

SWISS EPHEMERIS for the year 1581

JANUARY 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	7 21 13	20°38'15	23♈ 8	9♋31	5♌24	28♍59	1♎27	16♏ 2	13♐46	14°R21	1♑52	7°R34	8♒25	15♓27	2♊50
M 2	7 25 10	21°49'23	7♌ 0	10°17	6°32	29° 5	1°41	16° 9	13°49	14♑20	1°53	7♒32	8°22	15°34	2°51
T 3	7 29 6	22°50'30	21°18	10°55	7°40	29°12	1°54	16°15	13°52	14°18	1°53	7°30	8°18	15°41	2°53
W 4	7 33 3	23°51'37	6♌ 0	11°24	8°48	29°19	2° 8	16°22	13°56	14°16	1°54	7°28	8°15	15°47	2°55
T 5	7 37 0	24°52'43	21° 0	11°42	9°57	29°27	2°21	16°29	13°59	14°15	1°55	7°27	8°12	15°54	2°56
F 6	7 40 56	25°53'49	6♌ 8	11°R50	11° 5	29°36	2°34	16°36	14° 2	14°13	1°56	7°D27	8° 9	16° 1	2°58
S 7	7 44 53	26°54'53	21°16	11°46	12°14	29°46	2°47	16°43	14° 6	14°11	1°56	7°27	8° 6	16° 7	3° 0
S 8	7 48 49	27°55'57	6♌14	11°31	13°23	29°56	3° 1	16°50	14° 9	14°10	1°57	7°28	8° 3	16°14	3° 2
M 9	7 52 46	28°56'59	20°55	11° 4	14°32	0♍ 7	3°14	16°57	14°12	14° 8	1°58	7°29	7°59	16°21	3° 4
T 10	7 56 42	29°58'01	5♌14	10°27	15°41	0°18	3°27	17° 4	14°16	14° 6	1°58	7°29	7°56	16°27	3° 6
W 11	8 0 39	0♍59'01	19°10	9°39	16°50	0°30	3°40	17°11	14°19	14° 5	1°59	7°30	7°53	16°34	3° 8
T 12	8 4 35	2° 0'00	2♌41	8°42	17°59	0°42	3°53	17°18	14°23	14° 3	2° 0	7°R30	7°50	16°41	3°10
F 13	8 8 32	3° 0'58	15°51	7°38	19° 9	0°55	4° 6	17°25	14°26	14° 2	2° 1	7°30	7°47	16°47	3°12
S 14	8 12 29	4° 1'55	28°39	6°28	20°18	1° 9	4°19	17°32	14°30	14° 0	2° 2	7°30	7°44	16°54	3°15
S 15	8 16 25	5° 2'50	11♈10	5°14	21°28	1°23	4°32	17°39	14°33	13°58	2° 3	7°29	7°40	17° 1	3°17
M 16	8 20 22	6° 3'44	23°28	4° 0	22°38	1°37	4°45	17°46	14°36	13°57	2° 4	7°29	7°37	17° 7	3°19
T 17	8 24 18	7° 4'37	5♌35	2°47	23°48	1°52	4°57	17°53	14°40	13°55	2° 4	7°D29	7°34	17°14	3°21
W 18	8 28 15	8° 5'29	17°34	1°36	24°58	2° 8	5°10	18° 1	14°43	13°54	2° 5	7°29	7°31	17°20	3°24
T 19	8 32 11	9° 6'19	29°27	0°30	26° 8	2°24	5°23	18° 8	14°47	13°52	2° 6	7°29	7°28	17°27	3°26
F 20	8 36 8	10° 7'08	11♈16	29♌30	27°18	2°40	5°35	18°15	14°50	13°51	2° 7	7°R29	7°24	17°34	3°29
S 21	8 40 4	11° 7'56	23° 4	28°37	28°28	2°57	5°48	18°22	14°54	13°49	2° 8	7°29	7°21	17°40	3°31
S 22	8 44 1	12° 8'42	4♍53	27°51	29°39	3°15	6° 0	18°29	14°57	13°48	2° 9	7°28	7°18	17°47	3°34
M 23	8 47 58	13° 9'28	16°44	27°14	0♌49	3°33	6°13	18°36	15° 1	13°46	2°10	7°28	7°15	17°54	3°36
T 24	8 51 54	14°10'12	28°42	26°45	2° 0	3°51	6°25	18°44	15° 4	13°45	2°11	7°27	7°12	18° 0	3°39
W 25	8 55 51	15°10'55	10♌47	26°24	3°11	4° 9	6°37	18°51	15° 8	13°44	2°12	7°26	7° 9	18° 7	3°42
T 26	8 59 47	16°11'37	23° 5	26°11	4°21	4°28	6°50	18°58	15°11	13°42	2°14	7°25	7° 5	18°14	3°44
F 27	9 3 44	17°12'17	5♌38	26°D 6	5°32	4°48	7° 2	19° 5	15°15	13°41	2°15	7°24	7° 2	18°20	3°47
S 28	9 7 40	18°12'57	18°30	26° 8	6°43	5° 8	7°14	19°13	15°18	13°39	2°16	7°D24	6°59	18°27	3°50
S 29	9 11 37	19°13'36	1♌45	26°17	7°54	5°28	7°26	19°20	15°22	13°38	2°17	7°24	6°56	18°34	3°53
M 30	9 15 33	20°14'13	15°25	26°33	9° 5	5°48	7°38	19°27	15°25	13°37	2°18	7°25	6°53	18°40	3°56
T 31	9 19 30	21°14'49	29♌30	26♌54	10♌16	6♍ 9	7°50	19°34	15°29	13°36	2°19	7°26	6°50	18°47	3°59

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat											
S 1	21s53	23s31	5s 5	18s 5	0s10	18s27	2n51	22n27	2n32	23s19	0n10	17s 7	1s 6	17s22	0s39	22n 0	0s43	14s34	16s44	18s25	18s12	15n38	3n18	2n22
M 2	21 43 26	3 4 36	17 38	0n 5	18 40	2 49	22 28	2 32	23 19	0 10	17 5	1 6	17 21	0 39	22 0	0 43	14 33	16 43	18 26	18 13	15 35	3 18	2 22	
T 3	21 33 27	1 3 49	17 12	0 21	18 54	2 47	22 29	2 32	23 19	0 10	17 3	1 6	17 20	0 39	22 1	0 43	14 33	16 43	18 26	18 14	15 32	3 19	2 22	
W 4	21 23 26	7 2 46	16 48	0 38	19 6	2 45	22 31	2 31	23 19	0 9	17 1	1 6	17 19	0 39	22 1	0 43	14 32	16 43	18 27	18 15	15 30	3 19	2 22	
T 5	21 12 23	20 1 30	16 26	0 55	19 19	2 43	22 33	2 31	23 19	0 9	16 59	1 6	17 18	0 39	22 1	0 43	14 32	16 42	18 27	18 15	15 27	3 20	2 21	
F 6	21 1 18	54 0 7	16 7	1 13	19 31	2 40	22 34	2 31	23 19	0 9	16 57	1 6	17 17	0 39	22 1	0 43	14 31	16 42	18 27	18 16	15 24	3 21	2 21	
S 7	20 49 13	15 15	15 50	1 31	19 42	2 38	22 36	2 31	23 19	0 9	16 55	1 6	17 16	0 39	22 1	0 43	14 30	16 42	18 27	18 17	15 21	3 21	2 21	
S 8	20 37 6	5 33	15 37	1 49	19 53	2 35	22 38	2 31	23 19	0 9	16 53	1 6	17 15	0 39	22 2	0 43	14 30	16 41	18 27	18 18	15 18	3 22	2 21	
M 9	20 25 0	16 3 39	15 27	2 7	20 4	2 33	22 40	2 30	23 18	0 9	16 51	1 6	17 14	0 39	22 2	0 43	14 29	16 41	18 27	18 19	15 16	3 22	2 21	
T 10	20 12 6	n12 4	29 15	21 2	20 14	2 30	22 42	2 30	23 18	0 9	16 48	1 6	17 13	0 39	22 2	0 43	14 29	16 41	18 26	18 20	15 13	3 23	2 20	
W 11	19 59 12	10 5 2	15 18	2 41	20 24	2 27	22 45	2 30	23 18	0 9	16 46	1 6	17 12	0 39	22 2	0 43	14 28	16 40	18 26	18 20	15 10	3 24	2 20	
T 12	19 46 17	23 5 17	15 18	2 55	20 33	2 25	22 47	2 30	23 18	0 9	16 44	1 6	17 11	0 39	22 2	0 43	14 27	16 40	18 26	18 21	15 7	3 24	2 20	
F 13	19 32 21	38 5 15	15 22	3 9	20 42	2 22	22 50	2 29	23 17	0 9	16 42	1 6	17 10	0 39	22 3	0 43	14 27	16 40	18 26	18 22	15 4	3 25	2 20	
S 14	19 18 24	43 4 57	15 29	3 19	20 50	2 19	22 52	2 29	23 17	0 9	16 40	1 6	17 9	0 39	22 3	0 43	14 26	16 39	18 26	18 23	15 1	3 26	2 20	
S 15	19 3 26	32 4 25	15 38	3 28	20 58	2 16	22 55	2 29	23 17	0 9	16 38	1 6	17 8	0 39	22 3	0 43	14 26	16 39	18 27	18 24	14 59	3 26	2 20	
M 16	18 48 27	1 3 41	15 50	3 34	21 5	2 13	22 57	2 28	23 16	0 8	16 36	1 6	17 7	0 39	22 3	0 43	14 25	16 39	18 27	18 24	14 56	3 27	2 19	
T 17	18 33 26	11 2 48	16 3	3 38	21 11	2 10	23 0	2 28	23 16	0 8	16 33	1 6	17 6	0 39	22 3	0 43	14 24	16 38	18 27	18 25	14 53	3 28	2 19	
W 18	18 17 24	8 1 49	16 17	3 39	21 18	2 6	23 3	2 28	23 15	0 8	16 31	1 6	17 5	0 39	22 3	0 43	14 24	16 38	18 27	18 26	14 50	3 29	2 19	
T 19	18 1 21	2 0	45 16	32 3 38	21 23	2 3 23	6 2 27	23 15	0 8	16 29	1 6	17 4	0 39	22 4	0 43	14 23	16 38	18 27	18 27	14 47	3 30	2 19		
F 20	17 45 17	6 0s21	16 48	3 35	21 28	2 0	23 9	2 27	23 15	0 8	16 27	1 7	17 3	0 39	22 4	0 43	14 22	16 38	18 27	18 28	14 44	3 30	2 19	
S 21	17 28 12	31 1 26	17 3	3 30	21 33	1 57	23 12	2 26	23 14	0 8	16 25	1 7	17 2	0 39	22 4	0 43	14 22	16 37	18 27	18 29	14 42	3 31	2 18	
S 22	17 12 7	28 2 27	17 19	3 23	21 36	1 53	23 15	2 26	23 14	0 8	16 23	1 7	17 1	0 39	22 4	0 43	14 21	16 37	18 27	18 29	14 39	3 32	2 18	
M 23	16 54 2	9 3 21	17 34	3 15	21 40	1 50	23 18	2 26	23 13	0 8	16 20	1 7	17 0	0 39	22 4	0 43	14 21	16 37	18 27	18 30	14 36	3 33	2 18	
T 24	16 37 3	s16 4	8 17	49 3 6	21 42	1 46	23 21	2 25	23 13	0 8	16 18	1 7	16 59	0 39	22 4	0 43	14 20	16 37	18 27	18 31	14 33	3 34	2 18	
W 25	16 19 8	38 4 44	18 3	2 56	21 44	1 43	23 24	2 25	23 12	0 8	16 16	1 7	16 58	0 39	22 5	0 43	14 19	16 36	18 27	18 32	14 30	3 35	2 18	
T 26	16 1 13	45 5 8	18 16	2 45	21 46	1 40	23 27	2 24	23 12	0 8	16 14	1 7	16 57	0 39	22 5	0 43	14 19	16 36	18 28	18 33	14 27	3 36	2 18	
F 27	15 43 18	24 5 17	18 28	2 33	21 47	1 36	23 30	2 24	23 11	0 7	16 12	1 7	16 56	0 39	22 5	0 43	14 18	16 36	18 28	18 33	14 24	3 37	2 17	
S 28	15 24 22	21 5 11	18 39	2 21	21 47	1 32	23 33	2 23	23 10	0 7	16 9	1 7	16 55	0 39	22 5	0 43	14 17	16 35	18 28	18 34	14 21	3 38	2 17	
S 29	15 5 25	17 4 49	18 49	2 9	21 47	1 29	23 37	2 23	23 10	0 7	16 7	1 7	16 54	0 39	22 5	0 43	14 17	16 35	18 28	18 35	14 19	3 39	2 17	
M 30	14																							

SWISS EPHEMERIS for the year 1581

FEBRUARY 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
W 1	9 23 27	22°15'24	14°32' 2	27°32'11	11°38'28	6°11'30	8°31' 1	19°41'19	15°32'15	13°34'13	2°20'27	7°27'27	6°46'18	18°54'18	4°1'47
T 2	9 27 23	23°15'58	28°54' 2	27°53'12	12°39'12	6°52' 8	8°13' 8	19°49'19	15°35'13	13°32'13	2°21'22	7°28'27	6°43' 6	19°0'19	4°4' 4
F 3	9 31 20	24°16'30	14°30' 2	28°29'13	13°50'13	7°14' 7	8°25' 8	19°56'19	15°39'13	13°32'13	2°23'23	7°28'27	6°40' 6	19°7'19	4°7' 4
S 4	9 35 16	25°17'01	29°16' 2	29°10'15	15°2' 2	7°36' 7	8°36' 8	20°3'15	15°42'13	13°31'13	2°24'24	7°27'27	6°37' 6	19°14'19	4°10'10
S 5	9 39 13	26°17'29	14°27' 2	29°55'16	16°13'16	7°59' 7	8°48' 8	20°10'20	15°46'13	13°30'13	2°25'25	7°25'27	6°34' 6	19°20'19	4°13'13
M 6	9 43 9	27°17'56	29°24' 2	0°44'17	17°25'17	8°22' 8	8°59' 8	20°18'20	15°49'13	13°28'13	2°26'26	7°23'27	6°30' 6	19°27'19	4°17'17
T 7	9 47 6	28°18'21	14°0' 0	1°36'18	18°36'18	8°45' 8	9°11' 9	20°25'20	15°53'13	13°27'13	2°28'28	7°20'27	6°27' 6	19°33'19	4°20'20
W 8	9 51 2	29°18'45	28°10' 2	2°31'19	19°48'19	9°8' 9	9°22' 9	20°32'20	15°56'13	13°26'13	2°29'29	7°17'27	6°24' 6	19°40'19	4°23'23
T 9	9 54 59	0°19'06	11°52'11	3°29'32	21°0'9	9°32' 9	9°33' 9	20°39'20	16°0'13	13°25'13	2°30'30	7°15'27	6°21' 6	19°47'19	4°26'26
F 10	9 58 56	1°19'25	25°7' 2	4°30'22	22°11'11	9°56' 9	9°44' 9	20°46'20	16°3'13	13°24'13	2°31'31	7°14'27	6°18' 6	19°53'19	4°29'29
S 11	10 2 52	2°19'43	7°56' 7	5°33'23	23°23'23	10°20'20	9°55' 9	20°53'20	16°6'13	13°23'13	2°33'33	7°14'27	6°15' 6	20°0'19	4°32'32
S 12	10 6 49	3°19'58	20°24' 2	6°39'24	24°35'24	10°45'10	10°6' 6	21°1'21	16°10'16	13°22'13	2°34'34	7°15'27	6°11' 6	20°7'19	4°36'36
M13	10 10 45	4°20'11	2°36' 2	7°47'25	25°47'25	11°10'11	10°17'10	21°8'21	16°13'16	13°21'13	2°35'35	7°17'27	6°8' 6	20°13'19	4°39'39
T 14	10 14 42	5°20'22	14°35' 2	8°57'26	26°59'26	11°35'11	10°27'10	21°15'21	16°16'16	13°20'13	2°37'37	7°18'27	6°5' 6	20°20'19	4°42'42
W15	10 18 38	6°20'32	26°27' 2	10°9'28	28°11'12	12°0'10	10°38'10	21°22'21	16°20'16	13°19'13	2°38'38	7°20'27	6°2' 6	20°27'19	4°46'46
T 16	10 22 35	7°20'39	8°15' 8	11°22'29	29°23'29	12°26'12	10°48'10	21°29'21	16°23'16	13°18'13	2°39'39	7°20'27	5°59' 5	20°33'19	4°49'49
F 17	10 26 31	8°20'44	20°1' 1	12°38'0	35'12	12°52'12	10°59'10	21°36'21	16°26'16	13°18'13	2°41'41	7°20'27	5°56' 5	20°40'19	4°52'52
S 18	10 30 28	9°20'47	1°50' 1	13°55'13	1°47'13	13°18'13	11°9'11	21°43'21	16°30'16	13°17'13	2°42'42	7°17'27	5°52' 5	20°47'19	4°56'56
S 19	10 34 25	10°20'48	13°44' 2	15°14'25	2°59'25	13°44'13	11°19'11	21°50'21	16°33'16	13°16'13	2°43'43	7°13'27	5°49' 5	20°53'19	4°59'59
M20	10 38 21	11°20'47	16°35' 2	16°35'41	4°11'41	14°10'14	11°29'11	21°57'21	16°36'16	13°15'13	2°45'45	7°7'27	5°46' 5	21°0'19	5°3' 3
T 21	10 42 18	12°20'44	7°50' 7	17°57'52	5°23'52	14°37'14	11°39'11	22°4'22	16°39'16	13°15'13	2°46'46	7°1'27	5°43' 5	21°7'19	5°6' 6
W22	10 46 14	13°20'40	20°6' 6	19°20'6	6°35'6	15°4'15	11°49'11	22°11'22	16°43'16	13°14'13	2°47'47	6°54'6	5°40' 5	21°13'19	5°9' 9
T 23	10 50 11	14°20'34	2°33' 2	20°45'3	7°48'3	15°31'15	11°59'11	22°18'22	16°46'16	13°13'13	2°49'49	6°48'6	5°36' 5	21°20'19	5°13'13
F 24	10 54 7	15°20'26	15°13' 2	22°11'9	9°0'9	15°58'15	12°8'12	22°24'22	16°49'16	13°13'13	2°50'50	6°43'6	5°33' 5	21°26'19	5°16'16
S 25	10 58 4	16°20'16	28°7' 2	23°38'10	10°12'10	16°26'16	12°18'12	22°31'22	16°52'16	13°12'13	2°52'52	6°40'6	5°30' 5	21°33'19	5°20'20
S 26	11 2 0	17°20'05	11°19' 2	25°7'11	11°25'11	16°54'16	12°27'12	22°38'22	16°55'16	13°11'13	2°53'53	6°38'6	5°27' 5	21°40'19	5°24'24
M27	11 5 57	18°19'52	24°50' 2	26°37'26	12°37'26	17°21'17	12°36'12	22°45'22	16°58'16	13°11'13	2°55'55	6°38'6	5°24' 5	21°46'19	5°27'27
T 28	11 9 54	19°19'37	8°34' 3	28°39'28	13°49'28	17°49'17	12°45'12	22°52'22	17°1'17	13°10'13	2°56'56	6°39'6	5°21' 5	21°53'19	5°31'31

