 7	5°14	7°52	8° 0	12° 7	19°55									
S 29	16 26 51	7°42'04	18°36	21°18	14°10	11°24	12°22	26°54	19°35	8°10	5°14	7°50	7°57	12°13	19°58									
S 30	16 30 47	8°39'31	0♁53	23° 9	15°22	11°49	12°35	26°55	19°33	8°12	5°13	7°49	7°53	12°20	20° 0									
MB1	16 34 44	9♁36'58	12♁56	25♁ 3	16♁35	12♁13	12♁49	26♁56	19♁30	8♁14	5♁13	7♁49	7♁50	12♁27	20♁ 3									

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓								
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	15n 4	20s 9	2s34	3n59	2s38	2n33	1s41	12n29	2n 1	20n51	0s30	14s 1	1s11	17s40	0n19	20n 2	1s31	13n41	17n23	7s37	8s 3	5n58	8n20	1n10																									
S 2	15 22	15 29	1 35	4 5	2 45	3 1	1 42	12 22	1 59	20 53	0 30	14 0	1 11	17 39	0 19	20 3	1 31	13 41	17 23	7 37	8 4	6 1	8 21	1 10																									
M 3	15 40	10 19	0 32	4 14	2 51	3 28	1 42	12 15	1 57	20 55	0 30	13 59	1 11	17 39	0 19	20 3	1 31	13 41	17 22	7 37	8 5	6 4	8 22	1 10																									
T 4	15 58	4 51	0n32	4 25	2 57	3 56	1 42	12 8	1 55	20 58	0 30	13 58	1 11	17 38	0 19	20 3	1 31	13 41	17 22	7 37	8 6	6 8	8 24	1 10																									
W 5	16 15	0n45	1 33	4 38	3 1	4 24	1 43	12 1	1 52	21 0	0 30	13 58	1 12	17 37	0 19	20 4	1 31	13 42	17 22	7 37	8 8	6 11	8 25	1 10																									
T 6	16 32	6 18	2 30	4 53	3 5	4 52	1 43	11 53	1 50	21 3	0 30	13 57	1 12	17 37	0 19	20 4	1 31	13 42	17 21	7 39	8 9	6 14	8 26	1 10																									
F 7	16 49	11 40	3 21	5 9	3 8	5 19	1 43	11 46	1 48	21 5	0 30	13 56	1 12	17 36	0 19	20 4	1 31	13 42	17 21	7 41	8 10	6 18	8 28	1 10																									
S 8	17 5	16 39	4 4	5 28	3 10	5 47	1 43	11 38	1 46	21 7	0 29	13 55	1 12	17 35	0 19	20 5	1 31	13 42	17 21	7 45	8 11	6 21	8 29	1 10																									
S 9	17 21	21 2	4 36	5 48	3 12	6 14	1 43	11 30	1 44	21 9	0 29	13 54	1 12	17 35	0 19	20 5	1 31	13 42	17 20	7 49	8 12	6 24	8 30	1 10																									
M10	17 37	24 35	4 56	6 10	3 13	6 42	1 43	11 22	1 42	21 12	0 29	13 54	1 13	17 34	0 19	20 6	1 31	13 42	17 20	7 54	8 14	6 28	8 31	1 10																									
T 11	17 53	27 2	5 2	6 34	3 13	7 9	1 42	11 14	1 40	21 14	0 29	13 53	1 13	17 33	0 19	20 6	1 31	13 42	17 20	7 58	8 15	6 31	8 32	1 9																									
W12	18 8	28 11	4 53	6 59	3 12	7 36	1 42	11 5	1 38	21 16	0 29	13 52	1 13	17 33	0 19	20 6	1 31	13 42	17 19	8 3	8 16	6 34	8 34	1 9					</																				

SWISS EPHEMERIS for the year 1728

JUNE 1728

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	16 38 40	10II34'23	24K49	27B 0	17B48	12M38	13II 3	26A56	19R28	8II16	5R12	7R48	7K47	12Y33	20Y 6
W 2	16 42 37	11°31'48	6Y37	28°58	19° 1	13° 4	13°17	26°57	19M26	8°19	5A12	7K46	7°44	12°40	20° 8
T 3	16 46 33	12°29'12	18°26	0II58	20°13	13°29	13°31	26°57	19°24	8°21	5°11	7°42	7°41	12°47	20°11
F 4	16 50 30	13°26'36	0B21	3° 1	21°26	13°55	13°45	26°58	19°21	8°23	5°11	7°36	7°37	12°53	20°14
S 5	16 54 26	14°23'59	12°24	5° 5	22°39	14°21	13°59	26°58	19°19	8°25	5°11	7°26	7°34	13° 0	20°16
S 6	16 58 23	15°21'21	24°38	7°11	23°52	14°47	14°13	26°58	19°17	8°27	5°10	7°15	7°31	13° 7	20°19
M 7	17 2 19	16°18'43	7II 5	9°19	25° 5	15°14	14°27	26R58	19°15	8°30	5°10	7° 2	7°28	13°13	20°21
T 8	17 6 16	17°16'04	19°46	11°28	26°18	15°41	14°41	26°58	19°13	8°32	5°10	6°49	7°25	13°20	20°23
W 9	17 10 13	18°13'25	2B39	13°38	27°30	16° 8	14°54	26°58	19°11	8°34	5°10	6°37	7°22	13°27	20°26
T 10	17 14 9	19°10'45	15°46	15°48	28°43	16°35	15° 8	26°57	19° 8	8°36	5°10	6°27	7°18	13°33	20°28
F 11	17 18 6	20° 8'04	29° 3	18° 0	29°56	17° 3	15°22	26°57	19° 6	8°39	5° 9	6°20	7°15	13°40	20°30
S 12	17 22 2	21° 5'22	12B31	20°12	1II 9	17°31	15°36	26°56	19° 4	8°41	5° 9	6°16	7°12	13°47	20°33
S 13	17 25 59	22° 2'39	26°10	22°24	2°22	17°59	15°50	26°56	19° 2	8°43	5° 9	6°14	7° 9	13°53	20°35
M14	17 29 55	22°59'55	9M58	24°35	3°35	18°27	16° 4	26°55	19° 1	8°45	5° 9	6D14	7° 6	14° 0	20°37
T 15	17 33 52	23°57'11	23°57	26°46	4°48	18°56	16°17	26°54	18°59	8°47	5D 9	6R14	7° 3	14° 7	20°39
W16	17 37 49	24°54'25	8A 6	28°57	6° 1	19°25	16°31	26°54	18°57	8°50	5° 9	6°13	6°59	14°13	20°41
T 17	17 41 45	25°51'39	22°24	1B 6	7°14	19°54	16°45	26°53	18°55	8°52	5° 9	6°11	6°56	14°20	20°43
F 18	17 45 42	26°48'53	6M49	3°15	8°27	20°23	16°59	26°52	18°53	8°54	5° 9	6° 6	6°53	14°27	20°45
S 19	17 49 38	27°46'05	21°16	5°21	9°40	20°52	17°13	26°50	18°51	8°56	5° 9	5°59	6°50	14°33	20°47
S 20	17 53 35	28°43'17	5A40	7°27	10°53	21°22	17°26	26°49	18°50	8°58	5°10	5°50	6°47	14°40	20°49
M21	17 57 31	29°40'29	19°55	9°31	12° 6	21°52	17°40	26°48	18°48	9° 0	5°10	5°40	6°43	14°47	20°51
T 22	18 1 28	0B37'41	3B56	11°33	13°19	22°22	17°54	26°46	18°46	9° 2	5°10	5°30	6°40	14°53	20°52
W23	18 5 24	1°34'52	17°38	13°33	14°32	22°52	18° 7	26°45	18°45	9° 5	5°10	5°21	6°37	15° 0	20°54
T 24	18 9 21	2°32'03	0A58	15°31	15°45	23°22	18°21	26°43	18°43	9° 7	5°10	5°14	6°34	15° 7	20°56
F 25	18 13 18	3°29'14	13°56	17°27	16°58	23°53	18°35	26°42	18°41	9° 9	5°11	5°10	6°31	15°13	20°57
S 26	18 17 14	4°26'25	26°32	19°21	18°11	24°24	18°48	26°40	18°40	9°11	5°11	5° 8	6°28	15°20	20°59
S 27	18 21 11	5°23'36	8K50	21°13	19°25	24°55	19° 2	26°38	18°38	9°13	5°12	5D 8	6°24	15°27	21° 1
M28	18 25 7	6°20'47	20°53	23° 4	20°38	25°26	19°15	26°36	18°37	9°15	5°12	5° 8	6°21	15°33	21° 2
T 29	18 29 4	7°17'58	2Y48	24°52	21°51	25°57	19°29	26°34	18°36	9°17	5°12	5R 9	6°18	15°40	21° 3
W30	18 33 0	8B15'09	14Y38	26B38	23II 4	26M29	19II42	26A32	18M34	9II19	5A13	5K 9	6K15	15Y47	21Y 5

