

SWISS EPHEMERIS for the year 1420

JANUARY 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	7 13 19	18°51'28	15°54	3°13	11°16	28°51	1°R16	16°R19	8°15	20°R37	24°R32	1°R33	2°27	4°II	2	17°19
T 2	7 17 16	19°52'32	28°16	4°43	12°31	29°32	1°II13	16°II17	8°18	20°35	24°II31	1°20	2°23	4°8	17°24	
W 3	7 21 12	20°53'37	10°48	6°14	13°47	0°12	1°10	16°16	8°20	20°34	24°29	1°9	2°20	4°15	17°29	
T 4	7 25 9	21°54'40	23°30	7°45	15°2	0°53	1°7	16°14	8°23	20°32	24°28	1°0	2°17	4°22	17°35	
F 5	7 29 6	22°55'43	6°22	9°17	16°17	1°33	1°4	16°12	8°26	20°30	24°27	0°55	2°14	4°28	17°40	
S 6	7 33 2	23°56'45	19°26	10°50	17°33	2°14	1°2	16°10	8°28	20°28	24°26	0°52	2°11	4°35	17°45	
S 7	7 36 59	24°57'47	2°42	12°23	18°48	2°54	1°0	16°8	8°31	20°27	24°25	0°D52	2°8	4°42	17°51	
M 8	7 40 55	25°58'49	16°13	13°57	20°3	3°35	0°58	16°6	8°34	20°25	24°24	0°52	2°4	4°49	17°56	
T 9	7 44 52	26°59'49	0°11	15°31	21°19	4°15	0°56	16°4	8°36	20°23	24°23	0°R52	2°1	4°55	18°1	
W10	7 48 48	28°0'50	14°5	17°6	22°34	4°56	0°54	16°2	8°39	20°22	24°22	0°51	1°58	5°2	18°7	
T 11	7 52 45	29°1'49	28°26	18°41	23°50	5°36	0°53	15°59	8°42	20°20	24°21	0°48	1°55	5°9	18°12	
F 12	7 56 41	0°2'48	13°17	20°18	25°5	6°17	0°52	15°57	8°45	20°18	24°20	0°42	1°52	5°15	18°17	
S 13	8 0 38	1°3'47	27°45	21°55	26°20	6°57	0°51	15°54	8°48	20°17	24°19	0°34	1°48	5°22	18°22	
S 14	8 4 35	2°4'44	12°32	23°32	27°36	7°38	0°50	15°51	8°51	20°15	24°18	0°24	1°45	5°29	18°28	
M15	8 8 31	3°5'41	27°12	25°10	28°51	8°19	0°49	15°49	8°54	20°13	24°18	0°15	1°42	5°36	18°33	
T 16	8 12 28	4°6'36	11°38	26°49	0°6	8°59	0°49	15°46	8°57	20°12	24°17	0°6	1°39	5°42	18°38	
W17	8 16 24	5°7'31	25°45	28°29	1°21	9°40	0°D49	15°43	9°0	20°10	24°16	29°II59	1°36	5°49	18°43	
T 18	8 20 21	6°8'23	9°16	0°9	2°37	10°21	0°49	15°40	9°3	20°9	24°15	29°55	1°33	5°56	18°49	
F 19	8 24 17	7°9'15	22°42	1°51	3°52	11°1	0°49	15°37	9°6	20°7	24°14	29°53	1°29	6°2	18°54	
S 20	8 28 14	8°10'05	5°13	3°32	5°7	11°42	0°50	15°33	9°9	20°5	24°13	29°D52	1°26	6°9	18°59	
S 21	8 32 10	9°10'54	18°3	5°15	6°23	12°23	0°50	15°30	9°12	20°4	24°12	29°54	1°23	6°16	19°4	
M22	8 36 7	10°11'41	0°16	6°59	7°38	13°4	0°51	15°27	9°15	20°2	24°12	29°55	1°20	6°22	19°9	
T 23	8 40 4	11°12'26	12°15	8°43	8°53	13°44	0°52	15°23	9°18	20°1	24°11	29°R55	1°17	6°29	19°14	
W24	8 44 0	12°13'10	24°8	10°28	10°8	14°25	0°53	15°20	9°21	19°59	24°10	29°54	1°13	6°36	19°19	
T 25	8 47 57	13°13'53	5°II59	12°14	11°23	15°6	0°55	15°16	9°24	19°57	24°9	29°51	1°10	6°43	19°24	
F 26	8 51 53	14°14'33	17°52	14°0	12°39	15°47	0°57	15°13	9°27	19°56	24°8	29°46	1°7	6°49	19°29	
S 27	8 55 50	15°15'13	29°52	15°48	13°54	16°27	0°58	15°9	9°31	19°54	24°8	29°40	1°4	6°56	19°34	
S 28	8 59 46	16°15'50	12°1	17°36	15°9	17°8	1°0	15°5	9°34	19°53	24°7	29°32	1°1	7°3	19°39	
M29	9 3 43	17°16'26	24°23	19°25	16°24	17°49	1°3	15°1	9°37	19°52	24°7	29°24	0°58	7°9	19°44	
T 30	9 7 39	18°17'00	6°II58	21°14	17°39	18°30	1°5	14°57	9°40	19°50	24°6	29°16	0°54	7°16	19°49	
W31	9 11 36	19°17'33	19°II47	23°5	18°54	19°11	1°II	14°53	9°44	19°49	24°II	29°II	0°51	7°II23	19°54	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
M 1	22s11	17n44	4s51	24s11	0s43	23s31	0s29	19s36	0n22	19n50	0s40	7n22	2n8	9s11	0s45	21n27	0s29	18n0	5s24	0s37	0s58	16n34	16s5	6n22
T 2	22 2 16 11 4	29 24 15	0 50	23 27	0 31	19 46	0 22	19 49	0 39	7 23	2 8	9 10	0 45	21 27	0 29	18 0	5 24	0 32	0 57	16 35	16 4	6 22		
W 3	21 53 13 51 3	53 24 18	0 56	23 21	0 34	19 55	0 21	19 49	0 39	7 24	2 8	9 10	0 45	21 27	0 29	18 0	5 24	0 27	0 56	16 36	16 3	6 22		
T 4	21 43 10 49 3	5 24 19	1 2	23 15	0 36	20 4	0 20	19 49	0 39	7 25	2 8	9 9	0 45	21 28	0 29	18 0	5 24	0 24	0 55	16 36	16 2	6 22		
F 5	21 33 7 15 2	6 24 19	1 8	23 9	0 38	20 13	0 20	19 48	0 39	7 26	2 8	9 7	0 45	21 28	0 29	18 0	5 24	0 22	0 53	16 37	16 2	6 22		
S 6	21 23 3 16 1	0 24 17	1 13	23 1	0 40	20 22	0 19	19 48	0 38	7 27	2 9	9 6	0 45	21 28	0 29	18 0	5 23	0 21	0 52	16 38	16 1	6 22		
S 7	21 12 0s56	0n10	24 14	1 19	22 53	0 42	20 30	0 18	19 48	0 38	7 28	2 9	9 5	0 45	21 28	0 29	18 1	5 23	0 21	0 51	16 39	16 0	6 22	
M 8	21 1 5 9 1	21 24 10	1 24	22 44	0 44	20 39	0 18	19 48	0 38	7 29	2 9	9 4	0 45	21 29	0 29	18 1	5 23	0 21	0 50	16 40	15 59	6 22		
T 9	20 49 9 11 2	29 24 4	1 29	22 35	0 46	20 47	0 17	19 48	0 38	7 30	2 10	9 3	0 45	21 29	0 29	18 1	5 23	0 21	0 48	16 40	15 59	6 22		
W10	20 37 12 47 3	29 23 57	1 33	22 25	0 48	20 55	0 16	19 47	0 37	7 31	2 10	9 2	0 45	21 29	0 29	18 1	5 23	0 20	0 47	16 41	15 58	6 22		
T 11	20 25 15 41 4	17 23 49	1 38	22 14	0 50	21 3	0 15	19 47	0 37	7 32	2 10	9 1	0 45	21 29	0 29	18 1	5 23	0 19	0 46	16 42	15 57	6 22		
F 12	20 12 17 38 4	50 23 39	1 42	22 2	0 52	21 11	0 15	19 47	0 37	7 34	2 10	9 0	0 45	21 30	0 29	18 1	5 23	0 17	0 45	16 43	15 56	6 23		
S 13	19 59 18 26 5	4 23 27	1 45	21 50	0 54	21 18	0 14	19 47	0 37	7 35	2 11	8 59	0 44	21 30	0 29	18 1	5 23	0 13	0 43	16 43	15 56	6 23		
S 14	19 45 17 59 4	58 23 14	1 49	21 37	0 56	21 26	0 13	19 48	0 36	7 36	2 11	8 58	0 44	21 30	0 29	18 1	5 22	0 10	0 42	16 44	15 55	6 23		
M15	19 31 16 20 4	32 23 0	1 52	21 34	0 58	21 33	0 13	19 48	0 36	7 37	2 11	8 57	0 44	21 31	0 29	18 1	5 22	0 6	0 41	16 45	15 54	6 23		
T 16	19 17 13 41 3	49 22 44	1 55	21 9	0 59	21 40	0 12	19 48	0 36	7 39	2 11	8 56	0 44	21 31	0 29	18 1	5 22	0 2	0 39	16 46	15 53	6 23		
W17	19 3 10 16 2	52 22 26	1 57	20 55	1 1	21 47	0 11	19 48	0 36	7 40	2 12	8 54	0 44	21 31	0 29	18 1	5 22	0n0	0 38	16 47	15 52	6 23		
T 18	18 48 6 24 1	47 22 7	1 59	20 39	1 3	21 54	0 10	19 48	0 36	7 42	2 12	8 53	0 44	21 31	0 29	18 2	5 22	0 2	0 37	16 47	15 51	6 23		
F 19	18 32 2 19 0	38 21 47	2 1	20 23	1 4	22 0	0 10	19 48	0 35	7 43	2 12	8 52	0 44	21 32	0 29	18 2	5 22	0 3	0 36	16 48	15 51	6 24		
S 20	18 17 1n45	0s31	21 24	2 3	20 7	1 6	22 7	0 9	19 49	0 35	7 44	2 12	8 51	0 44	21 32	0 29	18 2	5 22	0 3	0 34	16 49	15 50	6 24	
S 21	18 1 5 37 1	36 21 1	2 4	19 49	1 7	22 13	0 8	19 49	0 35	7 46	2 12	8 50	0 44	21 32	0 29	18 2	5 22	0 3	0 33	16 50	15 49	6 24		
M22	17 45 9 10 2	36 20 35	2 4	19 32	1 9	22 19	0 7	19 50	0 35	7 47	2 13	8 49	0 44	21 32	0 29	18 2	5 21	0 2	0 32	16 50	15 48	6 24		
T 23	17 28 12 15 3	28 20 8	2 4	19 13	1 10	22 25	0 6	19 50	0 34	7 49	2 13	8 47	0 44	21 33	0 29	18 2	5 21	0 2	0 31	16 51	15 47	6 24		
W24	17 11 14 49 4	11 19 39	2 4	18 54	1 12	22 30	0 6	19 51	0 34	7 50	2 13	8 46	0 44	21 33	0 29	18 2	5 21	0 2	0 29	16 52	15 46	6 24		
T 25	16 54 16 44 4	4 219 9	2 3	18 35	1 13	22 36	0 5	19 51	0 34	7 52	2 13	8 45	0 44	21 33	0 29	18 2	5 21	0 3	0 28	16 53	15 45	6 25		
F 26	16 36 17 57 5	2 18 37	2 2	18 15	1 14	22 41	0 4	19 52	0 34	7 54	2 13	8 44	0 44	21 33	0 29	18 2	5 21	0 5	0 27	16 53	15 45	6 25		
S 27	16 19 18 22 5	8 18 4	2 0	17 54	1 15	22 46	0 3	19 52	0 33	7 55	2 14	8 43	0 44	21 34	0 29	18 3	5 21	0 8	0 26	16 54	15 44	6 25		
S 28	16 1 17 58 5	1 17 29	1 58	17 33	1 16	22 51	0 2	19 53	0 33	7 57	2 14	8 41	0 44	21 34	0 29	18 3	5 21	0 11	0 24	16 55	15 43	6 25		
M29	15 42 16 43 4	40 16 52	1 56	17 12	1 17	22 56	0 1	19 54	0 33	7 59	2 14	8 40	0 44	21 34	0 29	18 3	5 20	0 14	0 23	16 56	15 42	6 25		
T 30	15 24 14 38 4	5 16 14	1 52	16 50	1 18	23 0	0 1	19 54	0 33	8 0	2 14	8 39	0 44	21 34	0 29	18 3	5 20	0 18	0 22	16 56	15 41	6 26		
W31																								