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat											
W 1	14s 7	24s51	2s 6	19s13	1n33	21s42	1n18	23n46	2n22	23s 8	0n 7	16s 1	1s 7	16s51	0s39	22n 6	0s43	14s15	16s35	18s27	18s37	14n10	3n42	2n17
T 2	13 48	21 12	0 47	19 19	1 21	21 39	1 14	23 50	2 21	23 7	0 7	15 58	1 7	16 50	0 39	22 6	0 43	14 14	16 34	18 27	18 38	14 7	3 43	2 17
F 3	13 28	16 5	0n36	19 23	1 9	21 36	1 11	23 53	2 21	23 6	0 7	15 56	1 7	16 49	0 39	22 6	0 42	14 13	16 34	18 27	18 39	14 4	3 44	2 16
S 4	13 7	9 55	1 58	19 26	0 57	21 32	1 7	23 56	2 20	23 7	0 7	15 54	1 7	16 48	0 39	22 6	0 42	14 13	16 34	18 27	18 40	14 1	3 45	2 16
S 5	12 47	3 12	3 11	19 28	0 46	21 27	1 3	23 59	2 20	23 5	0 7	15 52	1 7	16 47	0 39	22 6	0 42	14 12	16 34	18 28	18 41	13 58	3 46	2 16
M 6	12 26	3n34	4 9	19 29	0 35	21 22	1 0	24 3	2 19	23 5	0 7	15 49	1 8	16 46	0 39	22 7	0 42	14 11	16 33	18 28	18 41	13 56	3 47	2 16
T 7	12 5	9 59	4 50	19 28	0 24	21 16	0 56	24 6	2 19	23 4	0 7	15 47	1 8	16 45	0 39	22 7	0 42	14 11	16 33	18 29	18 42	13 53	3 48	2 16
W 8	11 44	15 41	5 12	19 26	0 13	21 10	0 52	24 9	2 18	23 3	0 6	15 45	1 8	16 43	0 39	22 7	0 42	14 10	16 33	18 30	18 43	13 50	3 49	2 16
T 9	11 23	20 25	5 14	19 23	0 3 21	3 0	49 24	12 2	18 23	3 0	6 15	43 1	8 16	42 0	39 22	7 0	42 14	9 16	33 18	30 18	44 13	47 3	50 2	16
F 10	11 2	23 56	5 0	19 18	0s 7	20 55	0 45	24 15	2 17	23 2	0 6	15 41	1 8	16 41	0 39	22 7	0 42	14 9	16 33	18 30	18 45	13 44	3 51	2 15
S 11	10 40	26 9	4 31	19 12	0 17	20 47	0 42	24 18	2 17	23 1	0 6	15 38	1 8	16 40	0 39	22 7	0 42	14 8	16 33	18 30	18 45	13 41	3 53	2 15
S 12	10 18	26 59	3 50	19 5	0 26	20 38	0 38	24 21	2 16	23 1	0 6	15 36	1 8	16 39	0 40	22 7	0 42	14 7	16 32	18 30	18 46	13 38	3 54	2 15
M13	9 57	26 28	3 0	18 56	0 35	20 29	0 34	24 24	2 16	23 0	0 6	15 34	1 8	16 38	0 40	22 7	0 42	14 7	16 32	18 30	18 47	13 35	3 55	2 15
T 14	9 35	24 43	2 2	18 46	0 44	20 19	0 31	24 27	2 15	22 59	0 6	15 32	1 8	16 37	0 40	22 8	0 42	14 6	16 32	18 29	18 48	13 32	3 56	2 15
W15	9 12	21 53	1 0	18 35	0 52	20 8	0 27	24 30	2 15	22 58	0 6	15 30	1 8	16 36	0 40	22 8	0 42	14 5	16 32	18 29	18 49	13 29	3 57	2 15
T 16	8 50	18 10	0s 5	18 22	1 0	19 57	0 24	24 33	2 14	22 58	0 6	15 27	1 8	16 36	0 40	22 8	0 42	14 5	16 32	18 29	18 49	13 26	3 59	2 15
F 17	8 28	13 45	1 9	18 8	1 8	19 45	0 20	24 36	2 14	22 57	0 6	15 25	1 9	16 35	0 40	22 8	0 42	14 4	16 32	18 29	18 50	13 24	4 0	2 14
S 18	8 5	8 49	2 10	17 53	1 15	19 33	0 16	24 39	2 13	22 56	0 6	15 23	1 9	16 34	0 40	22 8	0 42	14 3	16 31	18 30	18 51	13 21	4 1	2 14
S 19	7 42	3 33	3 6	17 36	1 22	19 20	0 13	24 42	2 13	22 55	0 5	15 21	1 9	16 33	0 40	22 8	0 42	14 3	16 31	18 31	18 52	13 18	4 2	2 14
M20	7 20	1s52	3 54	17 18	1 28	19 6	0 9	24 44	2 12	22 55	0 5	15 19	1 9	16 32	0 40	22 8	0 42	14 2	16 31	18 32	18 52	13 15	4 4	2 14
T 21	6 57	7 16	4 32	16 59	1 34	18 52	0 6	24 47	2 12	22 54	0 5	15 16	1 9	16 31	0 40	22 8	0 42	14 1	16 31	18 34	18 53	13 12	4 5	2 14
W22	6 34	12 28	4 58	16 38	1 40	18 38	0 3	24 50	2 11	22 53	0 5	15 14	1 9	16 30	0 40	22 8	0 42	14 1	16 31	18 35	18 54	13 9	4 6	2 14
T 23	6 11	17 14	5 10	16 16	1 45	18 22	0s 1	24 52	2 11	22 52	0 5	15 12	1 9	16 29	0 40	22 9	0 42	14 0	16 31	18 37	18 55	13 6	4 7	2 14
F 24	5 47	21 20	5 7	15 53	1 50	18 7	0 4	24 55	2 10	22 51	0 5	15 10	1 9	16 28	0 40	22 9	0 42	13 59	16 31	18 38	18 56	13 3	4 9	2 14
S 25	5 24	24 29	4 49	15 28	1 55	17 51	0 7	24 57	2 10	22 51	0 5	15 8	1 9	16 27	0 40	22 9	0 42	13 59	16 31	18 39	18 56	13 0	4 10	2 14
S 26	5 1	26 25	4 16	15 3	1 59	17 34	0 11	24 59	2 9	22 50	0 5	15 6	1 9	16 26	0 40	22 9	0 42	13 58	16 30	18 39	18 57	12 57	4 11	2 13
M27	4 38	26 51	3 27	14 35	2 2	17 17	0 14	25 1	2 8	22 49	0 5													

SWISS EPHEMERIS for the year 1581

MARCH 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	11 13 50	20 ^h 19'21"	22 ^h 35'56"	29 ^h 42'42"	15 ^h 22'00"	18 ^h 11'18"	12 ^h 35'55"	22 ^h 58'58"	17 ^h 44'04"	13 ^h 10'10"	2 ^h 57'57"	6 ^h 40'40"	5 ^h 17'17"	22 ^h 00'00"	5 ^h 57'34"	
T 2	11 17 47	21 ^h 19'02"	7 ^h 33'31"	1 ^h 16'16"	16 ^h 14'14"	18 ^h 46'46"	13 ^h 03'03"	23 ^h 05'05"	17 ^h 07'07"	13 ^h 08'10"	2 ^h 59'59"	6 ^h 41'41"	5 ^h 14'14"	22 ^h 06'06"	5 ^h 38'38"	
F 3	11 21 43	22 ^h 18'42"	22 ^h 22'22"	2 ^h 51'51"	17 ^h 27'27"	19 ^h 15'15"	13 ^h 12'12"	23 ^h 12'12"	17 ^h 10'10"	13 ^h 09'09"	3 ^h 00'00"	6 ^h 40'40"	5 ^h 11'11"	22 ^h 13'13"	5 ^h 41'41"	
S 4	11 25 40	23 ^h 18'20"	7 ^h 24'24"	4 ^h 28'28"	18 ^h 39'39"	19 ^h 43'43"	13 ^h 21'21"	23 ^h 18'18"	17 ^h 13'13"	13 ^h 09'09"	3 ^h 02'02"	6 ^h 37'37"	5 ^h 08'08"	22 ^h 20'20"	5 ^h 45'45"	
S 5	11 29 36	24 ^h 17'57"	22 ^h 28'28"	6 ^h 05'05"	19 ^h 52'52"	20 ^h 12'12"	13 ^h 29'29"	23 ^h 25'25"	17 ^h 16'16"	13 ^h 08'08"	3 ^h 03'03"	6 ^h 32'32"	5 ^h 05'05"	22 ^h 26'26"	5 ^h 49'49"	
M 6	11 33 33	25 ^h 17'31"	7 ^h 25'25"	7 ^h 45'45"	21 ^h 05'05"	20 ^h 41'41"	13 ^h 38'38"	23 ^h 31'31"	17 ^h 19'19"	13 ^h 08'08"	3 ^h 05'05"	6 ^h 25'25"	5 ^h 02'02"	22 ^h 33'33"	5 ^h 52'52"	
T 7	11 37 29	26 ^h 17'02"	22 ^h 06'06"	9 ^h 25'25"	22 ^h 17'17"	21 ^h 10'10"	13 ^h 46'46"	23 ^h 38'38"	17 ^h 22'22"	13 ^h 08'08"	3 ^h 06'06"	6 ^h 17'17"	4 ^h 58'58"	22 ^h 40'40"	5 ^h 56'56"	
W 8	11 41 26	27 ^h 16'32"	6 ^h 32'32"	11 ^h 07'07"	23 ^h 30'30"	21 ^h 40'40"	13 ^h 54'54"	23 ^h 44'44"	17 ^h 25'25"	13 ^h 08'08"	3 ^h 08'08"	6 ^h 09'09"	4 ^h 55'55"	22 ^h 46'46"	6 ^h 00'00"	
T 9	11 45 22	28 ^h 16'00"	20 ^h 14'14"	12 ^h 50'50"	24 ^h 42'42"	22 ^h 09'09"	14 ^h 02'02"	23 ^h 51'51"	17 ^h 28'28"	13 ^h 07'07"	3 ^h 09'09"	6 ^h 02'02"	4 ^h 52'52"	22 ^h 53'53"	6 ^h 03'03"	
F 10	11 49 19	29 ^h 15'25"	3 ^h 11'35"	14 ^h 34'34"	25 ^h 55'55"	22 ^h 39'39"	14 ^h 10'10"	23 ^h 57'57"	17 ^h 31'31"	13 ^h 07'07"	3 ^h 10'10"	5 ^h 56'56"	4 ^h 49'49"	23 ^h 00'00"	6 ^h 07'07"	
S 11	11 53 16	0 ^h 14'48"	16 ^h 30'30"	16 ^h 19'19"	27 ^h 08'08"	23 ^h 09'09"	14 ^h 18'18"	24 ^h 03'03"	17 ^h 34'34"	13 ^h 07'07"	3 ^h 12'12"	5 ^h 53'53"	4 ^h 46'46"	23 ^h 06'06"	6 ^h 11'11"	
S 12	11 57 12	1 ^h 14'09"	29 ^h 01'01"	18 ^h 06'06"	28 ^h 20'20"	23 ^h 39'39"	14 ^h 25'25"	24 ^h 10'10"	17 ^h 36'36"	13 ^h 07'07"	3 ^h 13'13"	5 ^h 50'50"	4 ^h 42'42"	23 ^h 13'13"	6 ^h 14'14"	
M13	12 1 9	2 ^h 13'27"	11 ^h 08'13"	19 ^h 55'55"	29 ^h 33'33"	24 ^h 09'09"	14 ^h 33'33"	24 ^h 16'16"	17 ^h 39'39"	13 ^h 07'07"	3 ^h 15'15"	5 ^h 53'53"	4 ^h 39'39"	23 ^h 20'20"	6 ^h 18'18"	
T 14	12 5 5	3 ^h 12'43"	23 ^h 11'11"	21 ^h 44'44"	0 ^h 46'46"	24 ^h 39'39"	14 ^h 40'40"	24 ^h 22'22"	17 ^h 42'42"	13 ^h 07'07"	3 ^h 16'16"	5 ^h 54'54"	4 ^h 36'36"	23 ^h 26'26"	6 ^h 22'22"	
W15	12 9 2	4 ^h 11'56"	5 ^h 01'01"	23 ^h 35'35"	1 ^h 58'58"	25 ^h 09'09"	14 ^h 47'47"	24 ^h 28'28"	17 ^h 44'44"	13 ^h 07'07"	3 ^h 18'18"	5 ^h 54'54"	4 ^h 33'33"	23 ^h 33'33"	6 ^h 25'25"	
T 16	12 12 58	5 ^h 11'08"	16 ^h 47'47"	25 ^h 28'28"	3 ^h 11'11"	25 ^h 40'40"	14 ^h 54'54"	24 ^h 34'34"	17 ^h 47'47"	13 ^h 07'07"	3 ^h 19'19"	5 ^h 54'54"	4 ^h 30'30"	23 ^h 40'40"	6 ^h 29'29"	
F 17	12 16 55	6 ^h 10'17"	28 ^h 35'35"	27 ^h 21'21"	4 ^h 24'24"	26 ^h 10'10"	15 ^h 01'01"	24 ^h 40'40"	17 ^h 50'50"	13 ^h 07'07"	3 ^h 21'21"	5 ^h 51'51"	4 ^h 27'27"	23 ^h 46'46"	6 ^h 33'33"	
S 18	12 20 51	7 ^h 09'23"	10 ^h 27'27"	29 ^h 17'17"	5 ^h 37'37"	26 ^h 41'41"	15 ^h 08'08"	24 ^h 46'46"	17 ^h 52'52"	13 ^h 07'07"	3 ^h 22'22"	5 ^h 46'46"	4 ^h 23'23"	23 ^h 53'53"	6 ^h 37'37"	
S 19	12 24 48	8 ^h 08'28"	22 ^h 27'27"	1 ^h 13'13"	6 ^h 49'49"	27 ^h 12'12"	15 ^h 14'14"	24 ^h 52'52"	17 ^h 55'55"	13 ^h 07'07"	3 ^h 24'24"	5 ^h 38'38"	4 ^h 20'20"	23 ^h 59'59"	6 ^h 40'40"	
M20	12 28 45	9 ^h 07'30"	4 ^h 37'37"	3 ^h 11'11"	8 ^h 02'02"	27 ^h 43'43"	15 ^h 21'21"	24 ^h 58'58"	17 ^h 57'57"	13 ^h 07'07"	3 ^h 25'25"	5 ^h 28'28"	4 ^h 17'17"	24 ^h 06'06"	6 ^h 44'44"	
T 21	12 32 41	10 ^h 06'30"	16 ^h 58'58"	5 ^h 10'10"	9 ^h 15'15"	28 ^h 14'14"	15 ^h 27'27"	25 ^h 04'04"	18 ^h 00'00"	13 ^h 08'08"	3 ^h 27'27"	5 ^h 16'16"	4 ^h 14'14"	24 ^h 13'13"	6 ^h 48'48"	
W22	12 36 38	11 ^h 05'29"	29 ^h 30'30"	7 ^h 10'10"	10 ^h 28'28"	28 ^h 45'45"	15 ^h 33'33"	25 ^h 10'10"	18 ^h 02'02"	13 ^h 08'08"	3 ^h 28'28"	5 ^h 04'04"	4 ^h 11'11"	24 ^h 19'19"	6 ^h 51'51"	
T 23	12 40 34	12 ^h 04'25"	12 ^h 13'13"	9 ^h 12'12"	11 ^h 41'41"	29 ^h 16'16"	15 ^h 39'39"	25 ^h 15'15"	18 ^h 04'04"	13 ^h 08'08"	3 ^h 30'30"	4 ^h 53'53"	4 ^h 07'07"	24 ^h 26'26"	6 ^h 55'55"	
F 24	12 44 31	13 ^h 03'20"	13 ^h 32'03"	11 ^h 15'15"	12 ^h 54'54"	29 ^h 47'47"	15 ^h 45'45"	25 ^h 21'21"	18 ^h 07'07"	13 ^h 08'08"	3 ^h 31'31"	4 ^h 43'43"	4 ^h 04'04"	24 ^h 33'33"	6 ^h 59'59"	
S 25	12 48 27	14 ^h 02'12"	8 ^h 16'16"	13 ^h 18'18"	14 ^h 06'06"	0 ^h 08'08"	15 ^h 51'51"	25 ^h 27'27"	18 ^h 09'09"	13 ^h 09'09"	3 ^h 32'32"	4 ^h 36'36"	4 ^h 01'01"	24 ^h 39'39"	7 ^h 02'02"	
S 26	12 52 24	15 ^h 01'03"	21 ^h 36'36"	15 ^h 23'23"	15 ^h 19'19"	0 ^h 50'50"	15 ^h 56'56"	25 ^h 32'32"	18 ^h 11'11"	13 ^h 09'09"	3 ^h 34'34"	4 ^h 31'31"	3 ^h 58'58"	24 ^h 46'46"	7 ^h 06'06"	
M27	12 56 20	15 ^h 59'53"	5 ^h 30'30"	17 ^h 28'28"	16 ^h 32'32"	1 ^h 22'22"	16 ^h 01'01"	25 ^h 38'38"	18 ^h 14'14"	13 ^h 10'10"	3 ^h 35'35"	4 ^h 29'29"	3 ^h 55'55"	24 ^h 53'53"	7 ^h 10'10"	
T 28	13 0 17	16 ^h 58'40"	18 ^h 56'56"	19 ^h 34'34"	17 ^h 45'45"	1 ^h 54'54"	16 ^h 07'07"	25 ^h 43'43"	18 ^h 16'16"	13 ^h 10'10"	3 ^h 37'37"	4 ^h 29'29"	3 ^h 52'52"	24 ^h 59'59"	7 ^h 13'13"	
W29	13 4 14	17 ^h 57'26"	2 ^h 58'58"	21 ^h 41'41"	18 ^h 58'58"	2 ^h 25'25"	16 ^h 12'12"	25 ^h 49'49"	18 ^h 18'18"	13 ^h 10'10"	3 ^h 38'38"	4 ^h 29'29"	3 ^h 48'48"	25 ^h 06'06"	7 ^h 17'17"	
T 30	13 8 10	18 ^h 56'10"	17 ^h 15'15"	23 ^h 47'47"	20 ^h 11'11"	2 ^h 57'57"	16 ^h 16'16"	25 ^h 54'54"	18 ^h 20'20"	13 ^h 11'11"	3 ^h 40'40"	4 ^h 29'29"	3 ^h 45'45"	25 ^h 13'13"	7 ^h 21'21"	
F 31	13 12 7	19 ^h 54'52"	1 ^h 44'44"	25 ^h 54'54"	21 ^h 42'42"	3 ^h 08'08"	16 ^h 21'21"	25 ^h 59'59"	18 ^h 22'22"	13 ^h 11'11"	3 ^h 41'41"	4 ^h 26'26"	3 ^h 42'42"	25 ^h 19'19"	7 ^h 24'24"	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	3s51	22s45	1s14	13s37	2s9	16s41	0s20	25n6	2n7	22s48	0n4	14s59	1s10	16s23	0s40	22n9
T 2	3 27	18 22	0n4	13 5	2 11	16 23	0 23	25 8	2 7	22 47	0 4	14 57	1 10	16 22	0 40	22 9
F 3	3 3	12 46	1 24	12 33	2 13	16 3	0 26	25 9	2 6	22 46	0 4	14 55	1 10	16 21	0 40	22 9
S 4	2 40	6 22	2 38	11 59	2 15	15 44	0 29	25 11	2 6	22 45	0 4	14 53	1 10	16 21	0 40	22 9
S 5	2 16	0n24	3 42	11 24	2 16	15 24	0 32	25 13	2 5	22 45	0 4	14 51	1 10	16 20	0 40	22 9
M 6	1 53	7 4	4 29	10 48	2 16	15 4	0 35	25 15	2 5	22 44	0 4	14 49	1 10	16 19	0 40	22 9
T 7	1 29	13 14	4 58	10 10	2 17	14 43	0 38	25 16	2 4	22 43	0 4	14 47	1 10	16 18	0 40	22 9
W 8	1 5	18 31	5 7	9 31	2 16	14 22	0 41	25 17	2 4	22 42	0 4	14 45	1 11	16 17	0 40	22 10
T 9	0 41	22 37	4 58	8 51	2 16	14 0	0 43	25 19	2 3	22 42	0 4	14 43	1 11	16 16	0 40	22 10
F 10	0 18	25 23	4 33	8 9	2 15	13 38	0 46	25 20	2 3	22 41	0 4	14 41	1 11	16 15	0 40	22 10
S 11	0n	6 26	4 1	3 54	7 27	2 13	13 16	0 49	25 21	2 2	22 40	0 3	14 39	1 11	16 15	0 40
S 12	0 30	26 34	3 5	6 43	2 11	12 53	0 51	25 22	2 2	22 39	0 3	14 37	1 11	16 14	0 40	22 10
M13	0 53	25 10	2 9	5 58	2 8	12 30	0 54	25 23	2 1	22 39	0 3	14 35	1 11	16 13	0 40	22 10
T 14	1 17	22 37	1 8	5 12	2 5	12 6	0 56	25 24	2 1	22 38	0 3	14 33	1 11	16 12	0 40	22 10
W15	1 40	19 8	0 5	4 24	2 1	11 42	0 59	25 24	2 0	22 37	0 3	14 31	1 11	16 11	0 40	22 10
T 16	2 4	14 55	0s58	3 36	1 57	11 18	1 1	25 25	2 0	22 37	0 3	14 29	1 12	16 11	0 40	22 10
F 17	2 27	10 9	1 58	2 46	1 52	10 54	1 3	25 25	1 59	22 36	0 3	14 27	1 12	16 10	0 40	22 10
S 18	2 51	4 59	2 54	1 56	1 47	10 29	1 5	25 26	1 59	22 35	0 3	14 25	1 12	16 9	0 40	22 10
S 19	3															