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	22n 4	0s42	1n29	18n29	1s 3	15n51	1s22	7n49	1n 4	21n57	0s27	13s45	1s17	17s20	0n18	20n14	1s31	13n40	17n10	8s39	8s40	7n40	8n56	1n 9
W 2	22 12	4n52	2 26	19 6	0 53	16 13	1 21	7 37	1 2	21 59	0 27	13 45	1 17	17 19	0 18	20 14	1 31	13 40	17 10	8 40	8 41	7 44	8 57	1 9
T 3	22 20	10 17	3 17	19 42	0 42	16 34	1 19	7 26	1 1	22 1	0 27	13 45	1 17	17 19	0 18	20 14	1 31	13 39	17 9	8 42	8 42	7 47	8 58	1 9
F 4	22 27	15 21	4 0	20 17	0 31	16 55	1 17	7 15	0 59	22 3	0 27	13 46	1 18	17 18	0 18	20 15	1 31	13 39	17 9	8 44	8 43	7 50	8 59	1 9
S 5	22 34	19 54	4 33	20 51	0 20	17 15	1 15	7 3	0 58	22 4	0 27	13 46	1 18	17 18	0 18	20 15	1 31	13 39	17 8	8 48	8 45	7 53	9 0	1 9
S 6	22 40	23 42	4 53	21 24	0 9	17 35	1 13	6 52	0 56	22 6	0 26	13 46	1 18	17 17	0 18	20 15	1 31	13 38	17 8	8 52	8 46	7 57	9 0	1 9
M 7	22 46	26 28	5 0	21 55	0n 2	17 54	1 12	6 40	0 55	22 8	0 26	13 46	1 18	17 16	0 18	20 16	1 31	13 38	17 7	8 57	8 47	8 0	9 1	1 9
T 8	22 52	27 57	4 53	22 24	0 12	18 13	1 10	6 28	0 53	22 10	0 26	13 46	1 18	17 16	0 18	20 16	1 31	13 38	17 7	9 1	8 48	8 3	9 2	1 9
W 9	22 57	27 57	4 30	22 51	0 23	18 32	1 8	6 17	0 52	22 11	0 26	13 46	1 19	17 15	0 18	20 16	1 31	13 37	17 6	9 6	8 49	8 7	9 3	1 9
T 10	23 2	26 24	3 53	23 16	0 33	18 50	1 6	6 5	0 51	22 13	0 26	13 47	1 19	17 15	0 18	20 17	1 31	13 37	17 6	9 9	8 50	8 10	9 4	1 9
F 11	23 7	23 22	3 7	23 39	0 4	19 8	1 4	5 53	0 49	22 14	0 26	13 47	1 19	17 14	0 18	20 17	1 31	13 37	17 5	9 12	8 52	8 13	9 5	1 9
S 12	23 11	19 2	2 2	23 59	0 52	19 25	1 2	5 40	0 48	22 16	0 26	13 47	1 19	17 14	0 18	20 17	1 31	13 36	17 5	9 14	8 53	8 16	9 6	1 9
S 13	23 14	13 39	0 53	24 16	1 1	19 42	1 0	5 28	0 46	22 18	0 26	13 48	1 19	17 13	0 18	20 18	1 31	13 36	17 4	9 14	8 54	8 20	9 6	1 9
M14	23 17	7 32	0s20	24 31	1 9	19 58	0 57	5 16	0 45	22 19	0 26	13 48	1 20	17 13	0 18	20 18	1 31	13 35	17 4	9 14	8 55	8 23	9 7	1 9
T 15	23 20	0 59	1 33	24 43	1 17	20 13	0 55	5 3	0 44	22 21	0 26	13 49	1 20	17 12	0 18	20 18	1 31	13 35	17 3	9 14	8 56	8 26	9 8	1 8
W16	23 23	5s41	2 41	24 52	1 24	20 48	0 53	4 51	0 42	22 22	0 26	13 49	1 20	17 12	0 18	20 19	1 31	13 34	17 3	9 15	8 58	8 29	9 9	1 8
T 17	23 25	12 7	3 39	24 59	1 30	20 43	0 51	4 38	0 41	22 24	0 26	13 50	1 20	17 11	0 18	20 19	1 31	13 34	17 2	9 15	8 59	8 33	9 10	1 8
F 18	23 26	17 58	4 24	25 2	1 36	20 57	0 49	4 25	0 40	22 25	0 25	13 50	1 20	17 11	0 18	20 19	1 31	13 33	17 2	9 17	9 0	8 36	9 10	1 8
S 19	23 27	22 48	4 53	25 3	1 41	21 10	0 46	4 13	0 38	22 26	0 25	13 51	1 21	17 10	0 18	20 20	1 31	13 33	17 1	9 20	9 1	8 39	9 11	1 8
S 20	23 28	26 15	5 3	25 1	1 45	21 23	0 44	4 0	0 37	22 28	0 25	13 51	1 21	17 10	0 18	20 20	1 31	13 32	17 0	9 23	9 2	8 42	9 12	1 8
M21	23 29	27 58	4 53	24 57	1 49	21 35	0 42	3 47	0 36	22 29	0 25	13 52	1 21	17 9	0 18	20 20	1 31	13 32	17 0	9 27	9 3	8 46	9 12	1 8
T 22	23 29	27 52	4 27	24 49	1 51	21 47	0 39	3 34	0 35	22 30	0 25	13 53	1 21	17 9	0 18	20 21	1 31	13 31	16 59	9 31	9 5	8 49	9 13	1 8
W23	23 28	26 2	3 45	24 40	1 53	21 58	0 37	3 21	0 33	22 32	0 25	13 53	1 21	17 8	0 18	20 21	1 31	13 30	16 59	9 34	9 6	8 52	9 14	1 8
T 24	23 27	22 46	2 52	24 28	1 55	22 9	0 34	3 8	0 32	22 33	0 25	13 54	1 22	17 8	0 18	20 21	1 31	13 30	16 58	9 36	9 7	8 55	9 14	1 8
F 25	23 26	18 26	1 51	24 14	1 55	22 18	0 32	2 54	0 31	22 34	0 25	13 55	1 22	17 8	0 18	20 22	1 31	13 29	16 58	9 38	9 8	8 59	9 15	1 8
S 26	23 24	13 25	0 46	23 59	1 55	22 28	0 30	2 41	0 30	22 36	0 25	13 56	1 22	17 7	0 18	20 22	1 31	13 29	16 57	9 39	9 9	9 2	9 15	1 8
S 27	23 22	7 58	0n20	23 41	1 54	22 36	0 27	2 28	0 28	22 37	0 25	13 57	1 22	17 7	0 18	20 22	1 31	13 28	16 57	9 39	9 10	9 5	9 16	1 8
M28	23 19	2 20	1 23	23 21	1 53	22 44	0 25	2 14	0 27	22 38	0 25	13 57	1 22	17 6	0 18	20 22	1 31	13 27	16 56	9 38	9 12	9 8	9 17	1 8
T 29	23 17	3n18	2 23	23 0	1 51	22 51	0 22	2 1	0 26	22 39	0 25	13 58	1 22	17 6	0 18	20 23	1 31	13 27	16 56	9 38	9 13	9 11	9 17	1 8
W30	23n13	8n47	3n15	22n38	1n48	22n58	0s20	1n47	0n25	22n40														

SWISS EPHEMERIS for the year 1728

JULY 1728

00:00 UT

Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒
T 1	18 36 57	9°12'21"	26°47'30"	28°21'	24°11'17"	27°00'	19°11'56"	26°R29	18°R33	9°II21	5°A13	5°R 7	6°H12	15°V53	21°V 6				
F 2	18 40 53	10° 9'33"	8°B27	0°Ω 3	25°31'	27°32'	20° 9'	26°A27	18°M32	9°P23	5°I14	5°H 4	6° 9'	16° 0'	21° 7'				
S 3	18 44 50	11° 6'45"	20°35'	1°43'	26°44'	28° 4'	20°23'	26°25'	18°31'	9°25'	5°I15	4°58'	6° 5'	16° 7'	21° 9'				
S 4	18 48 47	12° 3'58"	2°II56	3°20'	27°57'	28°37'	20°36'	26°22'	18°29'	9°27'	5°I15	4°50'	6° 2'	16°14'	21°10'				
M 5	18 52 43	13° 1'11"	15°34'	4°56'	29°11'	29° 9'	20°49'	26°20'	18°28'	9°29'	5°I16	4°42'	5°59'	16°20'	21°11'				
T 6	18 56 40	13°58'24"	28°29'	6°29'	0°B24	29°42'	21° 3'	26°17'	18°27'	9°31'	5°I16	4°33'	5°56'	16°27'	21°12'				
W 7	19 0 36	14°55'38"	11°B41	8° 1'	1°37'	0°A14	21°16'	26°14'	18°26'	9°33'	5°I17	4°24'	5°53'	16°34'	21°13'				
T 8	19 4 33	15°52'52"	25° 9'	9°30'	2°51'	0°47'	21°29'	26°11'	18°25'	9°35'	5°I18	4°18'	5°49'	16°40'	21°14'				
F 9	19 8 29	16°50'06"	8°Ω50	10°57'	4° 4'	1°20'	21°42'	26° 8'	18°24'	9°37'	5°I19	4°13'	5°46'	16°47'	21°15'				
S 10	19 12 26	17°47'20"	22°42'	12°22'	5°18'	1°53'	21°55'	26° 5'	18°23'	9°38'	5°I20	4°11'	5°43'	16°54'	21°16'				
S 11	19 16 23	18°44'34"	6°II42	13°44'	6°31'	2°27'	22° 9'	26° 2'	18°23'	9°40'	5°I20	4°D10	5°40'	17° 0'	21°17'				
M12	19 20 19	19°41'49"	20°47'	15° 5'	7°45'	3° 0'	22°22'	25°59'	18°22'	9°42'	5°I21	4°11'	5°37'	17° 7'	21°17'				
T 13	19 24 16	20°39'03"	4°A56	16°23'	8°58'	3°34'	22°35'	25°56'	18°21'	9°44'	5°I22	4°12'	5°34'	17°14'	21°18'				
W14	19 28 12	21°36'18"	19° 7'	17°39'	10°12'	4° 8'	22°48'	25°53'	18°20'	9°46'	5°I23	4°R13	5°30'	17°20'	21°19'				
T 15	19 32 9	22°33'32"	3°M18	18°52'	11°25'	4°42'	23° 0'	25°50'	18°20'	9°47'	5°I24	4°12'	5°27'	17°27'	21°19'				
F 16	19 36 5	23°30'47"	17°27'	20° 3'	12°39'	5°16'	23°13'	25°46'	18°19'	9°49'	5°I25	4°10'	5°24'	17°34'	21°20'				
S 17	19 40 2	24°28'02"	1°A32	21°12'	13°52'	5°50'	23°26'	25°43'	18°18'	9°51'	5°I26	4° 6'	5°21'	17°40'	21°20'				
S 18	19 43 58	25°25'18"	15°30'	22°17'	15° 6'	6°24'	23°39'	25°39'	18°18'	9°53'	5°I27	4° 1'	5°18'	17°47'	21°21'				
M19	19 47 55	26°22'34"	29°19'	23°20'	16°20'	6°59'	23°51'	25°36'	18°18'	9°54'	5°I28	3°55'	5°15'	17°54'	21°21'				
T 20	19 51 52	27°19'50"	12°B54	24°21'	17°33'	7°33'	24° 4'	25°32'	18°17'	9°56'	5°I29	3°50'	5°11'	18° 0'	21°21'				
W21	19 55 48	28°17'07"	26°14'	25°18'	18°47'	8° 8'	24°17'	25°28'	18°17'	9°58'	5°I30	3°45'	5° 8'	18° 7'	21°22'				
T 22	19 59 45	29°14'25"	9°A17	26°12'	20° 1'	8°43'	24°29'	25°24'	18°17'	9°59'	5°I32	3°41'	5° 5'	18°14'	21°22'				
F 23	20 3 41	0°Ω11'43"	22° 3'	27° 4'	21°14'	9°18'	24°42'	25°21'	18°16'	10° 1'	5°I33	3°39'	5° 2'	18°20'	21°22'				
S 24	20 7 38	1° 9'02"	4°H32	27°52'	22°28'	9°53'	24°54'	25°17'	18°16'	10° 2'	5°I34	3°D38	4°59'	18°27'	21°22'				
S 25	20 11 34	2° 6'22"	16°46'	28°36'	23°42'	10°29'	25° 6'	25°13'	18°16'	10° 4'	5°I35	3°39'	4°55'	18°34'	21°R22				
M26	20 15 31	3° 3'43"	28°48'	29°17'	24°56'	11° 4'	25°19'	25° 9'	18°16'	10° 5'	5°I37	3°40'	4°52'	18°40'	21°22'				
T 27	20 19 27	4° 1'05"	10°V42	29°54'	26° 9'	11°40'	25°31'	25° 5'	18°D16	10° 7'	5°I38	3°42'	4°49'	18°47'	21°22'				
W28	20 23 24	4°58'28"	22°33'	0°II27	27°23'	12°15'	25°43'	25° 1'	18°16'	10° 8'	5°I39	3°43'	4°46'	18°54'	21°22'				
T 29	20 27 21	5°55'52"	4°B25	0°56'	28°37'	12°51'	25°55'	24°57'	18°16'	10°10'	5°I41	3°R44	4°43'	19° 1'	21°22'				
F 30	20 31 17	6°53'17"	16°24'	1°21'	29°51'	13°27'	26° 7'	24°52'	18°16'	10°11'	5°I42	3°44'	4°40'	19° 7'	21°21'				
S 31	20 35 14	7°Ω50'44"	28°B33	1°II41	1°Ω 5	14°A 3	26°II19	24°A48	18°M16	10°II13	5°A44	3°H42	4°H36	19°V14	21°V21				