SWISS EPHEMERIS for the year 1420

FEBRUARY 1420 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	9 15 33	20°18'04"	2°17'50"	24°55'	20°10'	19°51'	1°11'	14°49'	9°47'	19°47'	24°R 5	29°R 5	0°48'	7°30'	19°59'
F 2	9 19 29	21°18'33"	16° 4'	26°47'	21°25'	20°32'	1°14'	14°45'	9°50'	19°46'	24°II 4	29°II 2	0°45'	7°36'	20° 3'
S 3	9 23 26	22°19'01"	29°31'	28°39'	22°40'	21°13'	1°17'	14°41'	9°53'	19°44'	24° 3	29°D 1	0°42'	7°43'	20° 8'
S 4	9 27 22	23°19'28"	13° 8'	0°31'	23°55'	21°54'	1°20'	14°37'	9°57'	19°43'	24° 3	29° 2	0°39'	7°50'	20°13'
M 5	9 31 19	24°19'53"	26°54'	2°23'	25°10'	22°35'	1°24'	14°32'	10° 0'	19°42'	24° 2	29° 3	0°35'	7°56'	20°18'
T 6	9 35 15	25°20'17"	10°15'50"	4°16'	26°25'	23°16'	1°28'	14°28'	10° 3'	19°40'	24° 2	29° 5	0°32'	8° 3'	20°22'
W 7	9 39 12	26°20'39"	24°54'	6° 8'	27°40'	23°57'	1°32'	14°24'	10° 7'	19°39'	24° 1	29°R 6	0°29'	8°10'	20°27'
T 8	9 43 8	27°21'00"	9°17'6"	7°59'	28°55'	24°38'	1°36'	14°19'	10°10'	19°38'	24° 1	29° 5	0°26'	8°17'	20°31'
F 9	9 47 5	28°21'20"	23°22'	9°50'	29°50'	25°19'	1°40'	14°15'	10°14'	19°37'	24° 0	29° 3	0°23'	8°23'	20°36'
S 10	9 51 1	29°21'38"	7°34'41"	11°40'	1°25'	26° 0'	1°45'	14°10'	10°17'	19°35'	24° 0	29° 0	0°19'	8°30'	20°40'
S 11	9 54 58	0°31'55"	21°58'	13°29'	2°40'	26°41'	1°49'	14° 6'	10°20'	19°34'	24° 0	28°56'	0°16'	8°37'	20°45'
M 12	9 58 55	1°22'10"	6° 9'	15°16'	3°55'	27°22'	1°54'	14° 1'	10°24'	19°33'	23°59'	28°51'	0°13'	8°43'	20°49'
T 13	10 2 51	2°22'23"	20° 9'	17° 0'	5°10'	28° 3'	1°59'	13°57'	10°27'	19°32'	23°59'	28°47'	0°10'	8°50'	20°54'
W 14	10 6 48	3°22'35"	3°35'55"	18°42'	6°25'	28°44'	2° 4'	13°52'	10°31'	19°31'	23°59'	28°44'	0° 7'	8°57'	20°58'
T 15	10 10 44	4°22'45"	17°22'	20°21'	7°40'	29°25'	2°10'	13°47'	10°34'	19°30'	23°58'	28°43'	0° 4'	9° 4'	21° 2'
F 16	10 14 41	5°22'52"	0°17'29"	21°56'	8°55'	0°36'	2°15'	13°43'	10°37'	19°28'	23°58'	28°D42	0° 0'	9°10'	21° 6'
S 17	10 18 37	6°22'58"	13°17'	23°26'	10°10'	0°47'	2°21'	13°38'	10°41'	19°27'	23°58'	28°43'	29°17'57"	9°17'	21°11'
S 18	10 22 34	7°23'02"	25°47'	24°52'	11°25'	1°28'	2°27'	13°33'	10°44'	19°26'	23°57'	28°44'	29°54'	9°24'	21°15'
M 19	10 26 30	8°23'03"	8° 1'	26°12'	12°39'	2° 9'	2°33'	13°29'	10°48'	19°25'	23°57'	28°46'	29°51'	9°30'	21°19'
T 20	10 30 27	9°23'03"	20° 3'	27°26'	13°54'	2°50'	2°39'	13°24'	10°51'	19°24'	23°57'	28°47'	29°48'	9°37'	21°23'
W 21	10 34 24	10°23'00"	1°11'58"	28°34'	15° 9'	3°31'	2°45'	13°19'	10°55'	19°23'	23°57'	28°48'	29°45'	9°44'	21°27'
T 22	10 38 20	11°22'55"	13°50'	29°34'	16°24'	4°12'	2°52'	13°14'	10°58'	19°22'	23°57'	28°R49	29°41'	9°51'	21°31'
F 23	10 42 17	12°22'48"	25°44'	0°17'28"	17°39'	4°53'	2°59'	13°10'	11° 1'	19°22'	23°57'	28°48'	29°38'	9°57'	21°35'
S 24	10 46 13	13°22'39"	7°34'45"	1°13'	18°53'	5°34'	3° 5'	13° 5'	11° 5'	19°21'	23°56'	28°47'	29°35'	10° 4'	21°39'
S 25	10 50 10	14°22'27"	19°57'	1°51'	20° 8'	6°15'	3°12'	13° 0'	11° 8'	19°20'	23°56'	28°45'	29°32'	10°11'	21°42'
M 26	10 54 6	15°22'13"	2°12'23"	2°20'	21°23'	6°56'	3°20'	12°55'	11°12'	19°19'	23°56'	28°43'	29°29'	10°17'	21°46'
T 27	10 58 3	16°21'57"	15° 7'	2°40'	22°38'	7°37'	3°27'	12°51'	11°15'	19°18'	23°56'	28°41'	29°25'	10°24'	21°50'
W 28	11 1 59	17°21'39"	28° 9'	2°52'	23°52'	8°18'	3°34'	12°46'	11°19'	19°18'	23°D56	28°40'	29°22'	10°31'	21°53'
T 29	11 5 56	18°21'19"	11°17'29"	2°R56	25°31'7"	8°35'9"	3°II42	12°17'41"	11°31'22"	19°17'17"	23°II56	28°17'39"	29°17'19"	10°II38	21°35'7"