SWISS EPHEMERIS for the year 1581

APRIL 1581 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	13 16 3	20°53'33	16°24	28°0	22°37	4°2	16°26	26°4	18°24	13°12	3°42	4°R21	3°39	25°26	7°28
S 2	13 20 0	21°52'11	1°7	0°5	23°50	4°34	16°30	26°9	18°26	13°13	3°44	4°R14	3°36	25°33	7°31
M 3	13 23 56	22°50'48	15°46	2°9	25°3	5°6	16°34	26°14	18°28	13°13	3°45	4°4	3°33	25°39	7°35
T 4	13 27 53	23°49'23	0°15	4°12	26°16	5°38	16°38	26°19	18°30	13°14	3°47	3°52	3°29	25°46	7°39
W 5	13 31 49	24°47'56	14°26	6°14	27°29	6°11	16°42	26°24	18°32	13°15	3°48	3°40	3°26	25°53	7°42
T 6	13 35 46	25°46'27	28°13	8°13	28°42	6°43	16°45	26°29	18°34	13°15	3°49	3°30	3°23	25°59	7°46
F 7	13 39 43	26°44'56	11°35	10°10	29°55	7°16	16°49	26°34	18°36	13°16	3°51	3°21	3°20	26°6	7°49
S 8	13 43 39	27°43'23	24°32	12°5	1°8	7°49	16°52	26°38	18°37	13°17	3°52	3°16	3°17	26°13	7°53
S 9	13 47 36	28°41'48	7°5	13°57	2°21	8°22	16°55	26°43	18°39	13°18	3°54	3°12	3°13	26°19	7°56
M10	13 51 32	29°40'11	19°19	15°45	3°34	8°54	16°58	26°48	18°41	13°19	3°55	3°11	3°10	26°26	8°0
T11	13 55 29	0°38'32	1°19	17°31	4°47	9°27	17°1	26°52	18°42	13°20	3°56	3°11	3°7	26°33	8°3
W12	13 59 25	1°36'50	13°11	19°12	6°0	10°0	17°3	26°56	18°44	13°20	3°58	3°10	3°4	26°39	8°7
T13	14 3 22	2°35'06	24°59	20°50	7°13	10°34	17°6	27°1	18°45	13°21	3°59	3°9	3°1	26°46	8°10
F14	14 7 18	3°33'21	6°49	22°25	8°26	11°7	17°8	27°5	18°47	13°22	4°0	3°6	2°58	26°53	8°14
S15	14 11 15	4°31'33	18°45	23°55	9°39	11°40	17°10	27°9	18°48	13°23	4°2	3°0	2°54	26°59	8°17
S16	14 15 12	5°29'43	0°52	25°21	10°52	12°13	17°12	27°13	18°50	13°24	4°3	2°52	2°51	27°6	8°20
M17	14 19 8	6°27'52	13°11	26°43	12°5	12°47	17°13	27°17	18°51	13°25	4°4	2°41	2°48	27°12	8°24
T18	14 23 5	7°25'58	25°46	28°0	13°18	13°20	17°15	27°21	18°52	13°27	4°5	2°29	2°45	27°19	8°27
W19	14 27 1	8°24'03	8°35	29°14	14°31	13°54	17°16	27°25	18°54	13°28	4°7	2°16	2°42	27°26	8°30
T20	14 30 58	9°22'06	21°39	0°23	15°44	14°27	17°17	27°29	18°55	13°29	4°8	2°3	2°39	27°32	8°34
F21	14 34 54	10°20'08	4°56	1°27	16°57	15°1	17°18	27°32	18°56	13°30	4°9	1°53	2°35	27°39	8°37
S22	14 38 51	11°18'08	18°25	2°27	18°10	15°34	17°18	27°36	18°57	13°31	4°10	1°44	2°32	27°46	8°40
S23	14 42 47	12°16'07	2°3	3°22	19°23	16°8	17°19	27°40	18°58	13°33	4°12	1°39	2°29	27°52	8°43
M24	14 46 44	13°14'04	15°50	4°13	20°36	16°42	17°19	27°43	18°59	13°34	4°13	1°36	2°26	27°59	8°47
T25	14 50 41	14°12'00	29°44	4°58	21°49	17°16	17°R19	27°46	19°0	13°35	4°14	1°D36	2°23	28°6	8°50
W26	14 54 37	15°9'55	13°45	5°39	23°2	17°50	17°19	27°50	19°1	13°36	4°15	1°R36	2°19	28°12	8°53
T27	14 58 34	16°7'48	27°54	6°15	24°15	18°24	17°19	27°53	19°2	13°38	4°16	1°35	2°16	28°19	8°56
F28	15 2 30	17°5'40	12°8	6°47	25°28	18°58	17°19	27°56	19°3	13°39	4°17	1°33	2°13	28°26	8°59
S29	15 6 27	18°3'31	26°25	7°13	26°41	19°32	17°18	27°59	19°3	13°41	4°19	1°29	2°10	28°32	9°2
S30	15 10 23	19°1'21	10°43	7°34	27°55	20°6	17°17	28°2	19°4	13°42	4°20	1°22	2°7	28°39	9°5

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	8n10	2s16	3n23	11n 1	0n15	4s17	1s28	25n17	1n51	22s28	0n 1	14s 1	1s14	16s 0	0s41	22n10	0s41	13s39	16s31	19s13	19s23	11n16	4n58	2n11
S 2	8 32	4n18	4 13	11 56	0 26	3 49	1 29	25 16	1 51	22 27	0 1	13 59	1 14	15 59	0 41	22 10	0 41	13 38	16 31	19 15	19 24	11 13	5 0	2 11
M 3	8 54	10 37	4 46	12 49	0 37	3 21	1 30	25 14	1 50	22 27	0 1	13 58	1 14	15 58	0 41	22 10	0 41	13 38	16 31	19 17	19 24	11 10	5 1	2 11
T 4	9 16	16 16	5 0	13 42	0 48	2 53	1 31	25 12	1 50	22 27	0 1	13 56	1 15	15 58	0 41	22 10	0 41	13 37	16 31	19 20	19 25	11 7	5 2	2 11
W 5	9 38	20 54	4 56	14 33	0 58	2 25	1 32	25 10	1 49	22 26	0 1	13 55	1 15	15 57	0 41	22 10	0 41	13 37	16 31	19 23	19 26	11 4	5 4	2 11
T 6	9 59	24 15	4 34	15 22	1 9	1 57	1 33	25 8	1 49	22 26	0 1	13 53	1 15	15 57	0 41	22 10	0 40	13 37	16 31	19 25	19 27	11 1	5 5	2 11
F 7	10 20	26 9	3 57	16 9	1 19	1 28	1 34	25 6	1 48	22 26	0 1	13 52	1 15	15 56	0 41	22 10	0 40	13 36	16 31	19 27	19 27	10 58	5 7	2 11
S 8	10 41	26 32	3 9	16 55	1 29	1 0	1 35	25 4	1 48	22 25	0 0	13 50	1 15	15 56	0 41	22 10	0 40	13 36	16 32	19 28	19 28	10 55	5 8	2 11
S 9	11 2 25	32 2	14 17	17 38	1 39	0 31	1 35	25 1	1 47	22 25	0 0	13 49	1 15	15 55	0 41	22 10	0 40	13 35	16 32	19 29	19 29	10 52	5 9	2 11
M10	11 23	23 18	1 13	18 19	1 48	0 3	1 36	24 58	1 47	22 25	0 0	13 48	1 16	15 55	0 41	22 10	0 40	13 35	16 32	19 30	19 30	10 49	5 11	2 11
T11	11 43	20 4	0 10	18 57	1 56	0n26	1 36	24 56	1 46	22 25	0 0	13 46	1 16	15 54	0 41	22 9	0 40	13 35	16 32	19 30	19 30	10 46	5 12	2 11
W12	12 4 16	3 0s53	19 33	2 4	0 55	1 36	24 53	1 46	22 24	0s 0	13 45	1 16	15 54	0 41	22 9	0 40	13 34	16 32	19 30	19 31	10 43	5 13	2 11	
T13	12 24	11 27	1 53	20 6	2 11	1 23	1 37	24 49	1 45	22 24	0 0	13 44	1 16	15 53	0 41	22 9	0 40	13 34	16 32	19 30	19 32	10 40	5 15	2 11
F14	12 44	6 26	2 48	20 37	2 17	1 52	1 37	24 46	1 45	22 24	0 0	13 42	1 16	15 53	0 41	22 9	0 40	13 34	16 33	19 31	19 33	10 37	5 16	2 11
S15	13 4 1 9	3 36	21 6	2 23	2 20	1 37	24 43	1 44	22 24	0 0	13 41	1 16	15 52	0 41	22 9	0 40	13 33	16 33	19 32	19 33	10 34	5 17	2 10	
S16	13 23	4s15	4 15	21 31	2 27	2 49	1 37	24 39	1 44	22 24	0 1	13 40	1 17	15 52	0 41	22 9	0 40	13 33	16 33	19 34	19 34	10 31	5 19	2 10
M17	13 42	9 34	4 43	21 55	2 31	3 18	1 37	24 36	1 43	22 24	0 1	13 39	1 17	15 52	0 41	22 9	0 40	13 33	16 33	19 36	19 35	10 28	5 20	2 10
T18	14 1 14	36 4 58	22 16	2 34	3 46	1 37	24 32	1 43	22 24	0 1	13 37	1 17	15 51	0 41	22 9	0 40	13 32	16 33	19 39	19 35	10 25	5 21	2 10	
W19	14 20	19 6	4 58	22 34	2 36	4 15	1 37	24 28	1 42	22 24	0 1	13 36	1 17	15 51	0 41	22 9	0 40	13 32	16 34	19 42	19 36	10 22	5 23	2 10
T20	14 39	22 46	4 43	22 50	2 37	4 43	1 37	24 24	1 42	22 24	0 1	13 35	1 17	15 51	0 41	22 9	0 40	13 32	16 34	19 45	19 37	10 19	5 24	2 10
F21	14 57	25 18	4 12	23 4	2 37	5 11	1 36	24 20	1 41	22 24	0 1	13 34	1 18	15 50	0 41	22 9	0 40	13 31	16 34	19 47	19 38	10 16	5 25	2 10
S22	15 15	26 26	3 27	23 15	2 36	5 39	1 36	24 15	1 41	22 24	0 1	13 33	1 18	15 50	0 41	22 9	0 40	13 31	16 34	19 49	19 38	10 13	5 27	2 10
S23	15 33	25 58	2 30	23 24	2 34	6 8	1 36	24 11	1 40	22 24	0 2	13 32	1 18	15 50	0 41	22 9	0 40	13 31	16 34	19 50	19 39	10 10	5 28	2 10
M24	15 51	23 55	1 23	23 31	2 31	6 36	1 35	24 6	1 40	22 24	0 2	13 31	1 18	15 49	0 41	22 8	0 40	13 30	16 35	19 51	19 40	10 7	5 29	2 10
T25	16 8	20 25	0 10	23 35	2 27	7 3	1 35	24 1	1 39	22 24	0 2	13 30	1 18	15 49	0 42	22 8	0 40	13 30	16 35	19 51	19 41	10 4	5 30	2 10
W26	16 25	15 43	1n 4	23 38	2 22	7 31	1 34	23 56	1 39	22 24	0 2	13 29	1 18	15 49	0 42	22 8	0 40	13 30	16 35	19 51	19 41	10 1	5 32	2 10
T27	16 42	10 8	2 15	23 38	2 16	7 59	1 33	23 51	1 38	22 24	0 2	13 28	1 19	15 49	0 42	22 8	0 40	13 30	16 35	19 51	19 42	9 58	5 33	2 10
F28	16 59	3 59	3 17	23 37	2 9	8 26	1 33	23 46	1 38	22 24	0 2	13 27	1 19	15 48	0 42	22 8	0 40	13 30	16 36	19 52	19 43	9 55	5 34	2 10
S29	17 15	2n22	4 8	23 33	2 1	8 53	1 32	23 41	1 37	22 25	0 2	13 26	1 19	15 48	0 42	22 8	0 40	13 29	16 36	19 53	19 43	9 52	5 35	2 10
S30	17n31	8n35	4n43	23n28	1n52	9n20	1s31	23n35	1n37															

SWISS EPHEMERIS for the year 1581

MAY 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	15 14 20	19♄59'09	24♃57	7♂51	29♃ 8	20♄40	17°R16	28♁ 5	19♁ 5	13♄43	4♃21	1°R13	2♁ 4	28♂46	9♃ 8
T 2	15 18 16	20°56'56	9♂ 2	8° 2	0♂21	21°14	17♂15	28° 7	19° 5	13°45	4°22	1♁ 2	2° 0	28°52	9°11
W 3	15 22 13	21°54'42	22°52	8° 9	1°34	21°49	17°13	28°10	19° 6	13°46	4°23	0°51	1°07	28°59	9°14
T 4	15 26 10	22°52'27	6♂25	8°R11	2°47	22°23	17°12	28°13	19° 7	13°48	4°24	0°41	1°54	29° 6	9°17
F 5	15 30 6	23°50'10	19°37	8° 8	4° 0	22°58	17°10	28°15	19° 7	13°49	4°25	0°33	1°51	29°12	9°20
S 6	15 34 3	24°47'52	2♄28	8° 0	5°13	23°32	17° 8	28°17	19° 7	13°51	4°26	0°27	1°48	29°19	9°23
S 7	15 37 59	25°45'32	14°58	7°48	6°27	24° 7	17° 6	28°20	19° 8	13°53	4°27	0°24	1°45	29°26	9°26
M 8	15 41 56	26°43'11	27°12	7°32	7°40	24°41	17° 4	28°22	19° 8	13°54	4°28	0°D22	1°41	29°32	9°28
T 9	15 45 52	27°40'48	9♂13	7°13	8°53	25°16	17° 1	28°24	19° 8	13°56	4°29	0°23	1°38	29°39	9°31
W10	15 49 49	28°38'23	21° 5	6°49	10° 6	25°50	16°58	28°26	19° 9	13°58	4°30	0°23	1°35	29°46	9°34
T 11	15 53 45	29°35'58	2♃54	6°23	11°19	26°25	16°55	28°28	19° 9	13°59	4°31	0°R23	1°32	29°52	9°36
F 12	15 57 42	0♂33'30	14°46	5°55	12°32	27° 0	16°52	28°30	19° 9	14° 1	4°32	0°22	1°29	29°59	9°39
S 13	16 1 39	1°31'02	26°45	5°24	13°45	27°35	16°49	28°31	19° 9	14° 3	4°33	0°19	1°25	0♃ 6	9°42
S 14	16 5 35	2°28'32	8♄56	4°51	14°59	28°10	16°46	28°33	19°R 9	14° 4	4°34	0°14	1°22	0°12	9°44
M15	16 9 32	3°26'00	21°23	4°18	16°12	28°45	16°42	28°34	19° 9	14° 6	4°34	0° 7	1°19	0°19	9°47
T 16	16 13 28	4°23'28	4♃ 7	3°44	17°25	29°20	16°38	28°36	19° 9	14° 8	4°35	29♂58	1°16	0°26	9°49
W17	16 17 25	5°20'54	17°11	3°11	18°38	29°55	16°35	28°37	19° 9	14°10	4°36	29°48	1°13	0°32	9°52
T 18	16 21 21	6°18'20	0♂34	2°38	19°51	0♂30	16°30	28°38	19° 9	14°12	4°37	29°40	1°10	0°39	9°54
F 19	16 25 18	7°15'44	14°13	2° 7	21° 5	1° 5	16°26	28°40	19° 9	14°13	4°38	29°32	1° 6	0°46	9°56
S 20	16 29 14	8°13'07	28° 5	1°37	22°18	1°40	16°22	28°41	19° 8	14°15	4°38	29°26	1° 3	0°52	9°59
S 21	16 33 11	9°10'30	12♂ 8	1°10	23°31	2°15	16°17	28°42	19° 8	14°17	4°39	29°23	1° 0	0°59	10° 1
M22	16 37 8	10° 7'52	26°18	0°46	24°44	2°50	16°12	28°42	19° 8	14°19	4°40	29°D22	0°57	1° 6	10° 3
T 23	16 41 4	11° 5'13	10♁30	0°24	25°58	3°26	16° 8	28°43	19° 7	14°21	4°41	29°22	0°54	1°12	10° 5
W24	16 45 1	12° 2'34	24°43	0° 7	27°11	4° 1	16° 3	28°44	19° 7	14°23	4°41	29°23	0°50	1°19	10° 7
T 25	16 48 57	12°59'54	8♂55	29♂53	28°24	4°36	15°57	28°44	19° 6	14°25	4°42	29°R24	0°47	1°26	10° 9
F 26	16 52 54	13°57'14	23° 4	29°43	29°37	5°12	15°52	28°45	19° 6	14°27	4°43	29°24	0°44	1°32	10°11
S 27	16 56 50	14°54'33	7♃ 8	29°38	0♂51	5°47	15°47	28°45	19° 5	14°29	4°43	29°22	0°41	1°39	10°13
S 28	17 0 47	15°51'52	21° 5	29°D36	2° 4	6°23	15°41	28°45	19° 5	14°31	4°44	29°18	0°38	1°46	10°15
M29	17 4 43	16°49'10	4♂54	29°40	3°17	6°58	15°35	28°45	19° 4	14°33	4°45	29°12	0°35	1°52	10°17
T 30	17 8 40	17°46'28	18°32	29°48	4°31	7°34	15°29	28°R46	19° 3	14°35	4°45	29° 6	0°31	1°59	10°19
W31	17 12 37	18°43'46	1♂57	0♂ 0	5♂44	8♂ 9	15°23	28°45	19° 2	14°37	4°46	28♂59	0°28	2♃ 6	10°21

