

SWISS EPHEMERIS for the year 1720

JANUARY 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
M 1	6 39 8	9°30'22	14°00	28°15	24°50	8°19	4°58	22°05	14°58	17°R55	19°R 6	19°Ω 4	20°Ω34	0°Ω 7	13°Ω 1	
T 2	6 43 5	10°51'32	27°20	28°38	25°39	8°55	5° 2	22°10	14°59	17°R54	19°R 5	19° 6	20°30	0°14	13° 3	
W 3	6 47 1	11°52'41	11°51	28°51	26°29	9°31	5° 5	22°16	15° 0	17°53	19° 5	19°R 6	20°27	0°21	13° 6	
T 4	6 50 58	12°53'52	26° 1	28°R53	27°20	10° 7	5° 8	22°21	15° 0	17°52	19° 5	19° 6	20°24	0°28	13° 8	
F 5	6 54 54	13°55'02	10°19	28°43	28°12	10°44	5°11	22°27	15° 1	17°51	19° 4	19° 3	20°21	0°34	13°10	
S 6	6 58 51	14°56'12	24°43	28°22	29° 5	11°20	5°14	22°32	15° 2	17°50	19° 4	18°59	20°18	0°41	13°13	
S 7	7 2 47	15°57'22	9° 7	27°49	29°58	11°57	5°17	22°37	15° 3	17°50	19° 3	18°54	20°15	0°48	13°15	
M 8	7 6 44	16°58'33	23°27	27° 4	0°52	12°34	5°19	22°42	15° 4	17°49	19° 3	18°49	20°11	0°54	13°17	
T 9	7 10 40	17°59'43	7°37	26° 9	1°46	13°10	5°22	22°47	15° 4	17°48	19° 2	18°44	20° 8	1° 1	13°20	
W10	7 14 37	19° 0'53	21°32	25° 5	2°41	13°47	5°24	22°52	15° 5	17°48	19° 2	18°41	20° 5	1° 8	13°22	
T 11	7 18 34	20° 2'02	5° 8	23°54	3°37	14°24	5°26	22°57	15° 5	17°47	19° 1	18°38	20° 2	1°15	13°25	
F 12	7 22 30	21° 3'11	18°23	22°39	4°34	15° 1	5°28	23° 2	15° 6	17°47	19° 0	18°D38	19°59	1°21	13°28	
S 13	7 26 27	22° 4'19	1°18	21°20	5°30	15°38	5°29	23° 7	15° 6	17°46	19° 0	18°38	19°55	1°28	13°30	
S 14	7 30 23	23° 5'26	13°52	20° 2	6°28	16°15	5°31	23°12	15° 7	17°45	18°59	18°40	19°52	1°35	13°33	
M15	7 34 20	24° 6'33	26° 9	18°46	7°26	16°52	5°32	23°16	15° 7	17°45	18°58	18°41	19°49	1°41	13°36	
T 16	7 38 16	25° 7'39	8°14	17°34	8°24	17°29	5°33	23°21	15° 7	17°45	18°57	18°43	19°46	1°48	13°38	
W17	7 42 13	26° 8'43	20° 9	16°29	9°23	18° 7	5°33	23°25	15° 7	17°44	18°57	18°44	19°43	1°55	13°41	
T 18	7 46 9	27° 9'47	2° 1	15°31	10°22	18°44	5°34	23°30	15° 8	17°44	18°56	18°R44	19°40	2° 2	13°44	
F 19	7 50 6	28°10'50	13°55	14°41	11°22	19°21	5°34	23°34	15° 8	17°43	18°55	18°43	19°36	2° 8	13°47	
S 20	7 54 3	29°11'52	25°53	14° 0	12°22	19°58	5°35	23°38	15°R 8	17°43	18°54	18°41	19°33	2°15	13°50	
S 21	7 57 59	0°22'53	8°II 2	13°29	13°23	20°36	5°R35	23°43	15° 8	17°43	18°53	18°39	19°30	2°22	13°53	
M22	8 1 56	1°13'53	20°25	13° 7	14°24	21°13	5°35	23°47	15° 8	17°43	18°52	18°36	19°27	2°28	13°56	
T 23	8 5 52	2°14'53	3°Ω 3	12°53	15°25	21°51	5°34	23°51	15° 7	17°42	18°51	18°33	19°24	2°35	13°59	
W24	8 9 49	3°15'51	15°59	12°D48	16°27	22°28	5°34	23°55	15° 7	17°42	18°50	18°31	19°21	2°42	14° 2	
T 25	8 13 45	4°16'48	29°12	12°51	17°29	23° 6	5°33	23°58	15° 7	17°42	18°49	18°29	19°17	2°49	14° 5	
F 26	8 17 42	5°17'44	12°Ω42	13° 2	18°31	23°43	5°32	24° 2	15° 7	17°42	18°48	18°D29	19°14	2°55	14° 8	
S 27	8 21 38	6°18'39	26°26	13°19	19°34	24°21	5°31	24° 6	15° 6	17°42	18°47	18°29	19°11	3° 2	14°11	
S 28	8 25 35	7°19'33	10°Ω27	13°42	20°37	24°59	5°30	24° 9	15° 6	17°42	18°46	18°29	19° 8	3° 9	14°14	
M29	8 29 32	8°20'26	24°27	14°12	21°41	25°36	5°28	24°13	15° 5	17°D42	18°45	18°30	19° 5	3°15	14°18	
T 30	8 33 28	9°21'18	8°Ω38	14°46	22°44	26°14	5°26	24°16	15° 5	17°42	18°44	18°31	19° 1	3°22	14°21	
W31	8 37 25	10°22'10	22°Ω51	15°Ω26	23°Ω48	26°Ω52	5°Ω25	24°Ω20	15°Ω 4	17°Ω42	18°Ω43	18°Ω32	18°Ω58	3°Ω29	14°Ω24	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	23s 6	8n19	2n12	20s47	0s15	15s12	3n55	3n24	0n 6	0s46	1n20	16s17	2n 6	5s17	0n40	15n28
T 2	23 2	3 51	3 15	20 27	0n 1	15 23	3 56	3 39	0 7	0 47	1 20	16 18	2 6	5 17	0 40	15 28
W 3	22 57	0s53	4 8	20 7	0 18	15 34	3 56	3 55	0 9	0 48	1 20	16 20	2 6	5 18	0 40	15 27
T 4	22 51	5 36	4 47	19 49	0 36	15 45	3 57	4 10	0 10	0 49	1 20	16 21	2 6	5 18	0 40	15 27
F 5	22 45	10 4	5 8	19 33	0 55	15 56	3 57	4 26	0 11	0 50	1 21	16 22	2 6	5 18	0 40	15 27
S 6	22 38	13 58	5 10	19 19	1 14	16 7	3 57	4 41	0 13	0 51	1 21	16 23	2 7	5 19	0 40	15 27
S 7	22 31	17 2	4 52	19 7	1 33	16 18	3 57	4 57	0 14	0 52	1 21	16 25	2 7	5 19	0 40	15 27
M 8	22 24	19 2	4 17	18 57	1 52	16 30	3 57	5 12	0 15	0 52	1 22	16 26	2 7	5 19	0 41	15 27
T 9	22 16	19 50	3 26	18 49	2 10	16 41	3 56	5 27	0 16	0 53	1 22	16 27	2 7	5 19	0 41	15 26
W10	22 7	19 24	2 23	18 44	2 27	16 52	3 56	5 43	0 17	0 54	1 22	16 28	2 7	5 20	0 41	15 26
T 11	21 59	17 50	1 13	18 41	2 43	17 4	3 55	5 58	0 19	0 54	1 22	16 29	2 7	5 20	0 41	15 26
F 12	21 49	15 19	0 1	18 40	2 57	17 15	3 54	6 14	0 20	0 54	1 23	16 30	2 7	5 20	0 41	15 26
S 13	21 40	12 6	1s 9	18 41	3 8	17 26	3 53	6 29	0 21	0 55	1 23	16 31	2 8	5 20	0 41	15 26
S 14	21 30	8 25	2 14	18 44	3 17	17 37	3 51	6 44	0 22	0 55	1 23	16 32	2 8	5 20	0 41	15 26
M15	21 19	4 28	3 12	18 48	3 24	17 48	3 50	6 59	0 23	0 55	1 23	16 33	2 8	5 20	0 41	15 26
T 16	21 8	0 24	4 0	18 53	3 28	17 59	3 48	7 15	0 24	0 55	1 24	16 34	2 8	5 20	0 41	15 26
W17	20 57	3n37	4 37	18 59	3 29	18 9	3 47	7 30	0 25	0 56	1 24	16 35	2 8	5 20	0 41	15 26
T 18	20 45	7 28	5 2	19 7	3 29	18 20	3 45	7 45	0 26	0 56	1 24	16 36	2 8	5 20	0 41	15 26
F 19	20 33	11 2	5 14	19 15	3 26	18 30	3 43	8 0	0 27	0 55	1 25	16 37	2 8	5 20	0 41	15 26
S 20	20 21	14 11	5 13	19 24	3 22	18 40	3 40	8 15	0 28	0 55	1 25	16 38	2 9	5 20	0 41	15 26
S 21	20 8	16 47	4 57	19 33	3 16	18 50	3 38	8 30	0 29	0 55	1 25	16 39	2 9	5 20	0 41	15 26
M22	19 55	18 40	4 28	19 42	3 8	18 59	3 36	8 45	0 30	0 55	1 25	16 40	2 9	5 20	0 41	15 26
T 23	19 41	19 41	3 45	19 52	3 0	19 8	3 33	9 0	0 31	0 54	1 26	16 41	2 9	5 20	0 41	15 26
W24	19 27	19 42	2 50	20 1	2 51	19 17	3 31	9 15	0 32	0 54	1 26	16 41	2 9	5 20	0 41	15 26
T 25	19 13	18 38	1 45	20 11	2 41	19 26	3 28	9 30	0 33	0 53	1 26	16 42	2 9	5 20	0 41	15 26
F 26	18 58	16 31	0 32	20 20	2 31	19 34	3 25	9 45	0 34	0 53	1 26	16 43	2 10	5 20	0 41	15 26
S 27	18 43	13 25	0n44	20 29	2 20	19 42	3 22	9 59	0 35	0 52	1 27	16 44	2 10	5 20	0 41	15 26
S 28	18 28	9 31	1 58	20 37	2 10	19 50	3 19	10 14	0 35	0 51	1 27	16 44	2 10	5 19	0 41	15 26
M29	18 12	5 3	3 6	20 45	1 59	19 57	3 16	10 29	0 36	0 50	1 27	16 45	2 10	5 19	0 41	15 26
T 30	17 56	0 18	4 3	20 52	1 48	20 4	3 13	10 43	0 37	0 49	1 28	16 46	2 10	5 19	0 41	15 26
W31	17s40	4s28	4n46	20s59	1n37	20s11	3n 9	10n58	0n38	0s49	1n28	16s46	2n10	5s19	0n41	15n26

Julian Day Number = 2349276.5, Delta T = 9.99 sec  
 Ecliptic obliquity = 23°28'25, Nutation = - 0°00'11  
 Ayanamsha: Fagan/Bradley = 20°49'54, Lahiri = 19°56'54Greg. Calendar

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FEBRUARY 1720

00:00 UT

Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒
T 1	8 41 21	11 <sup>h</sup> 23'01"	7 <sup>m</sup> 4	16 <sup>s</sup> 310	24 <sup>s</sup> 753	27 <sup>s</sup> Y30	5°R23	24 <sup>m</sup> 23	15°R 4	17 <sup>h</sup> 42	18°R41	18°R32	18 <sup>h</sup> Ω55	3 <sup>h</sup> 36	14 <sup>h</sup> 28				
F 2	8 45 18	12°23'50"	21°14	16°58	25°57	28° 7	5 <sup>h</sup> 20	24°26	15 <sup>h</sup> 3	17°42	18 <sup>h</sup> 40	18 <sup>h</sup> Ω32	18°52	3°42	14°31				
S 3	8 49 14	13°24'39"	5 <sup>h</sup> 20	17°49	27° 2	28°45	5°18	24°29	15° 2	17°42	18°39	18°32	18°49	3°49	14°34				
S 4	8 53 11	14°25'28"	19°19	18°44	28° 7	29°23	5°15	24°32	15° 1	17°43	18°38	18°31	18°46	3°56	14°38				
M 5	8 57 7	15°26'15"	3 <sup>h</sup> 310	19°42	29°12	0 <sup>h</sup> 1	5°12	24°35	15° 1	17°43	18°36	18°31	18°42	4° 2	14°41				
T 6	9 1 4	16°27'01"	16°50	20°43	0 <sup>h</sup> 318	0°39	5° 9	24°38	15° 0	17°43	18°35	18°31	18°39	4° 9	14°44				
W 7	9 5 1	17°27'46"	0 <sup>h</sup> 318	21°46	1°24	1°17	5° 6	24°41	14°59	17°43	18°34	18°30	18°36	4°16	14°48				
T 8	9 8 57	18°28'29"	13°31	22°52	2°30	1°55	5° 3	24°43	14°58	17°44	18°33	18°30	18°33	4°23	14°51				
F 9	9 12 54	19°29'11"	26°30	24° 0	3°36	2°33	4°59	24°46	14°57	17°44	18°31	18°30	18°30	4°29	14°55				
S 10	9 16 50	20°29'52"	9 <sup>h</sup> 13	25°10	4°42	3°11	4°56	24°48	14°56	17°45	18°30	18°30	18°27	4°36	14°58				
S 11	9 20 47	21°30'31"	21°42	26°21	5°49	3°49	4°52	24°50	14°54	17°45	18°28	18°30	18°23	4°43	15° 2				
M 12	9 24 43	22°31'09"	3 <sup>h</sup> Y57	27°35	6°55	4°27	4°48	24°53	14°53	17°45	18°27	18°30	18°20	4°50	15° 6				
T 13	9 28 40	23°31'44"	16° 1	28°50	8° 2	5° 5	4°44	24°55	14°52	17°46	18°26	18°29	18°17	4°56	15° 9				
W 14	9 32 36	24°32'19"	27°57	0 <sup>h</sup> 7	9° 9	5°43	4°39	24°57	14°51	17°47	18°24	18°28	18°14	5° 3	15°13				
T 15	9 36 33	25°32'51"	9 <sup>h</sup> 50	1°25	10°17	6°21	4°35	24°59	14°49	17°47	18°23	18°28	18°11	5°10	15°16				
F 16	9 40 30	26°33'22"	21°43	2°45	11°24	6°59	4°30	25° 0	14°48	17°48	18°21	18°D27	18° 7	5°16	15°20				
S 17	9 44 26	27°33'50"	3 <sup>h</sup> II40	4° 6	12°32	7°37	4°25	25° 2	14°46	17°48	18°20	18°27	18° 4	5°23	15°24				
S 18	9 48 23	28°34'17"	15°48	5°29	13°39	8°15	4°20	25° 4	14°45	17°49	18°18	18°28	18° 1	5°30	15°27				
M 19	9 52 19	29°34'42"	28° 9	6°52	14°47	8°53	4°15	25° 5	14°43	17°50	18°17	18°29	17°58	5°37	15°31				
T 20	9 56 16	0 <sup>h</sup> 35'05"	10 <sup>h</sup> 349	8°17	15°55	9°32	4°10	25° 7	14°42	17°51	18°15	18°30	17°55	5°43	15°35				
W 21	10 0 12	1°35'27"	23°50	9°43	17° 3	10°10	4° 4	25° 8	14°40	17°51	18°14	18°31	17°52	5°50	15°38				
T 22	10 4 9	2°35'46"	7 <sup>h</sup> Ω14	11°11	18°12	10°48	3°59	25° 9	14°39	17°52	18°12	18°32	17°48	5°57	15°42				
F 23	10 8 5	3°36'03"	21° 0	12°39	19°20	11°26	3°53	25°10	14°37	17°53	18°11	18°R32	17°45	6° 3	15°46				
S 24	10 12 2	4°36'19"	5 <sup>h</sup> 8	14° 9	20°29	12° 4	3°47	25°11	14°35	17°54	18° 9	18°31	17°42	6°10	15°50				
S 25	10 15 59	5°36'33"	19°32	15°39	21°37	12°42	3°41	25°12	14°33	17°55	18° 8	18°30	17°39	6°17	15°53				
M 26	10 19 55	6°36'45"	4 <sup>h</sup> 7	17°11	22°46	13°21	3°35	25°13	14°32	17°56	18° 6	18°28	17°36	6°24	15°57				
T 27	10 23 52	7°36'55"	18°46	18°44	23°55	13°59	3°29	25°14	14°30	17°57	18° 5	18°25	17°32	6°30	16° 1				
W 28	10 27 48	8°37'04"	3 <sup>h</sup> II24	20°17	25° 4	14°37	3°22	25°14	14°28	17°58	18° 3	18°23	17°29	6°37	16° 5				
T 29	10 31 45	9 <sup>h</sup> 37'11"	17 <sup>h</sup> 53	21 <sup>h</sup> 52	26 <sup>h</sup> 13	15 <sup>h</sup> 15	3 <sup>h</sup> 16	25 <sup>h</sup> 15	14 <sup>h</sup> 26	17 <sup>h</sup> 59	18 <sup>h</sup> 1	18 <sup>h</sup> Ω21	17 <sup>h</sup> Ω26	6 <sup>h</sup> 44	16 <sup>h</sup> 8				