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s46	8n22	2s18	14s53	1s44	16s 5	1s20	23s 9	0s 1	19n56	0s32	8n 4	2n15	8s36	0s44	21n35	0s29	18n 3	5s20	0n22	0s19	16n58	15s39	6n26
F 2	14 26	4 26	1 10	14 11	1 39	15 41	1 21	23 12	0 2	19 57	0 32	8 6	2 15	8 35	0 44	21 35	0 28	18 3	5 20	0 23	0 18	16 58	15 38	6 26
S 3	14 7	0 14	0n 3	13 27	1 34	15 17	1 22	23 16	0 3	19 58	0 32	8 7	2 15	8 34	0 44	21 35	0 28	18 3	5 20	0 23	0 17	16 59	15 37	6 27
S 4	13 47	4s 2	1 16	12 41	1 28	14 53	1 23	23 20	0 4	19 58	0 32	8 9	2 15	8 33	0 44	21 35	0 28	18 4	5 19	0 23	0 15	17 0	15 36	6 27
M 5	13 27	8 8	2 26	11 55	1 21	14 29	1 23	23 23	0 5	19 59	0 31	8 11	2 15	8 31	0 44	21 36	0 28	18 4	5 19	0 23	0 14	17 1	15 35	6 27
T 6	13 7	11 49	3 28	11 7	1 13	14 4	1 24	23 26	0 6	20 0	0 31	8 13	2 15	8 30	0 44	21 36	0 28	18 4	5 19	0 22	0 13	17 1	15 34	6 28
W 7	12 46	14 52	4 19	10 18	1 5	13 38	1 24	23 29	0 7	20 1	0 31	8 15	2 15	8 29	0 44	21 36	0 28	18 4	5 19	0 22	0 12	17 2	15 33	6 28
T 8	12 26	17 2	4 54	9 28	0 56	13 13	1 25	23 32	0 8	20 2	0 31	8 16	2 16	8 27	0 44	21 36	0 28	18 4	5 19	0 22	0 10	17 3	15 33	6 28
F 9	12 5	18 10	5 11	8 38	0 47	12 46	1 25	23 34	0 8	20 4	0 31	8 18	2 16	8 26	0 44	21 36	0 28	18 4	5 19	0 23	0 9	17 3	15 32	6 28
S 10	11 44	18 9	5 9	7 47	0 37	12 20	1 25	23 36	0 9	20 5	0 30	8 20	2 16	8 25	0 44	21 37	0 28	18 4	5 18	0 24	0 8	17 4	15 31	6 29
S 11	11 23	16 59	4 48	6 55	0 26	11 53	1 26	23 39	0 10	20 6	0 30	8 22	2 16	8 24	0 44	21 37	0 28	18 5	5 18	0 26	0 7	17 5	15 30	6 29
M 12	11 1	14 46	4 9	6 3	0 15	11 26	1 26	23 40	0 11	20 7	0 30	8 24	2 16	8 22	0 44	21 37	0 28	18 5	5 18	0 27	0 5	17 5	15 29	6 29
T 13	10 40	11 43	3 16	5 12	0 3	10 59	1 26	23 42	0 12	20 8	0 30	8 26	2 16	8 21	0 44	21 37	0 28	18 5	5 18	0 29	0 4	17 6	15 28	6 30
W 14	10 18	8 3	2 12	4 20	0n 9	10 31	1 26	23 44	0 13	20 9	0 30	8 28	2 16	8 20	0 44	21 37	0 28	18 5	5 18	0 30	0 3	17 7	15 27	6 30
T 15	9 56	4 3	1 2	3 30	0 22	10 3	1 26	23 45	0 14	20 11	0 29	8 30	2 16	8 18	0 44	21 38	0 28	18 5	5 18	0 31	0 1	17 8	15 26	6 30
F 16	9 34	0n 3	0s10	2 40	0 35	9 35	1 26	23 46	0 15	20 12	0 29	8 31	2 17	8 17	0 44	21 38	0 28	18 5	5 17	0 31	0 0	17 8	15 25	6 31
S 17	9 12	4 2	1 19	1 52	0 49	9 6	1 26	23 47	0 16	20 13	0 29	8 33	2 17	8 16	0 44	21 38	0 28	18 5	5 17	0 31	0n 1	17 9	15 24	6 31
S 18	8 49	7 46	2 24	1 5	1 3	8 38	1 26	23 48	0 17	20 15	0 29	8 35	2 17	8 14	0 44	21 38	0 28	18 6	5 17	0 30	0 2	17 10	15 23	6 31
M 19	8 27	11 4	3 20	0 21	1 17	8 9	1 26	23 48	0 18	20 16	0 29	8 37	2 17	8 13	0 44	21 38	0 28	18 6	5 17	0 30	0 4	17 10	15 22	6 32
T 20	8 5	13 51	4 7	0n22	1 30	7 40	1 25	23 48	0 19	20 17	0 28	8 39	2 17	8 12	0 44	21 38	0 28	18 6	5 17	0 29	0 5	17 11	15 21	6 32
W 21	7 42	16 1	4 42	1 1	1 44	7 10	1 25	23 48	0 20	20 19	0 28	8 41	2 17	8 11	0 44	21 39	0 28	18 6	5 17	0 29	0 6	17 12	15 20	6 32
T 22	7 19	17 29	5 5	1 38	1 58	6 41	1 25	23 48	0 21	20 20	0 28	8 43	2 17	8 9	0 44	21 39	0 28	18 6	5 16	0 28	0 7	17 12	15 19	6 33
F 23	6 56	18 11	5 15	2 11	2 11	6 11	1 24	23 48	0 23	20 22	0 28	8 45	2 17	8 8	0 44	21 39	0 28	18 6	5 16	0 29	0 9	17 13	15 18	6 33
S 24	6 33	18 6	5 12	2 41	2 24	5 41	1 23	23 47	0 24	20 23	0 28	8 47	2 17	8 7	0 44	21 39	0 28	18 7	5 16	0 29	0 10	17 14	15 17	6 34
S 25	6 10	17 10	4 55	3 7	2 36	5 11	1 23	23 47	0 25	20 25	0 27	8 49	2 17	8 5	0 44	21 39	0 28	18 7	5 16	0 30	0 11	17 14	15 16	6 34
M 26	5 47	15 25	4 23	3 29	2 48	4 41	1 22	23 46	0 26	20 26	0 27	8 50	2 17	8 4	0 44	21 39	0 28	18 7	5 16	0 31	0 13	17 15	15 15	6 34
T 27	5 24	12 52	3 38	3 47	2 58	4 11	1 21	23 44	0 27	20 28	0 27	8 52	2 17	8 3	0 44	21 39	0 28	18 7	5 16	0 31	0 14	17 16	15 14	6 35
W 28	5 0	9 38	2 41	4 1	3 7	3 40	1 21	23 43	0 28	20 30	0 27	8 54	2 17	8 1	0 44	21 40	0 28	18 7	5 15	0 32	0 15	17 16	15 13	6 35
T 29	4s37	5n50	1s34	4n 9	3n16	3s10	1s20	23s41	0s29	20n31	0s27	8n56	2n17	8s 0	0s44	21n40	0s28	18n 7	5s15	0n32	0n16	17n17	15s12	6n36

Julian Day Number = 2239743.5, Delta T = 290.69 sec

Ecliptic obliquity = 23°30'43", Nutation = 0°00'02"