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁														
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat														
M 1	17n47	14n20	5n 0	23n20	1n41	9n47	1s30	23n29	1n36	22s25	0s 3	13s25	1s19	15s48	0s42	22n 8	0s40	13s29	16s36	19s56	19s45	9n46	5n38	2n10					
T 2	18 2 19 15	4 59 23 11	1 30 10 14	1 29 23 24	1 36 22 26	0 3 13 24	1 20 15 48	0 42 22 8	0 40 13 29	16 37 19 59	19 46 9 42	5 39 2 10	W 3	18 17 23 3	4 40 23 0	1 18 10 40	1 28 23 18	1 35 22 26	0 3 13 23	1 20 15 48	0 42 22 7	0 40 13 29	16 37 20	1 19 46	9 39 5 40	2 10			
T 4	18 32 25 28	4 6 22 47	1 5 11 7	1 27 23 12	1 35 22 26	0 3 13 23	1 20 15 47	0 42 22 7	0 40 13 28	16 37 20	3 19 47	9 36 5 41	2 10	F 5	18 47 26 24	3 19 22 33	0 51 11 32	1 26 23 5	1 34 22 27	0 3 13 22	1 20 15 47	0 42 22 7	0 40 13 28	16 37 20	5 19 48	9 33 5 42	2 10		
S 6	19 1 25 51	2 23 22 17	0 36 11 58	1 24 22 59	1 34 22 27	0 3 13 21	1 20 15 47	0 42 22 7	0 40 13 28	16 38 20	6 19 48	9 30 5 43	2 10	S 7	19 15 24 0	1 21 21 59	0 20 12 24	1 23 22 52	1 33 22 27	0 3 13 21	1 21 15 47	0 42 22 7	0 40 13 28	16 38 20	7 19 49	9 27 5 45	2 10		
M 8	19 28 21 3	0 17 21 41	0 4 12 49	1 22 22 46	1 33 22 28	0 4 13 20	1 21 15 47	0 42 22 7	0 40 13 28	16 38 20	7 19 50	9 24 5 46	2 11	T 9	19 41 17 14	0s47	21 21	0s13	13 14	1 20 22 39	1 32 22 28	0 4 13 20	1 21 15 47	0 42 22 7	0 39 13 28	16 38 20	7 19 51	9 21 5 47	2 11
W10	19 54 12 47	1 48 21 0	0 30 13 38	1 19 22 32	1 32 22 29	0 4 13 19	1 21 15 47	0 42 22 6	0 39 13 28	16 39 20	7 19 51	9 18 5 48	2 11	T 11	20 7 7 54	2 45 20 39	0 47 14 2	1 17 22 25	1 31 22 29	0 4 13 19	1 22 15 47	0 42 22 6	0 39 13 27	16 39 20	7 19 52	9 15 5 49	2 11		
F 12	20 19 2 43	3 34 20 17	1 5 14 26	1 16 22 18	1 31 22 30	0 4 13 18	1 22 15 47	0 42 22 6	0 39 13 27	16 39 20	7 19 53	9 12 5 50	2 11	S 13	20 31 2s36	4 15 19 54	1 22 14 50	1 14 22 10	1 31 22 30	0 4 13 18	1 22 15 47	0 42 22 6	0 39 13 27	16 40 20	8 19 53	9 9 5 51	2 11		
S 14	20 42 7 55	4 45 19 31	1 40 15 13	1 12 22 3	1 30 22 31	0 4 13 17	1 22 15 47	0 42 22 6	0 39 13 27	16 40 20	9 19 54	9 6 5 52	2 11	M15	20 53 13 1	5 2 19 9	1 56 15 36	1 11 21 55	1 30 22 31	0 5 13 17	1 22 15 47	0 42 22 6	0 39 13 27	16 40 20	10 19 55	9 3 5 53	2 11		
T 16	21 4 17 42	5 5 18 46	2 13 15 58	1 9 21 47	1 29 22 32	0 5 13 17	1 23 15 47	0 42 22 5	0 39 13 27	16 41 20	12 19 55	9 0 5 54	2 11	W17	21 15 21 40	4 52 18 25	2 29 16 20	1 7 21 40	1 29 22 33	0 5 13 16	1 23 15 47	0 42 22 5	0 39 13 27	16 41 20	14 19 56	8 57 5 55	2 11		
T 18	21 25 24 36	4 23 18 4	2 43 16 42	1 5 21 31	1 28 22 33	0 5 13 16	1 23 15 47	0 42 22 5	0 39 13 27	16 41 20	16 19 57	8 54 5 56	2 11	F 19	21 34 26 10	3 38 17 44	2 57 17 3	1 3 21 23	1 28 22 34	0 5 13 16	1 23 15 47	0 42 22 5	0 39 13 27	16 42 20	18 19 58	8 51 5 57	2 11		
S 20	21 44 26 9	2 40 17 26	3 10 17 24	1 1 21 15	1 27 22 35	0 5 13 16	1 23 15 48	0 42 22 5	0 39 13 27	16 42 20	19 19 58	8 47 5 58	2 11	S 21	21 53 24 27	1 31 17 9	3 22 17 44	0 59 21 7	1 27 22 35	0 6 13 16	1 24 15 48	0 43 22 5	0 39 13 27	16 42 20	20 19 59	8 44 5 59	2 11		
M22	22 1 21 13	0 17 16 53	3 33 18 4	0 57 20 58	1 26 22 36	0 6 13 16	1 24 15 48	0 43 22 4	0 39 13 27	16 43 20	20 0 8 41	6 0 2 11	T 23	22 9 16 41	1n 0 16 40	3 42 18 24	0 55 20 49	1 26 22 37	0 6 13 16	1 24 15 48	0 43 22 4	0 39 13 27	16 43 20	20 0 8 38	6 1 2 11				
W24	22 17 11 14	2 13 16 28	3 50 18 43	0 53 20 40	1 25 22 38	0 6 13 16	1 24 15 48	0 43 22 4	0 39 13 27	16 43 20	20 1 8 35	6 1 2 11	T 25	22 25 5 12	3 17 16 19	1 0 51 16 19	1 0 51 20 32	1 25 22 38	0 6 13 16	1 24 15 48	0 43 22 4	0 39 13 27	16 44 20	19 20 2 8 32	6 2 2 11				
F 26	22 32 1n 3	4 9 16 11	4 2 19 19	0 49 20 22	1 24 22 39	0 6 13 16	1 25 15 49	0 43 22 4	0 39 13 27	16 44 20	20 2 8 29	6 3 2 11	S 27	22 38 7 13	4 46 16 6	4 7 19 37	0 47 20 13	1 24 22 40	0 6 13 16	1 25 15 49	0 43 22 4	0 39 13 27	16 44 20	20 3 8 26	6 4 2 11				
S 28	22 45 12 58	5 6 16 3	4 10 19 54	0 45 20 4	1 23 22 41	0 7 13 16	1 25 15 49	0 43 22 3	0 39 13 27	16 45 20	21 20 4 8 23	6 5 2 11	M29	22 50 18 0	5 8 16 2	4 11 20 10	0 42 19 54	1 23 22 42	0 7 13 16	1 25 15 49	0 43 22 3	0 39 13 27	16 45 20	22 20 4 8 20	6 6 2 11				
T 30	22 56 22 3	4 52 16 3	4 12 20 26	0 40 19 45	1 22 22 42	0 7 13 16	1 26 15 49	0 43 22 3	0 39 13 28	16 45 20	23 20 5 8 17	6 6 2 11	W31	23n 1 24n50	4n20 16n 6	4s11 20n41	0s38 19n35	1n22 22s43	0s 7 13s16	1s26 15s50	0s43 22n 3	0s39 13s28	16s46 20s25	20s 6 8n14	6n 7 2n11				

Julian Day Number = 2298638.5, Delta T = 132.39 sec

Ecliptic obliquity = 23°29'42", Nutation = 0°00'13"

Ayanamsha: Fagan/Bradley = 18°53'53", Lahiri = 18°00'52" Julian Calendar 1 May 1581 == Greg. Calendar 11 May 1581

SWISS EPHEMERIS for the year 1581

JUNE 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	17 16 33	19II41'03	15II 8	0II17	6II57	8Ω45	15°R17	28°R45	19°R 2	14Ω39	4Υ46	28°R53	0≈25	2η12	10Υ23
F 2	17 20 30	20°38'20	28° 2	0°39	8°11	9°21	15°S11	28≈45	19≈ 1	14°41	4°47	28°S48	0°22	2°19	10°25
S 3	17 24 26	21°35'36	10Ω39	1° 5	9°24	9°56	15° 5	28°45	19° 0	14°43	4°47	28°45	0°19	2°26	10°26
S 4	17 28 23	22°32'52	23° 2	1°36	10°37	10°32	14°58	28°44	18°59	14°45	4°48	28°D43	0°16	2°32	10°28
M 5	17 32 19	23°30'06	5Ω11	2°11	11°51	11° 8	14°51	28°44	18°58	14°47	4°48	28°43	0°12	2°39	10°29
T 6	17 36 16	24°27'21	17° 9	2°51	13° 4	11°44	14°45	28°43	18°57	14°49	4°49	28°45	0° 9	2°46	10°31
W 7	17 40 13	25°24'34	29° 1	3°34	14°18	12°20	14°38	28°42	18°56	14°52	4°49	28°46	0° 6	2°52	10°32
T 8	17 44 9	26°21'47	10η51	4°22	15°31	12°56	14°31	28°42	18°55	14°54	4°49	28°48	0° 3	2°59	10°34
F 9	17 48 6	27°19'00	22°43	5°15	16°45	13°32	14°24	28°41	18°53	14°56	4°50	28°R49	29≈59	3° 6	10°35
S 10	17 52 2	28°16'12	4Ω42	6°11	17°58	14° 8	14°17	28°40	18°52	14°58	4°50	28°49	29°56	3°12	10°37
S 11	17 55 59	29°13'23	16°54	7°11	19°11	14°44	14°10	28°38	18°51	15° 0	4°50	28°47	29°53	3°19	10°38
M12	17 59 55	0Ω10'34	29°22	8°16	20°25	15°20	14° 3	28°37	18°50	15° 2	4°51	28°45	29°50	3°26	10°39
T13	18 3 52	1° 7'44	12η11	9°24	21°38	15°56	13°55	28°36	18°48	15° 4	4°51	28°41	29°47	3°32	10°40
W14	18 7 48	2° 4'55	25°21	10°36	22°52	16°32	13°48	28°35	18°47	15° 7	4°51	28°37	29°44	3°39	10°41
T 15	18 11 45	3° 2'05	8≈55	11°52	24° 5	17° 8	13°41	28°33	18°46	15° 9	4°51	28°34	29°41	3°46	10°42
F 16	18 15 42	3°59'14	22°50	13°12	25°19	17°45	13°33	28°31	18°44	15°11	4°52	28°30	29°37	3°52	10°44
S 17	18 19 38	4°56'24	7≈ 4	14°35	26°32	18°21	13°26	28°30	18°43	15°13	4°52	28°28	29°34	3°59	10°44
S 18	18 23 35	5°53'34	21°31	16° 2	27°46	18°57	13°18	28°28	18°41	15°15	4°52	28°D27	29°31	4° 6	10°45
M19	18 27 31	6°50'43	6≈ 6	17°33	29° 0	19°34	13°10	28°26	18°40	15°18	4°52	28°27	29°28	4°12	10°46
T 20	18 31 28	7°47'53	20°44	19° 8	0Ω13	20°10	13° 3	28°24	18°38	15°20	4°52	28°28	29°25	4°19	10°47
W21	18 35 24	8°45'03	5≈17	20°46	1°27	20°47	12°55	28°22	18°36	15°22	4°52	28°29	29°22	4°26	10°48
T 22	18 39 21	9°42'14	19°43	22°27	2°40	21°23	12°47	28°20	18°35	15°24	4°53	28°30	29°18	4°32	10°49
F 23	18 43 17	10°39'24	3Υ57	24°12	3°54	22° 0	12°40	28°18	18°33	15°26	4°53	28°31	29°15	4°39	10°49
S 24	18 47 14	11°36'36	17°58	26° 0	5° 8	22°36	12°32	28°16	18°31	15°29	4°53	28°R31	29°12	4°46	10°50
S 25	18 51 11	12°33'47	1≈44	27°50	6°21	23°13	12°24	28°13	18°29	15°31	4°R53	28°30	29° 9	4°52	10°50
M26	18 55 7	13°31'00	15°15	29°44	7°35	23°49	12°17	28°11	18°28	15°33	4°53	28°29	29° 6	4°59	10°51
T 27	18 59 4	14°28'13	28°32	1Ω41	8°49	24°26	12° 9	28° 8	18°26	15°35	4°53	28°27	29° 2	5° 6	10°51
W28	19 3 0	15°25'26	11II33	3°40	10° 2	25° 3	12° 1	28° 5	18°24	15°38	4°53	28°25	28°59	5°12	10°52
T 29	19 6 57	16°22'40	24°21	5°41	11°16	25°40	11°53	28° 3	18°22	15°40	4°52	28°24	28°56	5°19	10°52
F 30	19 10 53	17Ω19'55	6Ω55	7Ω44	12Ω30	26Ω16	11≈46	28≈ 0	18≈20	15Ω42	4Υ52	28≈22	28≈53	5η26	10Υ52

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23n 6	26n13	3n35	16n11	4s10	20n56	0s36	19n25	1n21	22s44	0s 7	13s17	1s26	15s50	0s43	22n 3	0s39	13s28	16s46	20s26	20s 6	8n11	6n 8	2n11
F 2	23 10 26	8 2 39	16 18	4 7 21	10 0 33	19 15	1 21	22 45	0 7 13	17 1 26	15 50	0 43	22 2	0 39	13 28	16 46	20 27	20 7	8 8	6 9	2 11			
S 3	23 14 24	40 1 37	16 27	4 4 21	24 0 31	19 5	1 20	22 46	0 7 13	17 1 26	15 51	0 43	22 2	0 39	13 28	16 47	20 28	20 8	8 5	6 9	2 11			
S 4	23 17 22	2 0 31	16 38	3 5 9	21 37	0 29	18 55	1 20	22 47	0 8 13	18 1 27	15 51	0 43	22 2	0 39	13 28	16 47	20 28	20 9	8 1	6 10	2 11		
M 5	23 20 18	27 0s35	16 50	3 5 4	21 50	0 26	18 45	1 19	22 48	0 8 13	18 1 27	15 51	0 43	22 2	0 39	13 28	16 47	20 28	20 9	7 58	6 11	2 11		
T 6	23 23 14	9 1 39	17 3	3 4 7	22 1	0 24	18 34	1 19	22 49	0 8 13	18 1 27	15 52	0 43	22 1	0 39	13 28	16 48	20 28	20 10	7 55	6 11	2 11		
W 7	23 25 9	22 2 38	17 19	3 4 0	22 13	0 22	18 24	1 18	22 49	0 8 13	19 1 27	15 52	0 43	22 1	0 39	13 29	16 48	20 27	20 11	7 52	6 12	2 11		
T 8	23 27 4	17 3 30	17 35	3 3 3	22 23	0 19	18 13	1 18	22 50	0 8 13	19 1 27	15 52	0 43	22 1	0 39	13 29	16 48	20 27	20 11	7 49	6 12	2 12		
F 9	23 28 0s59	4 14 17	52 3 24	22 33	0 17	18 2	1 17	22 51	0 8 13	20 1 28	15 53	0 43	22 1	0 39	13 29	16 49	20 27	20 12	7 46	6 13	2 12			
S 10	23 29 6	15 4 46	18 11	3 1 5	22 43	0 14	17 51	1 17	22 52	0 9 13	20 1 28	15 53	0 43	22 1	0 39	13 29	16 49	20 27	20 13	7 43	6 14	2 12		
S 11	23 30 11	22 5 7	18 30	3 6 2	22 51	0 12	17 40	1 16	22 53	0 9 13	21 1 28	15 54	0 43	22 0	0 39	13 29	16 50	20 27	20 13	7 40	6 14	2 12		
M12	23 30 16	9 5 13	18 51	2 5 6	22 59	0 10	17 29	1 16	22 54	0 9 13	22 1 28	15 54	0 43	22 0	0 39	13 30	16 50	20 28	20 14	7 37	6 15	2 12		
T 13	23 29 20	21 5 5	19 11	2 4 5	23 7	0 7	17 18	1 15	22 55	0 9 13	22 1 28	15 55	0 43	22 0	0 39	13 30	16 50	20 28	20 15	7 34	6 15	2 12		
W14	23 29 23	41 4 40	19 33	2 3 4	23 13	0 5	17 6	1 15	22 56	0 9 13	23 1 29	15 55	0 43	22 0	0 39	13 30	16 51	20 29	20 15	7 31	6 16	2 12		
T 15	23 28 25	47 3 59	19 54	2 2 3	23 19	0 2	16 55	1 14	22 57	0 9 13	24 1 29	15 55	0 43	21 59	0 39	13 30	16 51	20 30	20 16	7 28	6 16	2 12		
F 16	23 26 26	21 3 4	20 16	2 1 1	23 25	0n 0	16 43	1 14	22 58	0 9 13	24 1 29	15 56	0 43	21 59	0 39	13 31	16 51	20 30	20 17	7 24	6 17	2 12		
S 17	23 24 25	13 1 55	20 38	1 5 9	23 30	0 3	16 32	1 13	22 59	0 10 13	25 1 29	15 56	0 43	21 59	0 39	13 31	16 52	20 31	20 17	7 21	6 17	2 12		
S 18	23 22 22	24 0 38	20 59	1 4 7	23 34	0 5	16 20	1 13	22 59	0 10 13	26 1 29	15 57	0 44	21 59	0 39	13 31	16 52	20 31	20 18	7 18	6 17	2 12		
M19	23 19 18	7 0n42	21 21	1 3 4	23 37	0 7	16 8	1 12	23 0	0 10 13	27 1 30	15 57	0 44	21 59	0 39	13 31	16 53	20 31	20 19	7 15	6 18	2 12		
T 20	23 16 12	43 2 0	21 41	1 2 2	23 39	0 10	15 56	1 12	23 1	0 10 13	28 1 30	15 58	0 44	21 58	0 39	13 32	16 53	20 31	20 19	7 12	6 18	2 12		
W21	23 12 6	39 3 9	22 1	1 9 2	41	0 12	15 44	1 11	23 2	0 10 13	29 1 30	15 59	0 44	21 58	0 39	13 32	16 53	20 31	20 20	7 9	6 19	2 12		
T 22	23 8 0	18 4 6	22 20	0 5 7	23 43	0 15	15 31	1 11	23 3	0 10 13	29 1 30	15 59	0 44	21 58	0 39	13 32	16 54	20 30	20 21	7 6	6 19	2 12		
F 23	23 4 5n58	4 47 22	38 0 44	23 43	0 17	15 19	1 10	23 4	0 11 13	30 1 30	16 0	0 44	21 58	0 39	13 33	16 54	20 30	20 21	7 3	6 19	2 12			
S 24	22 59 11	51 5 11	22 54	0 3 2	23 43	0 19	15 7	1 10	23 5	0 11 13	31 1 31	16 0	0 44	21 57	0 39	13 33	16 54	20 30	20 22	7 0	6 19	2 12		
S 25	22 54 17	2 5 15	23 9	0 19	23 42	0 22	14 54	1 9	23 6	0 11 13	32 1 31	16 1	0 44	21 57	0 39	13 33	16 55	20 30	20 23	6 57	6 20	2 12		
M26	22 48 21	16 5 3	23 22	0 7 2	23 40	0 24	14 42	1 9	23 6	0 11 13	33 1 31	16 1	0 44	21 57	0 39	13 34	16 55	20 31	20 23	6 54	6 20	2 12		
T 27	22 42 24	19 4 34	23 33	0n 4	23 38	0 26	14 29	1 8	23 7	0 11 13	35 1 31	16 2	0 44	21 57	0 39	13 34	16 55	20 31	20 24	6 50	6 20	2 12		
W28	22 36 26	2 3 51	23 42	0 1 6	23 35	0 28	14 16	1 8	23 8	0 11 13	36 1 31	16 3	0 44	21 56	0 39	13 34	16 56	20 31	20 25	6 47	6 20	2 13		
T 29	22 29 26	20 2 57	23 49	0 2 6	23 31	0 31	14 3	1 7	23 9	0 11 13	37 1 32	16 3	0 44	21 56										