Day	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒						
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
T 1	17s23	9s 0	5n11	21s 5	1n26	20s17	3n 6	11n12	0n39	0s47	1n28	16s47	2n11	5s18	0n41	15n26	1s46	18n41	15n29	15n18	15n10	8n 4	2s 3	4n25
F 2	17 6 13	0 5	17 21	10 15	20 22	3 2	11 26	0 40	0 46	1 28	16 48	2 11	5 18	0 41	15 26	1 46	18 41	15 30	15 18	15 11	8 6	2 2	4 25	
S 3	16 49 16	15 5	4 21	14 1	4 20	28 2	5 9	11 41	0 40	0 45	1 29	16 48	2 11	5 18	0 41	15 26	1 46	18 42	15 30	15 18	15 12	8 8	2 1	4 25
S 4	16 32 18	31 4	33 21	17 0	53 20	32 2	55 11	55 0	41 0	44 1	29 16	49 2	11 5	17 0	41 15	26 1	46 18	43 15	30 15	18 15	13 8	10 2	0 4	25
M 5	16 14 19	40 3	46 21	19 0	43 20	37 2	52 12	9 0	42 0	43 1	29 16	49 2	11 5	17 0	41 15	27 1	46 18	44 15	31 15	18 15	14 8	12 1	58 4	24
T 6	15 56 19	39 2	47 21	20 0	33 20	40 2	48 12	23 0	43 0	41 1	29 16	50 2	11 5	17 0	41 15	27 1	46 18	45 15	31 15	18 15	15 8	14 1	57 4	24
W 7	15 37 18	30 1	39 21	20 0	23 20	44 2	44 12	37 0	43 0	40 1	30 16	50 2	12 5	16 0	41 15	27 1	46 18	45 15	31 15	18 15	16 8	16 1	56 4	24
T 8	15 19 16	21 0	28 21	19 0	13 20	47 2	40 12	51 0	44 0	38 1	30 16	51 2	12 5	16 0	41 15	27 1	46 18	46 15	32 15	18 15	17 8	18 1	55 4	24
F 9	15 0 13	24 0	s44 21	17 0	4 20	49 2	36 13	4 0	45 0	36 1	30 16	51 2	12 5	15 0	42 15	27 1	46 18	47 15	32 15	18 15	18 8	20 1	54 4	24
S 10	14 41 9	52 1	52 21	13 0	s 5	20 51	2 32	13 18	0 45	0 35	1 30	16 51	2 12	5 15	0 42	15 27	1 46	18 48	15 32	15 18	15 19	8 22	1 52	4 24
S 11	14 21 5	58 2	54 21	9 0	14 20	52 2	28 13	32 0	46 0	33 1	31 16	52 2	12 5	15 0	42 15	27 1	46 18	49 15	33 15	18 15	20 8	24 1	51 4	23
M 12	14 2 1	53 3	46 21	3 0	23 20	53 2	24 13	45 0	47 0	31 1	31 16	52 2	13 5	14 0	42 15	28 1	46 18	50 15	33 15	18 15	21 8	26 1	50 4	23
T 13	13 42 2n11	4 28	20 56	0	31 20	54 2	20 13	59 0	47 0	29 1	31 16	52 2	13 5	14 0	42 15	28 1	45 18	50 15	33 15	19 15	22 8	28 1	49 4	23
W 14	13 22 6	8 4	57 20	48 0	39 20	54 2	16 14	12 0	48 0	27 1	31 16	53 2	13 5	13 0	42 15	28 1	45 18	51 15	33 15	19 15	23 8	30 1	48 4	23
T 15	13 1 9	49 5	13 20	38 0	47 20	53 2	12 14	25 0	49 0	25 1	32 16	53 2	13 5	12 0	42 15	28 1	45 18	52 15	34 15	19 15	24 8	32 1	46 4	23
F 16	12 41 13	7 5	16 20	28 0	55 20	52 2	8 14	39 0	49 0	23 1	32 16	53 2	13 5	12 0	42 15	29 1	45 18	53 15	34 15	19 15	25 8	34 1	45 4	23
S 17	12 20 15	55 5	6 20	16 1	2 20	50 2	4 14	52 0	50 0	21 1	32 16	53 2	14 5	11 0	42 15	29 1	45 18	54 15	34 15	19 15	26 8	36 1	44 4	23
S 18	11 59 18	3 4	42 20	2 1	9 20	47 1	59 15	5 0	51 0	19 1	32 16	54 2	14 5	11 0	42 15	29 1	45 18	54 15	34 15	19 15	27 8	38 1	42 4	22
M 19	11 38 19	24 4	4 19	48 1	15 20	45 1	55 15	17 0	51 0	17 1	32 16	54 2	14 5	10 0	42 15	29 1	45 18	55 15	35 15	19 15	28 8	40 1	41 4	22
T 20	11 17 19	49 3	14 19	32 1	21 20	41 1	51 15	30 0	52 0	14 1	33 16	54 2	14 5	10 0	42 15	30 1	45 18	56 15	35 15	18 15	29 8	42 1	40 4	22
W 21	10 55 19	12 2	13 19	15 1	27 20	37 1	47 15	43 0	52 0	12 1	33 16	54 2	14 5	9 0	42 15	30 1	45 18	57 15	35 15	18 15	30 8	44 1	39 4	22
T 22	10 34 17	29 1	2 18	56 1	33 20	33 1	42 15	55 0	53 0	10 1	33 16	54 2	15 5	8 0	42 15	30 1	45 18	58 15	35 15	18 15	31 8	46 1	37 4	22
F 23	10 12 14	44 0n14	18 36	1	38 20	28 1	38 16	8 0	53 0	7 1	33 16	54 2	15 5	8 0	42 15	30 1	45 18	58 15	36 15	18 15	32 8	48 1	36 4	22
S 24	9 50 11	3 1	30 18	15 1	43 20	22 1	34 16	20 0	54 0	5 1	33 16	54 2	15 5	7 0	42 15	31 1	45 18	59 15	36 15	18 15	33 8	50 1	35 4	22
S 25	9 28 6	39 2	43 17	53 1	47 20	16 1	30 16	32 0	55 0	2 1	34 16	54 2	15 5	6 0	42 15	31 1	45 19 0	15 36	15 18	15 34	8 52	1 33	4 22	
M 26	9 6 1	49 3	46 17	29 1	52 20	9 1	25 16	45 0	55 0	n 0	1 34	16 54	2 15	5 5	0 42	15 31	1 45 19	1 15 36	15 19	15 35	8 54	1 32	4 21	
T 27	8 43 3s 8	4 34	17 4	1 55	20 2	1 21	16 56	0 56	0 3	1 34	16 54	2 15	5 5	0 42	15 32	1 45 19	2 15 36	15 20	15 36	8 56	1 30	4 21		
W 28	8 21 7	53 5	4 16	37 1	59 19	54 1	17 17	8 0	56 0	6 1	34 16	54 2	16 5	4 0	42 15	32 1	45 19 2	15 36	15 20	15 37	8 58	1 29	4 21	
T 29	7s58	12s 8																						

# SWISS EPHEMERIS for the year 1720

MARCH 1720

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	10 35 41	10 <sup>h</sup> 37'17"	2 <sup>h</sup> 7'10"	23 <sup>h</sup> 28'	27 <sup>h</sup> 23'	15 <sup>h</sup> 53'	3 <sup>h</sup> R 9	25 <sup>h</sup> M 15	14 <sup>h</sup> R24	18 <sup>h</sup> 0	18 <sup>h</sup> R 0	18 <sup>h</sup> R20	17 <sup>h</sup> Ω23	6 <sup>h</sup> 50	16 <sup>h</sup> 12		
S 2	10 39 38	11 <sup>h</sup> 37'22"	16 <sup>h</sup> 12'	25° 6'	28°32'	16°32'	3 <sup>h</sup> Ω 2	25°15'	14 <sup>h</sup> Ω22	18° 1'	17 <sup>h</sup> η58	18 <sup>h</sup> D19	17°20'	6°57'	16°16'		
S 3	10 43 34	12 <sup>h</sup> 37'24"	29°59'	26°44'	29°42'	17°10'	2°56'	25°16'	14°20'	18° 2'	17°57'	18 <sup>h</sup> Ω20	17°17'	7° 4'	16°20'		
M 4	10 47 31	13 <sup>h</sup> 37'25"	13 <sup>h</sup> 30'	28°23'	0 <sup>h</sup> 51'	17°48'	2°49'	25°R16	14°18'	18° 3'	17°55'	18°22'	17°13'	7°11'	16°24'		
T 5	10 51 28	14 <sup>h</sup> 37'25"	26°46'	0 <sup>h</sup> 4	2° 1'	18°26'	2°42'	25°16'	14°16'	18° 5'	17°53'	18°23'	17°10'	7°17'	16°27'		
W 6	10 55 24	15 <sup>h</sup> 37'23"	9 <sup>h</sup> 48'	1°45'	3°11'	19° 4'	2°35'	25°16'	14°14'	18° 6'	17°52'	18°24'	17° 7'	7°24'	16°31'		
T 7	10 59 21	16 <sup>h</sup> 37'19"	22°38'	3°28'	4°20'	19°43'	2°28'	25°15'	14°11'	18° 7'	17°50'	18 <sup>h</sup> R25	17° 4'	7°31'	16°35'		
F 8	11 3 17	17 <sup>h</sup> 37'13"	5 <sup>h</sup> 16'	5°12'	5°30'	20°21'	2°20'	25°15'	14° 9'	18° 8'	17°49'	18°23'	17° 1'	7°38'	16°39'		
S 9	11 7 14	18 <sup>h</sup> 37'05"	17°43'	6°57'	6°40'	20°59'	2°13'	25°15'	14° 7'	18°10'	17°47'	18°21'	16°58'	7°44'	16°43'		
S 10	11 11 10	19 <sup>h</sup> 36'55"	0 <sup>h</sup> 0'	8°43'	7°50'	21°37'	2° 6'	25°14'	14° 5'	18°11'	17°45'	18°16'	16°54'	7°51'	16°46'		
M 11	11 15 7	20 <sup>h</sup> 36'43"	12° 9'	10°30'	9° 1'	22°16'	1°58'	25°14'	14° 2'	18°12'	17°44'	18°11'	16°51'	7°58'	16°50'		
T 12	11 19 3	21 <sup>h</sup> 36'29"	24° 9'	12°19'	10°11'	22°54'	1°51'	25°13'	14° 0'	18°14'	17°42'	18° 5'	16°48'	8° 4'	16°54'		
W 13	11 23 0	22 <sup>h</sup> 36'13"	6 <sup>h</sup> 4	14° 9'	11°21'	23°32'	1°43'	25°12'	13°58'	18°15'	17°40'	17°58'	16°45'	8°11'	16°58'		
T 14	11 26 56	23°35'55"	17°56'	16° 0'	12°32'	24°10'	1°36'	25°11'	13°55'	18°17'	17°39'	17°53'	16°42'	8°18'	17° 2'		
F 15	11 30 53	24°35'34"	29°48'	17°52'	13°42'	24°49'	1°28'	25°10'	13°53'	18°18'	17°37'	17°48'	16°38'	8°25'	17° 5'		
S 16	11 34 50	25°35'12"	11 <sup>h</sup> 11'	19°46'	14°53'	25°27'	1°20'	25° 9'	13°51'	18°20'	17°36'	17°46'	16°35'	8°31'	17° 9'		
S 17	11 38 46	26°34'47"	23°48'	21°40'	16° 3'	26° 5'	1°13'	25° 8'	13°48'	18°21'	17°34'	17°D44	16°32'	8°38'	17°13'		
M 18	11 42 43	27°34'20"	6 <sup>h</sup> 6	23°36'	17°14'	26°43'	1° 5'	25° 6'	13°46'	18°23'	17°32'	17°45'	16°29'	8°45'	17°17'		
T 19	11 46 39	28°33'50"	18°41'	25°33'	18°24'	27°22'	0°57'	25° 5'	13°43'	18°24'	17°31'	17°46'	16°26'	8°51'	17°20'		
W 20	11 50 36	29°33'18"	1 <sup>h</sup> Ω39	27°31'	19°35'	28° 0'	0°49'	25° 3'	13°41'	18°26'	17°29'	17°47'	16°23'	8°58'	17°24'		
T 21	11 54 32	0 <sup>h</sup> Υ32'44"	15° 3'	29°30'	20°46'	28°38'	0°42'	25° 2'	13°38'	18°27'	17°28'	17°R48	16°19'	9° 5'	17°28'		
F 22	11 58 29	1°32'08"	28°54'	1 <sup>h</sup> Υ30	21°57'	29°16'	0°34'	25° 0'	13°36'	18°29'	17°26'	17°48'	16°16'	9°12'	17°32'		
S 23	12 2 25	2°31'29"	13 <sup>h</sup> η12	3°31'	23° 8'	29°54'	0°26'	24°58'	13°33'	18°31'	17°25'	17°45'	16°13'	9°18'	17°35'		
S 24	12 6 22	3°30'48"	27°53'	5°33'	24°19'	0 <sup>h</sup> Π33	0°18'	24°57'	13°31'	18°32'	17°23'	17°41'	16°10'	9°25'	17°39'		
M 25	12 10 19	4°30'05"	12 <sup>h</sup> Ω51	7°36'	25°30'	1°11'	0°11'	24°55'	13°28'	18°34'	17°22'	17°35'	16° 7'	9°32'	17°43'		
T 26	12 14 15	5°29'20"	27°57'	9°39'	26°41'	1°49'	0° 3'	24°53'	13°26'	18°36'	17°20'	17°27'	16° 4'	9°39'	17°46'		
W 27	12 18 12	6°28'33"	13 <sup>h</sup> η 0	11°42'	27°52'	2°27'	29 <sup>h</sup> η55	24°50'	13°23'	18°38'	17°19'	17°20'	16° 0'	9°45'	17°50'		
T 28	12 22 8	7°27'44"	27°52'	13°45'	29° 3'	3° 5'	29°48'	24°48'	13°21'	18°39'	17°17'	17°14'	15°57'	9°52'	17°54'		
F 29	12 26 5	8°26'53"	12 <sup>h</sup> Ω25	15°48'	0 <sup>h</sup> 14	3°44'	29°40'	24°46'	13°18'	18°41'	17°16'	17° 9'	15°54'	9°59'	17°57'		
S 30	12 30 1	9°26'01"	26°36'	17°51'	1°26'	4°22'	29°32'	24°43'	13°16'	18°43'	17°14'	17° 6'	15°51'	10° 5'	18° 1'		
S 31	12 33 58	10 <sup>h</sup> Υ25'07"	10 <sup>h</sup> Ω23	19 <sup>h</sup> Υ53	2 <sup>h</sup> 137	5 <sup>h</sup> Π 0	29 <sup>h</sup> η25	24 <sup>h</sup> η41	13 <sup>h</sup> Ω13	18 <sup>h</sup> Ω45	17 <sup>h</sup> η13	17°D 5	15 <sup>h</sup> Ω48	10 <sup>h</sup> Ω12	18 <sup>h</sup> 14	4	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	7s36	15s38	5n 6	15s40	2s 4	19s36	1n 8	17n32	0n57	0n11	1n34	16s54	2n16	5s 2	0n42	15n33	1s44	19n 4	15n37	15n21	15n39	9n 2	1s26	4n21
S 2	7 13 18	8 4 39	15 10	2 7	19 27	1 4	17 43	0 58	0 14	1 35	16 54	2 16	5 2	0 42	15 33	1 44	19 5	15 37	15 22	15 40	9 4	1 25	4 21	
S 3	6 50 19	33 3 56	14 38	2 8	19 16	1 0	17 55	0 58	0 17	1 35	16 54	2 16	5 1	0 42	15 33	1 44	19 5	15 37	15 21	15 41	9 6	1 24	4 21	
M 4	6 27 19	48 3 0	14 5	2 10	19 6	0 55	18 6	0 58	0 20	1 35	16 54	2 17	5 0	0 42	15 34	1 44	19 6	15 37	15 21	15 42	9 8	1 22	4 21	
T 5	6 4 18	56 1 56	13 30	2 11	18 55	0 51	18 17	0 59	0 23	1 35	16 54	2 17	4 59	0 42	15 34	1 44	19 7	15 37	15 20	15 43	9 10	1 21	4 21	
W 6	5 41 17	4 0 47	12 55	2 11	18 43	0 47	18 28	0 59	0 26	1 35	16 53	2 17	4 58	0 42	15 35	1 44	19 7	15 37	15 20	15 44	9 12	1 19	4 21	
T 7	5 17 14	21 0s23	12 18	2 12	18 31	0 43	18 39	1 0	0 29	1 35	16 53	2 17	4 57	0 42	15 35	1 44	19 8	15 37	15 20	15 45	9 14	1 18	4 21	
F 8	4 54 11	0 1 31	11 39	2 12	18 18	0 39	18 50	1 0	0 32	1 35	16 53	2 17	4 57	0 42	15 35	1 44	19 9	15 37	15 20	15 46	9 16	1 17	4 21	
S 9	4 31 7	13 2 34	11 0	2 10	18 5	0 34	19 0	1 1	0 35	1 35	16 53	2 18	4 56	0 42	15 36	1 44	19 10	15 37	15 21	15 47	9 18	1 15	4 21	
S 10	4 7 3	10 3 28	10 19	2 9	17 51	0 30	19 11	1 1	0 38	1 35	16 52	2 18	4 55	0 42	15 36	1 44	19 10	15 37	15 22	15 47	9 20	1 14	4 21	
M 11	3 44 0	56 4 12	9 36	2 8	17 36	0 26	19 21	1 1	0 41	1 36	16 52	2 18	4 54	0 42	15 37	1 44	19 11	15 37	15 24	15 48	9 22	1 12	4 20	
T 12	3 20 4	58 4 44	8 53	2 5	17 22	0 22	19 31	1 2	0 44	1 36	16 52	2 18	4 53	0 42	15 37	1 44	19 12	15 37	15 26	15 49	9 24	1 11	4 20	
W 13	2 56 8	46 5 4	8 8	2 3	17 6	0 18	19 41	1 2	0 47	1 36	16 51	2 18	4 52	0 42	15 38	1 44	19 12	15 37	15 28	15 50	9 26	1 9	4 20	
T 14	2 33 12	13 5 11	7 22	1 59	16 50	0 14	19 51	1 3	0 50	1 36	16 51	2 18	4 51	0 42	15 38	1 44	19 13	15 37	15 30	15 51	9 28	1 8	4 20	
F 15	2 9 15	11 5 4	6 35	1 56	16 34	0 10	20 1	1 3	0 53	1 36	16 50	2 19	4 50	0 42	15 38	1 44	19 14	15 37	15 31	15 52	9 30	1 7	4 20	
S 16	1 45 17	32 4 44	5 46	1 52	16 17	0 7	20 11	1 3	0 56	1 36	16 50	2 19	4 49	0 42	15 39	1 44	19 14	15 37	15 32	15 53	9 32	1 5	4 20	
S 17	1 22 19	8 4 12	4 57	1 47	16 0	0 3	20 20	1 4	0 59	1 36	16 50	2 19	4 48	0 42	15 39	1 44	19 15	15 37	15 32	15 54	9 34	1 4	4 20	
M 18	0 58 19	53 3 27	4 6	1 42	15 43	0s 1	20 29	1 4	1 2	1 36	16 49	2 19	4 47	0 42	15 40	1 44	19 15	15 37	15 32	15 55	9 36	1 2	4 20	
T 19	0 34 19	40 2 31	3 14	1 36	15 24	0 5	20 39	1 4	1 5	1 36	16 49	2 19	4 46	0 42	15 40	1 44	19 16	15 37	15 32	15 56	9 38	1 1	4 20	
W 20	0 11 18	25 1 27	2 21	1 29	15 6	0 8	20 48	1 5	1 9	1 36	16 48	2 19	4 45	0 42	15 41	1 43	19 17	15 37	15 31	15 57	9 40	0 59	4 20	
T 21	0n13	16 6 0	1 15	1 23	14 47	0 12	20 56	1 5</																