Day	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 9	13n57	4n 0	22n14	1n44	23n 4	0s17	1n33	0n24	22n41	0s24	1s23	17s 5	0n18	20n23	1s31	13n25	16n55	9s39
F 2	23 5 18	40 4	34 21	48 1	40 23	9 0	15 1	20 0	23 22	42 0	24 14	1 1	23 17	5 0	18 20	24 1	31 13	25 16	54 9
S 3	23 1 22	41 4	57 21	22 1	36 23	14 0	12 1	6 0	21 22	43 0	24 14	2 1	23 17	5 0	18 20	24 1	31 13	24 16	54 9
S 4	22 56	25 47	5 6	20 55	1 31	23 18	0 10	0 52	0 20	22 44	0 24	14 3	1 23	17 4	0 18	20 24	1 31	13 23	16 53
M 5	22 50	27 41	5 1	20 26	1 25	23 21	0 7	0 38	0 19	22 45	0 24	14 4	1 24	17 4	0 18	20 24	1 31	13 22	16 53
T 6	22 45	28 8	4 40	19 57	1 19	23 24	0 5	0 24	0 18	22 46	0 24	14 5	1 24	17 4	0 18	20 25	1 31	13 22	16 52
W 7	22 38	27 1	4 4	19 27	1 12	23 26	0 2	0 10	0 17	22 47	0 24	14 6	1 24	17 4	0 18	20 25	1 31	13 21	16 52
T 8	22 32	24 19	3 14	18 57	1 5	23 27	0n 0	0s 4	0 16	22 48	0 24	14 8	1 24	17 3	0 18	20 25	1 31	13 20	16 51
F 9	22 25	20 12	2 12	18 26	0 58	23 27	0 3	0 18	0 15	22 49	0 24	14 9	1 24	17 3	0 18	20 25	1 31	13 19	16 50
S 10	22 18	14 56	1 2	17 55	0 50	23 27	0 5	0 33	0 14	22 50	0 24	14 10	1 24	17 3	0 18	20 26	1 31	13 19	16 50
S 11	22 10	8 51	0s14	17 23	0 41	23 26	0 7	0 47	0 13	22 51	0 24	14 11	1 25	17 3	0 17	20 26	1 31	13 18	16 49
M12	22 2	2 18	1 29	16 51	0 32	23 25	0 10	1 1	0 12	22 52	0 24	14 12	1 25	17 2	0 17	20 26	1 31	13 17	16 49
T 13	21 53	4s23	2 39	16 19	0 23	23 23	0 12	1 15	0 11	22 53	0 24	14 14	1 25	17 2	0 17	20 26	1 31	13 16	16 48
W14	21 44	10 52	3 39	15 47	0 13	23 20	0 15	1 30	0 10	22 53	0 24	14 15	1 25	17 2	0 17	20 27	1 31	13 15	16 48
T 15	21 35	16 48	4 26	15 15	0 3	23 16	0 17	1 44	0 8	22 54	0 23	14 16	1 25	17 2	0 17	20 27	1 31	13 15	16 47
F 16	21 26	21 48	4 57	14 43	0s 7	23 12	0 19	1 59	0 7	22 55	0 23	14 17	1 25	17 2	0 17	20 27	1 31	13 14	16 47
S 17	21 16	25 33	5 10	14 11	0 18	23 7	0 22	2 13	0 6	22 56	0 23	14 19	1 26	17 2	0 17	20 27	1 31	13 13	16 46
S 18	21 5 27	43 5	4 13	39 0	29 23	1 0	24 2	28 0	5 22	56 0	23 14	20 1	26 17	2 0	17 20	28 1	31 13	12 16	46 10
M19	20 55	28 9	4 40	13 8	0 40	22 55	0 26	2 42	0 4	22 57	0 23	14 21	1 26	17 2	0 17	20 28	1 31	13 11	16 45
T 20	20 44	26 51	4 1	12 37	0 51	22 48	0 29	2 57	0 3	22 57	0 23	14 23	1 26	17 1	0 17	20 28	1 31	13 10	16 45
W21	20 32	24 2	3 10	12 7	1 3	22 40	0 31	3 12	0 2	22 58	0 23	14 24	1 26	17 1	0 17	20 28	1 32	13 9	16 44
T 22	20 20	20 2	2 9	11 37	1 15	22 32	0 33	3 26	0 1	22 59	0 23	14 26	1 26	17 1	0 17	20 28	1 32	13 8	16 44
F 23	20 8	15 10	1 3	11 9	1 27	22 23	0 35	3 41	0 1	22 59	0 23	14 27	1 27	17 1	0 17	20 29	1 32	13 8	16 44
S 24	19 56	9 47	0n 5	10 41	1 40	22 13	0 38	3 56	0s 0	23 0	0 23	14 29	1 27	17 1	0 17	20 29	1 32	13 7	16 43
S 25	19 43	4 9	1 11	10 14	1 52	22 3	0 40	4 11	0 1	23 0	0 23	14 30	1 27	17 1	0 17	20 29	1 32	13 6	16 43
M26	19 30	1n34	2 13	9 48	2 4	21 52	0 42	4 25	0 2	23 1	0 23	14 31	1 27	17 1	0 17	20 29	1 32	13 5	16 42
T 27	19 17	7 9	3 9	9 23	2 17	21 40	0 44	4 40	0 3	23 1	0 23	14 33	1 27	17 1	0 17	20 29	1 32	13 4	16 42
W28	19 3	12 27	3 57	9 0	2 30	21 28	0 46	4 55	0 4	23 2	0 23	14 34	1 27	17 1	0 17	20 30	1 32	13 3	16 41
T 29	18 49	17 18	4 34	8 38	2 42	21 15	0 48	5 10	0 5	23 2	0 23	14 36	1 27	17 1	0 17	20 30	1 32	13 2	16 41
F 30	18 35	21 33	5 0	8 18	2 54	21 1	0 50	5 25	0 6	23 3	0 23	14 37	1 27	17 1	0 17	20 30	1 32	13 1	16 40
S 31	18n20	24n57	5n13	7n59	3s 7	20n47	0n52	5s40	0s 7	23n 3	0s22	14s39	1s28	17s 1	0n17	20n30	1s32	13n 0	16n40

Julian Day Number = 2352380.5, Delta T = 10.07 sec
 Ecliptic obliquity = 23°28'36", Nutation = 0°00'07"
 Ayanamsha: Fagan/Bradley = 20°57'01", Lahiri = 20°04'00"Greg. Calendar

SWISS EPHEMERIS for the year 1728

AUGUST 1728

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 39 10	8♄48'12	10♂57	1♂56	2♂19	14♂40	26♂31	24°R44	18♂16	10♂14	5♂45	3°R40	4♂33	19°Y21	21°R21
M 2	20 43 7	9°45'41	23°40	2° 7	3°33	15°16	26°43	24°40	18°17	10°15	5°46	3°R36	4°30	19°27	21°Y20
T 3	20 47 3	10°43'11	6♂43	2°13	4°47	15°52	26°55	24°36	18°17	10°17	5°48	3°33	4°27	19°34	21°20
W 4	20 51 0	11°40'43	20° 8	2°R13	6° 1	16°29	27° 6	24°31	18°17	10°18	5°50	3°30	4°24	19°41	21°19
T 5	20 54 56	12°38'15	3♂53	2° 8	7°15	17° 6	27°18	24°27	18°18	10°19	5°51	3°27	4°21	19°47	21°19
F 6	20 58 53	13°35'49	17°56	1°58	8°29	17°42	27°29	24°22	18°18	10°20	5°53	3°26	4°17	19°54	21°18
S 7	21 2 50	14°33'24	2♂14	1°42	9°43	18°19	27°41	24°18	18°19	10°22	5°54	3°D25	4°14	20° 1	21°18
S 8	21 6 46	15°31'00	16°40	1°21	10°57	18°56	27°52	24°14	18°19	10°23	5°56	3°25	4°11	20° 7	21°17
M 9	21 10 43	16°28'37	1♂10	0°54	12°11	19°34	28° 3	24° 9	18°20	10°24	5°58	3°26	4° 8	20°14	21°16
T 10	21 14 39	17°26'15	15°38	0°23	13°25	20°11	28°15	24° 5	18°21	10°25	5°59	3°27	4° 5	20°21	21°15
W 11	21 18 36	18°23'54	0♂ 2	29♂46	14°39	20°48	28°26	24° 0	18°22	10°26	6° 1	3°28	4° 1	20°27	21°14
T 12	21 22 32	19°21'34	14°17	29° 6	15°53	21°26	28°37	23°56	18°22	10°27	6° 3	3°R29	3°58	20°34	21°13
F 13	21 26 29	20°19'15	28°21	28°21	17° 8	22° 4	28°48	23°51	18°23	10°28	6° 4	3°29	3°55	20°41	21°12
S 14	21 30 25	21°16'57	12♂12	27°33	18°22	22°41	28°58	23°47	18°24	10°29	6° 6	3°28	3°52	20°48	21°11
S 15	21 34 22	22°14'40	25°50	26°43	19°36	23°19	29° 9	23°42	18°25	10°30	6° 8	3°27	3°49	20°54	21°10
M 16	21 38 19	23°12'24	9♂15	25°51	20°50	23°57	29°20	23°38	18°26	10°31	6°10	3°26	3°46	21° 1	21° 9
T 17	21 42 15	24°10'10	22°25	24°58	22° 4	24°35	29°30	23°33	18°27	10°32	6°12	3°25	3°42	21° 8	21° 8
W 18	21 46 12	25° 7'56	5♂21	24° 6	23°19	25°13	29°41	23°29	18°28	10°33	6°14	3°24	3°39	21°14	21° 7
T 19	21 50 8	26° 5'44	18° 4	23°15	24°33	25°52	29°51	23°24	18°29	10°34	6°15	3°23	3°36	21°21	21° 5
F 20	21 54 5	27° 3'34	0♂33	22°27	25°47	26°30	0♂ 1	23°20	18°31	10°35	6°17	3°D23	3°33	21°28	21° 4
S 21	21 58 1	28° 1'24	12°50	21°43	27° 2	27° 8	0°12	23°15	18°32	10°35	6°19	3°23	3°30	21°34	21° 3
S 22	22 1 58	28°59'17	24°57	21° 3	28°16	27°47	0°22	23°11	18°33	10°36	6°21	3°23	3°27	21°41	21° 1
M 23	22 5 54	29°57'11	6°Y56	20°28	29°30	28°26	0°32	23° 6	18°34	10°37	6°23	3°23	3°23	21°48	21° 0
T 24	22 9 51	0♂55'06	18°48	20° 0	0♂45	29° 5	0°41	23° 2	18°36	10°38	6°25	3°24	3°20	21°54	20°58
W 25	22 13 48	1°53'04	0♂39	19°39	1°59	29°43	0°51	22°57	18°37	10°38	6°27	3°24	3°17	22° 1	20°57
T 26	22 17 44	2°51'03	12°30	19°26	3°13	0♂22	1° 1	22°53	18°39	10°39	6°29	3°24	3°14	22° 8	20°55
F 27	22 21 41	3°49'05	24°28	19°D20	4°28	1° 1	1°10	22°48	18°40	10°39	6°31	3°R24	3°11	22°14	20°53
S 28	22 25 37	4°47'08	6♂35	19°23	5°42	1°41	1°20	22°44	18°42	10°40	6°33	3°D24	3° 7	22°21	20°51
S 29	22 29 34	5°45'13	18°58	19°34	6°57	2°20	1°29	22°40	18°44	10°41	6°35	3°24	3° 4	22°28	20°50
M 30	22 33 30	6°43'20	1♂39	19°54	8°11	2°59	1°38	22°35	18°45	10°41	6°37	3°24	3° 1	22°35	20°48
T 31	22 37 27	7♂41'30	14♂42	20♂22	9♂26	3♂39	1♂47	22°31	18♂47	10♂41	6♂39	3♂25	2♂58	22°Y41	20°Y46