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	19 14 50	18 ⁵ 17'09	19 ⁵ 17	9 ⁵ 48	13 ⁵ 44	26 ⁵ 53	11°R38	27°R57	18°R18	15 ⁵ 44	4°R52	28°R22	28 ⁵ 50	5 ⁵ 32	10 ⁵ 53
S 2	19 18 46	19°14'25	1 ⁵ 28	11°54	14°58	27°30	11 ⁵ 30	27 ⁵ 54	18 ⁵ 16	15°47	4 ⁵ 52	28°D22	28°47	5°39	10°53
M 3	19 22 43	20°11'40	13°29	14° 1	16°11	28° 7	11°23	27°51	18°14	15°49	4°52	28 ⁵ 22	28°43	5°46	10°53
T 4	19 26 40	21° 8'56	25°24	16° 8	17°25	28°44	11°15	27°48	18°12	15°51	4°52	28°23	28°40	5°52	10°53
W 5	19 30 36	22° 6'12	7 ⁵ 14	18°16	18°39	29°21	11° 8	27°45	18°10	15°53	4°52	28°23	28°37	5°59	10°R53
T 6	19 34 33	23° 3'29	19° 3	20°24	19°53	29°58	11° 0	27°42	18° 8	15°55	4°51	28°24	28°34	6° 6	10°53
F 7	19 38 29	24° 0'46	0 ⁵ 54	22°32	21° 7	0 ⁵ 35	10°53	27°38	18° 6	15°58	4°51	28°24	28°31	6°12	10°53
S 8	19 42 26	24°58'03	12°53	24°39	22°21	1°12	10°46	27°35	18° 4	16° 0	4°51	28°25	28°28	6°19	10°53
S 9	19 46 22	25°55'21	25° 3	26°46	23°34	1°49	10°39	27°31	18° 2	16° 2	4°51	28°R25	28°24	6°26	10°52
M10	19 50 19	26°52'39	7 ⁵ 30	28°51	24°48	2°27	10°31	27°28	18° 0	16° 4	4°50	28°R25	28°21	6°32	10°52
T 11	19 54 15	27°49'58	20°16	0 ⁵ 56	26° 2	3° 4	10°24	27°24	17°57	16° 6	4°50	28°R25	28°18	6°39	10°52
W12	19 58 12	28°47'17	3 ⁵ 25	3° 0	27°16	3°41	10°17	27°21	17°55	16° 9	4°50	28°D25	28°15	6°46	10°51
T 13	20 2 9	29°44'37	17° 0	5° 2	28°30	4°18	10°10	27°17	17°53	16°11	4°49	28°R25	28°12	6°53	10°51
F 14	20 6 5	0 ⁵ 41'57	1 ⁵ 1	7° 3	29°44	4°56	10° 4	27°13	17°51	16°13	4°49	28°R25	28° 8	6°59	10°50
S 15	20 10 2	1°39'19	15°25	9° 2	0 ⁵ 58	5°33	9°57	27°10	17°49	16°15	4°48	28°R25	28° 5	7° 6	10°50
S 16	20 13 58	2°36'40	0 ⁵ 9	11° 0	2°12	6°10	9°50	27° 6	17°46	16°17	4°48	28°R25	28° 2	7°13	10°49
M17	20 17 55	3°34'03	15° 5	12°57	3°26	6°48	9°44	27° 2	17°44	16°19	4°47	28°R25	27°59	7°19	10°49
T 18	20 21 51	4°31'26	0 ⁵ 6	14°52	4°40	7°25	9°37	26°58	17°42	16°22	4°47	28°R25	27°56	7°26	10°48
W19	20 25 48	5°28'51	15° 3	16°45	5°54	8° 3	9°31	26°54	17°39	16°24	4°47	28°R24	27°53	7°33	10°47
T 20	20 29 44	6°26'17	29°48	18°37	7° 8	8°41	9°25	26°50	17°37	16°26	4°46	28°R23	27°49	7°39	10°46
F 21	20 33 41	7°23'44	14°V16	20°27	8°22	9°18	9°19	26°46	17°35	16°28	4°45	28°R22	27°46	7°46	10°46
S 22	20 37 38	8°21'12	28°24	22°16	9°36	9°56	9°13	26°41	17°32	16°30	4°45	28°R22	27°43	7°53	10°45
S 23	20 41 34	9°18'42	12 ⁵ 9	24° 3	10°50	10°34	9° 7	26°37	17°30	16°32	4°44	28°D22	27°40	7°59	10°44
M24	20 45 31	10°16'13	25°32	25°48	12° 4	11°11	9° 2	26°33	17°28	16°34	4°44	28°R22	27°37	8° 6	10°43
T 25	20 49 27	11°13'46	8 ⁵ 35	27°32	13°19	11°49	8°56	26°29	17°25	16°36	4°43	28°R23	27°34	8°13	10°42
W26	20 53 24	12°11'20	21°20	29°15	14°33	12°27	8°51	26°25	17°23	16°38	4°43	28°R24	27°30	8°19	10°41
T 27	20 57 20	13° 8'55	3 ⁵ 50	0 ⁵ 55	15°47	13° 5	8°46	26°20	17°21	16°40	4°42	28°R25	27°27	8°26	10°39
F 28	21 1 17	14° 6'32	16° 8	2°35	17° 1	13°43	8°41	26°16	17°18	16°42	4°41	28°R26	27°24	8°33	10°38
S 29	21 5 14	15° 4'10	28°15	4°13	18°15	14°21	8°36	26°11	17°16	16°44	4°41	28°R26	27°21	8°39	10°37
S 30	21 9 10	16° 1'50	10 ⁵ 15	5°49	19°29	14°59	8°31	26° 7	17°13	16°46	4°40	28°R26	27°18	8°46	10°36
MB1	21 13 7	16 ⁵ 59'30	22 ⁵ 9	7 ⁵ 24	20 ⁵ 44	15 ⁵ 37	8 ⁵ 26	26 ⁵ 3	17 ⁵ 11	16 ⁵ 48	4 ⁵ 39	28 ⁵ 25	27 ⁵ 14	8 ⁵ 53	10 ⁵ 34

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	22n15	22n56	0n50	23n54	0n46	23n22	0n35	13n37	1n 6	23s11	0s12	13s39	1s32	16s 4	0s44	21n56	0s39	13s35	16s57	20s32	20s26	6n38	6n21	2n13
S 2	22 7 19 36	0s17	23 53	0 56	23 16	0 37	13 24	1 6	23 11	0 12	13 40	1 32	16 5	0 44	21 55	0 39	13 36	16 57	20 32	20 27	6 35	6 21	2 13	
M 3	21 58 15 29	1 23	23 49	1 4	23 10	0 39	13 11	1 5	23 12	0 12	13 41	1 32	16 6	0 44	21 55	0 39	13 36	16 58	20 32	20 28	6 32	6 21	2 13	
T 4	21 50 10 49	2 24	23 42	1 12	23 2	0 41	12 57	1 5	23 13	0 12	13 43	1 33	16 6	0 44	21 55	0 39	13 37	16 58	20 32	20 28	6 29	6 21	2 13	
W 5	21 41 5 48	3 19	23 33	1 19	22 55	0 43	12 44	1 4	23 14	0 12	13 44	1 33	16 7	0 44	21 55	0 39	13 37	16 58	20 32	20 29	6 26	6 21	2 13	
T 6	21 31 0 35	4 6	23 21	1 25	22 46	0 45	12 30	1 4	23 15	0 12	13 45	1 33	16 8	0 44	21 54	0 38	13 37	16 59	20 32	20 30	6 23	6 21	2 13	
F 7	21 21 4 54	4 42	23 6	1 30	22 37	0 47	12 17	1 3	23 15	0 12	13 47	1 33	16 8	0 44	21 54	0 38	13 38	16 59	20 32	20 30	6 20	6 21	2 13	
S 8	21 11 9 47	5 6	22 48	1 35	22 27	0 49	12 3	1 3	23 16	0 13	13 48	1 33	16 9	0 44	21 54	0 38	13 38	16 59	20 32	20 31	6 16	6 21	2 13	
S 9	21 1 14 38	5 17	22 28	1 39	22 16	0 51	11 49	1 2	23 17	0 13	13 49	1 33	16 10	0 44	21 54	0 38	13 39	17 0	20 32	20 32	6 13	6 21	2 13	
M10	20 50 18 59	5 13	22 6	1 42	22 5	0 53	11 35	1 2	23 17	0 13	13 51	1 34	16 10	0 44	21 53	0 38	13 39	17 0	20 32	20 32	6 10	6 21	2 13	
T 11	20 39 22 35	4 55	21 42	1 45	21 53	0 55	11 21	1 1	23 18	0 13	13 52	1 34	16 11	0 44	21 53	0 38	13 40	17 1	20 32	20 33	6 7	6 21	2 13	
W12	20 27 25 9	4 20	21 15	1 46	21 41	0 57	11 7	1 1	23 19	0 13	13 53	1 34	16 12	0 44	21 53	0 38	13 40	17 1	20 32	20 34	6 4	6 21	2 13	
T 13	20 15 26 21	3 30	20 47	1 47	21 28	0 58	10 53	1 0	23 19	0 13	13 55	1 34	16 12	0 44	21 53	0 38	13 40	17 1	20 32	20 34	6 1	6 21	2 13	
F 14	20 3 25 56	2 26	20 17	1 47	21 14	1 0	10 39	1 0	23 20	0 13	13 56	1 34	16 13	0 44	21 52	0 38	13 41	17 2	20 32	20 35	5 58	6 21	2 13	
S 15	19 50 23 47	1 12	19 45	1 47	21 0	1 2	10 25	0 59	23 21	0 14	13 58	1 34	16 14	0 44	21 52	0 38	13 41	17 2	20 32	20 36	5 55	6 20	2 13	
S 16	19 37 20 1	0n10	19 12	1 46	20 45	1 3	10 11	0 59	23 21	0 14	13 59	1 34	16 15	0 44	21 52	0 38	13 42	17 2	20 32	20 36	5 52	6 20	2 13	
M17	19 24 14 54	1 31	18 38	1 44	20 29	1 5	9 56	0 58	23 22	0 14	14 1	1 35	16 15	0 44	21 52	0 38	13 42	17 3	20 32	20 37	5 49	6 20	2 13	
T 18	19 11 8 52	2 47	18 2	1 42	20 13	1 6	9 42	0 58	23 23	0 14	14 2	1 35	16 16	0 44	21 51	0 38	13 43	17 3	20 32	20 37	5 45	6 20	2 14	
W19	18 57 2 21	3 51	17 26	1 39	19 56	1 8	9 27	0 57	23 23	0 14	14 4	1 35	16 17	0 44	21 51	0 38	13 43	17 3	20 32	20 38	5 42	6 20	2 14	
T 20	18 42 4n11	4 39	16 48	1 36	19 39	1 9	9 13	0 57	23 24	0 14	14 5	1 35	16 17	0 44	21 51	0 38	13 44	17 4	20 32	20 39	5 39	6 19	2 14	
F 21	18 28 10 22	5 7	16 10	1 32	19 21	1 11	8 58	0 56	23 24	0 14	14 7	1 35	16 18	0 44	21 51	0 38	13 44	17 4	20 32	20 39	5 36	6 19	2 14	
S 22	18 13 15 51	5 17	15 31	1 28	19 3	1 12	8 43	0 56	23 25	0 14	14 8	1 35	16 19	0 44	21 50	0 38	13 45	17 4	20 32	20 40	5 33	6 19	2 14	
S 23	17 58 20 24	5 8	14 51	1 23																				

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T 1	21 17 3	17 ^h 57 ^m 12 ^s	4 ^m 0	8 ^m 57	21 ^h 12 ^m 58	16 ^m 15	8°R22	25°R58	17°R 9	16 ^h 50	4°R38	28°R22	27 ^h 31	8 ^m 59	10°R33
W 2	21 21 0	18°54'55	15°49	10°29	23°12	16°53	8 ^h 18	25 ^h 54	17 ^h 6	16°52	4 ^h 38	28 ^h 19	27° 8	9° 6	10 ^h 31
T 3	21 24 56	19°52'40	27°39	12° 0	24°26	17°31	8°14	25°49	17° 4	16°54	4°37	28°16	27° 5	9°13	10°30
F 4	21 28 53	20°50'25	9 ^h 32	13°28	25°41	18° 9	8°10	25°45	17° 1	16°56	4°36	28°12	27° 2	9°19	10°28
S 5	21 32 49	21°48'12	21°32	14°56	26°55	18°47	8° 6	25°40	16°59	16°58	4°35	28° 9	26°59	9°26	10°27
S 6	21 36 46	22°46'00	3 ^m 41	16°22	28° 9	19°26	8° 2	25°36	16°57	17° 0	4°34	28° 7	26°55	9°33	10°25
M 7	21 40 42	23°43'50	16° 5	17°46	29°23	20° 4	7°59	25°31	16°54	17° 2	4°34	28° 6	26°52	9°39	10°23
T 8	21 44 39	24°41'40	28°47	19° 8	0 ^m 38	20°42	7°56	25°27	16°52	17° 4	4°33	28°D 5	26°49	9°46	10°22
W 9	21 48 36	25°39'32	11 ^h 57	20°29	1°52	21°21	7°53	25°22	16°50	17° 6	4°32	28° 6	26°46	9°53	10°20
T 10	21 52 32	26°37'25	25°18	21°49	3° 6	21°59	7°50	25°18	16°47	17° 7	4°31	28° 8	26°43	10° 0	10°18
F 11	21 56 29	27°35'19	9 ^h 31	23° 6	4°21	22°38	7°47	25°13	16°45	17° 9	4°30	28° 9	26°40	10° 6	10°16
S 12	22 0 25	28°33'15	23°35	24°22	5°35	23°16	7°45	25° 9	16°43	17°11	4°29	28°R10	26°36	10°13	10°14
S 13	22 4 22	29°31'12	8 ^h 21	25°36	6°49	23°55	7°42	25° 4	16°40	17°13	4°28	28°10	26°33	10°20	10°12
M14	22 8 18	0 ^m 29'11	23°26	26°49	8° 4	24°33	7°40	25° 0	16°38	17°15	4°27	28° 8	26°30	10°26	10°10
T 15	22 12 15	1°27'11	8 ^h 40	27°59	9°18	25°12	7°38	24°55	16°36	17°16	4°26	28° 5	26°27	10°33	10° 8
W16	22 16 11	2°25'12	23°54	29° 7	10°32	25°51	7°37	24°51	16°33	17°18	4°26	28° 0	26°24	10°40	10° 6
T 17	22 20 8	3°23'16	8 ^h 58	0 ^h 13	11°47	26°29	7°35	24°46	16°31	17°20	4°25	27°55	26°20	10°46	10° 4
F 18	22 24 5	4°21'21	23°42	1°17	13° 1	27° 8	7°34	24°42	16°29	17°21	4°24	27°50	26°17	10°53	10° 2
S 19	22 28 1	5°19'29	8 ^h 2	2°18	14°16	27°47	7°32	24°37	16°27	17°23	4°23	27°46	26°14	11° 0	10° 0
S 20	22 31 58	6°17'38	21°53	3°17	15°30	28°26	7°31	24°33	16°24	17°25	4°22	27°44	26°11	11° 6	9°58
M21	22 35 54	7°15'50	5 ^h 18	4°13	16°44	29° 5	7°31	24°28	16°22	17°26	4°21	27°D43	26° 8	11°13	9°56
T 22	22 39 51	8°14'03	18°17	5° 7	17°59	29°44	7°30	24°24	16°20	17°28	4°20	27°43	26° 5	11°20	9°53
W23	22 43 47	9°12'19	0 ^h 54	5°57	19°13	0 ^h 23	7°30	24°20	16°18	17°29	4°18	27°45	26° 1	11°26	9°51
T 24	22 47 44	10°10'37	13°14	6°44	20°28	1° 2	7°29	24°16	16°16	17°31	4°17	27°46	25°58	11°33	9°49
F 25	22 51 40	11° 8'56	25°21	7°28	21°42	1°41	7°D29	24°11	16°14	17°32	4°16	27°R47	25°55	11°40	9°46
S 26	22 55 37	12° 7'18	7 ^h 19	8° 8	22°56	2°20	7°29	24° 7	16°12	17°34	4°15	27°46	25°52	11°46	9°44
S 27	22 59 34	13° 5'42	19°11	8°44	24°11	2°59	7°30	24° 3	16° 9	17°35	4°14	27°44	25°49	11°53	9°41
M28	23 3 30	14° 4'08	1 ^h 1	9°15	25°25	3°39	7°30	23°59	16° 7	17°37	4°13	27°39	25°46	12° 0	9°39
T 29	23 7 27	15° 2'35	12°50	9°42	26°40	4°18	7°31	23°55	16° 5	17°38	4°12	27°33	25°42	12° 7	9°36
W30	23 11 23	16° 1'05	24°41	10° 4	27°54	4°57	7°32	23°51	16° 3	17°39	4°11	27°24	25°39	12°13	9°34
T 31	23 15 20	16 ^h 59'36	6 ^h 34	10 ^h 21	29 ^h 9	5 ^h 36	7 ^h 33	23 ^h 47	16 ^h 2	17 ^h 34	4 ^h 10	27 ^h 15	25 ^h 36	12 ^h 20	9 ^h 31