Ayanamsha: Fagan/Bradley = 16°39'02", Lahiri = 15°46'02" Julian Calendar 1

SWISS EPHEMERIS for the year 1420

MARCH 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	11 9 53	19°20'56	25°17' 7	2°R51	26°K22	9°Z40	3°II49	12°R36	11°K25	19°R16	23°II56	28°D38	29°16	10°II44	22°Z 0
S 2	11 13 49	20°20'32	9°Z 0	2°Y39	27°36	10°21	3°57	12°13	11°29	19°E16	23°56	28°13	29°13	10°51	22° 4
S 3	11 17 46	21°20'06	23° 5	2°19	28°51	11° 2	4° 5	12°27	11°32	19°15	23°56	28°39	29°10	10°58	22° 7
M 4	11 21 42	22°19'37	7°11.19	1°51	0°Y 5	11°44	4°13	12°22	11°36	19°14	23°57	28°39	29° 6	11° 4	22°11
T 5	11 25 39	23°19'07	21°36	1°18	1°20	12°25	4°22	12°18	11°39	19°14	23°57	28°40	29° 3	11°11	22°14
W 6	11 29 35	24°18'36	5°M54	0°39	2°34	13° 6	4°30	12°13	11°42	19°13	23°57	28°40	29° 0	11°18	22°17
T 7	11 33 32	25°18'02	20°10	29°K55	3°49	13°47	4°38	12° 9	11°46	19°13	23°57	28°R40	28°57	11°25	22°20
F 8	11 37 28	26°17'27	4°Z20	29° 8	5° 3	14°28	4°47	12° 4	11°49	19°12	23°57	28°40	28°54	11°31	22°23
S 9	11 41 25	27°16'50	18°23	28°18	6°18	15° 9	4°56	11°59	11°53	19°12	23°57	28°40	28°50	11°38	22°27
S 10	11 45 21	28°16'11	2°Z17	27°27	7°32	15°50	5° 5	11°55	11°56	19°11	23°58	28°D40	28°47	11°45	22°29
M11	11 49 18	29°15'31	16° 0	26°35	8°47	16°31	5°14	11°51	11°59	19°11	23°58	28°40	28°44	11°51	22°32
T 12	11 53 15	0°Y14'48	29°32	25°44	10° 1	17°12	5°23	11°46	12° 3	19°11	23°58	28°40	28°41	11°58	22°35
W13	11 57 11	1°14'04	12°K50	24°54	11°15	17°53	5°32	11°42	12° 6	19°10	23°58	28°41	28°38	12° 5	22°38
T 14	12 1 8	2°13'17	25°55	24° 7	12°30	18°35	5°41	11°37	12° 9	19°10	23°59	28°R41	28°35	12°12	22°41
F 15	12 5 4	3°12'29	8°Y45	23°23	13°44	19°16	5°51	11°33	12°12	19°10	23°59	28°41	28°31	12°18	22°43
S 16	12 9 1	4°11'38	21°21	22°43	14°58	19°57	6° 1	11°29	12°16	19°10	24° 0	28°40	28°28	12°25	22°46
S 17	12 12 57	5°10'45	3°Z44	22° 8	16°13	20°38	6°10	11°25	12°19	19°10	24° 0	28°40	28°25	12°32	22°49
M18	12 16 54	6° 9'50	15°55	21°37	17°27	21°19	6°20	11°21	12°22	19° 9	24° 0	28°39	28°22	12°38	22°51
T 19	12 20 50	7° 8'53	27°56	21°11	18°41	22° 0	6°30	11°17	12°25	19° 9	24° 1	28°38	28°19	12°45	22°53
W20	12 24 47	8° 7'54	9°II51	20°51	19°55	22°41	6°40	11°13	12°28	19° 9	24° 1	28°36	28°16	12°52	22°56
T 21	12 28 44	9° 6'52	21°43	20°36	21°10	23°22	6°50	11° 9	12°32	19° 9	24° 2	28°35	28°12	12°59	22°58
F 22	12 32 40	10° 5'49	3°E37	20°27	22°24	24° 3	7° 0	11° 5	12°35	19°D 9	24° 2	28°35	28° 9	13° 5	23° 0
S 23	12 36 37	11° 4'42	15°37	20°D23	23°38	24°44	7°11	11° 1	12°38	19° 9	24° 3	28°D35	28° 6	13°12	23° 2
S 24	12 40 33	12° 3'34	27°48	20°25	24°52	25°25	7°21	10°57	12°41	19° 9	24° 3	28°35	28° 3	13°19	23° 4
M25	12 44 30	13° 2'23	10°Z13	20°31	26° 6	26° 6	7°32	10°54	12°44	19° 9	24° 4	28°36	28° 0	13°25	23° 6
T 26	12 48 26	14° 1'10	22°58	20°43	27°20	26°47	7°42	10°50	12°47	19°10	24° 5	28°38	27°56	13°32	23° 8
W27	12 52 23	14°59'55	6°11.5	21° 0	28°34	27°28	7°53	10°47	12°50	19°10	24° 5	28°39	27°53	13°39	23°10
T 28	12 56 19	15°58'37	19°35	21°22	29°48	28° 9	8° 4	10°43	12°53	19°10	24° 6	28°40	27°50	13°46	23°12
F 29	13 0 16	16°57'18	3°Z29	21°48	1° 2	28°49	8°15	10°40	12°56	19°10	24° 6	28°R40	27°47	13°52	23°14
S 30	13 4 13	17°55'56	17°44	22°18	2°16	29°30	8°26	10°37	12°59	19°10	24° 7	28°39	27°44	13°59	23°15
S 31	13 8 9	18°Y54'32	2°11.5	22°K53	3°Z30	0°Z11	8°II37	10°13	13°K 2	19°E11	24°II 8	28°13	27°41	14°II 6	23°Z17

Day	☉			☽			♀			♁			♂			♃			♅			♁			♁			♁			♁					
	decl	decl	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat						
F 1	4s14	1n39	0s19	4n14	3n22	2s39	1s19	23s40	0s30	20n33	0s26	8n58	2n18	7s59	0s44	21n40	0s28	18n 8	5s15	0n33	0n18	17n18	15s11	6n36												
S 2	3 50	2s42	0m57	4 14	3 28	2 9	1 18	23 38	0 31	20 34	0 26	9 0	2 18	7 57	0 44	21 40	0 28	18 8	5 15	0 33	0 19	17 18	15 10	6 36												
S 3	3 27	6 58	2 11	4 9	3 31	1 38	1 17	23 36	0 33	20 36	0 26	9 2	2 18	7 56	0 44	21 40	0 28	18 8	5 15	0 32	0 20	17 19	15 9	6 37												
M 4	3 3	10 52	3 18	4 0	3 33	1 7	1 16	23 33	0 34	20 38	0 26	9 3	2 18	7 55	0 44	21 40	0 28	18 8	5 15	0 32	0 21	17 19	15 9	6 37												
T 5	2 40	14 8	4 13	3 47	3 33	0 36	1 14	23 31	0 35	20 40	0 26	9 5	2 18	7 54	0 44	21 40	0 28	18 8	5 14	0 32	0 23	17 20	15 8	6 38												
W 6	2 16	16 33	4 53	3 30	3 32	0 6	1 13	23 28	0 36	20 41	0 25	9 7	2 18	7 52	0 44	21 40	0 28	18 9	5 14	0 32	0 24	17 21	15 7	6 38												
T 7	1 52	17 56	5 16	3 9	3 28	0m25	1 12	23 25	0 37	20 43	0 25	9 9	2 18	7 51	0 44	21 40	0 28	18 9	5 14	0 32	0 25	17 21	15 6	6 39												
F 8	1 29	18 11	5 14	2 45	3 23	0 56	1 11	23 22	0 38	20 45	0 25	9 10	2 18	7 50	0 44	21 41	0 28	18 9	5 14	0 32	0 26	17 22	15 5	6 39												
S 9	1 5	17 19	4 59	2 19	3 16	1 27	1 9	23 18	0 40	20 46	0 25	9 12	2 18	7 48	0 44	21 41	0 28	18 9	5 14	0 32	0 28	17 23	15 4	6 40												
S 10	0 41	15 25	4 24	1 51	3 7	1 58	1 8	23 15	0 41	20 48	0 25	9 14	2 18	7 47	0 44	21 41	0 28	18 9	5 13	0 32	0 29	17 23	15 3	6 40												
M11	0 18	12 40	3 35	1 21	2 57	2 29	1 6	23 11	0 42	20 50	0 25	9 16	2 18	7 46	0 44	21 41	0 28	18 9	5 13	0 32	0 30	17 24	15 2	6 41												
T 12	0n 6	9 15	2 35	0 50	2 45	2 59	1 5	23 7	0 43	20 52	0 24	9 17	2 18	7 45	0 44	21 41	0 28	18 10	5 13	0 32	0 32	17 24	15 1	6 41												
W13	0 30	5 25	1 27	0 18	2 32	3 30	1 3	23 3	0 45	20 54	0 24	9 19	2 18	7 43	0 44	21 41	0 28	18 10	5 13	0 32	0 33	17 25	15 0	6 41												
T 14	0 53	1 24	0 15	0s13	2 19	4 1	1 1	22 59	0 46	20 55	0 24	9 21	2 17	7 42	0 44	21 41	0 28	18 10	5 13	0 32	0 34	17 26	14 59	6 42												
F 15	1 17	2n38	0s56	0 44	2 4	4 31	1 0	22 54	0 47	20 57	0 24	9 22	2 17	7 41	0 44	21 41	0 27	18 10	5 13	0 32	0 35	17 26	14 58	6 42												
S 16	1 40	6 28	2 2	1 14	1 49	5 2	0 58	22 49	0 48	20 59	0 24	9 24	2 17	7 40	0 44	21 41	0 27	18 10	5 12	0 32	0 37	17 27	14 57	6 43												
S 17	2 4	9 56	3 2	1 43	1 33	5 32	0 56	22 44	0 50	21 1	0 24	9 25	2 17	7 38	0 44	21 41	0 27	18 11	5 12	0 32	0 38	17 27	14 57	6 43												
M18	2 27	12 56	3 53	2 9	1 17	6 2	0 54	22 39	0 51	21 3	0 23	9 27	2 17	7 37	0 44	21 41	0 27	18 11	5 12	0 32	0 39	17 28	14 56	6 44												
T 19	2 51	15 20	4 32	2 34	1 1	6 32	0 52	22 34	0 52	21 5	0 23	9 28	2 17	7 36	0 44	21 41	0 27	18 11	5 12	0 33	0 40	17 29	14 55	6 44												