# SWISS EPHEMERIS for the year 1720

APRIL 1720

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	12 37 54	11°24'11	23°48	21°53	3°48	5°38	29°R17	24°R38	13°R10	18°47	17°R11	17° 6	15°44	10°19	18° 8	
T 2	12 41 51	12°23'14	6°52	23°52	5° 0	6°16	29°10	24°36	13° 8	18°49	17°10	17° 7	15°41	10°26	18°11	
W 3	12 45 48	13°22'15	19°38	25°50	6°11	6°54	29° 3	24°33	13° 5	18°50	17° 8	17°R 7	15°38	10°32	18°15	
T 4	12 49 44	14°21'13	2°11	27°45	7°23	7°33	28°55	24°30	13° 3	18°52	17° 7	17° 6	15°35	10°39	18°18	
F 5	12 53 41	15°20'10	14°32	29°38	8°34	8°11	28°48	24°27	13° 0	18°54	17° 6	17° 2	15°32	10°46	18°22	
S 6	12 57 37	16°19'05	26°45	1°27	9°46	8°49	28°41	24°24	12°58	18°56	17° 4	16°36	15°29	10°52	18°25	
S 7	13 1 34	17°17'58	8°50	3°14	10°57	9°27	28°34	24°21	12°55	18°58	17° 3	16°48	15°25	10°59	18°29	
M 8	13 5 30	18°16'49	20°50	4°56	12° 9	10° 5	28°27	24°18	12°52	19° 0	17° 1	16°37	15°22	11° 6	18°32	
T 9	13 9 27	19°15'38	2°45	6°35	13°21	10°43	28°20	24°15	12°50	19° 2	17° 0	16°25	15°19	11°13	18°36	
W10	13 13 23	20°14'25	14°38	8°10	14°32	11°21	28°13	24°12	12°47	19° 4	16°59	16°13	15°16	11°19	18°39	
T 11	13 17 20	21°13'10	26°29	9°40	15°44	11°59	28° 7	24° 8	12°45	19° 6	16°58	16° 1	15°13	11°26	18°42	
F 12	13 21 16	22°11'53	8°22	11° 6	16°56	12°38	28° 0	24° 5	12°42	19° 8	16°56	15°52	15° 9	11°33	18°46	
S 13	13 25 13	23°10'34	20°18	12°27	18° 8	13°16	27°54	24° 1	12°40	19°10	16°55	15°44	15° 6	11°40	18°49	
S 14	13 29 10	24° 9'13	2°21	13°43	19°19	13°54	27°47	23°58	12°37	19°12	16°54	15°40	15° 3	11°46	18°52	
M15	13 33 6	25° 7'49	14°36	14°54	20°31	14°32	27°41	23°54	12°35	19°15	16°53	15°37	15° 0	11°53	18°55	
T 16	13 37 3	26° 6'23	27° 8	15°59	21°43	15°10	27°35	23°51	12°32	19°17	16°51	15°D37	14°57	12° 0	18°59	
W17	13 40 59	27° 4'55	10° 0	17° 0	22°55	15°48	27°29	23°47	12°30	19°19	16°50	15°R37	14°54	12° 6	19° 2	
T 18	13 44 56	28° 3'25	23°17	17°54	24° 7	16°26	27°23	23°43	12°27	19°21	16°49	15°37	14°50	12°13	19° 5	
F 19	13 48 52	29° 1'52	7°13	18°44	25°19	17° 4	27°17	23°39	12°25	19°23	16°48	15°35	14°47	12°20	19° 8	
S 20	13 52 49	0° 0'18	21°19	19°27	26°31	17°42	27°12	23°36	12°22	19°25	16°47	15°32	14°44	12°27	19°11	
S 21	13 56 45	0°58'41	6° 2	20° 6	27°43	18°20	27° 6	23°32	12°20	19°27	16°46	15°25	14°41	12°33	19°14	
M22	14 0 42	1°57'02	21° 6	20°38	28°55	18°58	27° 1	23°28	12°18	19°29	16°45	15°16	14°38	12°40	19°17	
T 23	14 4 39	2°55'21	6°14	21° 5	0° 7	19°36	26°56	23°24	12°15	19°32	16°44	15° 6	14°35	12°47	19°20	
W24	14 8 35	3°53'39	21°43	21°26	1°19	20°14	26°51	23°20	12°13	19°34	16°43	14°55	14°31	12°53	19°23	
T 25	14 12 32	4°51'55	6°53	21°41	2°31	20°52	26°46	23°15	12°11	19°36	16°42	14°46	14°28	13° 0	19°26	
F 26	14 16 28	5°50'09	21°43	21°51	3°43	21°30	26°41	23°11	12° 8	19°38	16°41	14°38	14°25	13° 7	19°29	
S 27	14 20 25	6°48'22	6° 7	21°R55	4°55	22° 8	26°37	23° 7	12° 6	19°40	16°40	14°33	14°22	13°14	19°32	
S 28	14 24 21	7°46'33	20° 3	21°54	6° 7	22°46	26°32	23° 3	12° 4	19°43	16°39	14°30	14°19	13°20	19°34	
M29	14 28 18	8°44'43	3°33	21°48	7°19	23°24	26°28	22°59	12° 1	19°45	16°38	14°29	14°15	13°27	19°37	
T 30	14 32 14	9°42'51	16°34	21°37	8°31	24°II 2	26°17	22°54	11°59	19°47	16°38	14°29	14°12	13°34	19°40	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	4n31	19s22	2n 2	8n54	0n24	10s52	0s48	22n24	1n 8	1n45	1n36	16s40	2n21	4s34	0n42	15n47
T 2	4 54	17 42	0 55	9 49	0 35	10 29	0 51	22 31	1 8	1 48	1 36	16 40	2 21	4 33	0 42	15 48
W 3	5 17	15 10	0s14	10 43	0 47	10 5	0 54	22 37	1 9	1 51	1 36	16 39	2 22	4 32	0 42	15 48
T 4	5 40	11 57	1 20	11 36	0 58	9 41	0 56	22 44	1 9	1 54	1 36	16 38	2 22	4 31	0 42	15 49
F 5	6 3	8 16	2 21	12 26	1 9	9 17	0 59	22 50	1 9	1 56	1 36	16 37	2 22	4 30	0 42	15 49
S 6	6 26	4 17	3 15	13 15	1 21	8 52	1 2	22 57	1 9	1 59	1 36	16 36	2 22	4 29	0 42	15 50
S 7	6 48	0 10	4 0	14 2	1 31	8 27	1 4	23 3	1 10	2 2	1 36	16 35	2 22	4 28	0 42	15 50
M 8	7 11	3n55	4 33	14 47	1 42	8 2	1 7	23 9	1 10	2 5	1 35	16 35	2 22	4 27	0 42	15 51
T 9	7 33	7 50	4 54	15 30	1 52	7 37	1 9	23 14	1 10	2 7	1 35	16 34	2 22	4 26	0 42	15 52
W10	7 55	11 26	5 2	16 10	2 1	7 11	1 11	23 20	1 10	2 10	1 35	16 33	2 22	4 25	0 42	15 52
T 11	8 17	14 34	4 58	16 47	2 10	6 46	1 13	23 25	1 10	2 12	1 35	16 32	2 22	4 24	0 42	15 53
F 12	8 39	17 7	4 40	17 22	2 18	6 20	1 16	23 31	1 11	2 15	1 35	16 31	2 23	4 23	0 42	15 53
S 13	9 1	18 58	4 10	17 54	2 26	5 54	1 18	23 36	1 11	2 17	1 35	16 30	2 23	4 22	0 42	15 54
S 14	9 23	19 59	3 28	18 24	2 32	5 27	1 20	23 40	1 11	2 20	1 35	16 29	2 23	4 21	0 42	15 54
M15	9 44	20 4	2 37	18 51	2 38	5 1	1 22	23 45	1 11	2 22	1 35	16 28	2 23	4 20	0 42	15 55
T 16	10 6	19 11	1 37	19 14	2 43	4 34	1 23	23 50	1 11	2 24	1 35	16 27	2 23	4 19	0 42	15 56
W17	10 27	17 17	0 30	19 36	2 47	4 7	1 25	23 54	1 11	2 27	1 34	16 26	2 23	4 18	0 42	15 56
T 18	10 48	14 25	0n41	19 54	2 49	3 40	1 27	23 58	1 12	2 29	1 34	16 25	2 23	4 17	0 42	15 57
F 19	11 9	10 39	1 51	20 10	2 51	3 13	1 28	24 2	1 12	2 31	1 34	16 24	2 23	4 16	0 42	15 57
S 20	11 29	6 10	2 57	20 22	2 52	2 46	1 30	24 6	1 12	2 33	1 34	16 23	2 23	4 15	0 42	15 58
S 21	11 50	1 10	3 53	20 32	2 51	2 19	1 31	24 9	1 12	2 35	1 34	16 22	2 23	4 14	0 42	15 59
M22	12 10	4s 0	4 35	20 40	2 50	1 51	1 33	24 13	1 12	2 37	1 34	16 21	2 23	4 13	0 42	15 59
T 23	12 30	8 59	4 57	20 44	2 47	1 24	1 34	24 16	1 12	2 39	1 33	16 20	2 23	4 12	0 42	16 0
W24	12 50	13 25	4 59	20 46	2 43	0 56	1 35	24 19	1 12	2 41	1 33	16 19	2 23	4 11	0 42	16 0
T 25	13 10	16 54	4 39	20 45	2 37	0 28	1 36	24 22	1 13	2 43	1 33	16 18	2 23	4 11	0 42	16 1
F 26	13 29	19 13	4 1	20 41	2 31	0 1	1 37	24 25	1 13	2 44	1 33	16 17	2 24	4 10	0 42	16 2
S 27	13 48	20 12	3 8	20 35	2 23	0n27	1 38	24 27	1 13	2 46	1 33	16 16	2 24	4 9	0 42	16 2
S 28	14 7	19 54	2 5	20 26	2 14	0 55	1 39	24 29	1 13	2 48	1 32	16 15	2 24	4 8	0 42	16 3
M29	14 26	18 28	0 58	20 14	2 4	1 23	1 40	24 32	1 13	2 49	1 32	16 14	2 24	4 7	0 42	16 3
T 30	14n45	16s 4	0s11	20n 0	1n52	1n51	1s41	24n33	1n13	2n51	1n32	16s13	2n24	4s 6	0n42	16n 4

Julian Day Number = 2349367.5, Delta T = 10.00 sec  
 Ecliptic obliquity = 23°28'26", Nutation = - 0°0'12"  
 Ayanamsha: Fagan/Bradley = 20°50'06", Lahiri = 19°57'06"Greg. Calendar

# SWISS EPHEMERIS for the year 1720

MAY 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	14 36 11	10°40'58	29°15	21°R21	9°Y43	24°II40	26°R20	22°R50	11°R57	19°R49	16°R37	14°R29	14°Ω 9	13°R41	19°R43
T 2	14 40 8	11°39'04	11°K40	21°R 1	10°56	25°18	26°II16	22°II46	11°R55	19°51	16°II36	14°Ω27	14° 6	13°47	19°45
F 3	14 44 4	12°37'08	23°52	20°37	12° 8	25°56	26°13	22°41	11°53	19°54	16°35	14°22	14° 3	13°54	19°48
S 4	14 48 1	13°35'10	5°V55	20°10	13° 20	26°34	26° 9	22°37	11°51	19°56	16°34	14°15	14° 0	14° 1	19°50
S 5	14 51 57	14°33'11	17°53	19°40	14°32	27°12	26° 6	22°33	11°49	19°58	16°34	14° 5	13°56	14° 7	19°53
M 6	14 55 54	15°31'11	29°47	19° 7	15°45	27°50	26° 3	22°28	11°47	20° 0	16°33	13°52	13°53	14°14	19°56
T 7	14 59 50	16°29'09	11°R39	18°33	16°57	28°28	26° 0	22°24	11°45	20° 3	16°32	13°38	13°50	14°21	19°58
W 8	15 3 47	17°27'06	23°31	17°58	18° 9	29° 5	25°57	22°19	11°43	20° 5	16°32	13°24	13°47	14°28	20° 0
T 9	15 7 43	18°25'01	5°II24	17°22	19°22	29°43	25°55	22°15	11°41	20° 7	16°31	13°11	13°44	14°34	20° 3
F 10	15 11 40	19°22'54	17°20	16°46	20°34	0°E21	25°52	22°10	11°39	20° 9	16°31	12°59	13°41	14°41	20° 5
S 11	15 15 37	20°20'46	29°20	16°11	21°46	0°59	25°50	22° 6	11°37	20°12	16°30	12°50	13°37	14°48	20° 7
S 12	15 19 33	21°18'36	11°E28	15°37	22°59	1°37	25°48	22° 1	11°35	20°14	16°30	12°44	13°34	14°55	20°10
M13	15 23 30	22°16'25	23°46	15° 5	24°11	2°15	25°46	21°57	11°34	20°16	16°29	12°41	13°31	15° 1	20°12
T 14	15 27 26	23°14'12	6°Ω18	14°36	25°24	2°53	25°45	21°52	11°32	20°18	16°29	12°40	13°28	15° 8	20°14
W15	15 31 23	24°11'57	19° 8	14° 9	26°36	3°31	25°43	21°48	11°30	20°21	16°28	12°40	13°25	15°15	20°16
T 16	15 35 19	25° 9'40	2°II20	13°46	27°48	4° 9	25°42	21°43	11°29	20°23	16°28	12°40	13°21	15°21	20°18
F 17	15 39 16	26° 7'22	15°58	13°26	29° 1	4°46	25°41	21°39	11°27	20°25	16°28	12°38	13°18	15°28	20°20
S 18	15 43 12	27° 5'02	0°E 4	13°11	0°R13	5°24	25°40	21°35	11°25	20°27	16°27	12°35	13°15	15°35	20°22
S 19	15 47 9	28° 2'41	14°37	12°59	1°26	6° 2	25°39	21°30	11°24	20°30	16°27	12°29	13°12	15°42	20°24
M20	15 51 6	29° 0'18	29°34	12°52	2°38	6°40	25°38	21°26	11°22	20°32	16°27	12°21	13° 9	15°48	20°26
T 21	15 55 2	29°57'54	14°II46	12°D49	3°51	7°18	25°38	21°21	11°21	20°34	16°27	12°12	13° 6	15°55	20°28
W22	15 58 59	0°II55'28	0°R 4	12°50	5° 3	7°56	25°38	21°17	11°20	20°36	16°26	12° 2	13° 2	16° 2	20°29
T 23	16 2 55	1°53'02	15°17	12°57	6°16	8°33	25°D38	21°13	11°18	20°39	16°26	11°52	12°59	16° 8	20°31
F 24	16 6 52	2°50'34	0°R13	13° 7	7°28	9°11	25°38	21° 8	11°17	20°41	16°26	11°45	12°56	16°15	20°33
S 25	16 10 48	3°48'05	14°46	13°22	8°41	9°49	25°38	21° 4	11°16	20°43	16°26	11°40	12°53	16°22	20°34
S 26	16 14 45	4°45'35	28°51	13°42	9°53	10°27	25°39	21° 0	11°14	20°45	16°26	11°37	12°50	16°29	20°36
M27	16 18 41	5°43'05	12°R26	14° 6	11° 6	11° 5	25°40	20°55	11°13	20°47	16°D26	11°D37	12°47	16°35	20°37
T 28	16 22 38	6°40'34	25°34	14°34	12°19	11°42	25°40	20°51	11°12	20°50	16°26	11°37	12°43	16°42	20°39
W29	16 26 35	7°38'01	8°R18	15° 6	13°31	12°20	25°42	20°47	11°11	20°52	16°26	11°R38	12°40	16°49	20°40
T 30	16 30 31	8°35'28	20°43	15°42	14°44	12°58	25°43	20°43	11°10	20°54	16°26	11°37	12°37	16°56	20°42
F 31	16 34 28	9°II32'55	2°V54	16°R23	15°R57	13°E36	25°II44	20°II39	11°R 9	20°R56	16°II26	11°Ω34	12°Ω34	17°R 2	20°R43

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	15n 3	12s57	1s17	19n44	1n40	2n18	1s41	24n35	1n13	2n52	1n32	16s11	2n24	4s 5	0n42	16n 5	1s42	19n29	15n29	16n31	16n36	11n 3	0s 3	4n23
T 2	15 21	9 20	2 18	19 25	1 26	2 46	1 42	24 37	1 13	2 53	1 32	16 10	2 24	4 5	0 42	16 5	1 42	19 29	15 28	16 31	16 37	11 5	0 2	4 23
F 3	15 39	5 22	3 12	19 5	1 12	3 14	1 42	24 38	1 13	2 54	1 31	16 9	2 24	4 4	0 42	16 6	1 42	19 29	15 28	16 33	16 38	11 7	0 1	4 23
S 4	15 56	1 15	3 56	18 43	0 56	3 42	1 43	24 39	1 14	2 56	1 31	16 8	2 24	4 3	0 42	16 6	1 42	19 29	15 28	16 35	16 39	11 9	0n 0	4 23
S 5	16 14	2n52	4 29	18 19	0 40	4 9	1 43	24 40	1 14	2 57	1 31	16 7	2 24	4 2	0 42	16 7	1 42	19 29	15 27	16 38	16 40	11 11	0 2	4 23
M 6	16 31	6 52	4 51	17 54	0 23	4 37	1 43	24 41	1 14	2 58	1 31	16 6	2 24	4 1	0 42	16 8	1 42	19 29	15 27	16 41	16 41	11 13	0 3	4 24
T 7	16 47	10 36	4 59	17 28	0 6	5 5	1 43	24 42	1 14	2 59	1 31	16 5	2 24	4 1	0 42	16 8	1 42	19 29	15 26	16 45	16 42	11 15	0 4	4 24
W 8	17 4 13	55	4 55	17 2	0s11	5 32	1 43	24 42	1 14	3 0	1 30	16 4	2 24	4 0	0 42	16 9	1 42	19 29	15 26	16 49	16 43	11 17	0 5	4 24
T 9	17 20	16 41	4 38	16 35	0 29	6 0	1 43	24 42	1 14	3 0	1 30	16 3	2 24	3 59	0 42	16 9	1 42	19 29	15 26	16 53	16 44	11 19	0 6	4 24
F 10	17 36	18 45	4 8	16 8	0 46	6 27	1 43	24 42	1 14	3 1	1 30	16 1	2 24	3 59	0 42	16 10	1 42	19 29	15 25	16 56	16 45	11 21	0 7	4 24
S 11	17 52	20 1	3 27	15 42	1 3	6 54	1 43	24 42	1 14	3 2	1 30	16 0	2 24	3 58	0 42	16 11	1 42	19 29	15 25	16 59	16 46	11 23	0 8	4 24
S 12	18 7 20	22	2 37	15 16	1 20	7 21	1 43	24 42	1 14	3 2	1 29	15 59	2 24	3 57	0 42	16 11	1 42	19 29	15 25	17 1	16 46	11 25	0 9	4 24
M13	18 22	19 46	1 38	14 51	1 36	7 48	1 43	24 41	1 14	3 3	1 29	15 58	2 23	3 57	0 41	16 12	1 42	19 28	15 24	17 2	16 47	11 27	0 10	4 25
T 14	18 37	18 11	0 34	14 27	1 52	8 15	1 42	24 41	1 14	3 3	1 29	15 57	2 23	3 56	0 41	16 12	1 42	19 28	15 24	17 2	16 48	11 29	0 11	4 25
W15	18 51	15 39	0n34	14 5	2 7	8 41	1 42	24 40	1 14	3 4	1 29	15 56	2 23	3 55	0 41	16 13	1 42	19 28	15 23	17 2	16 49	11 30	0 12	4 25
T 16	19 5	12 15	1 42	13 45	2 21	9 8	1 41	24 39	1 14	3 4	1 29	15 55	2 23	3 55	0 41	16 14	1 42	19 28	15 23	17 2	16 50	11 32	0 13	4 25
F 17	19 19	8 6	2 47	13 27	2 34	9 34	1 41	24 38	1 14	3 4	1 28	15 54	2 23	3 54	0 41	16 14	1 42	19 27	15 23	17 2	16 51	11 34	0 14	4 25
S 18	19 32	3 23	3 43	13 11	2 46	10 0	1 40	24 36	1 14	3 4	1 28	15 53	2 23	3 53	0 41	16 15	1 42	19 27	15 22	17 3	16 52	11 36	0 15	4 25
S 19	19 45	1s40	4 27	12 57	2 57	10 26	1 39	24 35	1 14	3 4	1 28	15 52	2 23	3 53	0 41	16 15	1 42	19 27	15 22	17 5	16 53	11 38	0 16	4 26
M20	19 58	6 44	4 54	12 45	3 7	10 52	1 38	24 33	1 14	3 4	1 28	15 51	2 23	3 52	0 41	16 16	1 42	19 27	15 21	17 7	16 54	11 40	0 16	4 26
T 21	20 10	11 29	5 1	12 36	3 16	11 17	1 38	24 31	1 14	3 4	1 27	15 50	2 23	3 52	0 41	16 17	1 42	19 26	15 21	17 10	16 55	11 42	0 17	4 26
W22	20 22	15 31	4 47	12 29	3 24	11 42	1 37	24 29	1 14	3 4	1 27	15 48	2 23	3 51	0 41	16 17	1 42	19 26	15 21	17 13	16 56	11 44	0 18	4 26
T 23	20 34	18 29	4 12	12 24	3 30	12 7	1 36	24 26	1 15	3 4	1 27	15 47	2 23	3 51	0 41	16 18	1 42	19 26	15 20	17 15	16 56	11 46	0 19	4 26
F 24	20 45	20 7	3 21	12 22	3 36	12 32	1 35	24 24	1 15	3 4	1 27	15 46	2 23	3 50	0 41	16 18	1 42	19 25	15 20	17 17	16 57	11 48	0 20	4 26
S 25	20 56	20 23	2 18	12 22	3 40	12 56	1 33	24 21	1 15	3 3	1 26	15 45	2 23	3 50	0 41	16 19	1 42	19 25	15 19	17 19	16 58	11 50	0 21	4 27
S 26	21 7 19	19	1 7	12 25	3 44	13 20	1 32	24 18	1 15	3 3	1 26	15 44	2 23	3 49	0 41	16 19	1 42	19 25	15 19	17 19	16 59	11 52	0 21	4 27
M27	21 17	17 10	0s 4	12 30	3 46	13 44	1 31	24 15	1 15	3 2	1 26	15 43	2 22	3 49	0 41	16 20	1 42	19 24	15 18	17 20	17 0	11 54	0 22	4 27
T 28	21 27	14 10	1 14	12 36	3 47	14 8	1 30	24 12	1 15	3 2	1 26	15 42	2 22	3 49	0 41	16 21								