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	18n 5	27n15	5n11	7n42	3s19	20n33	0n54	5s54	0s 8	23n 3	0s22	14s41	1s28	17s 1	0n17	20n30	1s32	12n59	16n40	10s11	9s51	10n56	9n23	1n 8
M 2	17 50	28 14	4 55	7 28	3 30	20 17	0 55	6 9	0 9	23 4	0 22	14 42	1 28	17 2	0 17	20 30	1 32	12 58	16 39	10 12	9 52	10 59	9 23	1 8
T 3	17 34	27 41	4 23	7 15	3 42	20 1	0 57	6 24	0 10	23 4	0 22	14 44	1 28	17 2	0 17	20 30	1 32	12 57	16 39	10 13	9 54	11 3	9 23	1 8
W 4	17 19	25 32	3 36	7 5	3 52	19 45	0 59	6 39	0 11	23 4	0 22	14 45	1 28	17 2	0 17	20 31	1 32	12 56	16 38	10 14	9 55	11 6	9 23	1 8
T 5	17 3 21	50 2	3 36	6 57	4 2	19 28	1 0	6 54	0 11	23 5	0 22	14 47	1 28	17 2	0 17	20 31	1 32	12 55	16 38	10 15	9 56	11 9	9 22	1 8
F 6	16 46	16 49	1 24	6 52	4 12	19 10	1 2	7 9	0 12	23 5	0 22	14 48	1 28	17 2	0 17	20 31	1 32	12 54	16 37	10 16	9 57	11 12	9 22	1 8
S 7	16 29	10 48	0 7	6 50	4 20	18 52	1 4	7 24	0 13	23 5	0 22	14 50	1 28	17 2	0 17	20 31	1 32	12 53	16 37	10 16	9 58	11 15	9 22	1 8
S 8	16 13	4 10	1s13	6 50	4 28	18 33	1 5	7 39	0 14	23 6	0 22	14 51	1 29	17 3	0 17	20 31	1 32	12 52	16 37	10 16	9 59	11 18	9 22	1 8
M 9	15 55	2s43	2 27	6 53	4 34	18 14	1 7	7 54	0 15	23 6	0 22	14 53	1 29	17 3	0 17	20 31	1 32	12 51	16 36	10 16	10 1	11 21	9 21	1 8
T 10	15 38	9 26	3 33	7 0	4 39	17 54	1 8	8 8	0 16	23 6	0 22	14 55	1 29	17 3	0 17	20 31	1 32	12 50	16 36	10 15	10 2	11 24	9 21	1 8
W 11	15 20	15 37	4 24	7 9	4 43	17 34	1 10	8 23	0 16	23 6	0 22	14 56	1 29	17 3	0 17	20 32	1 32	12 49	16 36	10 15	10 3	11 28	9 21	1 8
T 12	15 2 20	54 4	5 9	7 21	4 45	17 14	1 11	8 38	0 17	23 6	0 22	14 58	1 29	17 3	0 17	20 32	1 32	12 48	16 35	10 15	10 4	11 31	9 20	1 8
F 13	14 44	24 56	5 15	7 36	4 46	16 52	1 12	8 53	0 18	23 7	0 22	14 59	1 29	17 4	0 17	20 32	1 32	12 47	16 35	10 15	10 5	11 34	9 20	1 8
S 14	14 26	27 27	5 13	7 53	4 44	16 31	1 13	9 8	0 19	23 7	0 22	15 1	1 29	17 4	0 17	20 32	1 32	12 46	16 34	10 15	10 6	11 37	9 19	1 8
S 15	14 7 28	17 4	5 13	8 13	4 41	16 8	1 14	9 23	0 20	23 7	0 22	15 3	1 29	17 4	0 17	20 32	1 32	12 45	16 34	10 15	10 8	11 40	9 19	1 8
M 16	13 48	27 25	4 17	8 36	4 36	15 46	1 16	9 38	0 21	23 7	0 22	15 4	1 29	17 5	0 17	20 32	1 33	12 44	16 34	10 16	10 9	11 43	9 18	1 8
T 17	13 29	25 2	3 28	9 0	4 29	15 23	1 17	9 52	0 21	23 7	0 22	15 6	1 29	17 5	0 17	20 32	1 33	12 43	16 33	10 16	10 10	11 46	9 18	1 8
W 18	13 10	21 22	2 29	9 25	4 20	14 59	1 18	10 7	0 22	23 7	0 21	15 7	1 29	17 5	0 17	20 32	1 33	12 42	16 33	10 17	10 11	11 49	9 18	1 7
T 19	12 50	16 46	1 24	9 52	4 9	14 36	1 19	10 22	0 23	23 7	0 21	15 9	1 29	17 5	0 17	20 32	1 33	12 41	16 33	10 17	10 12	11 52	9 17	1 7
F 20	12 31	11 32	0 16	10 19	3 57	14 11	1 19	10 36	0 24	23 7	0 21	15 10	1 30	17 6	0 17	20 32	1 33	12 40	16 32	10 17	10 13	11 55	9 16	1 7
S 21	12 11	5 57	0n52	10 46	3 43	13 47	1 20	10 51	0 24	23 7	0 21	15 12	1 30	17 6	0 17	20 32	1 33	12 39	16 32	10 17	10 14	11 58	9 16	1 7
S 22	11 51	0 13	1 57	11 13	3 28	13 22	1 21	11 6	0 25	23 7	0 21	15 13	1 30	17 7	0 16	20 32	1 33	12 38	16 32	10 17	10 16	12 1	9 15	1 7
M 23	11 30	5n26	2 56	11 40	3 11	12 56	1 22	11 20	0 26	23 7	0 21	15 15	1 30	17 7	0 16	20 33	1 33	12 37	16 32	10 17	10 17	12 5	9 15	1 7
T 24	11 10	10 52	3 46	12 5	2 54	12 30	1 22	11 35	0 27	23 7	0 21	15 17	1 30	17 7	0 16	20 33	1 33	12 36	16 31	10 17	10 18	12 8	9 14	1 7
W 25	10 49	15 53	4 27	12 28	2 36	12 4	1 23	11 49	0 27	23 7	0 21	15 18	1 30	17 8	0 16	20 33	1 33	12 35	16 31	10 16	10 19	12 11	9 14	1 7
T 26	10 28	20 19	4 56	12 50	2 18	11 38	1 23	12 4	0 28	23 7	0 21	15 20	1 30	17 8	0 16	20 33	1 33	12 34	16 31	10 16	10 20	12 14	9 13	1 7
F 27	10 7 23	58 5	5 13	13 9	1 59	11 11	1 24	12 18	0 29	23 7	0 21	15 21	1 30	17 9	0 16	20 33	1 33	12 33	16 30	10 16	10 21	12 17	9 12	1 7
S 28	9 46	26 39	5 17	13 26	1 41	10 44	1 24	12 32	0 30	23 7	0 21	15 23	1 30	17 9	0 16	20 33	1 33	12 32	16 30	10 16	10 22	12 20	9 12	1 7
S 29	9 25	28 6																						

SWISS EPHEMERIS for the year 1728

SEPTEMBER 1728

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 41 23	8 ^m 39'41	28 ^o 10	20 ^o 59	10 ^m 40	4 ^m 19	1 ^o 56	22 ^o R27	18 ^m 49	10 ^{II} 42	6 ^o 42	3 ^o 25	2 ^o 55	22 ^o Y48	20 ^o R44
T 2	22 45 20	9 ^o 37'54	12 ^o 2	21 ^o 44	11 ^o 55	4 ^o 58	2 ^o 5	22 ^o ≈23	18 ^o 51	10 ^o 42	6 ^o 44	3 ^o 26	2 ^o 52	22 ^o Y42	20 ^o Y42
F 3	22 49 17	10 ^o 36'08	26 ^o 30	22 ^o 36	13 ^o 9	5 ^o 38	2 ^o 14	22 ^o 18	18 ^o 52	10 ^o 43	6 ^o 46	3 ^o R26	2 ^o 48	23 ^o 1	20 ^o 40
S 4	22 53 13	11 ^o 34'25	10 ^m 56	23 ^o 36	14 ^o 24	6 ^o 18	2 ^o 22	22 ^o 14	18 ^o 54	10 ^o 43	6 ^o 48	3 ^o 26	2 ^o 45	23 ^o 8	20 ^o 38
S 5	22 57 10	12 ^o 32'43	25 ^o 46	24 ^o 43	15 ^o 38	6 ^o 58	2 ^o 31	22 ^o 10	18 ^o 56	10 ^o 43	6 ^o 50	3 ^o 26	2 ^o 42	23 ^o 15	20 ^o 36
M 6	23 1 6	13 ^o 31'04	10 ^o 41	25 ^o 56	16 ^o 53	7 ^o 38	2 ^o 39	22 ^o 6	18 ^o 58	10 ^o 44	6 ^o 52	3 ^o 25	2 ^o 39	23 ^o 21	20 ^o 34
T 7	23 5 3	14 ^o 29'25	25 ^o 35	27 ^o 16	18 ^o 8	8 ^o 18	2 ^o 47	22 ^o 2	19 ^o 0	10 ^o 44	6 ^o 55	3 ^o 23	2 ^o 36	23 ^o 28	20 ^o 32
W 8	23 8 59	15 ^o 27'49	10 ^m 19	28 ^o 40	19 ^o 22	8 ^o 59	2 ^o 55	21 ^o 58	19 ^o 2	10 ^o 44	6 ^o 57	3 ^o 22	2 ^o 33	23 ^o 35	20 ^o 30
T 9	23 12 56	16 ^o 26'14	24 ^o 47	0 ^m 10	20 ^o 37	9 ^o 39	3 ^o 3	21 ^o 54	19 ^o 5	10 ^o 44	6 ^o 59	3 ^o 21	2 ^o 29	23 ^o 41	20 ^o 27
F 10	23 16 52	17 ^o 24'41	8 ^o 56	1 ^o 44	21 ^o 51	10 ^o 19	3 ^o 11	21 ^o 50	19 ^o 7	10 ^o 44	7 ^o 1	3 ^o 20	2 ^o 26	23 ^o 48	20 ^o 25
S 11	23 20 49	18 ^o 23'09	22 ^o 45	3 ^o 22	23 ^o 6	11 ^o 0	3 ^o 18	21 ^o 46	19 ^o 9	10 ^o 44	7 ^o 3	3 ^o D20	2 ^o 23	23 ^o 55	20 ^o 23
S 12	23 24 46	19 ^o 21'39	6 ^o 31	5 ^o 2	24 ^o 21	11 ^o 41	3 ^o 26	21 ^o 43	19 ^o 11	10 ^o 44	7 ^o 6	3 ^o 21	2 ^o 20	24 ^o 2	20 ^o 21
M13	23 28 42	20 ^o 20'11	19 ^o 21	6 ^o 46	25 ^o 35	12 ^o 21	3 ^o 33	21 ^o 39	19 ^o 14	10 ^o R44	7 ^o 8	3 ^o 22	2 ^o 17	24 ^o 8	20 ^o 18
T 14	23 32 39	21 ^o 18'44	2 ^o ≈13	8 ^o 32	26 ^o 50	13 ^o 2	3 ^o 40	21 ^o 35	19 ^o 16	10 ^o 44	7 ^o 10	3 ^o 23	2 ^o 13	24 ^o 15	20 ^o 16
W15	23 36 35	22 ^o 17'19	14 ^o 49	10 ^o 19	28 ^o 5	13 ^o 43	3 ^o 47	21 ^o 32	19 ^o 18	10 ^o 44	7 ^o 12	3 ^o 25	2 ^o 10	24 ^o 22	20 ^o 13
T 16	23 40 32	23 ^o 15'56	27 ^o 13	12 ^o 7	29 ^o 19	14 ^o 24	3 ^o 54	21 ^o 28	19 ^o 21	10 ^o 44	7 ^o 15	3 ^o R25	2 ^o 7	24 ^o 28	20 ^o 11
F 17	23 44 28	24 ^o 14'34	9 ^o ≈27	13 ^o 57	0 ^o ≈34	15 ^o 5	4 ^o 1	21 ^o 25	19 ^o 23	10 ^o 44	7 ^o 17	3 ^o 25	2 ^o 4	24 ^o 35	20 ^o 8
S 18	23 48 25	25 ^o 13'14	21 ^o 32	15 ^o 47	1 ^o 49	15 ^o 47	4 ^o 8	21 ^o 22	19 ^o 26	10 ^o 44	7 ^o 19	3 ^o 24	2 ^o 1	24 ^o 42	20 ^o 6
S 19	23 52 21	26 ^o 11'57	3 ^o Y31	17 ^o 38	3 ^o 3	16 ^o 28	4 ^o 14	21 ^o 18	19 ^o 28	10 ^o 44	7 ^o 22	3 ^o 22	1 ^o 58	24 ^o 48	20 ^o 3
M20	23 56 18	27 ^o 10'41	15 ^o 25	19 ^o 29	4 ^o 18	17 ^o 9	4 ^o 20	21 ^o 15	19 ^o 31	10 ^o 44	7 ^o 24	3 ^o 19	1 ^o 54	24 ^o 55	20 ^o 1
T 21	0 0 14	28 ^o 9'27	27 ^o 16	21 ^o 19	5 ^o 33	17 ^o 51	4 ^o 26	21 ^o 12	19 ^o 33	10 ^o 43	7 ^o 26	3 ^o 15	1 ^o 51	25 ^o 2	19 ^o 58
W22	0 4 11	29 ^o 8'16	9 ^o ≈6	23 ^o 10	6 ^o 47	18 ^o 32	4 ^o 32	21 ^o 9	19 ^o 36	10 ^o 43	7 ^o 29	3 ^o 10	1 ^o 48	25 ^o 8	19 ^o 56
T 23	0 8 8	0 ^o ≈1	7 ^o 07	20 ^o 59	25 ^o 0	8 ^o 2	4 ^o 38	21 ^o 6	19 ^o 39	10 ^o 43	7 ^o 31	3 ^o 6	1 ^o 45	25 ^o 15	19 ^o 53
F 24	0 12 4	1 ^o 6'00	2 ^{II} 56	26 ^o 50	9 ^o 17	19 ^o 56	4 ^o 44	21 ^o 3	19 ^o 42	10 ^o 43	7 ^o 33	3 ^o 2	1 ^o 42	25 ^o 22	19 ^o 50
S 25	0 16 1	2 ^o 4'55	15 ^o 3	28 ^o 39	10 ^o 32	20 ^o 37	4 ^o 49	21 ^o 0	19 ^o 44	10 ^o 42	7 ^o 36	3 ^o 0	1 ^o 38	25 ^o 29	19 ^o 48
S 26	0 19 57	3 ^o 3'53	27 ^o 22	0 ^o ≈27	11 ^o 46	21 ^o 19	4 ^o 55	20 ^o 57	19 ^o 47	10 ^o 42	7 ^o 38	2 ^o 58	1 ^o 35	25 ^o 35	19 ^o 45
M27	0 23 54	4 ^o 2'53	9 ^o ≈58	2 ^o 15	13 ^o 1	22 ^o 1	5 ^o 0	20 ^o 54	19 ^o 50	10 ^o 41	7 ^o 40	2 ^o D58	1 ^o 32	25 ^o 42	19 ^o 42
T 28	0 27 50	5 ^o 1'55	22 ^o 55	4 ^o 2	14 ^o 16	22 ^o 43	5 ^o 5	20 ^o 52	19 ^o 53	10 ^o 41	7 ^o 43	2 ^o 59	1 ^o 29	25 ^o 49	19 ^o 39
W29	0 31 47	6 ^o 0'59	6 ^o ≈17	5 ^o 48	15 ^o 31	23 ^o 25	5 ^o 10	20 ^o 49	19 ^o 56	10 ^o 40	7 ^o 45	3 ^o 1	1 ^o 26	25 ^o 55	19 ^o 37
T 30	0 35 43	7 ^o ≈0'06	20 ^o ≈6	7 ^o ≈33	16 ^o ≈45	24 ^o ≈8	5 ^o ≈14	20 ^o ≈47	19 ^o ≈59	10 ^o ≈40	7 ^o ≈47	3 ^o ≈2	1 ^o ≈23	26 ^o ≈2	19 ^o ≈34