SWISS EPHEMERIS for the year 1420

APRIL 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	13 12 6	19°53'07	16♐57	23♋31	4♌44	0♍52	8♎48	10°R30	13♏ 5	19♐11	24♑ 8	28°R35	27♒37	14♓12	23♔18	
T 2	13 16 2	20°51'39	1♌42	24°13	5°58	1°33	8°59	10°R27	13° 8	19°11	24° 9	28°R32	27°34	14°19	23°20	
W 3	13 19 59	21°50'10	16°23	24°59	7°12	2°14	9°11	10°24	13°11	19°12	24°10	28°29	27°31	14°26	23°21	
T 4	13 23 55	22°48'40	0♌54	25°49	8°25	2°55	9°22	10°21	13°14	19°12	24°11	28°27	27°28	14°33	23°22	
F 5	13 27 52	23°47'08	15°11	26°41	9°39	3°35	9°33	10°18	13°17	19°13	24°12	28°25	27°25	14°39	23°23	
S 6	13 31 48	24°45'34	29°11	27°37	10°53	4°16	9°45	10°16	13°19	19°13	24°12	28°D25	27°22	14°46	23°25	
S 7	13 35 45	25°43'58	12♍54	28°36	12° 7	4°57	9°57	10°13	13°22	19°14	24°13	28°26	27°18	14°53	23°26	
M 8	13 39 41	26°42'21	26°19	29°37	13°20	5°38	10° 8	10°11	13°25	19°14	24°14	28°27	27°15	15° 0	23°27	
T 9	13 43 38	27°40'43	9♋29	0♌42	14°34	6°18	10°20	10° 8	13°27	19°15	24°15	28°29	27°12	15° 6	23°27	
W10	13 47 35	28°39'02	22°24	1°49	15°48	6°59	10°32	10° 6	13°30	19°16	24°16	28°R30	27° 9	15°13	23°28	
T 11	13 51 31	29°37'20	5♌ 7	2°58	17° 1	7°40	10°44	10° 3	13°33	19°16	24°17	28°30	27° 6	15°20	23°29	
F 12	13 55 28	0♌35'37	17°38	4°10	18°15	8°20	10°56	10° 1	13°35	19°17	24°18	28°28	27° 2	15°26	23°30	
S 13	13 59 24	1°33'51	29°59	5°25	19°28	9° 1	11° 8	9°59	13°38	19°18	24°19	28°25	26°59	15°33	23°30	
S 14	14 3 21	2°32'04	12♌11	6°42	20°42	9°41	11°20	9°57	13°41	19°18	24°20	28°21	26°56	15°40	23°31	
M15	14 7 17	3°30'15	24°15	8° 1	21°56	10°22	11°32	9°55	13°43	19°19	24°20	28°15	26°53	15°47	23°31	
T 16	14 11 14	4°28'25	6♐12	9°22	23° 9	11° 2	11°45	9°54	13°45	19°20	24°21	28° 8	26°50	15°53	23°32	
W17	14 15 10	5°26'32	18° 6	10°45	24°23	11°42	11°57	9°52	13°48	19°21	24°22	28° 1	26°47	16° 0	23°32	
T 18	14 19 7	6°24'38	29° 57	12°11	25°36	12°23	12° 9	9°50	13°50	19°22	24°24	27°56	26°43	16° 7	23°32	
F 19	14 23 4	7°22'42	11♌50	13°39	26°49	13° 3	12°22	9°49	13°53	19°23	24°25	27°51	26°40	16°13	23°32	
S 20	14 27 0	8°20'43	23°49	15° 8	28° 3	13°43	12°34	9°47	13°55	19°24	24°26	27°48	26°37	16°20	23°R32	
S 21	14 30 57	9°18'43	5♌56	16°40	29°16	14°24	12°47	9°46	13°57	19°25	24°27	27°D47	26°34	16°27	23°32	
M22	14 34 53	10°16'41	18°19	18°14	0♐29	15° 4	12°59	9°45	14° 0	19°26	24°28	27°47	26°31	16°34	23°32	
T 23	14 38 50	11°14'38	1♐ 0	19°50	1°43	15°44	13°12	9°44	14° 2	19°27	24°29	27°48	26°27	16°40	23°32	
W24	14 42 46	12°12'32	14° 4	21°28	2°56	16°24	13°25	9°43	14° 4	19°28	24°30	27°50	26°24	16°47	23°32	
T 25	14 46 43	13°10'24	27°34	23° 8	4° 9	17° 4	13°37	9°42	14° 6	19°29	24°31	27°R50	26°21	16°54	23°32	
F 26	14 50 39	14° 8'15	11♌32	24°50	5°22	17°44	13°50	9°41	14° 8	19°30	24°32	27°49	26°18	17° 1	23°31	
S 27	14 54 36	15° 6'04	25°57	26°34	6°36	18°24	14° 3	9°40	14°10	19°31	24°33	27°47	26°15	17° 7	23°31	
S 28	14 58 33	16° 3'52	10♐45	28°20	7°49	19° 3	14°16	9°40	14°12	19°32	24°35	27°42	26°12	17°14	23°30	
M29	15 2 29	17°1'38	25°47	0♋ 8	9° 2	19°43	14°29	9°39	14°14	19°33	24°36	27°35	26° 8	17°21	23°30	
T 30	15 6 26	17°8'59	10♌56	1♌58	10♐15	20°23	14°42	9°39	14°16	19°35	24°37	27°R28	26°R 5	17°R27	23°R29	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
M 1	7n48	13s11	3n55	4s15	1s50	12n45	0s24	21s10	1s10	21n29	0s21	9n45	2n16	7s21	0s44	21n41	0s27	18n13	5s10	0n34	0n57	17n36	14s44	6n51
T 2	8 10	15 59	4 41	4 7	1 58	13 12	0 22	21 2	1 12	21 31	0 21	9 46	2 16	7 20	0 44	21 41	0 27	18 14	5 10	0 35	0 58	17 37	14 43	6 52
W 3	8 32	17 43	5 7	3 56	2 6	13 39	0 20	20 55	1 13	21 33	0 21	9 47	2 16	7 19	0 44	21 41	0 27	18 14	5 9	0 36	0 59	17 37	14 43	6 52
T 4	8 54	18 17	5 14	3 43	2 14	14 5	0 17	20 47	1 15	21 35	0 21	9 48	2 16	7 18	0 45	21 41	0 27	18 14	5 9	0 37	1 1	17 38	14 42	6 53
F 5	9 16	17 40	5 1	3 28	2 21	14 31	0 15	20 39	1 16	21 37	0 21	9 49	2 16	7 17	0 45	21 41	0 27	18 14	5 9	0 38	1 2	17 38	14 41	6 53
S 6	9 37	15 58	4 30	3 11	2 27	14 57	0 12	20 30	1 18	21 38	0 21	9 50	2 16	7 16	0 45	21 41	0 27	18 14	5 9	0 38	1 3	17 39	14 41	6 54
S 7	9 58	13 24	3 45	2 53	2 32	15 22	0 10	20 22	1 19	21 40	0 20	9 51	2 15	7 15	0 45	21 41	0 27	18 15	5 9	0 37	1 4	17 39	14 40	6 54
M 8	10 20	10 9	2 47	2 33	2 37	15 47	0 7	20 13	1 21	21 42	0 20	9 52	2 15	7 14	0 45	21 41	0 27	18 15	5 9	0 37	1 6	17 40	14 39	6 55
T 9	10 41	6 27	1 42	2 11	2 41	16 11	0 5	20 5	1 22	21 44	0 20	9 53	2 15	7 12	0 45	21 41	0 27	18 15	5 9	0 36	1 7	17 41	14 39	6 55
W10	11 2	2 31	0 33	1 47	2 44	16 35	0 2	19 56	1 24	21 46	0 20	9 53	2 15	7 11	0 45	21 41	0 27	18 15	5 8	0 36	1 8	17 41	14 38	6 56
T 11	11 22	1n29	0s36	1 22	2 47	16 59	0n 0	19 47	1 25	21 48	0 20	9 54	2 15	7 10	0 45	21 41	0 27	18 15	5 8	0 36	1 10	17 42	14 37	6 56
F 12	11 43	5 22	1 43	0 55	2 49	17 22	0 3	19 38	1 27	21 50	0 20	9 55	2 15	7 10	0 45	21 41	0 27	18 15	5 8	0 37	1 11	17 42	14 37	6 57
S 13	12 3	8 57	2 43	0 27	2 51	17 45	0 6	19 29	1 28	21 51	0 20	9 55	2 15	7 9	0 45	21 41	0 27	18 16	5 8	0 38	1 12	17 43	14 36	6 58
S 14	12 23	12 7	3 36	0n 2	2 52	18 7	0 8	19 19	1 30	21 53	0 19	9 56	2 15	7 8	0 45	21 41	0 27	18 16	5 8	0 40	1 13	17 43	14 35	6 58
M15	12 43	14 43	4 18	0 33	2 52	18 29	0 11	19 10	1 31	21 55	0 19	9 57	2 14	7 7	0 45	21 41	0 27	18 16	5 8	0 42	1 15	17 44	14 35	6 59
T 16	13 3	16 41	4 48	1 5	2 52	18 50	0 13	19 0	1 33	21 57	0 19	9 57	2 14	7 6	0 45	21 40	0 27	18 16	5 8	0 45	1 16	17 44	14 34	6 59
W17	13 23	17 54	5 5	1 39	2 51	19 11	0 16	18 50	1 35	21 59	0 19	9 58	2 14	7 5	0 45	21 40	0 27	18 16	5 7	0 47	1 17	17 45	14 34	7 0
T 18	13 42	18 21	5 10	2 14	2 50	19 31	0 18	18 41	1 36	22 0	0 19	9 58	2 14	7 4	0 45	21 40	0 27	18 17	5 7	0 50	1 18	17 45	14 33	7 0
F 19	14 1	17 59	5 1	2 50	2 48	19 51	0 21	18 31	1 38	22 2	0 19	9 59	2 14	7 3	0 45	21 40	0 27	18 17	5 7	0 51	1 20	17 46	14 32	7 1
S 20	14 20	16 50	4 39	3 27	2 45	20 10	0 24	18 21	1 39	22 4	0 19	9 59	2 14	7 2	0 45	21 40	0 27	18 17	5 7	0 53	1 21	17 46	14 32	7 1
S 21	14 38	14 54	4 4	4 5	2 42	20 29	0 26	18 10	1 41	22 6	0 19	9 59	2 13	7 1	0 45	21 40	0 27	18 17	5 7	0 53	1 22	17 47	14 31	7 2
M22	14 57	12 15	3 18	4 44	2 38	20 47	0 29	18 0	1 43	22 7	0 18	10 0	2 13	7 0	0 45	21 40	0 26	18 17	5 7	0 53	1 23	17 47	14 31	7 2
T 23	15 15	8 58	2 20	5 24	2 34	21 5	0 31	17 50	1 44	22 9	0 18	10 0	2 13	7 0	0 45	21 40	0 26	18 17	5 7	0 53	1 25	17 48	14 30	7 3
W24	15 33	5 9	1 14	6 5	2 29	21 22	0 34	17 39	1 46	22 11	0 18	10 0	2 13	6 59	0 45	21 40	0 26	18 18	5 6	0 52	1 26	17 48	14 30	7 3
T 25	15 50	0 57	0 1	6 47	2 24	21 38	0 36	17 29	1 48	22 12	0 18	10 0	2 13	6 58	0 45	21 39	0 26	18 18	5 6	0 52	1 27	17 49	14 29	7 4
F 26	16 8	3s27	1n13	7 30	2 28	21 54	0 39	17 18	1 49	22 14	0 18	10 0	2 13	6 57	0 45	21 39	0 26	18 18	5 6	0 52	1 29	17 49	14 29	7 4
S 27	16 25	7 47	2 26	8 14	2 12	22 9	0 41	17 7	1 51	22 16	0 18	10 1	2 12	6 56	0 45	21 39	0 26	18 18	5 6	0 53	1 30	17 50	14 28	7 5
S 28	16 42	11 46	3 30	8 58	2 5	22 24	0 44	16 56	1 53	22 17	0 18	10 1	2 12	6 56	0 45	21 39	0 26	18 18	5 6	0 55	1 31	17 50	14 28	7 6
M29	16 58	15 2	4 21	9 43	1 58	22 38	0 46	16 45	1 54	22 19	0 18	10 1	2 12	6 55	0 45	21 39	0 26	18 18	5 6	0 58</				