SWISS EPHEMERIS for the year 1720

JUNE 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	16 38 24	10II30'21	14V54	17♂ 7	17♂ 9	14♁13	25♃46	20°R35	11°R 8	20♂58	16♃26	11°R29	12♁31	17♂ 9	20♃44
S 2	16 42 21	11°27'46	26°48	17°55	18°22	14°51	25°47	20♃30	11♁ 7	21° 0	16°26	11♁22	12°27	17°16	20°45
M 3	16 46 17	12°25'10	8♂39	18°47	19°35	15°29	25°49	20°26	11° 7	21° 3	16°27	11°13	12°24	17°22	20°47
T 4	16 50 14	13°22'33	20°31	19°43	20°47	16° 7	25°52	20°23	11° 6	21° 5	16°27	11° 2	12°21	17°29	20°48
W 5	16 54 10	14°19'56	2II25	20°42	22° 0	16°44	25°54	20°19	11° 5	21° 7	16°27	10°51	12°18	17°36	20°49
T 6	16 58 7	15°17'19	14°22	21°44	23°13	17°22	25°56	20°15	11° 4	21° 9	16°27	10°41	12°15	17°43	20°50
F 7	17 2 4	16°14'40	26°25	22°50	24°26	18° 0	25°59	20°11	11° 4	21°11	16°28	10°32	12°12	17°49	20°51
S 8	17 6 0	17°12'01	8♁35	23°59	25°38	18°38	26° 2	20° 7	11° 3	21°13	16°28	10°26	12° 8	17°56	20°52
S 9	17 9 57	18° 9'21	20°53	25°12	26°51	19°16	26° 5	20° 4	11° 3	21°15	16°29	10°22	12° 5	18° 3	20°52
M10	17 13 53	19° 6'40	3♁21	26°28	28° 4	19°53	26° 8	20° 0	11° 2	21°17	16°29	10°20	12° 2	18°10	20°53
T 11	17 17 50	20° 3'58	16° 2	27°47	29°17	20°31	26°11	19°56	11° 2	21°19	16°29	10°D20	11°59	18°16	20°54
W12	17 21 46	21° 1'15	28°59	29° 9	0II30	21° 9	26°15	19°53	11° 1	21°21	16°30	10°20	11°56	18°23	20°55
T 13	17 25 43	21°58'32	12♃13	0II34	1°43	21°47	26°18	19°49	11° 1	21°23	16°30	10°22	11°52	18°30	20°55
F 14	17 29 39	22°55'47	25°48	2° 3	2°55	22°24	26°22	19°46	11° 1	21°25	16°31	10°R22	11°49	18°36	20°56
S 15	17 33 36	23°53'02	9♁46	3°34	4° 8	23° 2	26°26	19°43	11° 1	21°27	16°31	10°21	11°46	18°43	20°56
S 16	17 37 33	24°50'16	24° 6	5° 9	5°21	23°40	26°30	19°39	11° 0	21°29	16°32	10°18	11°43	18°50	20°57
M17	17 41 29	25°47'30	8♃45	6°46	6°34	24°18	26°34	19°36	11° 0	21°31	16°33	10°13	11°40	18°57	20°57
T 18	17 45 26	26°44'42	23°40	8°27	7°47	24°55	26°39	19°33	11°D 0	21°33	16°33	10° 7	11°37	19° 3	20°58
W19	17 49 22	27°41'54	8♂41	10°10	9° 0	25°33	26°43	19°30	11° 0	21°35	16°34	10° 1	11°33	19°10	20°58
T 20	17 53 19	28°39'06	23°40	11°57	10°13	26°11	26°48	19°27	11° 0	21°37	16°35	9°55	11°30	19°17	20°58
F 21	17 57 15	29°36'18	8♂29	13°46	11°26	26°48	26°53	19°24	11° 0	21°39	16°36	9°51	11°27	19°23	20°58
S 22	18 1 12	0♁33'29	22°58	15°38	12°39	27°26	26°58	19°21	11° 1	21°40	16°36	9°48	11°24	19°30	20°58
S 23	18 5 9	1°30'40	7♁ 4	17°33	13°52	28° 4	27° 3	19°19	11° 1	21°42	16°37	9°D47	11°21	19°37	20°58
M24	18 9 5	2°27'51	20°43	19°30	15° 5	28°42	27° 9	19°16	11° 1	21°44	16°38	9°47	11°18	19°44	20°R58
T 25	18 13 2	3°25'02	3♃55	21°29	16°18	29°19	27°14	19°13	11° 1	21°46	16°39	9°48	11°14	19°50	20°58
W26	18 16 58	4°22'12	16°44	23°31	17°31	29°57	27°20	19°11	11° 2	21°48	16°40	9°50	11°11	19°57	20°58
T 27	18 20 55	5°19'24	29°13	25°34	18°44	0♁35	27°26	19° 8	11° 2	21°49	16°41	9°51	11° 8	20° 4	20°58
F 28	18 24 51	6°16'35	11V25	27°40	19°58	1°13	27°31	19° 6	11° 3	21°51	16°42	9°R51	11° 5	20°11	20°58
S 29	18 28 48	7°13'46	23°26	29°47	21°11	1°50	27°38	19° 4	11° 3	21°53	16°43	9°50	11° 2	20°17	20°58
S 30	18 32 44	8♁10'58	5♂21	1♁55	22II24	2♁28	27♃44	19♃ 2	11♁ 4	21♂55	16♃44	9♁47	10♁58	20♂24	20♃57

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	22n 3	1n41	4s32	13n23	3s44	15n38	1s24	23n57	1n15	2n59	1n25	15s38	2n22	3s47	0n41	16n23	1s42	19n22	15n16	17n22	17n 5	12n 3	0n26	4n28
S 2	22 11	5 46	4 54	13 39	3 41	16 0	1 22	23 53	1 14	2 58	1 24	15 38	2 22	3 47	0 41	16 23	1 42	19 22	15 16	17 24	17 5	12 5	0 26	4 28
M 3	22 19	9 37	5 4	13 57	3 37	16 21	1 21	23 48	1 14	2 57	1 24	15 37	2 22	3 47	0 41	16 24	1 42	19 21	15 15	17 26	17 6	12 7	0 27	4 28
T 4	22 26	13 5	5 0	14 16	3 33	16 42	1 19	23 44	1 14	2 56	1 24	15 36	2 21	3 46	0 41	16 24	1 42	19 21	15 15	17 29	17 7	12 9	0 28	4 28
W 5	22 33	16 3	4 43	14 37	3 28	17 3	1 17	23 39	1 14	2 55	1 24	15 35	2 21	3 46	0 41	16 25	1 42	19 20	15 15	17 32	17 8	12 11	0 28	4 29
T 6	22 40	18 21	4 14	14 58	3 22	17 23	1 15	23 34	1 14	2 54	1 23	15 34	2 21	3 46	0 41	16 26	1 42	19 20	15 14	17 35	17 9	12 13	0 29	4 29
F 7	22 46	19 53	3 33	15 21	3 15	17 43	1 14	23 29	1 14	2 52	1 23	15 33	2 21	3 46	0 41	16 26	1 42	19 19	15 14	17 37	17 10	12 15	0 29	4 29
S 8	22 51	20 30	2 42	15 45	3 8	18 2	1 12	23 24	1 14	2 51	1 23	15 32	2 21	3 45	0 41	16 27	1 42	19 19	15 13	17 39	17 11	12 17	0 30	4 29
S 9	22 57	20 10	1 43	16 10	3 1	18 21	1 10	23 19	1 14	2 50	1 23	15 31	2 21	3 45	0 40	16 27	1 42	19 18	15 13	17 40	17 12	12 19	0 30	4 29
M10	23 2	18 50	0 37	16 36	2 52	18 39	1 8	23 13	1 14	2 48	1 22	15 31	2 20	3 45	0 40	16 28	1 42	19 18	15 12	17 41	17 13	12 21	0 31	4 30
T 11	23 6	16 32	0n31	17 2	2 44	18 57	1 6	23 8	1 14	2 47	1 22	15 30	2 20	3 45	0 40	16 28	1 42	19 17	15 12	17 41	17 13	12 23	0 31	4 30
W12	23 10	13 23	1 39	17 29	2 35	19 15	1 4	23 2	1 14	2 45	1 22	15 29	2 20	3 45	0 40	16 29	1 42	19 17	15 12	17 40	17 14	12 24	0 32	4 30
T 13	23 14	9 30	2 43	17 56	2 25	19 32	1 2	22 56	1 14	2 43	1 22	15 28	2 20	3 45	0 40	16 29	1 43	19 16	15 11	17 40	17 15	12 26	0 32	4 30
F 14	23 17	5 2	3 40	18 24	2 15	19 48	1 0	22 50	1 14	2 42	1 21	15 28	2 20	3 45	0 40	16 30	1 43	19 15	15 11	17 40	17 16	12 28	0 33	4 30
S 15	23 20	0 12	4 26	18 52	2 4	20 4	0 57	22 43	1 14	2 40	1 21	15 27	2 20	3 45	0 40	16 30	1 43	19 15	15 10	17 40	17 17	12 30	0 33	4 31
S 16	23 22	4s46	4 56	19 19	1 54	20 19	0 55	22 37	1 14	2 38	1 21	15 26	2 19	3 45	0 40	16 31	1 43	19 14	15 10	17 41	17 18	12 32	0 33	4 31
M17	23 24	9 34	5 8	19 47	1 43	20 34	0 53	22 30	1 14	2 36	1 21	15 26	2 19	3 45	0 40	16 31	1 43	19 14	15 10	17 42	17 19	12 34	0 34	4 31
T 18	23 26	13 52	5 0	20 14	1 31	20 48	0 51	22 23	1 14	2 34	1 21	15 25	2 19	3 45	0 40	16 31	1 43	19 13	15 9	17 44	17 20	12 36	0 34	4 31
W19	23 27	17 19	4 31	20 41	1 20	21 2	0 48	22 16	1 14	2 32	1 20	15 24	2 19	3 45	0 40	16 32	1 43	19 12	15 9	17 46	17 20	12 38	0 34	4 31
T 20	23 28	19 36	3 44	21 8	1 8	21 15	0 46	22 9	1 14	2 30	1 20	15 24	2 19	3 45	0 40	16 32	1 43	19 12	15 8	17 47	17 21	12 40	0 34	4 32
F 21	23 28	20 31	2 42	21 33	0 57	21 28	0 44	22 2	1 14	2 28	1 20	15 23	2 18	3 45	0 40	16 33	1 43	19 11	15 8	17 48	17 22	12 42	0 35	4 32
S 22	23 28	20 2	1 30	21 57	0 45	21 40	0 41	21 54	1 14	2 25	1 20	15 23	2 18	3 45	0 40	16 33	1 43	19 10	15 7	17 49	17 23	12 43	0 35	4 32
S 23	23 28	18 18	0 15	22 21	0 33	21 51	0 39	21 47	1 13	2 23	1 19	15 22	2 18	3 45	0 40	16 34	1 43	19 10	15 7	17 50	17 24	12 45	0 35	4 32
M24	23 27	15 33	0s59	22 42	0 21	22 2	0 37	21 39	1 13	2 21	1 19	15 21	2 18	3 45	0 40	16 34	1 43	19 9	15 7	17 49	17 25	12 47	0 35	4 32
T 25	23 26	12 4	2 8	23 2	0 10	22 12	0 34	21 31	1 13	2 18	1 19	15 21	2 18	3 45	0 40	16 35	1 43	19 8	15 6	17 49	17 26	12 49	0 36	4 32
W26	23 24	8 7	3 8	23 20	0n 2	22 21	0 32	21 23	1 13	2 16	1 19	15 21	2 17	3 46	0 40	16 35	1 43	19 7	15 6	17 49	17 27	12 51	0 36	4 33
T 27	23 22	3 56	3 57	23 37	0 13	22 30	0 29	21 15	1 13	2 13	1 18	15 20	2 17	3 46	0 40	16 35	1 43	19 7	15 5	17 48	17 28	12 53	0 36	4 33
F 28	23 19	0n19	4 35	23 50	0 23	22 39	0 27	21 6	1 13	2 11	1 18	15 20	2 17	3 46	0 40	16 36	1 43	19 6	15 5	17 48	17 28	12 55	0 36	4 33
S 29	23 17	4 29	4 59	24 2	0 34	22 46	0 2																	