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁	♁								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
W 1	8n20	23n33	3n 3	14n 4	0s29	8n53	1n25	13s29	0s32	23n 7	0s21	15s28	1s30	17s11	0n16	20n33	1s33	12n28	16n29	10s16	10s27	12n32	9n 9	1n 7
T 2	7 58	19 4	1 56	14 5	0 13	8 25	1 25	13 43	0 33	23 7	0 21	15 30	1 30	17 12	0 16	20 33	1 33	12 27	16 29	10 16	10 28	12 35	9 8	1 7
F 3	7 36	13 23	0 39	14 3	0n 3	7 56	1 25	13 57	0 34	23 7	0 21	15 31	1 30	17 12	0 16	20 33	1 33	12 26	16 29	10 16	10 29	12 38	9 7	1 7
S 4	7 14	6 50	0s41	13 57	0 17	7 27	1 25	14 11	0 35	23 7	0 21	15 32	1 30	17 13	0 16	20 33	1 33	12 25	16 29	10 16	10 31	12 41	9 6	1 7
S 5	6 52	0s10	2 1	13 47	0 31	6 58	1 25	14 25	0 35	23 7	0 21	15 34	1 30	17 13	0 16	20 33	1 33	12 24	16 28	10 16	10 32	12 44	9 5	1 7
M 6	6 29	7 11	3 12	13 34	0 43	6 29	1 24	14 39	0 36	23 7	0 20	15 35	1 30	17 14	0 16	20 33	1 33	12 23	16 28	10 16	10 33	12 47	9 5	1 7
T 7	6 7	13 47	4 10	13 18	0 55	5 59	1 24	14 52	0 37	23 6	0 20	15 37	1 30	17 14	0 16	20 33	1 34	12 22	16 28	10 17	10 34	12 50	9 4	1 7
W 8	5 44	19 32	4 51	12 58	1 5	5 30	1 24	15 6	0 37	23 6	0 20	15 38	1 30	17 15	0 16	20 33	1 34	12 21	16 28	10 17	10 35	12 53	9 3	1 7
T 9	5 22	24 3	5 13	12 35	1 14	5 0	1 23	15 19	0 38	23 6	0 20	15 39	1 30	17 16	0 16	20 33	1 34	12 19	16 28	10 18	10 36	12 56	9 2	1 7
F 10	4 59	27 0	5 15	12 10	1 22	4 30	1 23	15 33	0 38	23 6	0 20	15 40	1 30	17 16	0 16	20 33	1 34	12 18	16 27	10 18	10 37	12 59	9 1	1 7
S 11	4 36	28 15	4 58	11 41	1 29	4 0	1 22	15 46	0 39	23 6	0 20	15 42	1 30	17 17	0 16	20 33	1 34	12 17	16 27	10 18	10 39	13 2	9 0	1 7
S 12	4 13	27 45	4 26	11 9	1 35	3 30	1 22	15 59	0 40	23 6	0 20	15 43	1 30	17 18	0 16	20 33	1 34	12 16	16 27	10 18	10 40	13 5	8 59	1 7
M13	3 50	25 42	3 40	10 36	1 40	3 0	1 21	16 13	0 40	23 6	0 20	15 44	1 30	17 18	0 16	20 33	1 34	12 15	16 27	10 17	10 41	13 8	8 58	1 7
T 14	3 27	22 22	2 44	10 0	1 44	2 29	1 20	16 26	0 41	23 6	0 20	15 45	1 30	17 19	0 16	20 33	1 34	12 14	16 27	10 17	10 42	13 11	8 57	1 7
W15	3 4	18 1	1 41	9 22	1 47	1 59	1 19	16 39	0 42	23 5	0 20	15 46	1 30	17 20	0 16	20 33	1 34	12 14	16 27	10 16	10 43	13 14	8 56	1 6
T 16	2 41	12 59	0 34	8 42	1 49	1 28	1 19	16 51	0 42	23 5	0 20	15 47	1 30	17 20	0 16	20 32	1 34	12 13	16 27	10 16	10 44	13 17	8 55	1 6
F 17	2 17	7 32	0n33	8 1	1 50	0 58	1 18	17 4	0 43	23 5	0 20	15 49	1 30	17 21	0 16	20 32	1 34	12 12	16 27	10 16	10 45	13 20	8 54	1 6
S 18	1 54	1 51	1 38	7 19	1 51	0 27	1 17	17 17	0 43	23 5	0 20	15 50	1 30	17 22	0 16	20 32	1 34	12 11	16 27	10 16	10 46	13 23	8 53	1 6
S 19	1 31	3n49	2 38	6 35	1 50	0s 4	1 16	17 29	0 44	23 5														

SWISS EPHEMERIS for the year 1728

OCTOBER 1728

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 39 40	7♁59'15	4♃22	9♁18	18♁ 0	24♃50	5♁19	20°R45	20♃ 2	10°R39	7♁50	3°R 3	1♃19	26°Y 9	19°R31
S 2	0 43 37	8°58'27	19° 4	11° 2	19°15	25°32	5°23	20°≈42	20° 5	10♃39	7°52	3♃ 2	1°16	26°15	19°Y28
S 3	0 47 33	9°57'40	4♁ 5	12°45	20°30	26°15	5°27	20°40	20° 8	10°38	7°54	2°59	1°13	26°22	19°25
M 4	0 51 30	10°56'56	19°18	14°27	21°44	26°57	5°31	20°38	20°11	10°37	7°57	2°55	1°10	26°29	19°23
T 5	0 55 26	11°56'13	4♃32	16° 9	22°59	27°40	5°35	20°36	20°14	10°37	7°59	2°49	1° 7	26°36	19°20
W 6	0 59 23	12°55'33	19°36	17°50	24°14	28°23	5°39	20°34	20°17	10°36	8° 1	2°43	1° 4	26°42	19°17
T 7	1 3 19	13°54'54	4♃43	19°29	25°29	29° 6	5°42	20°32	20°20	10°35	8° 4	2°37	1° 0	26°49	19°14
F 8	1 7 16	14°54'18	18°45	21° 9	26°44	29°49	5°45	20°31	20°23	10°35	8° 6	2°33	0°57	26°56	19°11
S 9	1 11 12	15°53'43	2♁40	22°47	27°58	0♃32	5°48	20°29	20°27	10°34	8° 8	2°30	0°54	27° 2	19° 8
S 10	1 15 9	16°53'10	16° 8	24°25	29°13	1°15	5°51	20°28	20°30	10°33	8°11	2°D30	0°51	27° 9	19° 5
M11	1 19 6	17°52'38	29°11	26° 2	0♃28	1°58	5°54	20°26	20°33	10°32	8°13	2°30	0°48	27°16	19° 3
T 12	1 23 2	18°52'09	11≈53	27°38	1°43	2°41	5°56	20°25	20°36	10°31	8°15	2°31	0°44	27°22	19° 0
W13	1 26 59	19°51'41	24°18	29°14	2°58	3°24	5°58	20°24	20°40	10°30	8°18	2°33	0°41	27°29	18°57
T 14	1 30 55	20°51'14	6♃29	0♃49	4°12	4° 8	6° 0	20°22	20°43	10°29	8°20	2°R33	0°38	27°36	18°54
F 15	1 34 52	21°50'50	18°32	2°24	5°27	4°51	6° 2	20°21	20°46	10°28	8°22	2°31	0°35	27°43	18°51
S 16	1 38 48	22°50'27	0°Y28	3°57	6°42	5°34	6° 4	20°20	20°50	10°27	8°25	2°28	0°32	27°49	18°48
S 17	1 42 45	23°50'07	12°21	5°31	7°57	6°18	6° 5	20°20	20°53	10°26	8°27	2°21	0°29	27°56	18°45
M18	1 46 41	24°49'48	24°12	7° 3	9°12	7° 2	6° 7	20°19	20°57	10°25	8°29	2°13	0°25	28° 3	18°43
T 19	1 50 38	25°49'32	6♁ 3	8°35	10°26	7°45	6° 8	20°18	21° 0	10°24	8°31	2° 3	0°22	28° 9	18°40
W20	1 54 35	26°49'17	17°56	10° 7	11°41	8°29	6° 9	20°18	21° 3	10°23	8°34	1°52	0°19	28°16	18°37
T 21	1 58 31	27°49'05	29°53	11°38	12°56	9°13	6° 9	20°17	21° 7	10°22	8°36	1°41	0°16	28°23	18°34
F 22	2 2 28	28°48'55	11♃54	13° 8	14°11	9°57	6°10	20°17	21°10	10°21	8°38	1°32	0°13	28°29	18°31
S 23	2 6 24	29°48'46	24° 3	14°38	15°26	10°41	6°10	20°17	21°14	10°19	8°40	1°24	0°10	28°36	18°28
S 24	2 10 21	0♃48'41	6♁23	16° 7	16°40	11°25	6°R10	20°17	21°17	10°18	8°43	1°18	0° 6	28°43	18°26
M25	2 14 17	1°48'37	18°57	17°36	17°55	12° 9	6°10	20°D17	21°21	10°17	8°45	1°15	0° 3	28°50	18°23
T 26	2 18 14	2°48'35	1♁48	19° 4	19°10	12°53	6°10	20°17	21°25	10°16	8°47	1°D14	29≈59	28°56	18°20
W27	2 22 10	3°48'36	15° 1	20°32	20°25	13°38	6° 9	20°17	21°28	10°15	8°49	1°15	29°57	29° 3	18°17
T 28	2 26 7	4°48'39	28°39	21°59	21°40	14°22	6° 9	20°17	21°32	10°13	8°51	1°R15	29°54	29°10	18°15
F 29	2 30 4	5°48'44	12♃44	23°25	22°54	15° 6	6° 8	20°18	21°35	10°12	8°53	1°15	29°50	29°16	18°12
S 30	2 34 0	6°48'51	27°16	24°51	24° 9	15°51	6° 7	20°18	21°39	10°11	8°56	1°12	29°47	29°23	18° 9
S 31	2 37 57	7♃49'00	12♁12	26♃16	25♃24	16♃35	6♁ 5	20≈19	21♃43	10♃ 9	8≈58	1♃ 7	29≈44	29°Y30	18°Y 6