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	15n29	7n13	3s 4	8n38	0n26	15n30	1n22	6n13	0n51	23s29	0s15	14s24	1s36	16s26	0s44	21n48	0s38	13s50	17s 7	20s32	20s46	5n 2	6n14	2n14
W 2	15 11 2	2 3 52	7 56	0 18	15 7	1 22	5 58	0 50	23 30	0 16	14 26	1 37	16 27	0 44	21 48	0 38	13 51	17 7	20 33	20 47	4 59	6 14	2 14	
T 3	14 53	3s12	4 31	7 14	0 10	14 43	1 23	5 42	0 49	23 30	0 16	14 27	1 37	16 28	0 44	21 47	0 38	13 51	17 8	20 33	20 47	4 56	6 13	2 14
F 4	14 35	8 21	4 58	6 32	0 2	14 18	1 24	5 27	0 48	23 30	0 16	14 29	1 37	16 28	0 44	21 47	0 38	13 52	17 8	20 34	20 48	4 53	6 13	2 14
S 5	14 16	13 14	5 12	5 51	0s 7	13 53	1 24	5 11	0 48	23 31	0 16	14 31	1 37	16 29	0 44	21 47	0 38	13 52	17 8	20 35	20 49	4 50	6 12	2 14
S 6	13 57	17 40	5 13	5 10	0 15	13 28	1 24	4 56	0 48	23 31	0 16	14 32	1 37	16 30	0 44	21 47	0 38	13 53	17 8	20 35	20 49	4 46	6 11	2 14
M 7	13 38	21 27	4 59	4 29	0 24	13 2	1 25	4 40	0 47	23 31	0 16	14 34	1 37	16 31	0 44	21 46	0 38	13 53	17 9	20 35	20 50	4 43	6 11	2 14
T 8	13 19	24 20	4 30	3 48	0 33	12 36	1 25	4 25	0 47	23 32	0 16	14 35	1 37	16 31	0 44	21 46	0 38	13 54	17 9	20 36	20 51	4 40	6 10	2 14
W 9	13 0 26	1 3 47	3 8	0 42	12 10	1 25	4 9	0 46	23 32	0 16	14 37	1 37	16 32	0 44	21 46	0 38	13 55	17 9	20 35	20 51	4 37	6 9	2 14	
T 10	12 40	26 15	2 51	2 29	0 51	11 43	1 25	3 53	0 46	23 32	0 16	14 39	1 37	16 33	0 44	21 46	0 38	13 55	17 9	20 35	20 52	4 34	6 9	2 14
F 11	12 20	24 52	1 42	1 50	1 0	11 16	1 25	3 37	0 45	23 32	0 16	14 40	1 37	16 33	0 44	21 45	0 38	13 56	17 10	20 35	20 52	4 31	6 8	2 14
S 12	12 0 21	50 0	25 1 11	1 9	10 49	1 25	3 22	0 45	23 33	0 16	14 42	1 37	16 34	0 44	21 45	0 38	13 56	17 10	20 35	20 53	4 28	6 7	2 14	
S 13	11 40	17 19	0n56	0 33	1 18	10 21	1 25	3 6	0 44	23 33	0 17	14 43	1 37	16 35	0 44	21 45	0 38	13 57	17 10	20 35	20 54	4 25	6 6	2 14
M14	11 20	11 38	2 14	0s 4	1 27	9 53	1 25	2 50	0 44	23 33	0 17	14 45	1 37	16 35	0 44	21 45	0 38	13 57	17 10	20 35	20 54	4 22	6 6	2 14
T 15	10 59	5 12	3 23	0 40	1 37	9 25	1 25	2 34	0 43	23 33	0 17	14 47	1 37	16 36	0 44	21 44	0 38	13 58	17 11	20 36	20 55	4 19	6 5	2 14
W16	10 38	1n31	4 18	1 16	1 46	8 56	1 25	2 18	0 43	23 33	0 17	14 48	1 38	16 37	0 44	21 44	0 38	13 58	17 11	20 37	20 55	4 15	6 4	2 14
T 17	10 17	8 4	4 54	1 51	1 55	8 28	1 25	2 3	0 42	23 34	0 17	14 50	1 38	16 38	0 44	21 44	0 38	13 59	17 11	20 38	20 56	4 12	6 3	2 14
F 18	9 56	14 1	5 10	2 25	2 4	7 59	1 24	1 47	0 42	23 34	0 17	14 51	1 38	16 38	0 44	21 44	0 38	14 0	17 11	20 39	20 57	4 9	6 2	2 14
S 19	9 35	19 2	5 6	2 57	2 13	7 30	1 24	1 31	0 41	23 34	0 17	14 53	1 38	16 39	0 44	21 44	0 38	14 0	17 11	20 39	20 57	4 6	6 2	2 14
S 20	9 13	22 51	4 44	3 29	2 22	7 0	1 23	1 15	0 40	23 34	0 17	14 54	1 38	16 40	0 44	21 43	0 38	14 1	17 12	20 40	20 58	4 3	6 1	2 14
M21	8 52	25 17	4 7	4 0	2 31	6 31	1 23	0 59	0 40	23 34	0 17	14 56	1 38	16 40	0 44	21 43	0 38	14 1	17 12	20 40	20 58	4 0	6 0	2 14
T 22	8 30	26 16	3 18	4 29	2 40	6 1	1 22	0 43	0 39	23 34	0 17	14 57	1 38	16 41	0 44	21 43	0 38	14 2	17 12	20 40	20 59	3 57	5 59	2 14
W23	8 8	25 50	2 21	4 57	2 49	5 31	1 21	0 27	0 39	23 34	0 17	14 59	1 38	16 41	0 44	21 43	0 38	14 2	17 12	20 40	21 0	3 54	5 58	2 14
T 24	7 46	24 8	1 18	5 23	2 57	5 1	1 21	0 10	0 38	23 34	0 17	15 0	1 38	16 42	0 44	21 43	0 38	14 3	17 12	20 39	21 0	3 51	5 57	2 14
F 25	7 24	21 20	0 13	5 48	3 5	4 31	1 20	0s 6	0 38	23 34	0 18	15 2	1 38	16 43	0 44	21 42	0 39	14 4	17 12	20 39	21 1	3 48	5 56	2 14
S 26	7 2	17 39	0s51	6 11	3 13	4 1	1 19	0 22	0 37	23 35	0 18	15 3	1 38	16 43	0 44	21 42	0 39	14 4	17 13	20 39	21 1	3 44	5 55	2 14
S 27	6 39	13 19	1 53	6 32	3 20	3 30	1 18	0 38	0 37	23 35	0 18	15 4	1 38	16 44	0 44	21 42	0 39	14 5	17 13	20 40	21 2	3 41	5 54	2 14
M28	6 17	8 30	2 50	6 51	3 2																			

SWISS EPHEMERIS for the year 1581

SEPTEMBER 1581 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	23 19 16	17 ^h 58'09"	18 ^h 53'	10 ^h 53'	0 ^h 23'	6 ^h 16'	7 ^h 34'	23 ^h R43	16 ^h R 0	17 ^h 542	4 ^h R 9	27 ^h R 5	25 ^h 33'	12 ^h 27'	9 ^h R29
S 2	23 23 13	18 ^h 56'44"	0 ^h 38'	10 ^h R38	1 ^h 38'	6 ^h 55'	7 ^h 36'	23 ^h 39'	15 ^h 58'	17 ^h 43'	4 ^h Y 8	26 ^h 356	25 ^h 30'	12 ^h 33'	9 ^h Y26
S 3	23 27 9	19 ^h 55'21"	12 ^h 53'	10 ^h 36'	2 ^h 52'	7 ^h 35'	7 ^h 38'	23 ^h 35'	15 ^h 56'	17 ^h 44'	4 ^h 6	26 ^h 49'	25 ^h 26'	12 ^h 40'	9 ^h 24
M 4	23 31 6	20 ^h 53'59"	25 ^h 18'	10 ^h 29'	4 ^h 7'	8 ^h 14'	7 ^h 40'	23 ^h 31'	15 ^h 54'	17 ^h 46'	4 ^h 5	26 ^h 43'	25 ^h 23'	12 ^h 47'	9 ^h 21
T 5	23 35 3	21 ^h 52'40"	7 ^h 59'	10 ^h 14'	5 ^h 21'	8 ^h 54'	7 ^h 42'	23 ^h 28'	15 ^h 52'	17 ^h 47'	4 ^h 4	26 ^h 40'	25 ^h 20'	12 ^h 53'	9 ^h 18
W 6	23 38 59	22 ^h 51'22"	20 ^h 57'	9 ^h 52'	6 ^h 36'	9 ^h 34'	7 ^h 44'	23 ^h 24'	15 ^h 50'	17 ^h 48'	4 ^h 3	26 ^h D39	25 ^h 17'	13 ^h 0'	9 ^h 16
T 7	23 42 56	23 ^h 50'06"	4 ^h 31'	9 ^h 23'	7 ^h 50'	10 ^h 13'	7 ^h 46'	23 ^h 20'	15 ^h 49'	17 ^h 49'	4 ^h 2	26 ^h 39'	25 ^h 14'	13 ^h 7'	9 ^h 13
F 8	23 46 52	24 ^h 48'51"	18 ^h 1'	8 ^h 47'	9 ^h 4'	10 ^h 53'	7 ^h 49'	23 ^h 17'	15 ^h 47'	17 ^h 50'	4 ^h 1	26 ^h 40'	25 ^h 11'	13 ^h 13'	9 ^h 10
S 9	23 50 49	25 ^h 47'38"	2 ^h 11'	8 ^h 4'	10 ^h 19'	11 ^h 33'	7 ^h 52'	23 ^h 13'	15 ^h 45'	17 ^h 51'	4 ^h 0	26 ^h R40	25 ^h 7'	13 ^h 20'	9 ^h 7
S 10	23 54 45	26 ^h 46'27"	16 ^h 46'	7 ^h 14'	11 ^h 33'	12 ^h 13'	7 ^h 55'	23 ^h 10'	15 ^h 44'	17 ^h 52'	3 ^h 58'	26 ^h 39'	25 ^h 4'	13 ^h 27'	9 ^h 5
M11	23 58 42	27 ^h 45'18"	1 ^h 42'	6 ^h 18'	12 ^h 48'	12 ^h 53'	7 ^h 58'	23 ^h 7'	15 ^h 42'	17 ^h 53'	3 ^h 57'	26 ^h 35'	25 ^h 1'	13 ^h 33'	9 ^h 2
T 12	0 2 38	28 ^h 44'10"	16 ^h 54'	5 ^h 18'	14 ^h 2'	13 ^h 32'	8 ^h 1'	23 ^h 3'	15 ^h 41'	17 ^h 54'	3 ^h 56'	26 ^h 28'	24 ^h 58'	13 ^h 40'	8 ^h 59
W13	0 6 35	29 ^h 43'05"	2 ^h Y10'	4 ^h 13'	15 ^h 17'	14 ^h 12'	8 ^h 5'	23 ^h 0'	15 ^h 39'	17 ^h 55'	3 ^h 55'	26 ^h 20'	24 ^h 55'	13 ^h 47'	8 ^h 56
T 14	0 10 32	0 ^h 42'01"	17 ^h 21'	3 ^h 5'	16 ^h 31'	14 ^h 52'	8 ^h 9'	22 ^h 57'	15 ^h 38'	17 ^h 56'	3 ^h 54'	26 ^h 10'	24 ^h 51'	13 ^h 54'	8 ^h 54
F 15	0 14 28	1 ^h 41'00"	2 ^h 15'	1 ^h 57'	17 ^h 46'	15 ^h 32'	8 ^h 13'	22 ^h 54'	15 ^h 36'	17 ^h 57'	3 ^h 53'	26 ^h 1'	24 ^h 48'	14 ^h 0'	8 ^h 51
S 16	0 18 25	2 ^h 40'01"	16 ^h 44'	0 ^h 50'	19 ^h 0'	16 ^h 13'	8 ^h 17'	22 ^h 51'	15 ^h 35'	17 ^h 58'	3 ^h 51'	25 ^h 52'	24 ^h 45'	14 ^h 7'	8 ^h 48
S 17	0 22 21	3 ^h 39'04"	0 ^h II45	29 ^h 45'	20 ^h 15'	16 ^h 53'	8 ^h 21'	22 ^h 48'	15 ^h 33'	17 ^h 59'	3 ^h 50'	25 ^h 46'	24 ^h 42'	14 ^h 14'	8 ^h 45
M18	0 26 18	4 ^h 38'10"	14 ^h 15'	28 ^h 44'	21 ^h 29'	17 ^h 33'	8 ^h 25'	22 ^h 46'	15 ^h 32'	18 ^h 0'	3 ^h 49'	25 ^h 42'	24 ^h 39'	14 ^h 20'	8 ^h 42
T 19	0 30 14	5 ^h 37'18"	27 ^h 18'	27 ^h 50'	22 ^h 44'	18 ^h 13'	8 ^h 30'	22 ^h 43'	15 ^h 31'	18 ^h 0'	3 ^h 48'	25 ^h 40'	24 ^h 36'	14 ^h 27'	8 ^h 40
W20	0 34 11	6 ^h 36'28"	9 ^h 55'	27 ^h 3'	23 ^h 58'	18 ^h 53'	8 ^h 35'	22 ^h 40'	15 ^h 30'	18 ^h 1'	3 ^h 47'	25 ^h D40	24 ^h 32'	14 ^h 34'	8 ^h 37
T 21	0 38 7	7 ^h 35'40"	22 ^h 13'	26 ^h 26'	25 ^h 12'	19 ^h 34'	8 ^h 40'	22 ^h 38'	15 ^h 28'	18 ^h 2'	3 ^h 46'	25 ^h R40	24 ^h 29'	14 ^h 40'	8 ^h 34
F 22	0 42 4	8 ^h 34'55"	4 ^h Q16	25 ^h 57'	26 ^h 27'	20 ^h 14'	8 ^h 45'	22 ^h 35'	15 ^h 27'	18 ^h 3'	3 ^h 44'	25 ^h 40'	24 ^h 26'	14 ^h 47'	8 ^h 31
S 23	0 46 1	9 ^h 34'13"	16 ^h 10'	25 ^h 40'	27 ^h 41'	20 ^h 55'	8 ^h 50'	22 ^h 33'	15 ^h 26'	18 ^h 3'	3 ^h 43'	25 ^h 38'	24 ^h 23'	14 ^h 54'	8 ^h 28
S 24	0 49 57	10 ^h 33'32"	28 ^h 0'	25 ^h D33	28 ^h 56'	21 ^h 35'	8 ^h 56'	22 ^h 31'	15 ^h 25'	18 ^h 4'	3 ^h 42'	25 ^h 34'	24 ^h 20'	15 ^h 0'	8 ^h 25
M25	0 53 54	11 ^h 32'54"	9 ^h 48'	25 ^h 37'	0 ^h II10	22 ^h 16'	9 ^h 1'	22 ^h 28'	15 ^h 24'	18 ^h 4'	3 ^h 41'	25 ^h 26'	24 ^h 17'	15 ^h 7'	8 ^h 23
T 26	0 57 50	12 ^h 32'17"	21 ^h 38'	25 ^h 52'	1 ^h 25'	22 ^h 56'	9 ^h 7'	22 ^h 26'	15 ^h 23'	18 ^h 5'	3 ^h 40'	25 ^h 16'	24 ^h 13'	15 ^h 14'	8 ^h 20
W27	1 1 47	13 ^h 31'43"	3 ^h 53'	26 ^h 16'	2 ^h 39'	23 ^h 37'	9 ^h 13'	22 ^h 24'	15 ^h 22'	18 ^h 5'	3 ^h 39'	25 ^h 4'	24 ^h 10'	15 ^h 21'	8 ^h 17
T 28	1 5 43	14 ^h 31'12"	15 ^h 34'	26 ^h 51'	3 ^h 54'	24 ^h 18'	9 ^h 19'	22 ^h 22'	15 ^h 21'	18 ^h 6'	3 ^h 37'	24 ^h 50'	24 ^h 7'	15 ^h 27'	8 ^h 14
F 29	1 9 40	15 ^h 30'42"	27 ^h 43'	27 ^h 34'	5 ^h 8'	24 ^h 58'	9 ^h 26'	22 ^h 20'	15 ^h 20'	18 ^h 6'	3 ^h 36'	24 ^h 36'	24 ^h 4'	15 ^h 34'	8 ^h 11
S 30	1 13 36	16 ^h 30'14"	9 ^h ML59	28 ^h 26'	6 ^h ML23	25 ^h 539	9 ^h 32	22 ^h 19	15 ^h 18	18 ^h 5	3 ^h Y35	24 ^h 323	24 ^h 3	15 ^h 41	8 ^h Y 9