SWISS EPHEMERIS for the year 1720

JULY 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	18 36 41	9 <sup>56</sup> 8'10	17 <sup>18</sup> 13	4 <sup>56</sup> 4	23 <sup>11</sup> 37	3 <sup>56</sup> 6	27 <sup>17</sup> 50	19 <sup>0</sup> R 0	11 <sup>56</sup> 4	21 <sup>56</sup> 56	16 <sup>17</sup> 45	9 <sup>0</sup> R 43	10 <sup>56</sup> 55	20 <sup>56</sup> 31	20 <sup>0</sup> R 57
T 2	18 40 37	10 <sup>0</sup> 5'22	29 <sup>0</sup> 6	6 <sup>14</sup> 4	24 <sup>50</sup> 0	3 <sup>44</sup> 4	27 <sup>57</sup> 0	18 <sup>11</sup> 58	11 <sup>0</sup> 5	21 <sup>58</sup> 0	16 <sup>46</sup> 0	9 <sup>0</sup> R 39	10 <sup>52</sup> 0	20 <sup>57</sup> 0	20 <sup>56</sup> 57
W 3	18 44 34	11 <sup>0</sup> 2'34	11 <sup>11</sup> 3	8 <sup>24</sup> 6	26 <sup>0</sup> 4	4 <sup>21</sup> 2	28 <sup>0</sup> 3	18 <sup>56</sup> 8	11 <sup>0</sup> 6	22 <sup>0</sup> 0	16 <sup>47</sup> 0	9 <sup>34</sup> 0	10 <sup>49</sup> 0	20 <sup>54</sup> 0	20 <sup>56</sup> 0
T 4	18 48 31	11 <sup>0</sup> 5'47	23 <sup>0</sup> 7	10 <sup>34</sup> 2	27 <sup>17</sup> 0	4 <sup>59</sup> 2	28 <sup>10</sup> 0	18 <sup>54</sup> 0	11 <sup>0</sup> 7	22 <sup>0</sup> 1	16 <sup>48</sup> 0	9 <sup>29</sup> 0	10 <sup>46</sup> 0	20 <sup>51</sup> 0	20 <sup>56</sup> 0
F 5	18 52 27	12 <sup>0</sup> 5'00	5 <sup>56</sup> 20	12 <sup>43</sup> 0	28 <sup>30</sup> 0	5 <sup>37</sup> 2	28 <sup>17</sup> 0	18 <sup>52</sup> 0	11 <sup>0</sup> 7	22 <sup>0</sup> 3	16 <sup>49</sup> 0	9 <sup>25</sup> 0	10 <sup>43</sup> 0	20 <sup>58</sup> 0	20 <sup>55</sup> 0
S 6	18 56 24	13 <sup>0</sup> 5'41	17 <sup>0</sup> 42	14 <sup>53</sup> 0	29 <sup>44</sup> 0	6 <sup>15</sup> 2	28 <sup>24</sup> 0	18 <sup>51</sup> 0	11 <sup>0</sup> 8	22 <sup>0</sup> 4	16 <sup>50</sup> 0	9 <sup>22</sup> 0	10 <sup>39</sup> 0	21 <sup>0</sup> 4	20 <sup>54</sup> 0
S 7	19 0 20	14 <sup>0</sup> 5'12	0 <sup>56</sup> 16	17 <sup>0</sup> 2	0 <sup>56</sup> 57	6 <sup>52</sup> 2	28 <sup>31</sup> 0	18 <sup>49</sup> 0	11 <sup>0</sup> 9	22 <sup>0</sup> 6	16 <sup>52</sup> 0	9 <sup>21</sup> 0	10 <sup>36</sup> 0	21 <sup>0</sup> 11	20 <sup>54</sup> 0
M 8	19 4 17	15 <sup>0</sup> 4'48	13 <sup>0</sup> 2	19 <sup>0</sup> 9	2 <sup>10</sup> 0	7 <sup>30</sup> 2	28 <sup>38</sup> 0	18 <sup>47</sup> 0	11 <sup>0</sup> 10	22 <sup>0</sup> 7	16 <sup>53</sup> 0	9 <sup>0</sup> D 21	10 <sup>33</sup> 0	21 <sup>0</sup> 18	20 <sup>53</sup> 0
T 9	19 8 13	16 <sup>0</sup> 4'53	26 <sup>0</sup> 0	21 <sup>0</sup> 16	3 <sup>24</sup> 8	8 <sup>0</sup> 8	28 <sup>46</sup> 0	18 <sup>46</sup> 0	11 <sup>0</sup> 11	22 <sup>0</sup> 9	16 <sup>54</sup> 0	9 <sup>21</sup> 0	10 <sup>30</sup> 0	21 <sup>0</sup> 24	20 <sup>52</sup> 0
W 10	19 12 10	17 <sup>0</sup> 4'37	9 <sup>17</sup> 12	23 <sup>0</sup> 21	4 <sup>37</sup> 8	8 <sup>46</sup> 2	28 <sup>53</sup> 0	18 <sup>45</sup> 0	11 <sup>0</sup> 12	22 <sup>0</sup> 10	16 <sup>55</sup> 0	9 <sup>23</sup> 0	10 <sup>27</sup> 0	21 <sup>0</sup> 31	20 <sup>51</sup> 0
T 11	19 16 7	18 <sup>0</sup> 4'02	22 <sup>0</sup> 39	25 <sup>0</sup> 26	5 <sup>51</sup> 9	9 <sup>24</sup> 2	29 <sup>0</sup> 1	18 <sup>44</sup> 0	11 <sup>0</sup> 14	22 <sup>0</sup> 12	16 <sup>57</sup> 0	9 <sup>24</sup> 0	10 <sup>24</sup> 0	21 <sup>0</sup> 38	20 <sup>50</sup> 0
F 12	19 20 3	19 <sup>0</sup> 3'35	6 <sup>52</sup> 20	27 <sup>0</sup> 28	7 <sup>0</sup> 4	10 <sup>0</sup> 1	29 <sup>0</sup> 9	18 <sup>43</sup> 0	11 <sup>0</sup> 15	22 <sup>0</sup> 13	16 <sup>58</sup> 0	9 <sup>25</sup> 0	10 <sup>20</sup> 0	21 <sup>0</sup> 45	20 <sup>49</sup> 0
S 13	19 24 0	20 <sup>0</sup> 3'48	20 <sup>0</sup> 17	29 <sup>0</sup> 29	8 <sup>17</sup> 2	10 <sup>39</sup> 2	29 <sup>0</sup> 17	18 <sup>42</sup> 0	11 <sup>0</sup> 16	22 <sup>0</sup> 14	16 <sup>59</sup> 0	9 <sup>0</sup> R 25	10 <sup>17</sup> 0	21 <sup>0</sup> 51	20 <sup>48</sup> 0
S 14	19 27 56	21 <sup>0</sup> 3'20	4 <sup>11</sup> 28	1 <sup>56</sup> 28	9 <sup>31</sup> 0	11 <sup>17</sup> 2	29 <sup>0</sup> 25	18 <sup>41</sup> 0	11 <sup>0</sup> 17	22 <sup>0</sup> 16	17 <sup>0</sup> 1	9 <sup>25</sup> 0	10 <sup>14</sup> 0	21 <sup>0</sup> 58	20 <sup>47</sup> 0
M 15	19 31 53	22 <sup>0</sup> 2'17	18 <sup>0</sup> 51	3 <sup>26</sup> 6	10 <sup>44</sup> 0	11 <sup>55</sup> 2	29 <sup>0</sup> 33	18 <sup>40</sup> 0	11 <sup>0</sup> 19	22 <sup>0</sup> 17	17 <sup>0</sup> 2	9 <sup>24</sup> 0	10 <sup>11</sup> 0	22 <sup>0</sup> 5	20 <sup>46</sup> 0
T 16	19 35 49	23 <sup>0</sup> 2'6	3 <sup>57</sup> 24	5 <sup>22</sup> 0	11 <sup>58</sup> 2	12 <sup>33</sup> 2	29 <sup>0</sup> 41	18 <sup>39</sup> 0	11 <sup>0</sup> 20	22 <sup>0</sup> 18	17 <sup>0</sup> 4	9 <sup>22</sup> 0	10 <sup>0</sup> 8	22 <sup>0</sup> 12	20 <sup>45</sup> 0
W 17	19 39 46	24 <sup>0</sup> 2'34	18 <sup>0</sup> 0	7 <sup>16</sup> 0	13 <sup>12</sup> 0	13 <sup>10</sup> 2	29 <sup>0</sup> 49	18 <sup>39</sup> 0	11 <sup>0</sup> 22	22 <sup>0</sup> 20	17 <sup>0</sup> 5	9 <sup>20</sup> 0	10 <sup>0</sup> 4	22 <sup>0</sup> 18	20 <sup>44</sup> 0
T 18	19 43 42	25 <sup>0</sup> 2'10	2 <sup>56</sup> 35	9 <sup>0</sup> 9	14 <sup>25</sup> 0	13 <sup>48</sup> 2	29 <sup>0</sup> 58	18 <sup>38</sup> 0	11 <sup>0</sup> 23	22 <sup>0</sup> 21	17 <sup>0</sup> 7	9 <sup>19</sup> 0	10 <sup>0</sup> 1	22 <sup>0</sup> 25	20 <sup>42</sup> 0
F 19	19 47 39	26 <sup>0</sup> 1'16	17 <sup>0</sup> 2	11 <sup>0</sup> 0	15 <sup>39</sup> 0	14 <sup>26</sup> 2	0 <sup>56</sup> 6	18 <sup>38</sup> 0	11 <sup>0</sup> 25	22 <sup>0</sup> 22	17 <sup>0</sup> 8	9 <sup>17</sup> 0	9 <sup>58</sup> 0	22 <sup>0</sup> 32	20 <sup>41</sup> 0
S 20	19 51 36	27 <sup>0</sup> 1'53	1 <sup>56</sup> 15	12 <sup>49</sup> 0	16 <sup>52</sup> 2	15 <sup>0</sup> 4	0 <sup>15</sup> 0	18 <sup>37</sup> 0	11 <sup>0</sup> 26	22 <sup>0</sup> 23	17 <sup>0</sup> 10	9 <sup>17</sup> 0	9 <sup>55</sup> 0	22 <sup>0</sup> 38	20 <sup>40</sup> 0
S 21	19 55 32	28 <sup>0</sup> 1'24	15 <sup>0</sup> 10	14 <sup>36</sup> 0	18 <sup>0</sup> 6	15 <sup>42</sup> 2	0 <sup>24</sup> 0	18 <sup>37</sup> 0	11 <sup>0</sup> 28	22 <sup>0</sup> 25	17 <sup>0</sup> 11	9 <sup>0</sup> D 17	9 <sup>52</sup> 0	22 <sup>0</sup> 45	20 <sup>38</sup> 0
M 22	19 59 29	29 <sup>0</sup> 1'07	28 <sup>0</sup> 43	16 <sup>0</sup> 21	19 <sup>0</sup> 20	16 <sup>20</sup> 2	0 <sup>33</sup> 0	18 <sup>37</sup> 0	11 <sup>0</sup> 30	22 <sup>0</sup> 26	17 <sup>0</sup> 13	9 <sup>17</sup> 0	9 <sup>49</sup> 0	22 <sup>0</sup> 52	20 <sup>37</sup> 0
T 23	20 3 25	0 <sup>56</sup> 7'25	11 <sup>56</sup> 5	18 <sup>0</sup> 5	20 <sup>33</sup> 2	16 <sup>57</sup> 2	0 <sup>42</sup> 0	18 <sup>0</sup> D 37	11 <sup>0</sup> 31	22 <sup>0</sup> 27	17 <sup>0</sup> 14	9 <sup>18</sup> 0	9 <sup>45</sup> 0	22 <sup>0</sup> 59	20 <sup>35</sup> 0
W 24	20 7 22	1 <sup>0</sup> 4'44	24 <sup>0</sup> 45	19 <sup>0</sup> 47	21 <sup>47</sup> 2	17 <sup>35</sup> 2	0 <sup>51</sup> 0	18 <sup>37</sup> 0	11 <sup>0</sup> 33	22 <sup>0</sup> 28	17 <sup>0</sup> 16	9 <sup>19</sup> 0	9 <sup>42</sup> 0	23 <sup>0</sup> 5	20 <sup>34</sup> 0
T 25	20 11 18	2 <sup>0</sup> 2'04	7 <sup>56</sup> 16	21 <sup>0</sup> 27	23 <sup>0</sup> 1	18 <sup>0</sup> 13	1 <sup>0</sup> 0	18 <sup>37</sup> 0	11 <sup>0</sup> 35	22 <sup>0</sup> 29	17 <sup>0</sup> 18	9 <sup>19</sup> 0	9 <sup>39</sup> 0	23 <sup>0</sup> 12	20 <sup>32</sup> 0
F 26	20 15 15	2 <sup>0</sup> 5'25	19 <sup>0</sup> 31	23 <sup>0</sup> 6	24 <sup>15</sup> 2	18 <sup>51</sup> 2	1 <sup>0</sup> 10	18 <sup>37</sup> 0	11 <sup>0</sup> 37	22 <sup>0</sup> 30	17 <sup>0</sup> 19	9 <sup>20</sup> 0	9 <sup>36</sup> 0	23 <sup>0</sup> 19	20 <sup>31</sup> 0
S 27	20 19 11	3 <sup>0</sup> 5'6	1 <sup>56</sup> 34	24 <sup>0</sup> 43	25 <sup>0</sup> 28	19 <sup>0</sup> 29	1 <sup>0</sup> 19	18 <sup>38</sup> 0	11 <sup>0</sup> 39	22 <sup>0</sup> 31	17 <sup>0</sup> 21	9 <sup>0</sup> R 20	9 <sup>33</sup> 0	23 <sup>0</sup> 25	20 <sup>29</sup> 0
S 28	20 23 8	4 <sup>0</sup> 5'41	13 <sup>0</sup> 30	26 <sup>0</sup> 18	26 <sup>42</sup> 2	20 <sup>0</sup> 7	1 <sup>0</sup> 28	18 <sup>38</sup> 0	11 <sup>0</sup> 41	22 <sup>0</sup> 32	17 <sup>0</sup> 23	9 <sup>20</sup> 0	9 <sup>30</sup> 0	23 <sup>0</sup> 32	20 <sup>27</sup> 0
M 29	20 27 5	5 <sup>0</sup> 5'13	25 <sup>0</sup> 23	27 <sup>0</sup> 51	27 <sup>56</sup> 2	20 <sup>45</sup> 2	1 <sup>0</sup> 38	18 <sup>39</sup> 0	11 <sup>0</sup> 43	22 <sup>0</sup> 33	17 <sup>0</sup> 25	9 <sup>20</sup> 0	9 <sup>26</sup> 0	23 <sup>0</sup> 39	20 <sup>25</sup> 0
T 30	20 31 1	6 <sup>0</sup> 4'02	7 <sup>11</sup> 17	29 <sup>0</sup> 23	29 <sup>0</sup> 10	21 <sup>23</sup> 2	1 <sup>0</sup> 48	18 <sup>39</sup> 0	11 <sup>0</sup> 45	22 <sup>0</sup> 34	17 <sup>0</sup> 26	9 <sup>20</sup> 0	9 <sup>23</sup> 0	23 <sup>0</sup> 46	20 <sup>24</sup> 0
W 31	20 34 58	7 <sup>0</sup> 4'6	19 <sup>11</sup> 17	0 <sup>17</sup> 53	0 <sup>56</sup> 24	22 <sup>0</sup> 1	1 <sup>0</sup> 58	18 <sup>40</sup> 0	11 <sup>0</sup> 47	22 <sup>0</sup> 35	17 <sup>0</sup> 28	9 <sup>0</sup> R 19	9 <sup>0</sup> R 20	23 <sup>0</sup> 52	20 <sup>22</sup> 0

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23n 9	12n 3	5s 9	24n17	0n53	23n 0	0s20	20n40	1n13	2n 3	1n18	15s19	2n16	3s47	0n40	16n37	1s43	19n 4	15n 4	17n50	17n31	13n 0	0n36	4n34
T 2	23 5 15	12 4	5 4	24 21	1 1	23 5	0 17	20 31	1 13	2 0	1 17	15 18	2 16	3 47	0 40	16 37	1 43	19 3	15 4	17 52	17 32	13 2	0 36	4 34
W 3	23 1 17	14 4	4 27	24 22	1 9	23 10	0 15	20 22	1 12	1 57	1 17	15 18	2 16	3 47	0 40	16 38	1 43	19 2	15 3	17 53	17 33	13 4	0 36	4 34
T 4	22 56	19 31	3 47	24 20	1 17	23 15	0 12	20 13	1 12	1 54	1 17	15 18	2 15	3 48	0 39	16 38	1 43	19 1	15 3	17 54	17 34	13 6	0 36	4 34
F 5	22 51	20 26	2 56	24 15	1 23	23 18	0 10	20 4	1 12	1 51	1 17	15 17	2 15	3 48	0 39	16 39	1 43	19 1	15 2	17 55	17 34	13 8	0 36	4 34
S 6	22 45	20 23	1 56	24 7	1 29	23 21	0 7	19 54	1 12	1 48	1 17	15 17	2 15	3 49	0 39	16 39	1 43	19 0	15 2	17 56	17 35	13 10	0 36	4 35
S 7	22 39	19 19	0 50	23 57	1 34	23 24	0 5	19 45	1 12	1 45	1 16	15 17	2 15	3 49	0 39	16 39	1 43	18 59	15 2	17 56	17 36	13 12	0 36	4 35
M 8	22 32	17 15	0n20	23 44	1 39	23 25	0 2	19 35	1 12	1 42	1 16	15 17	2 15	3 49	0 39	16 40	1 43	18 58	15 1	17 57	17 37	13 14	0 36	4 35
T 9	22 25	14 17	1 30	23 28	1 42	23 26	0n 0	19 25	1 12	1 39	1 16	15 17	2 14	3 50	0 39	16 40	1 43	18 57	15 1	17 56	17 38	13 16	0 35	4 35
W 10	22 18	10 33	2 37	23 11	1 45	23 26	0 3	19 15	1 12	1 36	1 16	15 17	2 14	3 50	0 39	16 40	1 43	18 57	15 1	17 56	17 39	13 17	0 35	4 35
T 11	22 10	6 14	3 36	22 51	1 47	23 26	0 5	19 5	1 12	1 33	1 16	15 17	2 14	3 51	0 39	16 41	1 44	18 56	15 0	17 56	17 40	13 19	0 35	4 35
F 12	22 2	1 32	4 24	22 28	1 49	23 25	0 8	18 54	1 11	1 30	1 15	15 16	2 14	3 51	0 39	16 41	1 44	18 55	15 0	17 55	17 40	13 21	0 35	4 36
S 13	21 54	3s20	4 58	22 4	1 49	23 23	0 10	18 44	1 11	1 26	1 15	15 16	2 13	3 52	0 39	16 41	1 44	18 54	15 0	17 55	17 41	13 23	0 35	4 36
S 14	21 45	8 5	5 14	21 38	1 49	23 20	0 13	18 33	1 11	1 23	1 15	15 16	2 13	3 52	0 39	16 41	1 44	18 53	14 59	17 55	17 42	13 25	0 34	4 36
M 15	21 36	12 28	5 11	21 11	1 49	23 17	0 15	18 23	1 11	1 19	1 15	15 16	2 13	3 53	0 39	16 42	1 44	18 52	14 59	17 56	17 43	13 27	0 34	4 36
T 16	21 26	16 9	4 48	20 41	1 48	23 13	0 17	18 12	1 11															

# SWISS EPHEMERIS for the year 1720

AUGUST 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	20 38 54	8Ω43'57	1♁27	2♁21	1♁38	22♁39	2♁ 7	18♁41	11♁49	22♁35	17♁30	9°R19	9Ω17	23♁59	20°R20
F 2	20 42 51	9°41'26	13°48	3°47	2°52	23°17	2°17	18°42	11°51	22°36	17°32	9°D19	9°14	24° 6	20°R18
S 3	20 46 47	10°38'57	26°24	5°12	4° 6	23°55	2°27	18°43	11°53	22°37	17°33	9°R19	9°10	24°12	20°16
S 4	20 50 44	11°36'28	9Ω15	6°35	5°19	24°32	2°38	18°44	11°56	22°38	17°35	9°R19	9° 7	24°19	20°14
M 5	20 54 40	12°34'01	22°23	7°56	6°33	25°10	2°48	18°45	11°58	22°38	17°37	9°19	9° 4	24°26	20°12
T 6	20 58 37	13°31'35	5♁45	9°15	7°48	25°48	2°58	18°47	12° 0	22°39	17°39	9°19	9° 1	24°33	20°10
W 7	21 2 34	14°29'09	19°21	10°32	9° 2	26°27	3° 9	18°48	12° 3	22°40	17°41	9°19	8°58	24°39	20° 7
T 8	21 6 30	15°26'45	3♁ 9	11°47	10°16	27° 5	3°19	18°50	12° 5	22°40	17°43	9°18	8°55	24°46	20° 5
F 9	21 10 27	16°24'22	17° 8	13° 0	11°30	27°43	3°30	18°51	12° 8	22°41	17°45	9°17	8°51	24°53	20° 3
S 10	21 14 23	17°21'59	1♁14	14°11	12°44	28°21	3°40	18°53	12°10	22°41	17°47	9°17	8°48	25° 0	20° 1
S 11	21 18 20	18°19'38	15°26	15°20	13°58	28°59	3°51	18°55	12°13	22°42	17°49	9°D16	8°45	25° 6	19°59
M12	21 22 16	19°17'17	29°40	16°27	15°12	29°37	4° 2	18°57	12°15	22°42	17°51	9°16	8°42	25°13	19°56
T 13	21 26 13	20°14'58	13♁55	17°31	16°26	0♁15	4°13	18°59	12°18	22°43	17°53	9°17	8°39	25°20	19°54
W14	21 30 9	21°12'40	28° 7	18°33	17°40	0°53	4°24	19° 1	12°21	22°43	17°55	9°18	8°36	25°26	19°51
T 15	21 34 6	22°10'23	12♁14	19°32	18°55	1°31	4°35	19° 3	12°23	22°44	17°57	9°19	8°32	25°33	19°49
F 16	21 38 3	23° 8'07	26°14	20°28	20° 9	2° 9	4°46	19° 5	12°26	22°44	17°59	9°20	8°29	25°40	19°47
S 17	21 41 59	24° 5'52	10♁ 2	21°21	21°23	2°47	4°57	19° 7	12°29	22°44	18° 1	9°R20	8°26	25°47	19°44
S 18	21 45 56	25° 3'39	23°37	22°12	22°37	3°25	5° 8	19°10	12°32	22°45	18° 3	9°20	8°23	25°53	19°42
M19	21 49 52	26° 1'26	6♁56	22°59	23°52	4° 4	5°20	19°12	12°35	22°45	18° 5	9°18	8°20	26° 0	19°39
T 20	21 53 49	26°59'16	19°58	23°42	25° 6	4°42	5°31	19°15	12°38	22°45	18° 7	9°16	8°16	26° 7	19°37
W21	21 57 45	27°57'07	2♁43	24°23	26°20	5°20	5°42	19°18	12°40	22°45	18° 9	9°14	8°13	26°13	19°34
T 22	22 1 42	28°55'00	15°11	24°59	27°35	5°58	5°54	19°21	12°43	22°45	18°11	9°11	8°10	26°20	19°31
F 23	22 5 38	29°52'54	27°26	25°31	28°49	6°36	6° 5	19°23	12°46	22°46	18°13	9° 8	8° 7	26°27	19°29
S 24	22 9 35	0♁50'50	9♁29	25°59	0♁ 3	7°15	6°17	19°26	12°49	22°46	18°15	9° 6	8° 4	26°34	19°26
S 25	22 13 31	1°48'49	21°25	26°22	1°18	7°53	6°29	19°29	12°52	22°46	18°17	9° 4	8° 1	26°40	19°23
M26	22 17 28	2°46'49	3♁18	26°40	2°32	8°31	6°40	19°33	12°56	22°R46	18°20	9°D 4	7°57	26°47	19°21
T 27	22 21 25	3°44'51	15°12	26°53	3°46	9° 9	6°52	19°36	12°59	22°46	18°22	9° 4	7°54	26°54	19°18
W28	22 25 21	4°42'54	27°12	27° 1	5° 1	9°48	7° 4	19°39	13° 2	22°46	18°24	9° 5	7°51	27° 0	19°15
T 29	22 29 18	5°41'00	9♁24	27°R 3	6°15	10°26	7°16	19°43	13° 5	22°46	18°26	9° 7	7°48	27° 7	19°13
F 30	22 33 14	6°39'08	21°50	26°59	7°30	11° 4	7°28	19°46	13° 8	22°45	18°28	9° 9	7°45	27°14	19°10
S 31	22 37 11	7♁37'18	4♁35	26♁49	8♁44	11♁43	7♁40	19♁50	13♁11	22♁45	18♁30	9°R10	7♁41	27♁21	19♁ 7