Day	☉			☽			♀		♁		♂		♃		♅		♁		♁		♁		♁		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	3s10	9n49	0s 7	2s41	1n 6	6s10	0n59	19s49	0s51	23n 3	0s19	16s 1	1s30	17s32	0n16	20n31	1s35	11n58	16n26	10s24	11s 1	14n 2	14n 2	8n40	1n 5
S 2	3 34 3	1 1 26	3 27	1 0	6 40	0 57	20 0	0 51	23 3	0 19	16 2	1 30	17 32	0 16	20 31	1 35	11 58	16 26	10 25	11 2	14 5	14 5	8 38	1 5	
S 3	3 57 4s 5	2 21 4 13	0 54 7 10	0 55 20 11	0 52 23 3	0 19 16 2	1 30 17 33	0 16 20 31	1 35 11 57	16 26 10 26	11 4 14 8	8 37 1 5													
M 4	4 20 11 2	3 45 4 58	0 48 7 40	0 53 20 21	0 52 23 3	0 19 16 3	1 30 17 34	0 16 20 31	1 35 11 56	16 26 10 27	11 5 14 10	8 36 1 5													
T 5	4 44 17 20	4 33 5 43	0 42 8 9	0 51 20 31	0 53 23 3	0 19 16 4	1 29 17 35	0 16 20 31	1 35 11 55	16 26 10 29	11 6 14 13	8 35 1 5													
W 6	5 7 22 30	5 2 6 27	0 36 8 39	0 50 20 42	0 53 23 3	0 19 16 4	1 29 17 36	0 16 20 30	1 35 11 54	16 26 10 31	11 7 14 16	8 34 1 5													
T 7	5 30 26 7	5 9 7 12	0 29 9 8	0 48 20 52	0 54 23 3	0 19 16 5	1 29 17 37	0 16 20 30	1 35 11 53	16 26 10 33	11 8 14 19	8 33 1 5													
F 8	5 53 27 56	4 57 7 55	0 22 9 37	0 46 21 1	0 54 23 2	0 19 16 5	1 29 17 37	0 16 20 30	1 35 11 52	16 27 10 35	11 9 14 22	8 32 1 5													
S 9	6 16 27 55	4 28 8 38	0 16 10 6	0 44 21 11	0 55 23 2	0 19 16 6	1 29 17 38	0 15 20 30	1 35 11 52	16 27 10 36	11 10 14 25	8 30 1 5													
S 10	6 39 26 13	3 45 9 20	0 9 10 34	0 41 21 20	0 55 23 2	0 19 16 6	1 29 17 39	0 15 20 30	1 35 11 51	16 27 10 36	11 11 14 28	8 29 1 5													
M11	7 1 23 8	2 50 10 2	0 2 11 2	0 39 21 29	0 55 23 2	0 19 16 6	1 29 17 40	0 15 20 30	1 35 11 50	16 27 10 36	11 13 14 31	8 28 1 5													
T 12	7 24 19 0	1 49 10 44	0s 5 11 30	0 37 21 39	0 56 23 2	0 18 16 7	1 29 17 41	0 15 20 29	1 35 11 49	16 27 10 35	11 14 14 34	8 27 1 5													
W13	7 47 14 9	0 44 11 24	0 12 11 58	0 35 21 47	0 56 23 2	0 18 16 7	1 29 17 42	0 15 20 29	1 35 11 48	16 27 10 35	11 15 14 37	8 26 1 5													
T 14	8 9 8 49	0n21 12 4	0 19 12 26	0 33 21 56	0 57 23 2	0 18 16 7	1 29 17 43	0 15 20 29	1 35 11 48	16 27 10 35	11 16 14 40	8 24 1 4													
F 15	8 32 3 14	1 25 12 43	0 25 12 53	0 30 22 4	0 57 23 2	0 18 16 8	1 29 17 44	0 15 20 29	1 35 11 47	16 27 10 36	11 17 14 42	8 23 1 4													
S 16	8 54 2n24	2 24 13 22	0 32 13 20	0 28 22 13	0 58 23 2	0 18 16 8	1 29 17 45	0 15 20 29	1 35 11 46	16 27 10 37	11 18 14 45	8 22 1 4													
S 17	9 16 7 54	3 17 14 0	0 39 13 46	0 26 22 21	0 58 23 2	0 18 16 8	1 29 17 45	0 15 20 29	1 35 11 45	16 28 10 39	11 19 14 48	8 21 1 4													
M18	9 38 13 7	4 1 14 37	0 46 14 13	0 23 22 29	0 58 23 2	0 18 16 8	1 29 17 46	0 15 20 28	1 35 11 45	16 28 10 42	11 20 14 51	8 20 1 4													
T 19	10 0 17 52	4 34 15 13	0 53 14 39	0 21 22 36	0 59 23 2	0 18 16 8	1 29 17 47	0 15 20 28	1 35 11 44	16 28 10 46	11 22 14 54	8 19 1 4													
W20	10 21 21 56	4 56 15 49	0 59 15 4	0 19 22 44	0 59 23 2	0 18 16 9	1 28 17 48	0 15 20 28	1 35 11 43	16 28 10 50	11 23 14 57	8 17 1 4													
T 21	10 43 25 6	5 4 16 23	1 6 15 29	0 16 22 51	1 0 23 2	0 18 16 9	1 28 17 49	0 15 20 28	1 35 11 43	16 28 10 53	11 24 15 0	8 16 1 4													
F 22	11 4 27 12	4 59 16 57	1 12 15 54	0 14 22 58	1 0 23 2	0 18 16 9	1 28 17 50	0 15 20 28	1 35 11 42	16 29 10 57	11 25 15 3	8 15 1 4													
S 23	11 25 28 2	4 41 17 30	1 18 16 18	0 11 23 5	1 0 23 2	0 18 16 9	1 28 17 51	0 15 20 27	1 35 11 41	16 29 11 0	11 26 15 5	8 14 1 4													
S 24	11 46 27 29	4 10 18 2	1 25 16 42	0 9 23 11	1 1 23 2	0 18 16 9	1 28 17 52	0 15 20 27	1 35 11 41	16 29 11 2	11 27 15 8	8 13 1 4													
M25	12 7 25 32	3 26 18 34	1 31 17 6	0 6 23 18	1 1 23 2	0 18 16 8	1 28 17 53	0 15 20 27	1 35 11 40	16 29 11 3	11 28 15 11	8 12 1 3													
T 26	12 28 22 14	2 30 19 4	1 37 17 29	0 4 23 24	1 1 23 3	0 17 16 8	1 28 17 54	0 15 20 27	1 36 11 39	16 29 11 3	11 29 15 14	8 11 1 3													
W27	12 48 17 43	1 25 19 33	1 42 17 51	0 1 23 30	1 2 23 3	0 17 16 8	1 28 17 55	0 15 20 27	1 36 11 39	16 30 11 3	11 30 15 17	8 9 1 3													
T 28	13 9 12 11	0 14 20 2	1 48 18 14	0s 1 23 35	1 2 23 3	0 17 16 8	1 28 17 56	0 15 20 26	1 36 11 38	16 30 11 3	11 32 15 20	8 8 1 3													
F 29	13 29 5 51	1s 1 20 29	1 53 18 35	0 4 23 41	1 2 23 3	0 17 16 8	1 28 17 57	0 15 20 26	1 36 11 38	16 30 11 3	11 33 15 22	8 7 1 3													
S 30	13 49 0s58	2 14 20 56	1 59 18 56	0																					