SWISS EPHEMERIS for the year 1420

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♂	♁
W 1	15 10 22	18♁57'06	26♁ 0	3♁50	11♁28	21♁ 3	14♁55	9°R39	14♁18	19♁36	24♁38	27°R21	26♁ 2	17♁34	23°R28
T 2	15 14 19	19°54'48	10♁51	5°44	12°41	21°42	15° 8	9♁39	14°20	19°37	24°39	27♁14	25°59	17°41	23♁28
F 3	15 18 15	20°52'30	25°22	7°40	13°54	22°22	15°21	9°D39	14°22	19°38	24°41	27°10	25°56	17°48	23°27
S 4	15 22 12	21°50'10	9♁29	9°38	15° 7	23° 1	15°34	9°39	14°24	19°40	24°42	27° 7	25°53	17°54	23°26
S 5	15 26 8	22°47'49	23°12	11°38	16°20	23°40	15°47	9°39	14°25	19°41	24°43	27°D 6	25°49	18° 1	23°25
M 6	15 30 5	23°45'27	6♁31	13°40	17°33	24°20	16° 0	9°39	14°27	19°43	24°44	27° 7	25°46	18° 8	23°24
T 7	15 34 2	24°43'04	19°29	15°43	18°45	24°59	16°14	9°39	14°29	19°44	24°46	27° 8	25°43	18°14	23°22
W 8	15 37 58	25°40'40	2°V10	17°49	19°58	25°38	16°27	9°40	14°30	19°45	24°47	27°R 8	25°40	18°21	23°21
T 9	15 41 55	26°38'15	14°37	19°55	21°11	26°17	16°40	9°40	14°32	19°47	24°48	27° 6	25°37	18°28	23°20
F 10	15 45 51	27°35'49	26°54	22° 4	22°24	26°56	16°54	9°41	14°33	19°48	24°50	27° 2	25°33	18°35	23°19
S 11	15 49 48	28°33'22	9♁ 2	24°13	23°36	27°35	17° 7	9°42	14°35	19°50	24°51	26°56	25°30	18°41	23°17
S 12	15 53 44	29°30'54	21° 3	26°23	24°49	28°14	17°20	9°43	14°36	19°51	24°52	26°47	25°27	18°48	23°16
M13	15 57 41	0♁28'26	3♁ 0	28°34	26° 2	28°52	17°34	9°44	14°38	19°53	24°54	26°36	25°24	18°55	23°14
T 14	16 1 37	1°25'56	14°54	0♁46	27°14	29°31	17°47	9°45	14°39	19°55	24°55	26°24	25°21	19° 2	23°12
W15	16 5 34	2°23'25	26°46	2°58	28°27	0♁ 9	18° 1	9°46	14°40	19°56	24°56	26°12	25°18	19° 8	23°11
T 16	16 9 31	3°20'52	8♁38	5°10	29°40	0°48	18°14	9°47	14°42	19°58	24°58	26° 1	25°14	19°15	23° 9
F 17	16 13 27	4°18'19	20°31	7°22	0♁52	1°26	18°28	9°48	14°43	19°59	24°59	25°51	25°11	19°22	23° 7
S 18	16 17 24	5°15'45	2♁30	9°33	2° 5	2° 4	18°41	9°50	14°44	20° 1	25° 0	25°44	25° 8	19°28	23° 5
S 19	16 21 20	6°13'09	14°38	11°43	3°17	2°42	18°55	9°51	14°45	20° 3	25° 2	25°40	25° 5	19°35	23° 3
M20	16 25 17	7°10'33	26°58	13°53	4°30	3°20	19° 8	9°53	14°46	20° 5	25° 3	25°38	25° 2	19°42	23° 1
T 21	16 29 13	8° 7'55	9♁35	16° 1	5°42	3°58	19°22	9°55	14°47	20° 6	25° 5	25°D38	24°59	19°49	22°59
W22	16 33 10	9° 5'16	22°34	18° 7	6°54	4°35	19°36	9°57	14°48	20° 8	25° 6	25°R38	24°55	19°55	22°57
T 23	16 37 6	10° 2'36	5♁59	20°12	8° 7	5°13	19°49	9°59	14°49	20°10	25° 8	25°38	24°52	20° 2	22°55
F 24	16 41 3	10°59'54	19°52	22°15	9°19	5°50	20° 3	10° 1	14°50	20°12	25° 9	25°36	24°49	20° 9	22°53
S 25	16 45 0	11°57'12	4♁14	24°16	10°31	6°27	20°16	10° 3	14°51	20°13	25°10	25°32	24°46	20°15	22°50
S 26	16 48 56	12°54'29	19° 3	26°15	11°43	7° 4	20°30	10° 5	14°52	20°15	25°12	25°25	24°43	20°22	22°48
M27	16 52 53	13°51'46	4♁12	28°12	12°55	7°41	20°44	10° 8	14°52	20°17	25°13	25°16	24°39	20°29	22°46
T 28	16 56 49	14°49'01	19°31	0♁ 7	14° 7	8°18	20°57	10°10	14°53	20°19	25°15	25° 6	24°36	20°36	22°43
W29	17 0 46	15°46'16	4♁49	1°59	15°19	8°55	21°11	10°13	14°54	20°21	25°16	24°55	24°33	20°42	22°41
T 30	17 4 42	16°43'31	19°55	3°49	16°31	9°31	21°25	10°15	14°54	20°23	25°18	24°46	24°30	20°49	22°38
F 31	17 8 39	17°40'45	4♁40	5♁37	17♁43	10♁ 8	21♁38	10♁18	14♁55	20♁25	25♁19	24♁39	24♁27	20♁56	22♁36