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	18n 6	20n13	3s15	10n58	0n20	20n40	0n52	15n 4	1n 8	0n15	1n12	15s21	2n 8	4s 5	0n38	16n46	1s45	18n37	14n54	17n57	17n58	13n58	0n26	4n39
F 2	17 51	20 29	2 17	10 19	0 12	20 25	0 54	14 51	1 8	0 11	1 12	15 21	2 8	4 6	0 38	16 46	1 45	18 36	14 54	17 57	17 58	14 0	0 25	4 39
S 3	17 35	19 44	1 11	9 40	0 3	20 10	0 56	14 38	1 8	0 7	1 12	15 22	2 8	4 7	0 38	16 46	1 45	18 35	14 54	17 57	17 59	14 2	0 25	4 39
S 4	17 20	17 58	0 0	9 1	0s 6	19 53	0 57	14 25	1 8	0 3	1 11	15 23	2 8	4 8	0 38	16 46	1 45	18 34	14 53	17 57	18 0	14 4	0 24	4 39
M 5	17 4	15 12	1n12	8 22	0 15	19 37	0 59	14 13	1 8	0s 1	1 11	15 23	2 7	4 9	0 38	16 46	1 45	18 33	14 53	17 57	18 1	14 5	0 23	4 39
T 6	16 47	11 36	2 21	7 44	0 25	19 19	1 1	14 0	1 7	0 6	1 11	15 24	2 7	4 10	0 38	16 46	1 45	18 32	14 53	17 57	18 2	14 7	0 22	4 39
W 7	16 31	7 21	3 24	7 6	0 34	19 2	1 2	13 46	1 7	0 10	1 11	15 24	2 7	4 11	0 38	16 46	1 45	18 31	14 53	17 57	18 3	14 9	0 22	4 39
T 8	16 14	2 39	4 16	6 28	0 44	18 43	1 4	13 33	1 7	0 14	1 11	15 25	2 7	4 12	0 38	16 46	1 45	18 30	14 53	17 57	18 3	14 11	0 21	4 39
F 9	15 57	2s13	4 53	5 51	0 54	18 24	1 5	13 20	1 7	0 19	1 11	15 26	2 6	4 13	0 38	16 47	1 45	18 29	14 52	17 57	18 4	14 13	0 20	4 39
S 10	15 39	7 1	5 13	5 15	1 4	18 5	1 7	13 6	1 7	0 23	1 11	15 26	2 6	4 14	0 38	16 47	1 45	18 29	14 52	17 58	18 5	14 15	0 19	4 39
S 11	15 21	11 28	5 15	4 39	1 14	17 45	1 8	12 53	1 6	0 27	1 10	15 27	2 6	4 15	0 38	16 47	1 45	18 28	14 52	17 58	18 6	14 16	0 19	4 40
M12	15 4	15 16	4 57	4 4	1 24	17 25	1 10	12 39	1 6	0 32	1 10	15 28	2 6	4 16	0 38	16 47	1 45	18 27	14 52	17 58	18 7	14 18	0 18	4 40
T 13	14 45	18 11	4 21	3 29	1 35	17 4	1 11	12 26	1 6	0 36	1 10	15 29	2 5	4 17	0 38	16 47	1 45	18 26	14 52	17 57	18 8	14 20	0 17	4 40
W14	14 27	19 59	3 29	2 56	1 45	16 42	1 12	12 12	1 6	0 41	1 10	15 30	2 5	4 18	0 38	16 47	1 45	18 25	14 52	17 57	18 8	14 22	0 16	4 40
T 15	14 8	20 31	2 24	2 23	1 55	16 20	1 13	11 58	1 6	0 45	1 10	15 30	2 5	4 19	0 38	16 47	1 45	18 24	14 51	17 57	18 9	14 24	0 15	4 40
F 16	13 50	19 46	1 12	1 51	2 6	15 58	1 15	11 44	1 5	0 50	1 10	15 31	2 5	4 20	0 38	16 47	1 45	18 23	14 51	17 57	18 10	14 25	0 14	4 40
S 17	13 30	17 49	0s 4	1 21	2 16	15 35	1 16	11 30	1 5	0 54	1 10	15 32	2 4	4 22	0 38	16 47	1 45	18 22	14 51	17 57	18 11	14 27	0 13	4 40
S 18	13 11	14 54	1 18	0 52	2 26	15 12	1 17	11 16	1 5	0 59	1 10	15 33	2 4	4 23	0 38	16 47	1 46	18 21	14 51	17 57	18 12	14 29	0 12	4 40
M19	12 52	11 15	2 26	0 24	2 37	14 49	1 18	11 2	1 5	1 3	1 9	15 34	2 4	4 24	0 38	16 47	1 46	18 20	14 51	17 57	18 13	14 31	0 11	4 40
T 20	12 32	7 8	3 26	0s 3	2 47	14 25	1 19	10 48	1 4	1 8	1 9	15 35	2 4	4 25	0 38	16 47	1 46	18 19	14 51	17 58	18 13	14 33	0 10	4 40
W21	12 12	2 48	4 13	0 28	2 57	14 0	1 19	10 34	1 4	1 13	1 9	15 36	2 3	4 26	0 38	16 47	1 46	18 18	14 51	17 58	18 14	14 34	0 9	4 40
T 22	11 52	1n34	4 48	0 51	3 6	13 35	1 20	10 20	1 4	1 17	1 9	15 37	2 3	4 27	0 38	16 47	1 46	18 17	14 51	17 59	18 15	14 36	0 9	4 40
F 23	11 32	5 47	5 8	1 12	3 16	13 10	1 21	10 5	1 4	1 22	1 9	15 38	2 3	4 28	0 38	16 47	1 46	18 16	14 50	18 0	18 16	14 38	0 8	4 40
S 24	11 11	9 42	5 15	1 32	3 25	12 45	1 22	9 51	1 4	1 27	1 9	15 39	2 3	4 30	0 38	16 47	1 46	18 16	14 50	18 1	18 17	14 40	0 7	4 40
S 25	10 51	13 12	5 7	1 49	3 33	12 19	1 22	9 36	1 3	1 31	1 9	15 40	2 2	4 31	0 38	16 47	1 46	18 15	14 50	18 1	18 17	14 42	0 5	4 40
M26	10 30	16 9	4 47	2 4	3 42	11 52	1 23	9 22	1 3	1 36	1 9	15 41	2 2	4 32	0 38	16 47	1 46	18 14	14 50	18 1	18 18	14 43	0 4	4 40
T 27	10 9	18 26	4 14	2 16	3 49	11 26	1 23	9 7	1 3	1 41	1 9	15 42	2 2	4 33	0 38	16 47	1 46	18 13	14 50	18 1	18 19	14 45	0 3	4 40
W28	9 48	19 56	3 30	2 26	3 56	10 59	1 24	8 52	1 3	1 46	1 8	15 43	2 2	4 35	0 38	16 47	1 46	18 12	14 50	18 1	18 20	14 47	0 2	4 40
T 29	9 26	20 33	2 36	2 32	4 3	10 32	1 24	8 38	1 2															



SWISS EPHEMERIS for the year 1720

SEPTEMBER 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	22 41 7	8 <sup>m</sup> 35'29	17 <sup>h</sup> Ω41	26°R32	9 <sup>m</sup> 59	12 <sup>m</sup> 21	7 <sup>h</sup> 52	19 <sup>m</sup> 53	13 <sup>h</sup> 15	22°R45	18 <sup>m</sup> 32	9°R 9	7 <sup>h</sup> Ω38	27 <sup>h</sup> ♂27	19°R 4
M 2	22 45 4	9°33'42	1 <sup>m</sup> 7	26 <sup>m</sup> 10	11°13	12°59	8° 4	19°57	13°18	22 <sup>h</sup> ♂45	18°35	9 <sup>h</sup> Ω 8	7°35	27°34	19 <sup>h</sup> ♂ 1
T 3	22 49 0	10°31'58	14°54	25°40	12°28	13°38	8°16	20° 1	13°21	22°45	18°37	9° 5	7°32	27°41	18°59
W 4	22 52 57	11°30'14	28°58	25° 5	13°42	14°16	8°28	20° 5	13°25	22°44	18°39	9° 0	7°29	27°47	18°56
T 5	22 56 54	12°28'33	13 <sup>h</sup> ♁14	24°23	14°57	14°55	8°41	20° 9	13°28	22°44	18°41	8°55	7°26	27°54	18°53
F 6	23 0 50	13°26'53	27°38	23°36	16°12	15°33	8°53	20°13	13°31	22°44	18°43	8°50	7°22	28° 1	18°50
S 7	23 4 47	14°25'15	12 <sup>m</sup> 4	22°44	17°26	16°12	9° 5	20°17	13°35	22°43	18°46	8°46	7°19	28° 8	18°47
S 8	23 8 43	15°23'38	26°27	21°48	18°41	16°50	9°18	20°21	13°38	22°43	18°48	8°43	7°16	28°14	18°45
M 9	23 12 40	16°22'03	10 <sup>h</sup> ♁43	20°48	19°55	17°29	9°30	20°25	13°42	22°43	18°50	8°D42	7°13	28°21	18°42
T 10	23 16 36	17°20'30	24°50	19°47	21°10	18° 7	9°43	20°30	13°45	22°42	18°52	8°42	7°10	28°28	18°39
W 11	23 20 33	18°18'58	8 <sup>h</sup> ♁36	18°44	22°25	18°46	9°55	20°34	13°49	22°42	18°54	8°43	7° 7	28°34	18°36
T 12	23 24 29	19°17'28	22°31	17°43	23°39	19°24	10° 8	20°39	13°52	22°41	18°57	8°44	7° 3	28°41	18°33
F 13	23 28 26	20°16'00	6 <sup>h</sup> ♁ 5	16°43	24°54	20° 3	10°20	20°43	13°56	22°40	18°59	8°R45	7° 0	28°48	18°30
S 14	23 32 23	21°14'33	19°28	15°48	26° 9	20°42	10°33	20°48	13°59	22°40	19° 1	8°45	6°57	28°55	18°27
S 15	23 36 19	22°13'08	2 <sup>h</sup> ♁39	14°57	27°23	21°20	10°45	20°53	14° 3	22°39	19° 3	8°42	6°54	29° 1	18°25
M 16	23 40 16	23°11'44	15°38	14°13	28°38	21°59	10°58	20°57	14° 6	22°39	19° 5	8°38	6°51	29° 8	18°22
T 17	23 44 12	24°10'23	28°24	13°36	29°53	22°37	11°11	21° 2	14°10	22°38	19° 8	8°31	6°47	29°15	18°19
W 18	23 48 9	25° 9'03	10 <sup>h</sup> ♁58	13° 8	1 <sup>h</sup> 7	23°16	11°23	21° 7	14°14	22°37	19°10	8°23	6°44	29°21	18°16
T 19	23 52 5	26° 7'46	23°19	12°49	2°22	23°55	11°36	21°12	14°17	22°36	19°12	8°14	6°41	29°28	18°13
F 20	23 56 2	27° 6'31	5 <sup>h</sup> ♁30	12°D40	3°37	24°34	11°49	21°17	14°21	22°36	19°14	8° 5	6°38	29°35	18°11
S 21	23 59 58	28° 5'18	17°30	12°41	4°51	25°12	12° 2	21°22	14°24	22°35	19°16	7°58	6°35	29°42	18° 8
S 22	0 3 55	29° 4'07	29°24	12°52	6° 6	25°51	12°14	21°27	14°28	22°34	19°18	7°51	6°32	29°48	18° 5
M 23	0 7 51	0 <sup>h</sup> ♁ 2'59	11 <sup>h</sup> ♁15	13°13	7°21	26°30	12°27	21°33	14°32	22°33	19°21	7°47	6°28	29°55	18° 2
T 24	0 11 48	1° 1'52	23° 7	13°43	8°36	27° 9	12°40	21°38	14°35	22°32	19°23	7°45	6°25	0 <sup>h</sup> ♁ 2	17°59
W 25	0 15 45	2° 0'49	5 <sup>h</sup> ♁ 6	14°23	9°50	27°48	12°53	21°43	14°39	22°31	19°25	7°D45	6°22	0° 8	17°57
T 26	0 19 41	2°59'47	17°15	15°11	11° 5	28°26	13° 6	21°49	14°43	22°30	19°27	7°46	6°19	0°15	17°54
F 27	0 23 38	3°58'48	29°41	16° 7	12°20	29° 5	13°19	21°54	14°47	22°29	19°29	7°46	6°16	0°22	17°51
S 28	0 27 34	4°57'51	12 <sup>h</sup> Ω27	17°11	13°35	29°44	13°32	22° 0	14°50	22°28	19°31	7°R47	6°13	0°29	17°49
S 29	0 31 31	5°56'56	25°39	18°21	14°50	0 <sup>h</sup> ♁23	13°45	22° 5	14°54	22°27	19°34	7°45	6° 9	0°35	17°46
M 30	0 35 27	6 <sup>h</sup> ♁56'03	9 <sup>m</sup> 16	19 <sup>h</sup> ♁37	16 <sup>h</sup> 4	1 <sup>h</sup> 2	13 <sup>h</sup> ♁58	22 <sup>m</sup> 11	14 <sup>h</sup> ♁58	22 <sup>h</sup> ♁26	19 <sup>m</sup> 36	7 <sup>h</sup> Ω41	6 <sup>h</sup> Ω 6	0 <sup>h</sup> ♁42	17 <sup>h</sup> ♁43