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
F 1	4n46	11s57	5 s 3	7s42	3s49	0n57	1n12	1s58	0n34	23s35	0s18	15s11	1s38	16s47	0s44	21n41	0s39	14s 7	17s13	20s47	21s 5	3n26	5n49	2n14
S 2	4 23	16 29	5 5	7 47	3 53	0 26	1 11	2 15	0 33	23 35	0 18	15 12	1 38	16 47	0 44	21 41	0 39	14 8	17 13	20 49	21 5	3 23	5 48	2 14
S 3	4 0	20 24	4 54	7 49	3 55	0s 5	1 9	2 31	0 33	23 35	0 18	15 14	1 38	16 48	0 44	21 41	0 39	14 8	17 14	20 51	21 6	3 20	5 47	2 14
M 4	3 37	23 29	4 29	7 47	3 57	0 36	1 8	2 47	0 32	23 35	0 18	15 15	1 38	16 48	0 44	21 41	0 39	14 9	17 14	20 52	21 7	3 17	5 46	2 14
T 5	3 14	25 29	3 50	7 42	3 57	1 7	1 6	3 3	0 32	23 35	0 18	15 16	1 38	16 49	0 44	21 40	0 39	14 10	17 14	20 52	21 7	3 13	5 45	2 14
W 6	2 51	26 10	2 59	7 32	3 56	1 38	1 5	3 19	0 31	23 34	0 18	15 17	1 38	16 49	0 44	21 40	0 39	14 10	17 14	20 52	21 8	3 10	5 44	2 14
T 7	2 27	25 22	1 57	7 19	3 54	2 9	1 3	3 35	0 31	23 34	0 18	15 19	1 38	16 50	0 44	21 40	0 39	14 11	17 14	20 52	21 8	3 7	5 43	2 14
F 8	2 4	23 3	0 46	7 0	3 50	2 40	1 2	3 51	0 30	23 34	0 19	15 20	1 38	16 50	0 44	21 40	0 39	14 11	17 14	20 52	21 9	3 4	5 42	2 14
S 9	1 41	19 15	0n29	6 38	3 44	3 10	1 0	4 7	0 30	23 34	0 19	15 21	1 38	16 51	0 44	21 40	0 39	14 12	17 14	20 52	21 10	3 1	5 40	2 14
S 10	1 17	14 11	1 45	6 11	3 36	3 41	0 58	4 24	0 29	23 34	0 19	15 22	1 38	16 51	0 44	21 40	0 39	14 12	17 14	20 52	21 10	2 58	5 39	2 14
M11	0 54	8 9	2 56	5 40	3 26	4 12	0 56	4 40	0 28	23 34	0 19	15 23	1 38	16 52	0 44	21 39	0 39	14 13	17 14	20 53	21 11	2 55	5 38	2 14
T 12	0 30	1 35	3 55	5 5	3 15	4 43	0 55	4 56	0 28	23 34	0 19	15 24	1 38	16 52	0 44	21 39	0 39	14 13	17 14	20 54	21 11	2 52	5 37	2 14
W13	0 7	5n 6	4 37	4 27	3 1	5 13	0 53	5 12	0 27	23 34	0 19	15 25	1 38	16 53	0 44	21 39	0 39	14 14	17 14	20 56	21 12	2 49	5 36	2 14
T 14	0s17	11 26	5 0	3 46	2 46	5 44	0 51	5 28	0 27	23 33	0 19	15 26	1 38	16 53	0 44	21 39	0 39	14 14	17 14	20 58	21 12	2 46	5 35	2 14
F 15	0 40	16 59	5 1	3 3	2 29	6 14	0 49	5 44	0 26	23 33	0 19	15 27	1 38	16										

SWISS EPHEMERIS for the year 1581

OCTOBER 1581 JC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	1 17 33	17♂2948	22♉25	29♎25	7♉37	26♂20	9♃39	22°R17	15°R19	18♄7	3°R34	24°R11	23♃57	15♎47	8°R 6
M 2	1 21 29	18°29'24	5♁1	0♂31	8°51	27° 1	9°45	22♁16	15♁18	18° 8	3°Y33	24♃2	23°54	15°54	8°Y 3
T 3	1 25 26	19°29'02	1°48	1°43	10° 6	27°42	9°52	22°14	15°18	18° 8	3°32	23°57	23°51	16° 1	8° 0
W 4	1 29 23	20°28'42	0♃49	2°59	11°20	28°23	9°59	22°13	15°17	18° 8	3°31	23°54	23°48	16° 7	7°57
T 5	1 33 19	21°28'24	14° 7	4°20	12°35	29° 4	10° 7	22°12	15°17	18° 8	3°29	23°53	23°45	16°14	7°55
F 6	1 37 16	22°28'07	27°43	5°45	13°49	29°45	10°14	22°10	15°16	18° 9	3°28	23°53	23°42	16°21	7°52
S 7	1 41 12	23°27'52	11♁40	7°13	15° 4	0♉26	10°22	22° 9	15°16	18° 9	3°27	23°52	23°38	16°27	7°49
S 8	1 45 9	24°27'38	25°58	8°43	16°18	1° 7	10°29	22° 8	15°15	18° 9	3°26	23°50	23°35	16°34	7°47
M 9	1 49 5	25°27'27	10♁36	10°16	17°32	1°48	10°37	22° 8	15°15	18° 9	3°25	23°45	23°32	16°41	7°44
T 10	1 53 2	26°27'17	25°30	11°50	18°47	2°30	10°45	22° 7	15°15	18° 9	3°24	23°38	23°29	16°48	7°41
W 11	1 56 58	27°27'08	10°Y31	13°26	20° 1	3°11	10°53	22° 6	15°14	18°R 9	3°23	23°28	23°26	16°54	7°39
T 12	2 0 55	28°27'02	25°30	15° 3	21°16	3°52	11° 1	22° 6	15°14	18° 9	3°22	23°16	23°23	17° 1	7°36
F 13	2 4 52	29°26'57	10♁19	16°40	22°30	4°34	11°10	22° 5	15°14	18° 9	3°21	23° 4	23°19	17° 8	7°33
S 14	2 8 48	0♉26'55	24°48	18°18	23°44	5°15	11°18	22° 5	15°14	18° 9	3°20	22°54	23°16	17°14	7°31
S 15	2 12 45	1°26'55	8♉51	19°57	24°59	5°57	11°27	22° 5	15°D14	18° 9	3°19	22°46	23°13	17°21	7°28
M 16	2 16 41	2°26'57	22°26	21°36	26°13	6°38	11°36	22° 5	15°14	18° 9	3°18	22°40	23°10	17°28	7°26
T 17	2 20 38	3°27'01	5♁33	23°15	27°27	7°20	11°44	22°D 5	15°14	18° 9	3°17	22°37	23° 7	17°34	7°23
W 18	2 24 34	4°27'07	18°15	24°54	28°42	8° 1	11°54	22° 5	15°14	18° 8	3°16	22°D36	23° 3	17°41	7°21
T 19	2 28 31	5°27'15	0♉36	26°33	29°56	8°43	12° 3	22° 5	15°14	18° 8	3°15	22°R36	23° 0	17°48	7°18
F 20	2 32 27	6°27'25	12°41	28°12	1♁10	9°25	12°12	22° 5	15°14	18° 8	3°14	22°36	22°57	17°54	7°16
S 21	2 36 24	7°27'38	24°35	29°51	2°25	10° 7	12°21	22° 5	15°15	18° 8	3°13	22°34	22°54	18° 1	7°14
S 22	2 40 21	8°27'52	6♎25	1♉29	3°39	10°49	12°31	22° 6	15°15	18° 7	3°12	22°31	22°51	18° 8	7°11
M 23	2 44 17	9°28'08	18°14	3° 8	4°53	11°31	12°41	22° 7	15°15	18° 7	3°11	22°25	22°48	18°15	7° 9
T 24	2 48 14	10°28'27	0♂ 7	4°46	6° 7	12°13	12°50	22° 7	15°16	18° 6	3°10	22°16	22°44	18°21	7° 7
W 25	2 52 10	11°28'47	12° 8	6°23	7°22	12°55	13° 0	22° 8	15°16	18° 6	3° 9	22° 5	22°41	18°28	7° 5
T 26	2 56 7	12°29'09	24°17	8° 1	8°36	13°37	13°10	22° 9	15°17	18° 5	3° 8	21°52	22°38	18°35	7° 2
F 27	3 0 3	13°29'33	6♉38	9°38	9°50	14°19	13°20	22°10	15°17	18° 5	3° 8	21°39	22°35	18°41	7° 0
S 28	3 4 0	14°29'59	19° 9	11°15	11° 5	15° 1	13°30	22°11	15°18	18° 4	3° 7	21°26	22°32	18°48	6°58
S 29	3 7 56	15°30'26	1♁52	12°52	12°19	15°43	13°41	22°12	15°19	18° 4	3° 6	21°16	22°28	18°55	6°56
M 30	3 11 53	16°30'55	14°46	14°28	13°33	16°25	13°51	22°14	15°19	18° 3	3° 5	21° 8	22°25	19° 1	6°54
T 31	3 15 50	17♉31'26	27♁51	16♉ 4	14♁47	17♉ 8	14♃2	22♁15	15♁20	18♄3	3°Y 4	21♃3	22♃22	19♎8	6°Y52

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	6s53	22s41	4s25	1n51	1n46	13s54	0n12	9s55	0n17	23s28	0s20	15s38	1s37	16s58	0s43	21n37	0s39	14s21	17s14	21s20	21s22	1n53	5n14	2n12
M 2	7 16	24 55	3 47	1 30	1 52	14 20	0 9	10 11	0 17	23 28	0 20	15 39	1 37	16 58	0 43	21 37	0 39	14 22	17 14	21 21	21 22	1 50	5 13	2 12
T 3	7 38	25 53	2 58	1 6	1 56	14 47	0 6	10 26	0 16	23 27	0 20	15 39	1 36	16 59	0 43	21 37	0 39	14 22	17 14	21 22	21 23	1 47	5 12	2 12
W 4	8 1	25 28	1 59	0 38	2 0	15 12	0 4	10 41	0 15	23 27	0 20	15 39	1 36	16 59	0 43	21 37	0 39	14 22	17 13	21 23	21 24	1 44	5 11	2 12
T 5	8 23	23 36	0 51	0 8	2 2	15 38	0 1	10 56	0 15	23 27	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 24	1 41	5 10	2 12
F 6	8 46	20 20	0n20	0s24	2 3	16 3	0s 1	11 11	0 14	23 26	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 25	1 38	5 9	2 12
S 7	9 8	15 51	1 33	0 59	2 3	16 27	0 4	11 26	0 14	23 25	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 25	1 35	5 7	2 12
S 8	9 30	10 22	2 41	1 35	2 3	16 51	0 7	11 41	0 13	23 25	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 23	21 26	1 31	5 6	2 11
M 9	9 52	4 13	3 40	2 13	2 1	17 15	0 9	11 56	0 12	23 24	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 24	21 26	1 28	5 5	2 11
T 10	10 14	2n16	4 25	2 52	1 59	17 38	0 12	12 11	0 12	23 24	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 25	21 27	1 25	5 4	2 11
W 11	10 35	8 39	4 53	3 31	1 57	18 1	0 15	12 26	0 11	23 23	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 13	21 27	21 27	1 22	5 3	2 11
T 12	10 57	14 32	5 0	4 12	1 53	18 24	0 17	12 40	0 11	23 23	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 29	21 28	1 19	5 2	2 11
F 13	11 18	19 29	4 47	4 53	1 50	18 46	0 20	12 55	0 10	23 22	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 31	21 28	1 16	5 0	2 11
S 14	11 39	23 8	4 16	5 34	1 46	19 7	0 23	13 9	0 10	23 21	0 21	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 33	21 29	1 13	4 59	2 11
S 15	12 0	25 16	3 29	6 16	1 41	19 28	0 25	13 24	0 9	23 21	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 12	21 34	21 30	1 10	4 58	2 11
M 16	12 21	25 49	2 32	6 57	1 36	19 48	0 28	13 38	0 8	23 20	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 12	21 35	21 30	1 7	4 57	2 10
T 17	12 42	24 52	1 29	7 39	1 31	20 8	0 31	13 52	0 8	23 19	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 31	1 4	4 56	2 10
W 18	13 2	22 38	0 23	8 21	1 25	20 27	0 33	14 6	0 7	23 18	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 31	1 1	4 55	2 10
T 19	13 22	19 23	0s42	9 2	1 19	20 46	0 36	14 20	0 7	23 18	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 32	0 58	4 54	2 10
F 20	13 42	15 22	1 44	9 43	1 13	21 4	0 39	14 34	0 6	23 17	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 27	17 11	21 36	21 32	0 55	4 53	2 10
S 21	14 2	10 50	2 41	10 24	1 7	21 22	0 41	14 48	0 5	23 16	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 11	21 36	21 33	0 51	4 52	2 10
S 22	14 21	5 55	3 30	11 4	1 1	21 39	0 44	15 2	0 5	23 15	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 10	21 37	21 33	0 48	4 51	2 10
M 23	14 41	0 50	4 10	11 44	0 55	21 55	0 46	15 15	0 4	23 14	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 10	21 38	21 34	0 45	4 50	2 9
T 24	15 0	4s19	4 40	12 23	0 48	22 11	0 49	15 29	0 4	23 13	0 21	15 40	1 35	16 58	0 43	21 37	0 39	14 27	17 10	21 39	21 34	0 42	4 49	2 9
W 25	15 19	9 21	4 57	13 2	0 41	22 26	0 52	15 42	0 3	23 12	0 21	15 39	1 34	16 58	0 43	21 37	0 39	14 27	17 10	21 41	21 35	0 39	4 47	2 9
T 26	15 37	14 6	5 1	13 40	0 35	22 41	0 54	15 55	0 2	23 12	0 21	15 39	1 34	16 58	0 43	21 37	0 39	14 28	17 10	21 43	21 35	0 36	4 46	2 9
F 27	15 56	18 20	4 51	14 17	0 28	22 55	0 57	16 9	0 2	23 11	0 21	15 38	1 34	16 58	0 42	21 37	0 39	14 28	17 9	21 45	21 36	0 33	4 45	2 9
S 28	16 14	21 50	4 28	14 54	0 21	23 8	0 59	16 22	0 1	23 10	0 21	15 38	1 34	16 58	0 42	21 37	0 39	14 28	17 9	21 47	21 36	0 30	4 45	2 9

SWISS EPHEMERIS for the year 1581

NOVEMBER 1581 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♆	♁	♁	♁	♁	♁
W 1	3 19 46	18 ^m 31'58	11 ^h 3 7	17 ^m 39	16 ^s 2	17 ^m 50	14 ^h 13	22 ^m 17	15 ^s 21	18 ^h R 2	3 ^h R 3	21 ^h R 0	22 ^h 3 19	19 ^m 15	6 ^h R50
T 2	3 23 43	19 ^h 32'31	24 ^h 34	19 ^h 15	17 ^h 16	18 ^h 33	14 ^h 23	22 ^h 18	15 ^h 22	18 ^h 1	3 ^h Y 3	21 ^h D 0	22 ^h 16	19 ^h 22	6 ^h Y48
F 3	3 27 39	20 ^h 33'06	8 ^h 14	20 ^h 50	18 ^h 30	19 ^h 15	14 ^h 34	22 ^h 20	15 ^h 23	18 ^h 1	3 ^h 2	21 ^h R 1	22 ^h 13	19 ^h 28	6 ^h 46
S 4	3 31 36	21 ^h 33'41	22 ^h 7	22 ^h 25	19 ^h 44	19 ^h 58	14 ^h 45	22 ^h 22	15 ^h 24	18 ^h 0	3 ^h 1	21 ^h R 1	22 ^h 9	19 ^h 35	6 ^h 45
S 5	3 35 32	22 ^h 34'18	6 ^h 13	24 ^h 0	20 ^h 58	20 ^h 40	14 ^h 56	22 ^h 24	15 ^h 25	17 ^h 59	3 ^h 1	21 ^h 0	22 ^h 6	19 ^h 42	6 ^h 43
M 6	3 39 29	23 ^h 34'56	20 ^h 32	25 ^h 34	22 ^h 13	21 ^h 23	15 ^h 7	22 ^h 26	15 ^h 26	17 ^h 58	3 ^h 0	20 ^h 57	22 ^h 3	19 ^h 48	6 ^h 41
T 7	3 43 25	24 ^h 35'35	5 ^h Y 1	27 ^h 9	23 ^h 27	22 ^h 5	15 ^h 19	22 ^h 28	15 ^h 27	17 ^h 57	2 ^h 59	20 ^h 52	22 ^h 0	19 ^h 55	6 ^h 39
W 8	3 47 22	25 ^h 36'15	19 ^h 36	28 ^h 43	24 ^h 41	22 ^h 48	15 ^h 30	22 ^h 30	15 ^h 28	17 ^h 56	2 ^h 59	20 ^h 44	21 ^h 57	20 ^h 2	6 ^h 38
T 9	3 51 19	26 ^h 36'57	4 ^h 10	0 ^h X 17	25 ^h 55	23 ^h 31	15 ^h 41	22 ^h 32	15 ^h 29	17 ^h 56	2 ^h 58	20 ^h 36	21 ^h 54	20 ^h 8	6 ^h 36
F 10	3 55 15	27 ^h 37'40	18 ^h 37	1 ^h 51	27 ^h 9	24 ^h 14	15 ^h 53	22 ^h 35	15 ^h 31	17 ^h 55	2 ^h 57	20 ^h 27	21 ^h 50	20 ^h 15	6 ^h 35
S 11	3 59 12	28 ^h 38'24	2 ^h II 50	3 ^h 25	28 ^h 23	24 ^h 57	16 ^h 5	22 ^h 37	15 ^h 32	17 ^h 54	2 ^h 57	20 ^h 18	21 ^h 47	20 ^h 22	6 ^h 33
S 12	4 3 8	29 ^h 39'09	16 ^h 43	4 ^h 58	29 ^h 37	25 ^h 39	16 ^h 16	22 ^h 40	15 ^h 33	17 ^h 53	2 ^h 56	20 ^h 12	21 ^h 44	20 ^h 29	6 ^h 32
M13	4 7 5	0 ^h X 39'56	0 ^h 14	6 ^h 32	0 ^h 51	26 ^h 22	16 ^h 28	22 ^h 43	15 ^h 35	17 ^h 52	2 ^h 56	20 ^h 8	21 ^h 41	20 ^h 35	6 ^h 30
T 14	4 11 1	1 ^h 40'45	13 ^h 20	8 ^h 5	2 ^h 5	27 ^h 5	16 ^h 40	22 ^h 46	15 ^h 36	17 ^h 51	2 ^h 55	20 ^h 6	21 ^h 38	20 ^h 42	6 ^h 29
W15	4 14 58	2 ^h 41'34	26 ^h 3	9 ^h 39	3 ^h 19	27 ^h 48	16 ^h 52	22 ^h 48	15 ^h 38	17 ^h 50	2 ^h 55	20 ^h D 6	21 ^h 34	20 ^h 49	6 ^h 28
T 16	4 18 54	3 ^h 42'25	8 ^h 12 7	11 ^h 12	4 ^h 33	28 ^h 32	17 ^h 4	22 ^h 51	15 ^h 39	17 ^h 48	2 ^h 54	20 ^h 7	21 ^h 31	20 ^h 55	6 ^h 26
F 17	4 22 51	4 ^h 43'18	20 ^h 35	12 ^h 45	5 ^h 47	29 ^h 15	17 ^h 16	22 ^h 55	15 ^h 41	17 ^h 47	2 ^h 54	20 ^h 8	21 ^h 28	21 ^h 2	6 ^h 25
S 18	4 26 48	5 ^h 44'11	2 ^h II 32	14 ^h 19	7 ^h 1	29 ^h 58	17 ^h 28	22 ^h 58	15 ^h 42	17 ^h 46	2 ^h 53	20 ^h R 9	21 ^h 25	21 ^h 9	6 ^h 24
S 19	4 30 44	6 ^h 45'06	14 ^h 24	15 ^h 52	8 ^h 15	0 ^h X 41	17 ^h 40	23 ^h 1	15 ^h 44	17 ^h 45	2 ^h 53	20 ^h 9	21 ^h 22	21 ^h 16	6 ^h 23
M20	4 34 41	7 ^h 46'03	26 ^h 15	17 ^h 25	9 ^h 29	1 ^h 24	17 ^h 53	23 ^h 4	15 ^h 46	17 ^h 44	2 ^h 52	20 ^h 7	21 ^h 19	21 ^h 22	6 ^h 22
T 21	4 38 37	8 ^h 47'00	8 ^h 10	18 ^h 58	10 ^h 43	2 ^h 8	18 ^h 5	23 ^h 8	15 ^h 48	17 ^h 43	2 ^h 52	20 ^h 3	21 ^h 15	21 ^h 29	6 ^h 21
W22	4 42 34	9 ^h 47'59	20 ^h 14	20 ^h 31	11 ^h 57	2 ^h 51	18 ^h 18	23 ^h 11	15 ^h 49	17 ^h 41	2 ^h 52	19 ^h 57	21 ^h 12	21 ^h 36	6 ^h 20
T 23	4 46 30	10 ^h 48'59	2 ^h II 29	22 ^h 4	13 ^h 11	3 ^h 35	18 ^h 30	23 ^h 15	15 ^h 51	17 ^h 40	2 ^h 51	19 ^h 51	21 ^h 9	21 ^h 42	6 ^h 19
F 24	4 50 27	11 ^h 50'00	14 ^h 59	23 ^h 37	14 ^h 24	4 ^h 18	18 ^h 43	23 ^h 19	15 ^h 53	17 ^h 39	2 ^h 51	19 ^h 43	21 ^h 6	21 ^h 49	6 ^h 19
S 25	4 54 23	12 ^h 51'02	27 ^h 45	25 ^h 9	15 ^h 38	5 ^h 2	18 ^h 56	23 ^h 23	15 ^h 55	17 ^h 37	2 ^h 51	19 ^h 36	21 ^h 3	21 ^h 56	6 ^h 18
S 26	4 58 20	13 ^h 52'06	10 ^h X 46	26 ^h 42	16 ^h 52	5 ^h 45	19 ^h 8	23 ^h 27	15 ^h 57	17 ^h 36	2 ^h 50	19 ^h 31	21 ^h 0	22 ^h 2	6 ^h 17
M27	5 2 17	14 ^h 53'10	24 ^h 2	28 ^h 14	18 ^h 6	6 ^h 29	19 ^h 21	23 ^h 31	15 ^h 59	17 ^h 35	2 ^h 50	19 ^h 26	20 ^h 56	22 ^h 9	6 ^h 16
T 28	5 6 13	15 ^h 54'14	7 ^h 31	29 ^h 47	19 ^h 19	7 ^h 13	19 ^h 34	23 ^h 35	16 ^h 1	17 ^h 33	2 ^h 50	19 ^h 24	20 ^h 53	22 ^h 16	6 ^h 16
W29	5 10 10	16 ^h 55'20	21 ^h 12	1 ^h 31	20 ^h 33	7 ^h 57	19 ^h 47	23 ^h 39	16 ^h 3	17 ^h 32	2 ^h 50	19 ^h D 23	20 ^h 50	22 ^h 23	6 ^h 15
T 30	5 14 6	17 ^h 56'26	5 ^h 22	2 ^h 350	21 ^h 347	8 ^h X 40	20 ^h 3 0	23 ^h 43	16 ^h 22	17 ^h 31	2 ^h Y 50	19 ^h 24	20 ^h 347	22 ^h II 29	6 ^h Y 15