SWISS EPHEMERIS for the year 1728

NOVEMBER 1728

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	2 41 53	8♉49'11	27♊24	27♋40	26♌39	17♍20	6°R 4	20♎19	21♏46	10°R 8	9♐0	0°R59	29♑41	29♒36	18°R 4
T 2	2 45 50	9°49'24	12♋43	29° 4	27°54	18° 5	6♐2	20°20	21°50	10♑6	9° 2	0°H50	29°38	29°43	18°Y 1
W 3	2 49 46	10°49'39	27°58	0♒26	29° 8	18°50	6° 0	20°21	21°54	10° 5	9° 4	0°39	29°35	29°50	17°59
T 4	2 53 43	11°49'56	12♌57	1°48	0♒23	19°34	5°58	20°22	21°57	10° 4	9° 6	0°29	29°31	29°57	17°56
F 5	2 57 39	12°50'14	27°32	3° 9	1°38	20°19	5°56	20°23	22° 1	10° 2	9° 8	0°20	29°28	0♒3	17°53
S 6	3 1 36	13°50'34	11♍38	4°28	2°53	21° 4	5°53	20°25	22° 5	10° 1	9°10	0°14	29°25	0°10	17°51
S 7	3 5 33	14°50'55	25°13	5°47	4° 8	21°49	5°51	20°26	22° 8	9°59	9°12	0°10	29°22	0°17	17°48
M 8	3 9 29	15°51'17	8♎20	7° 4	5°22	22°34	5°48	20°27	22°12	9°58	9°14	0° 8	29°19	0°23	17°46
T 9	3 13 26	16°51'41	21° 2	8°19	6°37	23°19	5°45	20°29	22°16	9°56	9°16	0°D 8	29°16	0°30	17°44
W10	3 17 22	17°52'07	3♏24	9°33	7°52	24° 5	5°41	20°31	22°19	9°55	9°18	0°R 8	29°12	0°37	17°41
T 11	3 21 19	18°52'33	15°31	10°45	9° 7	24°50	5°38	20°32	22°23	9°53	9°20	0° 8	29° 9	0°44	17°39
F 12	3 25 15	19°53'01	27°28	11°54	10°21	25°35	5°34	20°34	22°27	9°51	9°22	0° 5	29° 6	0°50	17°36
S 13	3 29 12	20°53'31	9°Y19	13° 1	11°36	26°21	5°31	20°36	22°31	9°50	9°24	29♑59	29° 3	0°57	17°34
S 14	3 33 8	21°54'01	21° 9	14° 6	12°51	27° 6	5°27	20°38	22°34	9°48	9°26	29°50	29° 0	1° 4	17°32
M15	3 37 5	22°54'33	3♐0	15° 7	14° 6	27°51	5°22	20°40	22°38	9°47	9°27	29°39	28°56	1°10	17°30
T 16	3 41 2	23°55'07	14°54	16° 5	15°20	28°37	5°18	20°42	22°42	9°45	9°29	29°25	28°53	1°17	17°28
W17	3 44 58	24°55'42	26°53	16°58	16°35	29°23	5°13	20°45	22°45	9°43	9°31	29°10	28°50	1°24	17°25
T 18	3 48 55	25°56'19	8♑57	17°47	17°50	0♒8	5° 9	20°47	22°49	9°42	9°33	28°56	28°47	1°30	17°23
F 19	3 52 51	26°56'57	21° 9	18°31	19° 4	0°54	5° 4	20°50	22°53	9°40	9°35	28°42	28°44	1°37	17°21
S 20	3 56 48	27°57'37	3♒28	19° 9	20°19	1°40	4°59	20°52	22°57	9°39	9°36	28°31	28°41	1°44	17°19
S 21	4 0 44	28°58'18	15°56	19°41	21°34	2°25	4°53	20°55	23° 0	9°37	9°38	28°23	28°37	1°51	17°17
M22	4 4 41	29°59'01	28°36	20° 5	22°48	3°11	4°48	20°58	23° 4	9°35	9°40	28°18	28°34	1°57	17°15
T 23	4 8 37	0♒59'45	11♊30	20°21	24° 3	3°57	4°42	21° 1	23° 8	9°34	9°41	28°15	28°31	2° 4	17°13
W24	4 12 34	2° 0'31	24°40	20°R28	25°18	4°43	4°37	21° 4	23°11	9°32	9°43	28°15	28°28	2°11	17°12
T 25	4 16 31	3° 1'19	8♌10	20°26	26°33	5°29	4°31	21° 7	23°15	9°30	9°45	28°15	28°25	2°17	17°10
F 26	4 20 27	4° 2'08	22° 2	20°13	27°47	6°15	4°25	21°10	23°19	9°28	9°46	28°14	28°22	2°24	17° 8
S 27	4 24 24	5° 2'58	6♌18	19°50	29° 2	7° 1	4°19	21°13	23°22	9°27	9°48	28°11	28°18	2°31	17° 6
S 28	4 28 20	6° 3'50	20°55	19°15	0♑16	7°47	4°12	21°17	23°26	9°25	9°49	28° 6	28°15	2°38	17° 5
M29	4 32 17	7° 4'43	5♌50	18°29	1°31	8°33	4° 6	21°20	23°30	9°23	9°51	27°57	28°12	2°44	17° 3
T 30	4 36 13	8♌5'38	20♌55	17♌33	2♑46	9♒20	3♒59	21♌24	23♌33	9♑22	9♑52	27♌47	28♌9	2♒51	17°Y 1

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	14s28	14s29	4s12	21s45	2s 8	19s37	0s11	23s55	1s 3	23n 3	0s17	16s 7	1s28	18s 0	0n15	20n26	1s36	11n36	16n31	11s 8	11s36	15n31	8n 4	1n 3
T 2	14 47	20 14	4 47	22 8	2 13	19 57	0 14	24 0	1 4	23 3	0 17	16 7	1 27	18 0	0 15	20 25	1 36	11 35	16 31	11 12	11 37	15 34	8 3	1 3
W 3	15 6	24 38	5 2	22 30	2 17	20 16	0 17	24 4	1 4	23 4	0 17	16 6	1 27	18 1	0 15	20 25	1 36	11 35	16 32	11 16	11 38	15 36	8 2	1 3
T 4	15 25	27 16	4 55	22 51	2 21	20 34	0 19	24 8	1 4	23 4	0 17	16 6	1 27	18 2	0 15	20 25	1 36	11 34	16 32	11 19	11 39	15 39	8 0	1 2
F 5	15 43	27 56	4 29	23 11	2 24	20 52	0 22	24 12	1 5	23 4	0 17	16 6	1 27	18 3	0 15	20 25	1 36	11 34	16 32	11 22	11 41	15 42	7 59	1 2
S 6	16 1	26 44	3 47	23 29	2 28	21 10	0 24	24 15	1 5	23 4	0 17	16 5	1 27	18 4	0 15	20 24	1 36	11 33	16 33	11 25	11 42	15 45	7 58	1 2
S 7	16 19	23 58	2 54	23 46	2 31	21 27	0 27	24 18	1 5	23 4	0 16	16 5	1 27	18 5	0 15	20 24	1 36	11 33	16 33	11 26	11 43	15 48	7 57	1 2
M 8	16 37	20 2	1 53	24 2	2 33	21 43	0 29	24 21	1 5	23 5	0 16	16 4	1 27	18 6	0 15	20 24	1 36	11 32	16 33	11 26	11 44	15 50	7 56	1 2
T 9	16 54	15 16	0 48	24 17	2 35	21 58	0 32	24 24	1 6	23 5	0 16	16 3	1 27	18 7	0 15	20 24	1 36	11 32	16 34	11 26	11 45	15 53	7 55	1 2
W10	17 11	10 1	0n17	24 30	2 36	22 13	0 34	24 26	1 6	23 5	0 16	16 3	1 27	18 8	0 15	20 23	1 36	11 32	16 34	11 26	11 46	15 56	7 54	1 2
T 11	17 28	4 29	1 20	24 41	2 37	22 27	0 37	24 29	1 6	23 5	0 16	16 2	1 27	18 9	0 15	20 23	1 36	11 31	16 34	11 27	11 47	15 59	7 53	1 2
F 12	17 44	1n 7	2 19	24 51	2 38	22 41	0 39	24 31	1 6	23 6	0 16	16 2	1 27	18 10	0 15	20 23	1 36	11 31	16 35	11 28	11 48	16 2	7 52	1 2
S 13	18 0	6 38	3 11	25 0	2 37	22 54	0 42	24 32	1 7	23 6	0 16	16 1	1 27	18 11	0 15	20 23	1 36	11 30	16 35	11 30	11 49	16 4	7 51	1 1
S 14	18 16	11 53	3 55	25 7	2 37	23 6	0 44	24 33	1 7	23 6	0 16	16 0	1 26	18 12	0 15	20 22	1 36	11 30	16 35	11 33	11 51	16 7	7 50	1 1
M15	18 32	16 43	4 28	25 13	2 35	23 18	0 47	24 35	1 7	23 6	0 16	15 59	1 26	18 13	0 15	20 22	1 36	11 30	16 36	11 37	11 52	16 10	7 49	1 1
T 16	18 47	20 57	4 50	25 17	2 32	23 29	0 49	24 35	1 7	23 7	0 16	15 59	1 26	18 14	0 15	20 22	1 36	11 29	16 36	11 42	11 53	16 13	7 48	1 1
W17	19 2	24 20	4 59	25 19	2 29	23 39	0 51	24 36	1 7	23 7	0 16	15 58	1 26	18 15	0 15	20 22	1 36	11 29	16 37	11 47	11 54	16 15	7 47	1 1
T 18	19 16	26 41	4 55	25 19	2 25	23 49	0 54	24 36	1 8	23 7	0 15	15 57	1 26	18 16	0 15	20 21	1 36	11 29	16 37	11 52	11 55	16 18	7 46	1 1
F 19	19 30	27 47	4 37	25 18	2 20	23 57	0 56	24 36	1 8	23 7	0 15	15 56	1 26	18 17	0 15	20 21	1 36	11 28	16 37	11 57	11 56	16 21	7 46	1 1
S 20	19 44	27 32	4 6	25 15	2 13	24 5	0 58	24 36	1 8	23 8	0 15	15 55	1 26	18 18	0 15	20 21	1 36	11 28	16 38	12 0	11 57	16 24	7 45	1 1
S 21	19 58	25 53	3 23	25 10	2 6	24 13	1 1	24 35	1 8	23 8	0 15	15 54	1 26	18 19	0 15	20 21	1 36	11 28	16 38	12 3	11 58	16 26	7 44	1 0
M22	20 11	22 55	2 30	25 3	1 57	24 20	1 3	24 35	1 8	23 8	0 15	15 53	1 26	18 20	0 15	20 20	1 36	11 28	16 39	12 5	11 59	16 29	7 43	1 0
T 23	20 23	18 45	1 27	24 54	1 47	24 25	1 5	24 34	1 8	23 9	0 15	15 52	1 26	18 21	0 15	20 20	1 36	11 27	16 39	12 6	12 0	16 32	7 42	1 0
W24	20 36	13 37	0 19	24 43	1 35	24 31	1 7	24 32	1 9	23 9	0 15	15 51	1 26	18 21	0 15	20 20	1 36	11 27	16 40	12 6	12 2	16 35	7 41	1 0
T 25	20 48	7 43	0s2	24 30	1 22	24 35	1 9	24 31	1 9	23 9	0 15	15 50	1 26	18 22	0 15	20 20	1 36	11 27	16 40	12 6	12 3	16 37	7 40	1 0
F 26	20 59	1 18	2 2	24 14	1 7	24 39	1 11	24 29	1 9	23 10	0 15	15 49	1 26	18 23	0 15	20 19	1 36	11 27	16 41	12 6	12 4	16 40	7 40	1 0
S 27	21 10	5s21	3 6	23 56	0 51	24 42	1 13	24 26	1 9	23 10	0 14	15 48	1 25	18 24	0 15	20 19	1 36	11 27	16 41	12 7	12 5	16 43	7 39	1 0
S 28	21 21	11 53	4 0	23 36	0 34	24 44	1 15	24 24	1 9	23 10	0 14	15 47	1 25	18 25	0 15	20 19	1 36	11 26	16 41	12 9	12 6	16 45	7 38	1 0
M29	21 32	17 52	4 39	23 14	0 15	24 45	1 17	24 21	1 9	23 11	0 14	15 45	1 25	18 26	0 15	20 19	1 36	11 26	16 42	12 12	12 7	16 48	7 37	0 59