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	8n22	16n18	0n47	2s32	4s16	9n 9	1n25	7n53	1n 2	2s 5	1n 8	15s48	2n 1	4s40	0n37	16n46	1s46	18n 8	14n50	17n59	18n23	14n54	0s 2	4n40
M 2	8 0	12 55	1 57	2 25	4 18	8 40	1 25	7 38	1 1	2 10	1 8	15 49	2 1	4 41	0 37	16 46	1 46	18 7	14 50	18 0	18 24	14 56	0 3	4 40
T 3	7 38	8 46	3 3	2 14	4 19	8 12	1 25	7 23	1 1	2 15	1 8	15 50	2 0	4 42	0 37	16 46	1 46	18 7	14 50	18 1	18 25	14 58	0 4	4 40
W 4	7 16	4 4	3 59	1 59	4 18	7 43	1 25	7 8	1 1	2 20	1 8	15 52	2 0	4 44	0 37	16 46	1 47	18 6	14 50	18 2	18 26	14 59	0 5	4 40
T 5	6 53	0s56	4 41	1 41	4 15	7 14	1 25	6 53	1 1	2 24	1 8	15 53	2 0	4 45	0 37	16 46	1 47	18 5	14 50	18 3	18 26	15 1	0 6	4 40
F 6	6 31	5 54	5 5	1 18	4 11	6 45	1 25	6 38	1 0	2 29	1 8	15 54	2 0	4 46	0 37	16 46	1 47	18 4	14 50	18 5	18 27	15 3	0 8	4 40
S 7	6 8	10 33	5 10	0 52	4 5	6 16	1 24	6 23	1 0	2 34	1 8	15 55	1 59	4 48	0 37	16 46	1 47	18 3	14 50	18 6	18 28	15 5	0 9	4 40
S 8	5 46	14 35	4 56	0 22	3 57	5 46	1 24	6 7	1 0	2 39	1 7	15 57	1 59	4 49	0 37	16 45	1 47	18 2	14 50	18 6	18 29	15 6	0 10	4 40
M 9	5 23	17 44	4 24	0n10	3 47	5 17	1 24	5 52	0 59	2 44	1 7	15 58	1 59	4 50	0 37	16 45	1 47	18 1	14 50	18 7	18 30	15 8	0 11	4 40
T 10	5 0	19 47	3 36	0 46	3 35	4 47	1 23	5 37	0 59	2 49	1 7	15 59	1 59	4 52	0 37	16 45	1 47	18 1	14 50	18 7	18 31	15 10	0 12	4 40
W 11	4 38	20 36	2 36	1 23	3 21	4 17	1 23	5 21	0 59	2 54	1 7	16 1	1 59	4 53	0 37	16 45	1 47	18 0	14 50	18 6	18 31	15 12	0 13	4 40
T 12	4 15	20 10	1 27	2 1	3 5	3 47	1 22	5 6	0 59	2 59	1 7	16 2	1 58	4 54	0 37	16 45	1 47	17 59	14 50	18 6	18 32	15 14	0 15	4 40
F 13	3 52	18 33	0 14	2 40	2 49	3 17	1 22	4 50	0 58	3 4	1 7	16 4	1 58	4 56	0 37	16 45	1 47	17 58	14 50	18 6	18 33	15 15	0 16	4 40
S 14	3 29	15 55	0s58	3 18	2 30	2 46	1 21	4 35	0 58	3 9	1 7	16 5	1 58	4 57	0 37	16 44	1 47	17 57	14 50	18 6	18 34	15 17	0 17	4 40
S 15	3 5	12 30	2 6	3 55	2 11	2 16	1 20	4 19	0 58	3 14	1 7	16 6	1 58	4 59	0 37	16 44	1 47	17 56	14 50	18 7	18 35	15 19	0 18	4 40
M 16	2 42	8 32	3 6	4 30	1 52	1 45	1 19	4 4	0 57	3 19	1 7	16 8	1 58	5 0	0 37	16 44	1 47	17 56	14 50	18 8	18 35	15 21	0 19	4 39
T 17	2 19	4 14	3 55	5 3	1 32	1 15	1 18	3 48	0 57	3 24	1 7	16 9	1 57	5 1	0 37	16 44	1 47	17 55	14 50	18 10	18 36	15 22	0 20	4 39
W 18	1 56	0n10	4 33	5 32	1 12	0 44	1 18	3 33	0 57	3 29	1 7	16 11	1 57	5 3	0 37	16 43	1 47	17 54	14 51	18 12	18 37	15 24	0 22	4 39
T 19	1 32	4 29	4 57	5 57	0 52	0 14	1 17	3 17	0 57	3 34	1 7	16 12	1 57	5 4	0 37	16 43	1 47	17 53	14 51	18 14	18 38	15 26	0 23	4 39
F 20	1 9	8 33	5 6	6 18	0 33	0s17	1 15	3 1	0 56	3 39	1 7	16 14	1 57	5 6	0 37	16 43	1 47	17 52	14 51	18 16	18 39	15 27	0 24	4 39
S 21	0 46	12 14	5 2	6 35	0 15	0 48	1 14	2 46	0 56	3 44	1 7	16 15	1 57	5 7	0 37	16 43	1 47	17 52	14 51	18 18	18 39	15 29	0 25	4 39
S 22	0 22	15 24	4 46	6 47	0n 3	1 18	1 13	2 30	0 56	3 49	1 7	16 17	1 56	5 9	0 37	16 42	1 47	17 51	14 51	18 20	18 40	15 31	0 26	4 39
M 23	0s 1	17 56	4 16	6 54	0 19	1 49	1 12	2 14	0 55	3 54	1 7	16 18	1 56	5 10	0 37	16 42	1 47	17 50	14 51	18 21	18 41	15 33	0 28	4 39
T 24	0 25	19 42	3 36	6 56	0 34	2 20	1 11	1 59	0 55	3 59	1 7	16 20	1 56	5 11	0 37	16 42	1 48	17 50	14 51	18 21	18 42	15 34	0 29	4 39
W 25	0 48	20 37	2 46	6 54	0 48	2 50	1 9	1 43	0 55	4 4	1 7	16 21	1 56	5 13	0 37	16 42	1 48	17 49	14 51	18 22	18 43	15 36	0 30	4 38
T 26	1 12	20 35	1 48	6 47	1 1	3 21	1 8	1 27	0 54	4 9	1 6	16 23	1 56	5 14	0 37	16 41	1 48	17 48	14 52	18 21	18 43	15 38	0 31	4 38
F 27	1 35	19 33	0 43	6 35	1 12	3 52	1 7	1 11	0 54	4 15	1 6	16 25	1 56	5 16	0 37	16 41	1 48	17 47	14 52	18 21	18 44	15 40	0 32	4 38
S 28	1 59	17 30	0n25	6 20	1 22	4 22	1 5	0 56	0 54	4 20	1 6	16 26	1 55	5 17	0 37	16 41	1 48	17 47	14 52	18 21	18 45	15 41	0 34	4 38
S 29																								

SWISS EPHEMERIS for the year 1720

OCTOBER 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 39 24	7♄55'13	23♃20	20♃58	17♄19	1♄41	14♄11	22♃17	15♄ 2	22°R25	19♃38	7°R35	6♁ 3	0♁49	17°R41
W 2	0 43 20	8°54'25	7♄46	22°24	18°34	2°20	14°24	22°23	15° 5	22♄24	19°40	7♁27	6° 0	0°55	17♃38
T 3	0 47 17	9°53'39	22°29	23°53	19°49	2°59	14°37	22°28	15° 9	22°23	19°42	7°17	5°57	1° 2	17°35
F 4	0 51 14	10°52'54	7♃21	25°26	21° 4	3°38	14°50	22°34	15°13	22°22	19°44	7° 7	5°53	1° 9	17°33
S 5	0 55 10	11°52'12	22°12	27° 2	22°18	4°17	15° 3	22°40	15°17	22°21	19°46	6°58	5°50	1°15	17°30
S 6	0 59 7	12°51'32	6♃55	28°39	23°33	4°57	15°16	22°46	15°20	22°19	19°48	6°52	5°47	1°22	17°28
M 7	1 3 3	13°50'53	21°24	0♄19	24°48	5°36	15°29	22°52	15°24	22°18	19°50	6°47	5°44	1°29	17°25
T 8	1 7 0	14°50'17	5♄35	1°59	26° 3	6°15	15°42	22°58	15°28	22°17	19°52	6°45	5°41	1°36	17°23
W 9	1 10 56	15°49'42	19°27	3°41	27°18	6°54	15°55	23° 4	15°32	22°16	19°54	6°D45	5°38	1°42	17°21
T 10	1 14 53	16°49'09	3♁ 1	5°24	28°33	7°33	16° 8	23°10	15°36	22°14	19°56	6°R45	5°34	1°49	17°18
F 11	1 18 49	17°48'37	16°18	7° 7	29°47	8°12	16°21	23°17	15°39	22°13	19°58	6°45	5°31	1°56	17°16
S 12	1 22 46	18°48'07	29°21	8°50	1♃ 2	8°52	16°34	23°23	15°43	22°12	20° 0	6°43	5°28	2° 2	17°13
S 13	1 26 43	19°47'39	12♃11	10°34	2°17	9°31	16°47	23°29	15°47	22°10	20° 2	6°38	5°25	2° 9	17°11
M14	1 30 39	20°47'13	24°51	12°17	3°32	10°10	17° 0	23°36	15°51	22° 9	20° 4	6°31	5°22	2°16	17° 9
T 15	1 34 36	21°46'49	7♃20	14° 1	4°47	10°50	17°13	23°42	15°54	22° 8	20° 6	6°20	5°18	2°23	17° 7
W16	1 38 32	22°46'27	19°40	15°44	6° 1	11°29	17°26	23°48	15°58	22° 6	20° 8	6° 8	5°15	2°29	17° 5
T 17	1 42 29	23°46'06	1♄51	17°27	7°16	12° 8	17°39	23°55	16° 2	22° 5	20°10	5°54	5°12	2°36	17° 2
F 18	1 46 25	24°45'48	13°55	19° 9	8°31	12°48	17°52	24° 1	16° 6	22° 3	20°12	5°40	5° 9	2°43	17° 0
S 19	1 50 22	25°45'32	25°51	20°51	9°46	13°27	18° 5	24° 8	16°10	22° 2	20°14	5°27	5° 6	2°49	16°58
S 20	1 54 18	26°45'18	7♁43	22°33	11° 1	14° 7	18°18	24°14	16°13	22° 0	20°16	5°17	5° 3	2°56	16°56
M21	1 58 15	27°45'06	19°32	24°14	12°16	14°46	18°31	24°21	16°17	21°59	20°18	5° 8	4°59	3° 3	16°54
T 22	2 2 12	28°44'57	1♄22	25°55	13°30	15°26	18°44	24°28	16°21	21°57	20°20	5° 3	4°56	3° 9	16°52
W23	2 6 8	29°44'50	13°18	27°35	14°45	16° 5	18°57	24°34	16°24	21°56	20°21	5° 1	4°53	3°16	16°50
T 24	2 10 5	0♃44'44	25°24	29°15	16° 0	16°45	19°10	24°41	16°28	21°54	20°23	5° 0	4°50	3°23	16°49
F 25	2 14 1	1°44'41	7♁45	0♃54	17°15	17°24	19°22	24°48	16°32	21°53	20°25	5° 0	4°47	3°30	16°47
S 26	2 17 58	2°44'41	20°28	2°33	18°30	18° 4	19°35	24°54	16°35	21°51	20°27	4°59	4°44	3°36	16°45
S 27	2 21 54	3°44'42	3♃36	4°11	19°44	18°44	19°48	25° 1	16°39	21°49	20°28	4°57	4°40	3°43	16°43
M28	2 25 51	4°44'46	17°12	5°49	20°59	19°23	20° 1	25° 8	16°43	21°48	20°30	4°53	4°37	3°50	16°42
T 29	2 29 47	5°44'51	1♄19	7°26	22°14	20° 3	20°14	25°15	16°46	21°46	20°32	4°46	4°34	3°56	16°40
W30	2 33 44	6°44'59	15°54	9° 3	23°29	20°43	20°27	25°22	16°50	21°45	20°33	4°36	4°31	4° 3	16°38
T 31	2 37 41	7♃45'08	0♃51	10♃39	24♃44	21♄22	20♄39	25♃29	16♄54	21♄43	20♃35	4♁24	4♁28	4♁10	16♃37

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	3s 9	5n59	3n38	5n10	1n44	5s53	1n 0	0n 8	0n53	4s35	1n 6	16s31	1n55	5s22	0n37	16n40	1s48	17n45	14n52	18n24	18n47	15n46	0s37	4n37
W 2	3 32	0 57	4 24	4 41	1 48	6 23	0 59	0s 8	0 52	4 40	1 6	16 33	1 55	5 23	0 37	16 40	1 48	17 44	14 53	18 26	18 48	15 48	0 38	4 37
T 3	3 55	4s13	4 53	4 9	1 52	6 53	0 57	0 24	0 52	4 45	1 6	16 34	1 55	5 25	0 37	16 39	1 48	17 43	14 53	18 29	18 49	15 50	0 39	4 37
F 4	4 19	9 12	5 3	3 34	1 55	7 23	0 55	0 39	0 52	4 50	1 6	16 36	1 54	5 26	0 37	16 39	1 48	17 43	14 53	18 31	18 50	15 52	0 41	4 37
S 5	4 42	13 38	4 53	2 58	1 56	7 23	0 53	0 55	0 51	4 55	1 6	16 37	1 54	5 27	0 37	16 39	1 48	17 42	14 53	18 33	18 50	15 53	0 42	4 37
S 6	5 5	17 11	4 23	2 20	1 57	8 22	0 51	1 11	0 51	5 0	1 6	16 39	1 54	5 29	0 37	16 38	1 48	17 41	14 54	18 35	18 51	15 55	0 43	4 37
M 7	5 28	19 36	3 37	1 40	1 57	8 51	0 49	1 27	0 51	5 5	1 6	16 41	1 54	5 30	0 37	16 38	1 48	17 41	14 54	18 36	18 52	15 57	0 44	4 36
T 8	5 51	20 44	2 38	0 59	1 56	9 20	0 47	1 43	0 50	5 10	1 6	16 42	1 54	5 32	0 37	16 37	1 48	17 40	14 54	18 37	18 53	15 58	0 45	4 36
W 9	6 14	20 34	1 31	0 17	1 55	9 49	0 45	1 59	0 50	5 15	1 6	16 44	1 54	5 33	0 37	16 37	1 48	17 40	14 54	18 37	18 54	16 0	0 46	4 36
T 10	6 37	19 11	0 20	0s25	1 53	10 18	0 43	2 14	0 50	5 20	1 6	16 46	1 53	5 35	0 37	16 37	1 48	17 39	14 55	18 37	18 54	16 2	0 47	4 36
F 11	7 0	16 47	0s50	1 9	1 50	10 46	0 41	2 30	0 49	5 25	1 6	16 47	1 53	5 36	0 37	16 36	1 48	17 39	14 55	18 37	18 55	16 3	0 48	4 36
S 12	7 23	13 32	1 57	1 53	1 47	11 15	0 39	2 46	0 49	5 30	1 6	16 49	1 53	5 38	0 37	16 36	1 48	17 38	14 55	18 37	18 56	16 5	0 50	4 35
S 13	7 45	9 42	2 56	2 37	1 43	11 42	0 37	3 2	0 49	5 35	1 6	16 51	1 53	5 39	0 37	16 36	1 48	17 37	14 55	18 38	18 57	16 7	0 51	4 35
M14	8 8	5 30	3 45	3 21	1 39	12 10	0 35	3 18	0 48	5 40	1 6	16 53	1 53	5 41	0 37	16 35	1 48	17 37	14 56	18 40	18 57	16 9	0 52	4 35
T 15	8 30	1 7	4 23	4 5	1 34	12 37	0 32	3 33	0 48	5 45	1 6	16 54	1 53	5 42	0 37	16 35	1 48	17 36	14 56	18 43	18 58	16 10	0 53	4 35
W16	8 52	3n15	4 48	4 50	1 29	13 4	0 30	3 49	0 47	5 50	1 6	16 56	1 53	5 44	0 37	16 34	1 48	17 36	14 56	18 46	18 59	16 12	0 54	4 35
T 17	9 14	7 27	4 59	5 34	1 24	13 31	0 28	4 5	0 47	5 55	1 6	16 58	1 53	5 45	0 37	16 34	1 48	17 35	14 57	18 49	19 0	16 14	0 55	4 34
F 18	9 36	11 18	4 57	6 18	1 19	13 58	0 26	4 21	0 47	6 0	1 6	16 59	1 52	5 46	0 37	16 34	1 48	17 35	14 57	18 53	19 0	16 15	0 56	4 34
S 19	9 58	14 41	4 42	7 2	1 13	14 24	0 23	4 36	0 46	6 5	1 6	17 1	1 52	5 48	0 37	16 33	1 48	17 35	14 57	18 56	19 1	16 17	0 57	4 34
S 20	10 20	17 27	4 16	7 45	1 7	14 49	0 21	4 52	0 46	6 10	1 6	17 3	1 52	5 49	0 37	16 33	1 48	17 34	14 58	18 59	19 2	16 19	0 58	4 34
M21	10 41	19 29	3 36	8 28	1 1	15 15	0 18	5 8	0 46	6 15	1 6	17 5	1 52	5 51	0 37	16 32	1 49	17 34	14 58	19 1	19 3	16 20	0 59	4 33
T 22	11 3	20 40	2 48	9 11	0 55	15 40	0 16	5 23	0 45	6 20	1 6	17 6	1 52	5 52	0 37	16 32	1 49	17 33	14 58	19 2	19 4	16 22	1 0	4 33
W23	11 24	20 57	1 52	9 53	0 48	16 4	0 14	5 39	0 45	6 25	1 6	17 8	1 52	5 54	0 37	16 32	1 49	17 33	14 59	19 2	19 4	16 24	1 1	4 33
T 24	11 45	20 16	0 51	10 34	0 42	16 28	0 11	5 54	0 44	6 29	1 6	17 10	1 52	5 55	0 37	16 31	1 49	17 32	14 59	19 3	19 5	16 25	1 2	4 33
F 25	12 6	18 36	0n15	11 15	0 35	16 52	0 9	6 10	0 44	6 34	1 6	17 11	1 52	5 56	0 37	16 31	1 49	17 32	14 59	19 3	19 6	16 27	1 3	4 32
S 26	12 27	15 58	1 21	11 55	0 29	17 15	0 6	6 25	0 44	6 39	1 6	17 13	1 51	5 58	0 37	16 30	1 49	17 32	15 0	19 3	19 7	16 29	1 4	4 32
S 27	12 47	12 27	2 25	12 35	0 22	17 38	0 4	6 41	0 43	6 44	1 6	17 15	1 51	5 59	0 37	16 30	1 49	17 31	15 0	19 3	19 7	16 30	1 4	4 32
M28	13 7	8 11	3 23	13 14	0 16	18 1	0 1	6 56	0 43	6 49	1 6	17 17	1 51	6 1	0 37	16 30	1 49	17 31	15 0	19 4	19 8	16 32	1 5	4 32
T 29	13 27	3 19	4 11	13 52	0 9	18 23	0s 1	7 12	0 42	6 54	1 6	17 18	1 51											