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♂	♁	♂									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	17n31	18s21	5n 7	11n14	1s42	23n 4	0n51	16s23	1s58	22n22	0s17	10n 1	2n12	6s54	0s45	21n39	0s26	18n19	5s 6	1n 4	1n35	17n52	14s27	7n 7
T 2	17 46	18 7	4 58	12 1	1 33	23 16	0 54	16 12	2 0	22 24	0 17	10 0	2 12	6 53	0 45	21 38	0 26	18 19	5 5	1 6	1 36	17 52	14 26	7 8
F 3	18 2	16 42	4 31	12 47	1 24	23 28	0 56	16 1	2 1	22 25	0 17	10 0	2 11	6 52	0 45	21 38	0 26	18 19	5 5	1 8	1 37	17 53	14 26	7 8
S 4	18 17	14 17	3 47	13 34	1 15	23 39	0 58	15 49	2 3	22 27	0 17	10 0	2 11	6 51	0 45	21 38	0 26	18 19	5 5	1 9	1 39	17 53	14 26	7 9
S 5	18 32	11 8	2 52	14 20	1 5	23 49	1 1	15 38	2 5	22 28	0 17	10 0	2 11	6 51	0 45	21 38	0 26	18 19	5 5	1 9	1 40	17 54	14 25	7 9
M 6	18 46	7 28	1 48	15 7	0 55	23 58	1 3	15 26	2 7	22 30	0 17	10 0	2 11	6 50	0 45	21 38	0 26	18 20	5 5	1 9	1 41	17 54	14 25	7 10
T 7	19 0	3 33	0 41	15 53	0 45	24 7	1 5	15 15	2 8	22 31	0 17	9 59	2 11	6 50	0 45	21 38	0 26	18 20	5 5	1 9	1 42	17 54	14 25	7 10
W 8	19 14	0m27	0s27	16 39	0 34	24 15	1 7	15 3	2 10	22 33	0 17	9 59	2 11	6 49	0 46	21 37	0 26	18 20	5 5	1 9	1 44	17 55	14 25	7 11
T 9	19 28	4 22	1 32	17 24	0 24	24 22	1 9	14 52	2 12	22 34	0 16	9 59	2 10	6 48	0 46	21 37	0 26	18 20	5 5	1 9	1 45	17 55	14 24	7 11
F 10	19 41	8 2	2 32	18 8	0 13	24 29	1 12	14 40	2 14	22 36	0 16	9 58	2 10	6 48	0 46	21 37	0 26	18 20	5 5	1 11	1 46	17 56	14 24	7 12
S 11	19 54	11 20	3 24	18 51	0 2	24 35	1 14	14 28	2 16	22 37	0 16	9 58	2 10	6 47	0 46	21 37	0 26	18 20	5 4	1 13	1 48	17 56	14 24	7 12
S 12	20 6	14 7	4 6	19 32	0n 8	24 40	1 16	14 16	2 17	22 38	0 16	9 57	2 10	6 47	0 46	21 37	0 26	18 21	5 4	1 17	1 49	17 57	14 24	7 12
M13	20 19	16 17	4 37	20 12	0 19	24 45	1 18	14 5	2 19	22 40	0 16	9 57	2 10	6 46	0 46	21 36	0 26	18 21	5 4	1 21	1 50	17 57	14 23	7 13
T 14	20 31	17 45	4 56	20 51	0 29	24 49	1 20	13 53	2 21	22 41	0 16	9 56	2 10	6 46	0 46	21 36	0 26	18 21	5 4	1 26	1 51	17 58	14 23	7 13
W15	20 42	18 26	5 2	21 27	0 39	24 52	1 22	13 41	2 23	22 42	0 16	9 56	2 9	6 45	0 46	21 36	0 26	18 21	5 4	1 31	1 53	17 58	14 23	7 14
T 16	20 53	18 19	4 55	22 1	0 49	24 54	1 23	13 29	2 25	22 44	0 16	9 55	2 9	6 45	0 46	21 36	0 26	18 21	5 4	1 35	1 54	17 58	14 23	7 14
F 17	21 4	17 24	4 35	22 33	0 58	24 56	1 25	13 17	2 27	22 45	0 16	9 54	2 9	6 44	0 46	21 35	0 26	18 21	5 4	1 39	1 55	17 59	14 23	7 15
S 18	21 15	15 43	4 3	23 3	1 7	24 57	1 27	13 5	2 29	22 46	0 15	9 54	2 9	6 44	0 46	21 35	0 26	18 21	5 4	1 42	1 56	17 59	14 23	7 15
S 19	21 25	13 19	3 19	23 30	1 15	24 57	1 29	12 53	2 30	22 48	0 15	9 53	2 9	6 44	0 46	21 35	0 26	18 22	5 4	1 44	1 58	18 0	14 22	7 16
M20	21 34	10 17	2 26	23 54	1 23	24 56	1 30	12 41	2 32	22 49	0 15	9 52	2 8	6 43	0 46	21 35	0 26	18 22	5 4	1 44	1 59	18 0	14 22	7 16
T 21	21 44	6 42	1 24	24 16	1 30	24 55	1 32	12 29	2 34	22 50	0 15	9 51	2 8	6 43	0 46	21 35	0 26	18 22	5 4	1 45	2 0	18 1	14 22	7 16
W22	21 53	2 43	0 16	24 35	1 36	24 53	1 33	12 17	2 36	22 51	0 15	9 50	2 8	6 43	0 46	21 34	0 26	18 22	5 3	1 44	2 1	18 1	14 22	7 17
T 23	22 1	1s33	0n55	24 51	1 42	24 50	1 35	12 5	2 38	22 52	0 15	9 49	2 8	6 42	0 46	21 34	0 26	18 22	5 3	1 45	2 3	18 1	14 22	7 17
F 24	22 10	5 52	2 5	25 4	1 47	24 47	1 36	11 53	2 40	22 53	0 15	9 48	2 8	6 42	0 46	21 34	0 26	18 22	5 3	1 45	2 4	18 2	14 22	7 18
S 25	22 17	10 0	3 9	25 15	1 52	24 43	1 38	11 40	2 42	22 55	0 15	9 47	2 8	6 42	0 46	21 34	0 26	18 22	5 3	1 47	2 5	18 2	14 22	7 18
S 26	22 25	13 38	4 3	25 23	1 55	24 38	1 39	11 28	2 44	22 56	0 15	9 46	2 7	6 41	0 46	21 33	0 26	18 23	5 3	1 50	2 6	18 3	14 22	7 18
M27	22 32	16 27	4 41	25 28	1 58	24 33	1 40	11 16	2 46	22 57	0 14	9 45	2 7	6 41	0 46	21 33	0 26	18 23	5 3	1 53	2 8	18 3	14 22	7 19
T 28	22 39	18 7	4 59	25 31	2 0	24 26	1 41	11 4	2 48	22 58	0 14	9 44	2 7	6 41	0 46	21 33	0 26	18 23	5 3	1 57	2 9	18 3	14 22	7 19
W29	22 45	18																						