Day	☉	☽	♀	♁	♂	♃	♅	♁	♆	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	17s23	23s54	0s53	17s14	0s 6	23s54	1s 9	17s12	0s 1	23s 5	0s21	15s36	1s34	16s57	0s42	21n38	0s39	14s28	17s 8	21s51	21s39	0n18	4n41	2n 8
T 2	17 39	20 57	0n19	17 46	0 12	24 4	1 11	17 25	0 2	23 4	0 22	15 35	1 34	16 56	0 42	21 38	0 39	14 28	17 8	21 51	21 39	0 15	4 40	2 8
F 3	17 56	16 47	1 31	18 18	0 19	24 13	1 13	17 37	0 2	23 3	0 22	15 34	1 34	16 56	0 42	21 38	0 39	14 28	17 8	21 51	21 40	0 12	4 39	2 8
S 4	18 12	11 41	2 38	18 50	0 25	24 21	1 15	17 49	0 3	23 2	0 22	15 34	1 34	16 56	0 42	21 38	0 39	14 28	17 7	21 51	21 40	0 9	4 38	2 8
S 5	18 27	5 53	3 37	19 20	0 32	24 29	1 18	18 1	0 4	23 1	0 22	15 33	1 33	16 55	0 42	21 38	0 39	14 28	17 7	21 51	21 41	0 5	4 37	2 7
M 6	18 43	0n17	4 24	19 49	0 38	24 36	1 20	18 13	0 4	23 0	0 22	15 32	1 33	16 55	0 42	21 38	0 39	14 28	17 7	21 51	21 41	0 2	4 36	2 7
T 7	18 58	6 29	4 54	20 17	0 45	24 42	1 22	18 25	0 5	22 58	0 22	15 32	1 33	16 55	0 42	21 38	0 39	14 28	17 6	21 52	21 42	0s 1	4 36	2 7
W 8	19 12	12 23	5 5	20 45	0 51	24 47	1 24	18 36	0 5	22 57	0 22	15 31	1 33	16 54	0 42	21 38	0 39	14 28	17 6	21 53	21 42	0 4	4 35	2 7
T 9	19 27	17 35	4 57	21 11	0 57	24 52	1 26	18 48	0 6	22 56	0 22	15 30	1 33	16 54	0 42	21 39	0 39	14 28	17 6	21 55	21 43	0 7	4 34	2 7
F 10	19 41	21 43	4 30	21 36	1 3	24 56	1 28	18 59	0 7	22 55	0 22	15 29	1 33	16 54	0 42	21 39	0 39	14 28	17 6	21 56	21 43	0 10	4 33	2 7
S 11	19 54	24 28	3 46	22 0	1 9	24 59	1 30	19 10	0 7	22 53	0 22	15 28	1 33	16 53	0 42	21 39	0 39	14 28	17 5	21 57	21 44	0 13	4 32	2 6
S 12	20 7	25 39	2 45	22 23	1 14	25 1	1 32	19 21	0 8	22 52	0 22	15 27	1 33	16 53	0 42	21 39	0 39	14 28	17 5	21 58	21 44	0 16	4 32	2 6
M13	20 20	25 15	1 50	22 45	1 20	25 3	1 33	19 32	0 9	22 51	0 22	15 26	1 33	16 52	0 42	21 39	0 39	14 28	17 5	21 59	21 45	0 19	4 31	2 6
T 14	20 33	23 26	0 36	23 6	1 25	25 4	1 35	19 42	0 9	22 49	0 22	15 25	1 33	16 52	0 42	21 39	0 39	14 28	17 4	21 59	21 45	0 22	4 30	2 6
W15	20 45	20 28	0s32	23 26	1 30	25 4	1 37	19 53	0 10	22 48	0 22	15 24	1 32	16 51	0 42	21 39	0 39	14 28	17 4	21 59	21 46	0 25	4 30	2 6
T 16	20 56	16 37	1 38	23 44	1 35	25 3	1 39	20 3	0 10	22 46	0 22	15 23	1 32	16 51	0 42	21 39	0 39	14 28	17 4	21 59	21 46	0 28	4 29	2 6
F 17	21 8	12 11	2 37	24 2	1 40	25 2	1 40	20 13	0 11	22 45	0 22	15 22	1 32	16 50	0 42	21 40	0 39	14 28	17 3	21 59	21 47	0 31	4 28	2 5
S 18	21 19	7 20	3 29	24 18	1 44	25 0	1 42	20 23	0 12	22 43	0 22	15 21	1 32	16 50	0 42	21 40	0 39	14 28	17 3	21 59	21 47	0 34	4 28	2 5
S 19	21 29	2 17	4 12	24 33																				

SWISS EPHEMERIS for the year 1581

DECEMBER 1581 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♄	♃	♅	♁	♆	♇	♈	♉	♊
F 1	5 18 3	18°57'32	18°59	4°21	23°0	9°24	20°13	23°47	16°8	17°R29	2°R49	19°26	20°34	22°36	6°R15
S 2	5 21 59	19°58'39	3°3	5°51	24°14	10°8	20°26	23°52	16°10	17°28	2°Y49	19°27	20°40	22°43	6°Y14
S 3	5 25 56	20°59'45	17°10	7°21	25°28	10°52	20°40	23°56	16°12	17°26	2°49	19°R28	20°37	22°49	6°14
M 4	5 29 53	22°0'52	1°20	8°50	26°41	11°36	20°53	24°1	16°15	17°25	2°49	19°28	20°34	22°56	6°14
T 5	5 33 49	23°2'00	15°32	10°17	27°55	12°20	21°6	24°5	16°17	17°23	2°49	19°26	20°31	23°3	6°13
W 6	5 37 46	24°3'07	29°41	11°44	29°8	13°4	21°19	24°10	16°20	17°22	2°49	19°23	20°28	23°10	6°13
T 7	5 41 42	25°4'15	13°46	13°9	0°21	13°48	21°33	24°15	16°22	17°20	2°D49	19°20	20°25	23°16	6°D13
F 8	5 45 39	26°5'23	27°43	14°32	1°35	14°32	21°46	24°20	16°24	17°19	2°49	19°16	20°21	23°23	6°13
S 9	5 49 35	27°6'31	11°28	15°52	2°48	15°16	22°0	24°25	16°27	17°17	2°49	19°13	20°18	23°30	6°13
S 10	5 53 32	28°7'40	24°59	17°11	4°1	16°1	22°13	24°30	16°30	17°16	2°49	19°10	20°15	23°36	6°14
M11	5 57 28	29°8'48	8°13	18°26	5°14	16°45	22°27	24°35	16°32	17°14	2°49	19°9	20°12	23°43	6°14
T 12	6 1 25	0°9'58	21°9	19°38	6°28	17°29	22°40	24°40	16°35	17°12	2°49	19°D 9	20°9	23°50	6°14
W13	6 5 22	1°11'07	3°24	20°45	7°41	18°14	22°54	24°45	16°37	17°11	2°49	19°9	20°6	23°57	6°14
T 14	6 9 18	2°12'16	16°10	21°48	8°54	18°58	23°8	24°51	16°40	17°9	2°49	19°11	20°2	24°3	6°15
F 15	6 13 15	3°13'26	28°19	22°46	10°7	19°43	23°22	24°56	16°43	17°7	2°50	19°12	19°59	24°10	6°15
S 16	6 17 11	4°14'37	10°17	23°37	11°20	20°27	23°35	25°1	16°46	17°6	2°50	19°13	19°56	24°17	6°15
S 17	6 21 8	5°15'47	22°10	24°20	12°32	21°12	23°49	25°7	16°48	17°4	2°50	19°14	19°53	24°23	6°16
M18	6 25 4	6°16'58	4°2	24°56	13°45	21°56	24°3	25°12	16°51	17°2	2°50	19°R15	19°50	24°30	6°17
T 19	6 29 1	7°18'09	15°57	25°23	14°58	22°41	24°17	25°18	16°54	17°1	2°50	19°15	19°46	24°37	6°17
W20	6 32 57	8°19'20	28°1	25°40	16°11	23°26	24°31	25°24	16°57	16°59	2°51	19°14	19°43	24°43	6°18
T 21	6 36 54	9°20'32	10°17	25°R46	17°23	24°10	24°45	25°29	17°0	16°57	2°51	19°13	19°40	24°50	6°19
F 22	6 40 51	10°21'43	22°50	25°41	18°36	24°55	24°59	25°35	17°3	16°56	2°51	19°12	19°37	24°57	6°19
S 23	6 44 47	11°22'55	5°42	25°24	19°48	25°40	25°13	25°41	17°6	16°54	2°52	19°10	19°34	25°4	6°20
S 24	6 48 44	12°24'07	18°55	24°55	21°1	26°25	25°27	25°47	17°9	16°52	2°52	19°10	19°31	25°10	6°21
M25	6 52 40	13°25'18	2°28	24°15	22°13	27°10	25°41	25°53	17°12	16°51	2°53	19°9	19°27	25°17	6°22
T 26	6 56 37	14°26'30	16°21	23°24	23°26	27°55	25°55	25°59	17°15	16°49	2°53	19°D 9	19°24	25°24	6°23
W27	7 0 33	15°27'41	0°29	22°23	24°38	28°40	26°9	26°5	17°18	16°47	2°53	19°9	19°21	25°30	6°24
T 28	7 4 30	16°28'51	14°49	21°14	25°50	29°25	26°23	26°11	17°21	16°46	2°54	19°9	19°18	25°37	6°26
F 29	7 8 27	17°30'01	29°15	20°0	27°2	0°10	26°37	26°17	17°24	16°44	2°54	19°9	19°15	25°44	6°27
S 30	7 12 23	18°31'10	13°42	18°42	28°14	0°55	26°51	26°24	17°27	16°42	2°55	19°9	19°12	25°51	6°28
S 31	7 16 20	19°32'19	28°4	17°23	29°26	1°30	27°3	26°30	17°30	16°41	2°Y55	19°R 9	19°3	25°57	6°Y29

Day	☉		☽		♀		♁		♂		♄		♃		♅		♁		♆		♇			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	23s 2	12s43	2n35	25s41	2s16	23s25	1s55	22s14	0s20	22s21	0s23	15s 3	1s31	16s42	0s41	21n42	0s39	14s25	16s58	22s 5	21s54	1s14	4n22	2n 3
S 2	23 7	7 3	3 37	25 37	2 15	23 12	1 55	22 21	0 20	22 19	0 23	15 2	1 31	16 41	0 41	21 42	0 39	14 25	16 58	22 5	21 54	1 17	4 21	2 3
S 3	23 11	1 0	4 25	25 32	2 14	22 59	1 56	22 28	0 21	22 17	0 23	15 0	1 31	16 40	0 41	21 42	0 39	14 24	16 58	22 5	21 54	1 20	4 21	2 2
M 4	23 15	5n 5	4 58	25 24	2 13	22 46	1 56	22 35	0 21	22 15	0 23	14 59	1 31	16 40	0 41	21 42	0 39	14 24	16 57	22 5	21 55	1 23	4 21	2 2
T 5	23 19	10 56	5 13	25 16	2 11	22 31	1 56	22 41	0 22	22 13	0 23	14 57	1 31	16 39	0 41	21 43	0 39	14 24	16 57	22 5	21 55	1 26	4 21	2 2
W 6	23 22	16 12	5 9	25 6	2 8	22 16	1 56	22 48	0 23	22 11	0 24	14 55	1 31	16 38	0 41	21 43	0 39	14 24	16 57	22 5	21 56	1 29	4 20	2 2
T 7	23 24	20 33	4 46	24 54	2 4	22 1	1 56	22 54	0 23	22 9	0 24	14 54	1 31	16 37	0 41	21 43	0 39	14 23	16 56	22 6	21 56	1 32	4 20	2 2
F 8	23 26	23 41	4 6	24 41	2 0	21 45	1 56	22 59	0 24	22 7	0 24	14 52	1 31	16 37	0 41	21 43	0 39	14 23	16 56	22 6	21 57	1 35	4 20	2 1
S 9	23 28	25 23	3 13	24 27	1 55	21 28	1 56	23 5	0 25	22 5	0 24	14 50	1 31	16 36	0 41	21 43	0 39	14 23	16 56	22 7	21 57	1 38	4 20	2 1
S 10	23 29	25 33	2 9	24 11	1 49	21 10	1 56	23 10	0 25	22 3	0 24	14 49	1 31	16 35	0 41	21 44	0 39	14 22	16 55	22 7	21 58	1 41	4 20	2 1
M11	23 29	24 14	1 0	23 54	1 42	20 52	1 56	23 16	0 26	22 1	0 24	14 47	1 30	16 34	0 41	21 44	0 39	14 22	16 55	22 7	21 58	1 44	4 20	2 1
T 12	23 30	21 39	0s11	23 36	1 34	20 34	1 55	23 20	0 26	21 59	0 24	14 45	1 30	16 33	0 41	21 44	0 39	14 21	16 55	22 7	21 59	1 47	4 20	2 1
W13	23 29	18 3	1 20	23 18	1 25	20 14	1 55	23 25	0 27	21 56	0 24	14 43	1 30	16 33	0 41	21 44	0 39	14 21	16 54	22 7	21 59	1 50	4 20	2 0
T 14	23 29	13 44	2 24	22 58	1 15	19 55	1 54	23 30	0 28	21 54	0 24	14 41	1 30	16 32	0 41	21 44	0 39	14 21	16 54	22 7	22 0	1 53	4 19	2 0
F 15	23 27	8 58	3 20	22 38	1 5	19 34	1 54	23 34	0 28	21 52	0 24	14 39	1 30	16 31	0 41	21 45	0 39	14 20	16 53	22 7	22 0	1 56	4 19	2 0
S 16	23 26	3 55	4 6	22 17	0 52	19 14	1 53	23 38	0 29	21 50	0 24	14 38	1 30	16 30	0 41	21 45	0 39	14 20	16 53	22 7	22 1	1 59	4 19	2 0
S 17	23 23	1s12	4 42	21 56	0 39	18 52	1 52	23 41	0 29	21 47	0 24	14 36	1 30	16 29	0 41	21 45	0 39	14 19	16 53	22 7	22 1	2 2	4 20	2 0
M18	23 21	6 17	5 6	21 36	0 25	18 30	1 51	23 45	0 30	21 45	0 24	14 34	1 30	16 28	0 41	21 45	0 39	14 19	16 52	22 7	22 2	2 5	4 20	2 0
T 19	23 18	11 9	5 16	21 16	0 9	18 8	1 50	23 48	0 31	21 43	0 24	14 32	1 30	16 27	0 41	21 46	0 39	14 19	16 52	22 7	22 2	2 8	4 20	1 59
W20	23 14	15 39	5 13	20 56	0n 7	17 45	1 49	23 51	0 31	21 40	0 25	14 30	1 30	16 27	0 41	21 46	0 39	14 18	16 52	22 7	22 2	2 11	4 20	1 59
T 21	23 10	19 36	4 56	20 38	0 25	17 22	1 48	23 54	0 32	21 38	0 25	14 28	1 30	16 26	0 41	21 46	0 39	14 18	16 51	22 7	22 3	2 14	4 20	1 59
F 22	23 5 22	46 4	4 24	20 21	0 43	16 58	1 46	23 56	0 32	21 35	0 25	14 26	1 30	16 25	0 41	21 46	0 39	14 17	16 51	22 7	22 3	2 17	4 20	1 59
S 23	23 0 24	53 3	3 38	20 6	1 2	16 34	1 45	23 58	0 33	21 33	0 25	14 24	1 30	16 24	0 41	21 46	0 39	14 17	16 51	22 7	22 4	2 20	4 20	1 59
S 24	22 55																							