SWISS EPHEMERIS for the year 1720

NOVEMBER 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	2 41 37	8M.45'20	16M. 2	12M.15	25M.59	22Ω 2	20Ω52	25M.35	16Ω57	21°R41	20M.37	4°R13	4Ω24	4M.17	16°R35
S 2	2 45 34	9°45'33	1♂15	13°51	27°14	22°42	21° 5	25°42	17° 1	21♂40	20°38	4Ω 2	4°21	4°23	16♂34
S 3	2 49 30	10°45'48	16°20	15°26	28°28	23°22	21°18	25°49	17° 4	21°38	20°40	3°53	4°18	4°30	16°33
M 4	2 53 27	11°46'05	1♂ 8	17° 1	29°43	24° 2	21°30	25°56	17° 8	21°36	20°41	3°48	4°15	4°37	16°31
T 5	2 57 23	12°46'23	15°33	18°35	30°58	24°42	21°43	26° 3	17°11	21°35	20°43	3°45	4°12	4°43	16°30
W 6	3 1 20	13°46'43	29°33	20°10	2°13	25°22	21°55	26°10	17°15	21°33	20°44	3°D44	4° 9	4°50	16°29
T 7	3 5 16	14°47'04	13♁ 9	21°43	3°28	26° 2	22° 8	26°17	17°18	21°31	20°46	3°R44	4° 5	4°57	16°28
F 8	3 9 13	15°47'27	26°22	23°17	4°42	26°41	22°20	26°24	17°22	21°30	20°47	3°43	4° 2	5° 3	16°27
S 9	3 13 10	16°47'50	9♂15	24°50	5°57	27°21	22°33	26°31	17°25	21°28	20°49	3°41	3°59	5°10	16°26
S 10	3 17 6	17°48'15	21°53	26°23	7°12	28° 2	22°45	26°38	17°29	21°26	20°50	3°37	3°56	5°17	16°25
M11	3 21 3	18°48'42	4♀19	27°55	8°27	28°42	22°58	26°46	17°32	21°25	20°52	3°30	3°53	5°24	16°24
T 12	3 24 59	19°49'10	16°34	29°28	9°42	29°22	23°10	26°53	17°35	21°23	20°53	3°20	3°50	5°30	16°23
W13	3 28 56	20°49'39	28°42	1♂ 0	10°56	0M. 2	23°22	27° 0	17°39	21°21	20°54	3° 7	3°46	5°37	16°22
T 14	3 32 52	21°50'10	10♂43	2°31	12°11	0°42	23°35	27° 7	17°42	21°20	20°56	2°54	3°43	5°44	16°21
F 15	3 36 49	22°50'42	22°40	4° 3	13°26	1°22	23°47	27°14	17°45	21°18	20°57	2°40	3°40	5°50	16°20
S 16	3 40 45	23°51'16	4M.33	5°34	14°41	2° 2	23°59	27°21	17°49	21°16	20°58	2°27	3°37	5°57	16°20
S 17	3 44 42	24°51'52	16°23	7° 5	15°55	2°43	24°11	27°28	17°52	21°14	20°59	2°17	3°34	6° 4	16°19
M18	3 48 39	25°52'29	28°13	8°36	17°10	3°23	24°23	27°35	17°55	21°13	21° 0	2° 9	3°30	6°10	16°19
T 19	3 52 35	26°53'07	10♁ 5	10° 7	18°25	4° 3	24°35	27°42	17°58	21°11	21° 2	2° 4	3°27	6°17	16°18
W20	3 56 32	27°53'48	22° 2	11°37	19°40	4°43	24°47	27°49	18° 1	21° 9	21° 3	2° 1	3°24	6°24	16°18
T 21	4 0 28	28°54'29	4Ω 8	13° 7	20°54	5°24	24°59	27°57	18° 4	21° 8	21° 4	2°D 0	3°21	6°31	16°17
F 22	4 4 25	29°55'13	16°27	14°36	22° 9	6° 4	25°11	28° 4	18° 8	21° 6	21° 5	2° 1	3°18	6°37	16°17
S 23	4 8 21	0♂55'58	29° 5	16° 6	23°24	6°45	25°23	28°11	18°11	21° 4	21° 6	2°R 2	3°15	6°44	16°17
S 24	4 12 18	1°56'44	12M. 7	17°34	24°39	7°25	25°34	28°18	18°14	21° 3	21° 7	2° 1	3°11	6°51	16°17
M25	4 16 14	2°57'32	25°35	19° 3	25°53	8° 6	25°46	28°25	18°17	21° 1	21° 8	1°59	3° 8	6°57	16°16
T 26	4 20 11	3°58'22	9♂33	20°31	27° 8	8°46	25°58	28°32	18°19	20°59	21° 9	1°54	3° 5	7° 4	16°16
W27	4 24 8	4°59'13	24° 0	21°58	28°23	9°27	26° 9	28°39	18°22	20°58	21°10	1°47	3° 2	7°11	16°D16
T 28	4 28 4	6° 0'05	8M.53	23°24	29°37	10° 7	26°21	28°46	18°25	20°56	21°11	1°39	2°59	7°17	16°16
F 29	4 32 1	7° 0'59	24° 4	24°50	0♂52	10°48	26°32	28°53	18°28	20°54	21°11	1°30	2°55	7°24	16°16
S 30	4 35 57	8♂ 1'54	9♂24	26♂15	2♂ 7	11M.28	26♂43	29M. 0	18♂31	20♂53	21M.12	1♂22	2♂52	7M.31	16♂16

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s26	11s58	4n54	15s43	0s11	19s25	0s 9	7s58	0n41	7s 8	1n 6	17s23	1n51	6s 6	0n37
S 2	14 46 16	5 4 27	16 18	0 18	19 45	0 12	8 13	0 41	7 13	1 7	17 25	1 51	6 7	0 37	16 27
S 3	15 5 19	5 3 42	16 53	0 25	20 5	0 14	8 28	0 40	7 17	1 7	17 27	1 51	6 9	0 37	16 27
M 4	15 23 20	4 5 23	17 26	0 31	20 23	0 17	8 43	0 40	7 22	1 7	17 29	1 51	6 10	0 37	16 27
T 5	15 42 21	0 1 35	17 59	0 38	20 42	0 19	8 58	0 39	7 27	1 7	17 30	1 51	6 12	0 37	16 26
W 6	16 0 19	5 0 22	18 31	0 44	20 59	0 22	9 13	0 39	7 31	1 7	17 32	1 50	6 13	0 37	16 26
T 7	16 18 17	4 0 50	19 2	0 50	21 16	0 24	9 28	0 39	7 36	1 7	17 34	1 50	6 14	0 37	16 25
F 8	16 35 14	3 5 57	19 32	0 57	21 33	0 27	9 43	0 38	7 41	1 7	17 35	1 50	6 15	0 37	16 25
S 9	16 53 10	5 0 26	20 1	1 3	21 49	0 29	9 58	0 38	7 45	1 7	17 37	1 50	6 17	0 37	16 24
S 10	17 10 6	4 0 34	20 29	1 9	22 4	0 32	10 13	0 37	7 50	1 7	17 39	1 50	6 18	0 37	16 24
M11	17 27 2	19 4 23	20 56	1 15	22 19	0 34	10 27	0 37	7 54	1 7	17 40	1 50	6 19	0 37	16 23
T 12	17 43 2n	5 4 48	21 22	1 20	22 33	0 37	10 42	0 36	7 59	1 7	17 42	1 50	6 21	0 37	16 23
W13	17 59 6	21 5 0	21 47	1 26	22 46	0 39	10 56	0 36	8 3	1 7	17 44	1 50	6 22	0 37	16 23
T 14	18 15 10	20 4 58	22 11	1 31	22 59	0 42	11 11	0 35	8 8	1 7	17 45	1 50	6 23	0 37	16 22
F 15	18 31 13	5 4 43	22 34	1 37	23 11	0 44	11 25	0 35	8 12	1 7	17 47	1 50	6 24	0 37	16 22
S 16	18 46 16	5 3 4	22 56	1 42	23 22	0 47	11 40	0 34	8 16	1 7	17 49	1 50	6 26	0 37	16 21
S 17	19 1 19	10 3 38	23 17	1 47	23 32	0 49	11 54	0 34	8 21	1 7	17 50	1 50	6 27	0 37	16 21
M18	19 15 20	38 2 50	23 36	1 51	23 42	0 51	12 8	0 33	8 25	1 7	17 52	1 50	6 28	0 37	16 20
T 19	19 29 21	12 1 54	23 54	1 56	23 52	0 54	12 22	0 33	8 30	1 8	17 54	1 50	6 29	0 37	16 20
W20	19 43 20	48 0 53	24 11	2 0	24 0	0 56	12 36	0 32	8 34	1 8	17 55	1 50	6 30	0 37	16 20
T 21	19 57 19	26 0n11	24 27	2 4	24 8	0 58	12 50	0 32	8 38	1 8	17 57	1 50	6 32	0 37	16 19
F 22	20 10 17	9 41 5	24 41	2 7	24 15	1 0	13 4	0 31	8 42	1 8	17 59	1 50	6 33	0 37	16 19
S 23	20 22 13	59 2 20	24 55	2 10	24 21	1 3	13 18	0 31	8 47	1 8	18 0	1 50	6 34	0 37	16 18
S 24	20 35 10	4 3 17	25 6	2 13	24 27	1 5	13 32	0 31	8 51	1 8	18 2	1 49	6 35	0 37	16 18
M25	20 47 5	32 4 6	25 17	2 16	24 32	1 7	13 45	0 30	8 55	1 8	18 3	1 49	6 36	0 37	16 17
T 26	20 58 0	33 4 43	25 26	2 18	24 36	1 9	13 59	0 29	8 59	1 8	18 5	1 49	6 37	0 37	16 17
W27	21 10 4	33 5 3	25 34	2 20	24 39	1 11	14 12	0 29	9 3	1 8	18 7	1 49	6 38	0 37	16 17
T 28	21 20 9	41 5 3	25 40	2 21	24 42	1 13	14 25	0 28	9 7	1 8	18 8	1 49	6 39	0 37	16 16
F 29	21 31 14	15 4 42	25 45	2 22	24 43	1 15	14 39	0 28	9 11	1 8	18 10	1 49	6 40	0 37	16 16
S 30	21s41	17s55	4n 1	25s48	2s23	24s44	1s17	14s52	0n27	9s15	1n 8	18s11	1n49	6s41	0n37

Julian Day Number = 2349581.5, Delta T = 10.00 sec  
 Ecliptic obliquity = 23°28'27", Nutation = - 0°00'16"  
 Ayanamsha: Fagan/Bradley = 20°50'36", Lahiri = 19°57'36"Greg. Calendar

# SWISS EPHEMERIS for the year 1720

DECEMBER 1720

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♆	♄	♁	♁	♁	♁	♁
S 1	4 39 54	9♁ 2'50	24♁41	27♁39	3♁22	12♁ 9	26♁54	29♁ 8	18♁34	20°R51	21♁13	1°R15	2♁49	7♁38	16♁17	
M 2	4 43 50	10° 3'48	9♁34	29° 1	4°36	12°50	27° 6	29°15	18°36	20♁50	21°14	1♁11	2°46	7°44	16°17	
T 3	4 47 47	11° 4'45	8♁43	0♁22	5°51	13°30	27°17	29°22	18°39	20°48	21°15	1°D 9	2°43	7°51	16°17	
W 4	4 51 43	12° 5'44	8♁38	1°41	7° 5	14°11	27°28	29°29	18°42	20°47	21°15	1° 9	2°40	7°58	16°18	
T 5	4 55 40	13° 6'43	22°25	2°59	8°20	14°52	27°39	29°36	18°44	20°45	21°16	1°10	2°36	8° 4	16°18	
F 6	4 59 37	14° 7'43	5♁44	4°14	9°35	15°33	27°50	29°43	18°47	20°43	21°16	1°11	2°33	8°11	16°19	
S 7	5 3 33	15° 8'44	18°40	5°26	10°49	16°14	28° 0	29°50	18°49	20°42	21°17	1°R11	2°30	8°18	16°19	
S 8	5 7 30	16° 9'45	1♁16	6°35	12° 4	16°54	28°11	29°57	18°52	20°40	21°18	1°10	2°27	8°24	16°20	
M 9	5 11 26	17°10'46	13°36	7°41	13°19	17°35	28°22	0♁ 3	18°54	20°39	21°18	1° 7	2°24	8°31	16°20	
T 10	5 15 23	18°11'48	25°44	8°42	14°33	18°16	28°32	0°10	18°57	20°38	21°19	1° 1	2°21	8°38	16°21	
W 11	5 19 19	19°12'51	7♁44	9°39	15°48	18°57	28°43	0°17	18°59	20°36	21°19	0°54	2°17	8°45	16°22	
T 12	5 23 16	20°13'54	19°38	10°30	17° 2	19°38	28°53	0°24	19° 1	20°35	21°19	0°46	2°14	8°51	16°23	
F 13	5 27 12	21°14'57	1♁30	11°15	18°17	20°19	29° 3	0°31	19° 3	20°33	21°20	0°38	2°11	8°58	16°24	
S 14	5 31 9	22°16'02	13°21	11°53	19°31	21° 0	29°13	0°38	19° 6	20°32	21°20	0°31	2° 8	9° 5	16°25	
S 15	5 35 6	23°17'07	25°13	12°23	20°46	21°41	29°23	0°44	19° 8	20°30	21°21	0°25	2° 5	9°11	16°26	
M 16	5 39 2	24°18'12	7♁ 7	12°44	22° 0	22°22	29°33	0°51	19°10	20°29	21°21	0°20	2° 1	9°18	16°27	
T 17	5 42 59	25°19'18	19° 6	12°56	23°14	23° 4	29°43	0°58	19°12	20°28	21°21	0°18	1°58	9°25	16°28	
W 18	5 46 55	26°20'24	1♁11	12°R56	24°29	23°45	29°53	1° 5	19°14	20°26	21°21	0°D17	1°55	9°31	16°29	
T 19	5 50 52	27°21'31	13°25	12°46	25°43	24°26	0♁ 3	1°11	19°16	20°25	21°21	0°18	1°52	9°38	16°30	
F 20	5 54 48	28°22'39	25°51	12°24	26°58	25° 7	0°12	1°18	19°18	20°24	21°22	0°19	1°49	9°45	16°32	
S 21	5 58 45	29°23'47	8♁32	11°50	28°12	25°48	0°22	1°24	19°20	20°23	21°22	0°21	1°46	9°52	16°33	
S 22	6 2 41	0♁24'56	21°32	11° 5	29°26	26°30	0°31	1°31	19°22	20°21	21°22	0°22	1°42	9°58	16°34	
M 23	6 6 38	1°26'06	4♁54	10° 9	0♁41	27°11	0°40	1°38	19°23	20°20	21°22	0°R23	1°39	10° 5	16°36	
T 24	6 10 35	2°27'15	18°40	9° 3	1°55	27°52	0°49	1°44	19°25	20°19	21°R22	0°22	1°36	10°12	16°37	
W 25	6 14 31	3°28'26	2♁51	7°50	3° 9	28°34	0°58	1°50	19°27	20°18	21°22	0°19	1°33	10°18	16°39	
T 26	6 18 28	4°29'37	17°26	6°32	4°23	29°15	1° 7	1°57	19°28	20°17	21°22	0°16	1°30	10°25	16°40	
F 27	6 22 24	5°30'48	2♁20	5°10	5°38	29°57	1°16	2° 3	19°30	20°16	21°22	0°12	1°27	10°32	16°42	
S 28	6 26 21	6°32'00	17°26	3°49	6°52	0♁38	1°25	2°10	19°31	20°15	21°22	0° 9	1°23	10°38	16°44	
S 29	6 30 17	7°33'12	2♁34	2°30	8° 6	1°20	1°33	2°16	19°33	20°14	21°21	0° 6	1°20	10°45	16°46	
M 30	6 34 14	8°34'24	17°36	1°16	9°20	2° 1	1°42	2°22	19°34	20°13	21°21	0° 5	1°17	10°52	16°47	
T 31	6 38 10	9♁35'36	2♁21	0♁ 9	10♁34	2♁43	1♁50	2♁28	19♁36	20♁12	21♁21	0°D 4	1♁14	10♁58	16♁49	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♆	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s50	20s19	3n 3	25s50	2s23	24s45	1s19	15s 5	0m27	9s19	1n 9	18s13	1n49	6s43	0n37	16n15
M 2	21 59	21 15	1 53	25 50	2 22	24 44	1 21	15 18	0 26	9 23	1 9	18 14	1 49	6 44	0 37	16 15
T 3	22 8	20 40	0 36	25 49	2 21	24 43	1 23	15 30	0 26	9 27	1 9	18 16	1 49	6 45	0 37	16 14
W 4	22 16	18 47	0s40	25 47	2 19	24 41	1 24	15 43	0 25	9 31	1 9	18 17	1 49	6 45	0 37	16 14
T 5	22 24	15 50	1 52	25 43	2 16	24 38	1 26	15 56	0 25	9 35	1 9	18 19	1 49	6 46	0 37	16 13
F 6	22 32	12 9	2 56	25 37	2 13	24 35	1 28	16 8	0 24	9 38	1 9	18 20	1 49	6 47	0 37	16 13
S 7	22 39	7 59	3 48	25 31	2 9	24 31	1 29	16 20	0 24	9 42	1 9	18 22	1 49	6 48	0 37	16 13
S 8	22 45	3 36	4 28	25 22	2 4	24 26	1 31	16 32	0 23	9 46	1 9	18 23	1 49	6 49	0 38	16 12
M 9	22 51	0n51	4 55	25 13	1 58	24 20	1 32	16 45	0 23	9 50	1 9	18 25	1 49	6 50	0 38	16 12
T 10	22 57	5 11	5 8	25 2	1 51	24 14	1 33	16 57	0 22	9 53	1 10	18 26	1 49	6 51	0 38	16 12
W 11	23 2	9 16	5 7	24 50	1 43	24 6	1 35	17 8	0 21	9 57	1 10	18 28	1 49	6 52	0 38	16 11
T 12	23 7	12 58	4 53	24 37	1 34	23 58	1 36	17 20	0 21	10 0	1 10	18 29	1 49	6 53	0 38	16 11
F 13	23 11	16 9	4 26	24 23	1 24	23 50	1 37	17 32	0 20	10 4	1 10	18 30	1 49	6 54	0 38	16 11
S 14	23 15	18 40	3 48	24 9	1 12	23 40	1 38	17 43	0 20	10 7	1 10	18 32	1 49	6 54	0 38	16 10
S 15	23 18	20 24	2 59	23 53	1 0	23 30	1 39	17 54	0 19	10 11	1 10	18 33	1 49	6 55	0 38	16 10
M 16	23 21	21 14	2 3	23 37	0 46	23 20	1 40	18 5	0 19	10 14	1 10	18 34	1 49	6 56	0 38	16 10
T 17	23 23	21 7	1 1	23 21	0 30	23 8	1 41	18 16	0 18	10 17	1 11	18 36	1 49	6 57	0 38	16 9
W 18	23 25	20 0	0n 5	23 4	0 14	22 56	1 42	18 27	0 17	10 21	1 11	18 37	1 49	6 57	0 38	16 9
T 19	23 27	17 57	1 11	22 48	0n 4	22 43	1 43	18 38	0 17	10 24	1 11	18 38	1 50	6 58	0 38	16 9
F 20	23 28	15 3	2 15	22 32	0 22	22 29	1 44	18 49	0 16	10 27	1 11	18 40	1 50	6 59	0 38	16 8
S 21	23 28	11 23	3 14	22 15	0 42	22 15	1 44	18 59	0 16	10 30	1 11	18 41	1 50	7 0	0 38	16 8
S 22	23 28	7 7	4 5	22 0	1 1	22 0	1 45	19 9	0 15	10 33	1 11	18 42	1 50	7 0	0 38	16 8
M 23	23 28	2 24	4 44	21 44	1 21	21 45	1 45	19 19	0 14	10 37	1 11	18 44	1 50	7 1	0 38	16 8
T 24	23 27	2s35	5 8	21 30	1 41	21 29	1 46	19 29	0 14	10 40	1 12	18 45	1 50	7 2	0 38	16 7
W 25	23 26	7 34	5 14	21 16	1 59	21 12	1 46	19 39	0 13	10 43	1 12	18 46	1 50	7 2	0 38	16 7
T 26	23 24	12 15	5 0	21 3	2 16	20 55	1 46	19 49	0 13	10 46	1 12	18 47	1 50	7 3	0 38	16 7
F 27	23 22	16 18	4 26	20 51	2 32	20 37	1 47	19 58	0 12	10 48	1 12	18 49	1 50	7 3	0 38	16 7
S 28	23 19	19 20	3 34	20 40	2 45	20 18	1 47	20 8	0 11	10 51	1 12	18 50	1 50	7 4	0 38	16 6
S 29	23 15	21 1	2 26	20 31	2 56	19 59	1 47	20 17	0 11	10 54	1 12	18 51	1 50	7 4	0 38	16 6
M 30	23 12	21 11	1 8	20 23	3 5	19 40	1 47	20 26	0 10	10 57	1 12	18 52	1 50	7 5	0 38	16 6
T 31	23s 8	19s52	0s13	20s18	3n11	19s19	1s47	20s35	0n 9	11s 0	1n13	18s53	1n50	7s 5	0n38	16n 6

Julian Day Number = 2349611.5, Delta T = 10.00 sec  
 Ecliptic obliquity = 23°28'27", Nutation = - 0°00'16"  
 Ayanamsha: Fagan/Bradley = 20°50'40", Lahiri = 19°57'40"Greg. Calendar