SWISS EPHEMERIS for the year 1728

DECEMBER 1728

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 40 10	9♁ 6'34	6♁ 0	16°R27	4♁ 0	10♁ 6	3°R53	21♁27	23♁37	9°R20	9♁54	27°R35	28♁ 6	2♁58	17°R 0
T 2	4 44 6	10° 7'31	20°56	15♁14	5°15	10°52	3♁46	21°31	23°41	9♁18	9°55	27♁24	28° 2	3° 4	16°V58
F 3	4 48 3	11° 8'29	5♁33	13°54	6°30	11°39	3°39	21°35	23°44	9°17	9°57	27°14	27°59	3°11	16°57
S 4	4 52 0	12° 9'28	19°43	12°32	7°44	12°25	3°32	21°39	23°48	9°15	9°58	27° 6	27°56	3°18	16°56
S 5	4 55 56	13°10'28	3♁25	11° 9	8°59	13°12	3°25	21°43	23°51	9°13	9°59	27° 2	27°53	3°25	16°54
M 6	4 59 53	14°11'28	16°39	9°49	10°13	13°58	3°17	21°47	23°55	9°12	10° 0	26°59	27°50	3°31	16°53
T 7	5 3 49	15°12'29	29°26	8°33	11°28	14°45	3°10	21°51	23°59	9°10	10° 2	26°D59	27°47	3°38	16°52
W 8	5 7 46	16°13'30	11♁51	7°25	12°43	15°31	3° 2	21°55	24° 2	9° 8	10° 3	26°R59	27°43	3°45	16°51
T 9	5 11 42	17°14'32	24° 0	6°26	13°57	16°18	2°55	22° 0	24° 6	9° 6	10° 4	26°59	27°40	3°51	16°50
F 10	5 15 39	18°15'34	5♁58	5°37	15°12	17° 4	2°47	22° 4	24° 9	9° 5	10° 5	26°57	27°37	3°58	16°49
S 11	5 19 36	19°16'37	17°49	5° 0	16°26	17°51	2°40	22° 9	24°13	9° 3	10° 6	26°53	27°34	4° 5	16°48
S 12	5 23 32	20°17'40	29°39	4°33	17°41	18°38	2°32	22°13	24°16	9° 1	10° 8	26°47	27°31	4°12	16°47
M13	5 27 29	21°18'44	11♁31	4°17	18°55	19°25	2°24	22°18	24°19	9° 0	10° 9	26°38	27°28	4°18	16°46
T 14	5 31 25	22°19'48	23°29	4°D12	20° 9	20°11	2°16	22°22	24°23	8°58	10°10	26°26	27°24	4°25	16°45
W15	5 35 22	23°20'53	5♁35	4°17	21°24	20°58	2° 8	22°27	24°26	8°56	10°11	26°14	27°21	4°32	16°44
T 16	5 39 18	24°21'59	17°50	4°31	22°38	21°45	2° 0	22°32	24°30	8°55	10°12	26° 2	27°18	4°38	16°44
F 17	5 43 15	25°23'04	0♁15	4°53	23°53	22°32	1°52	22°37	24°33	8°53	10°13	25°50	27°15	4°45	16°43
S 18	5 47 11	26°24'11	12°50	5°23	25° 7	23°19	1°44	22°42	24°36	8°52	10°14	25°41	27°12	4°52	16°42
S 19	5 51 8	27°25'18	25°36	5°59	26°21	24° 6	1°36	22°47	24°40	8°50	10°14	25°34	27° 8	4°59	16°42
M20	5 55 5	28°26'25	8♁32	6°42	27°36	24°53	1°28	22°52	24°43	8°48	10°15	25°30	27° 5	5° 5	16°41
T 21	5 59 1	29°27'33	21°40	7°30	28°50	25°40	1°20	22°57	24°46	8°47	10°16	25°D29	27° 2	5°12	16°41
W22	6 2 58	0♁28'41	5♁ 0	8°23	0♁ 4	26°27	1°12	23° 3	24°49	8°45	10°17	25°29	26°59	5°19	16°41
T 23	6 6 54	1°29'50	18°34	9°20	1°18	27°14	1° 3	23° 8	24°52	8°44	10°18	25°30	26°56	5°25	16°40
F 24	6 10 51	2°31'00	2♁22	10°20	2°33	28° 1	0°55	23°14	24°56	8°42	10°18	25°R31	26°53	5°32	16°40
S 25	6 14 47	3°32'10	16°26	11°24	3°47	28°48	0°47	23°19	24°59	8°41	10°19	25°30	26°49	5°39	16°40
S 26	6 18 44	4°33'20	0♁45	12°31	5° 1	29°35	0°39	23°25	25° 2	8°39	10°20	25°27	26°46	5°46	16°40
M27	6 22 40	5°34'31	15°16	13°41	6°15	0♁22	0°31	23°30	25° 5	8°38	10°20	25°22	26°43	5°52	16°D40
T 28	6 26 37	6°35'43	29°55	14°52	7°29	1° 9	0°23	23°36	25° 8	8°36	10°21	25°15	26°40	5°59	16°40
W29	6 30 34	7°36'54	14♁35	16° 6	8°43	1°57	0°15	23°42	25°11	8°35	10°21	25° 7	26°37	6° 6	16°40
T 30	6 34 30	8°38'06	29° 9	17°22	9°57	2°44	0° 7	23°47	25°14	8°33	10°22	24°59	26°34	6°12	16°40
F 31	6 38 27	9♁39'18	13♁30	18♁39	11♁11	3♁31	29♁59	23♁53	25♁17	8♁32	10♁22	24♁52	26♁30	6♁19	16°V40

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	21s51	26s13	4s57	22s23	0n25	24s46	1s21	24s15	1s 9	23n11	0s14	15s43	1s25	18s28	0n15	20n18	1s36	11n26	16n43	12s20	12s 9	16n53	7n36	0n59
T 2	22 0 27 45	4 36	21 55	0 45	24 45	1 23	24 11	1 10	23 11	0 14	15 42	1 25	18 29	0 15	20 18	1 36	11 26	16 43	12 24	12 10	16 56	7 35	0 59	
F 3	22 9 27 18	3 57	21 26	1 5	24 43	1 24	24 7	1 10	23 12	0 14	15 40	1 25	18 30	0 15	20 18	1 36	11 26	16 44	12 27	12 11	16 59	7 35	0 59	
S 4	22 17 25 3	3 4	20 56	1 24	24 41	1 26	24 3	1 10	23 12	0 14	15 39	1 25	18 31	0 15	20 17	1 36	11 26	16 44	12 30	12 13	17 2	7 34	0 59	
S 5	22 25 21 23	2 1	20 27	1 43	24 38	1 28	23 59	1 10	23 12	0 14	15 38	1 25	18 32	0 15	20 17	1 36	11 26	16 45	12 31	12 14	17 4	7 33	0 59	
M 6	22 32 16 44	0 55	20 0	1 59	24 34	1 29	23 54	1 10	23 13	0 13	15 36	1 25	18 32	0 15	20 17	1 36	11 26	16 45	12 32	12 15	17 7	7 33	0 59	
T 7	22 39 11 29	0n13	19 34	2 14	24 29	1 31	23 49	1 10	23 13	0 13	15 35	1 25	18 33	0 15	20 17	1 36	11 26	16 46	12 32	12 16	17 10	7 32	0 58	
W 8	22 46 5 55	1 18	19 11	2 26	24 24	1 32	23 44	1 10	23 13	0 13	15 33	1 25	18 34	0 15	20 17	1 36	11 26	16 47	12 32	12 17	17 12	7 32	0 58	
T 9	22 52 0 16	2 18	18 52	2 36	24 18	1 34	23 38	1 10	23 14	0 13	15 32	1 25	18 35	0 15	20 16	1 36	11 26	16 47	12 32	12 18	17 15	7 31	0 58	
F 10	22 57 5n18	3 11	18 36	2 43	24 11	1 35	23 33	1 10	23 14	0 13	15 31	1 25	18 36	0 15	20 16	1 36	11 26	16 48	12 33	12 19	17 17	7 31	0 58	
S 11	23 3 10 38	3 56	18 24	2 49	24 3	1 36	23 26	1 10	23 14	0 13	15 29	1 25	18 37	0 15	20 16	1 36	11 26	16 48	12 34	12 20	17 20	7 30	0 58	
S 12	23 7 15 34	4 30	18 16	2 52	23 55	1 38	23 20	1 10	23 15	0 13	15 27	1 24	18 38	0 15	20 16	1 36	11 26	16 49	12 36	12 21	17 23	7 30	0 58	
M13	23 11 19 56	4 52	18 11	2 54	23 46	1 39	23 14	1 10	23 15	0 12	15 26	1 24	18 38	0 15	20 15	1 36	11 26	16 49	12 40	12 22	17 25	7 29	0 58	
T 14	23 15 23 32	5 2	18 11	2 53	23 36	1 40	23 7	1 10	23 15	0 12	15 24	1 24	18 39	0 15	20 15	1 36	11 26	16 50	12 43	12 24	17 28	7 29	0 58	
W15	23 19 26 10	4 58	18 13	2 52	23 26	1 41	23 0	1 10	23 15	0 12	15 23	1 24	18 40	0 15	20 15	1 36	11 26	16 50	12 48	12 25	17 31	7 28	0 57	
T 16	23 21 27 35	4 41	18 19	2 49	23 15	1 42	22 52	1 10	23 16	0 12	15 21	1 24	18 41	0 15	20 15	1 36	11 26	16 51	12 52	12 26	17 33	7 28	0 57	
F 17	23 24 27 39	4 10	18 27	2 45	23 3	1 43	22 45	1 10	23 16	0 12	15 19	1 24	18 42	0 15	20 14	1 36	11 27	16 51	12 56	12 27	17 36	7 28	0 57	
S 18	23 26 26 17	3 27	18 37	2 40	22 50	1 43	22 37	1 10	23 16	0 12	15 18	1 24	18 43	0 15	20 14	1 36	11 27	16 52	12 59	12 28	17 39	7 27	0 57	
S 19	23 27 23 33	2 33	18 49	2 34	22 37	1 44	22 28	1 10	23 16	0 12	15 16	1 24	18 43	0 15	20 14	1 36	11 27	16 53	13	1 12	29	17 41	7 27	0 57
M20	23 28 19 36	1 29	19 2	2 27	22 23	1 45	22 20	1 10	23 17	0 12	15 14	1 24	18 44	0 15	20 14	1 36	11 27	16 53	13	2 12	30	17 44	7 27	0 57
T 21	23 29 14 38	0 20	19 17	2 21	22 9	1 45	22 11	1 10	23 17	0 11	15 12	1 24	18 45	0 15	20 14	1 36	11 27	16 54	13	3 12	31	17 46	7 26	0 57
W22	23 29 8 54	0s51	19 33	2 13	21 54	1 46	22 2	1 10	23 17	0 11	15 11	1 24	18 46	0 15	20 13	1 36	11 28	16 54	13	3 12	32	17 49	7 26	0 56
T 23	23 28 2 41	2 1	19 49	2 6	21 38	1 46	21 53	1 10	23 17	0 11	15 9	1 24	18 47	0 15	20 13	1 36	11 28	16 55	13	2 12	33	17 52	7 26	0 56
F 24	23 27 3s46	3 5	20 6	1 58	21 21	1 47	21 44	1 10	23 17	0 11	15 7	1 24	18 47	0 15	20 13	1 36	11 28	16 55	13	2 12	34	17 54	7 26	0 56
S 25	23 26 10 9	3 59	20 23	1 49	21 4	1 47	21 34	1 10	23 18	0 11	15 5	1 24	18 48	0 15	20 13	1 36	11 28	16 56	13	2 12	35	17 57	7 25	0 56
S 26	23 24 16 6	4 39	20 40	1 41	20 47	1 47	21 24	1 10	23 18	0 11	15 3	1 24	18 49	0 15	20 12	1 35	11 29	16 57	13	3 12	37	17 59	7 25	0 56
M27	23 22 21 15	5 2	20 57	1 33	20 28	1 47	21 14	1 9	23 18	0 11	15 1	1 24	18 50	0 15	20 12	1 35	11 29	16 57	13	5 12	38	18 2	7 25	0 56
T 28	23 19 25 8	5 6	21 13	1 24	20 9	1 47	21 4	1 9	23 18	0 10	14 59	1 24	18 50	0 15	20 12	1 35	11 29	16 58	13	7 12	39	18 4	7 25	0 56
W29	23																							