SWISS EPHEMERIS for the year 1420

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S 1	17 12 35	18II3759	18∞58	7∞23	18∞55	10K44	21II52	10M21	14K55	20∞27	25II20	24°R34	24M24	21II 3	22°R33
S 2	17 16 32	19°35'13	2K47	9° 6	20° 7	11°20	22° 6	10°24	14°56	20°29	25°22	24M32	24°20	21° 9	22°R30
M 3	17 20 29	20°32'26	16° 8	10°46	21°19	11°56	22°19	10°27	14°56	20°31	25°23	24°31	24°17	21°16	22°27
T 4	17 24 25	21°29'39	29° 5	12°24	22°31	12°31	22°33	10°30	14°57	20°33	25°25	24°31	24°14	21°23	22°25
W 5	17 28 22	22°26'52	11°P41	14° 0	23°43	13° 7	22°47	10°33	14°57	20°35	25°26	24°31	24°11	21°29	22°22
T 6	17 32 18	23°24'05	24° 1	15°34	24°54	13°42	23° 1	10°36	14°57	20°37	25°28	24°28	24° 8	21°36	22°19
F 7	17 36 15	24°21'18	6B10	17° 5	26° 6	14°17	23°14	10°40	14°57	20°39	25°29	24°23	24° 4	21°43	22°16
S 8	17 40 11	25°18'31	18°10	18°33	27°18	14°52	23°28	10°43	14°58	20°41	25°31	24°16	24° 1	21°50	22°13
S 9	17 44 8	26°15'44	0II 5	19°59	28°29	15°27	23°42	10°47	14°58	20°43	25°32	24° 6	23°58	21°56	22°10
M10	17 48 4	27°12'57	11°57	21°23	29°41	16° 1	23°55	10°50	14°58	20°45	25°34	23°53	23°55	22° 3	22° 7
T11	17 52 1	28°10'10	23°49	22°44	0L52	16°35	24° 9	10°54	14°R58	20°47	25°35	23°39	23°52	22°10	22° 4
W12	17 55 58	29° 7'22	5∞42	24° 2	2° 4	17° 9	24°23	10°58	14°58	20°49	25°37	23°26	23°49	22°17	22° 1
T13	17 59 54	0∞ 4'34	17°36	25°18	3°15	17°43	24°36	11° 2	14°58	20°51	25°38	23°13	23°45	22°23	21°58
F 14	18 3 51	1° 1'46	29°35	26°31	4°26	18°16	24°50	11° 6	14°58	20°53	25°39	23° 2	23°42	22°30	21°55
S 15	18 7 47	1°58'58	11L39	27°42	5°38	18°50	25° 4	11°10	14°57	20°55	25°41	22°53	23°39	22°37	21°51
S 16	18 11 44	2°56'10	23°51	28°49	6°49	19°23	25°17	11°14	14°57	20°57	25°42	22°48	23°36	22°43	21°48
M17	18 15 40	3°53'22	6M14	29°54	8° 0	19°55	25°31	11°18	14°57	21° 0	25°44	22°45	23°33	22°50	21°45
T18	18 19 37	4°50'33	18°53	0L55	9°11	20°28	25°44	11°22	14°57	21° 2	25°45	22°D44	23°30	22°57	21°42
W19	18 23 33	5°47'44	1∞50	1°54	10°22	21° 0	25°58	11°27	14°56	21° 4	25°47	22°R44	23°26	23° 4	21°38
T20	18 27 30	6°44'55	15° 9	2°49	11°33	21°32	26°12	11°31	14°56	21° 6	25°48	22°44	23°23	23°10	21°35
F21	18 31 27	7°42'05	28°55	3°42	12°44	22° 4	26°25	11°36	14°55	21° 8	25°50	22°43	23°20	23°17	21°32
S 22	18 35 23	8°39'16	13M 7	4°30	13°55	22°35	26°39	11°40	14°55	21°10	25°51	22°39	23°17	23°24	21°28
S 23	18 39 20	9°36'26	27°46	5°16	15° 6	23° 6	26°52	11°45	14°54	21°13	25°52	22°33	23°14	23°30	21°25
M24	18 43 16	10°33'37	12∞45	5°57	16°17	23°37	27° 6	11°50	14°54	21°15	25°54	22°25	23°10	23°37	21°21
T25	18 47 13	11°30'48	27°58	6°35	17°27	24° 7	27°19	11°54	14°53	21°17	25°55	22°15	23° 7	23°44	21°18
W26	18 51 9	12°27'59	13∞14	7° 8	18°38	24°37	27°33	11°59	14°52	21°19	25°57	22° 5	23° 4	23°51	21°14
T27	18 55 6	13°25'10	28°22	7°38	19°48	25° 7	27°46	12° 4	14°52	21°21	25°58	21°57	23° 1	23°57	21°11
F28	18 59 3	14°22'22	13∞12	8° 4	20°59	25°36	27°59	12° 9	14°51	21°24	26° 0	21°50	22°58	24° 4	21° 8
S29	19 2 59	15°19'34	27°37	8°25	22° 9	26° 6	28°13	12°14	14°50	21°26	26° 1	21°45	22°55	24°11	21° 4
S 30	19 6 56	16∞16'46	11K33	8L41	23L20	26K34	28II26	12M20	14K49	21∞28	26II 2	21M43	22M51	24II18	21∞ 1

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23n 1	12s24	2n56	25n19	2n 1	23n54	1n45	10s16	2s55	23n 2	0s14	9n40	2n 6	6s40	0s46	21n32	0s26	18n23	5s 3	2n10	2n14	18n 5	14s22	7n21
S 2	23 6	8 46	1 52	25 11	2 0	23 45	1 46	10 4	2 57	23 3	0 14	9 38	2 6	6 40	0 46	21 31	0 26	18 23	5 3	2 11	2 15	18 5	14 22	7 21
M 3	23 10	4 48	0 44	25 1	1 57	23 34	1 47	9 52	2 59	23 4	0 14	9 37	2 6	6 40	0 46	21 31	0 26	18 23	5 3	2 11	2 17	18 6	14 22	7 21
T 4	23 14	0 44	0s24	24 50	1 55	23 23	1 47	9 40	3 1	23 4	0 14	9 36	2 6	6 40	0 47	21 31	0 26	18 24	5 3	2 11	2 18	18 6	14 23	7 22
W 5	23 18	3n16	1 29	24 37	1 51	23 12	1 48	9 28	3 3	23 5	0 14	9 34	2 6	6 40	0 47	21 31	0 26	18 24	5 2	2 11	2 19	18 6	14 23	7 22
T 6	23 21	7 2	2 29	24 22	1 47	22 59	1 48	9 17	3 5	23 6	0 13	9 33	2 6	6 40	0 47	21 30	0 26	18 24	5 2	2 12	2 20	18 7	14 23	7 22
F 7	23 23	10 27	3 21	24 6	1 42	22 46	1 49	9 5	3 7	23 7	0 13	9 32	2 5	6 40	0 47	21 30	0 26	18 24	5 2	2 14	2 22	18 7	14 23	7 22
S 8	23 26	13 24	4 3	23 49	1 36	22 33	1 49	8 53	3 9	23 8	0 13	9 30	2 5	6 40	0 47	21 30	0 25	18 24	5 2	2 17	2 23	18 8	14 23	7 23
S 9	23 28	15 46	4 34	23 30	1 30	22 18	1 49	8 41	3 11	23 8	0 13	9 29	2 5	6 40	0 47	21 29	0 25	18 24	5 2	2 21	2 24	18 8	14 23	7 23
M10	23 29	17 27	4 53	23 11	1 24	22 4	1 49	8 30	3 13	23 9	0 13	9 27	2 5	6 40	0 47	21 29	0 25	18 24	5 2	2 26	2 25	18 8	14 24	7 23
T11	23 30	18 23	5 0	22 51	1 16	21 48	1 49	8 18	3 15	23 10	0 13	9 25	2 5	6 40	0 47	21 29	0 25	18 24	5 2	2 32	2 27	18 9	14 24	7 24
W12	23 31	18 31	4 53	22 29	1 8	21 32	1 49	8 7	3 17	23 11	0 13	9 24	2 5	6 40	0 47	21 29	0 25	18 24	5 2	2 37	2 28	18 9	14 24	7 24
T13	23 31	17 50	4 33	22 7	1 0	21 16	1 49	7 55	3 19	23 11	0 13	9 22	2 5	6 40	0 47	21 28	0 25	18 24	5 2	2 42	2 29	18 9	14 24	7 24
F 14	23 30	16 22	4 2	21 45	0 51	20 58	1 49	7 44	3 21	23 12	0 13	9 21	2 4	6 40	0 47	21 28	0 25	18 25	5 2	2 47	2 30	18 10	14 25	7 24
S 15	23 30	14 9	3 19	21 22	0 42	20 41	1 49	7 33	3 23	23 13	0 13	9 19	2 4	6 40	0 47	21 28	0 25	18 25	5 2	2 50	2 32	18 10	14 25	7 24
S 16	23 29	11 18	2 26	20 58	0 32	20 23	1 49	7 22	3 25	23 13	0 13	9 17	2 4	6 40	0 47	21 27	0 25	18 25	5 2	2 52	2 33	18 10	14 25	7 25
M17	23 27	7 55	1 26	20 35	0 21	20 4	1 48	7 11	3 27	23 14	0 12	9 15	2 4	6 40	0 47	21 27	0 25	18 25	5 2	2 53	2 34	18 11	14 26	7 25
T18	23 25	4 6	0 20	20 11	0 10	19 44	1 48	7 0	3 29	23 14	0 12	9 14	2 4	6 40	0 47	21 27	0 25	18 25	5 2	2 53	2 35	18 11	14 26	7 25
W19	23 23	0 0	0n48	19 47	0s 1	19 25	1 47	6 49	3 31	23 15	0 12	9 12	2 4	6 40	0 47	21 26	0 25	18 25	5 2	2 53	2 37	18 11	14 26	7 25
T20	23 20	4s12	1 56	19 23	0 13	19 4	1 46	6 38	3 33	23 15	0 12	9 10	2 3	6 41	0 47	21 26	0 25	18 25	5 2	2 54	2 38	18 12	14 26	7 25
F21	23 17	8 20	2 59	18 59	0 25	18 43	1 46	6 27	3 35	23 16	0 12	9 8	2 3	6 41	0 47	21 26	0 25	18 25	5 2	2 54	2 39	18 12	14 27	7 26
S 22	23 14	12 7	3 54	18 35	0 38	18 22	1 45	6 17	3 37	23 16	0 12	9 6	2 3	6 41	0 47	21 25	0 25	18 25	5 2	2 56	2 41	18 12	14 27	7 26
S 23	23 10	15 16	4 35	18 12	0 51	18 0	1 44	6 6	3 40	23 17	0 12	9 4	2 3	6 41	0 47	21 25	0 25	18 25	5 2	2 58	2 42	18 13	14 28	7 26
M24	23 5 17 28	4 58	1 17	17 49	1 4	17 38	1 43	5 56	3 42	23 17	0 12	9 2	2 3	6 42	0 47	21 25	0 25	18 25	5 2	3 1	2 43	18 13	14 28	7 26
T25	23 1 18 29	5 1	17 26	1 17	17 16	1 41	5 46	3 44	23 17	0 12	9 0	2 3	6 42	0 47	21 24	0 25	18 25	5 2	3 5	2 44	18 13	14 28	7 26	
W26	22 56	18 10	4 42	17 4	1 31	16 52	1 40	5 36	3 46	23 18	0 12	8 58	2 3	6 42	0 47	21 24	0 25	18 25	5 2	3 9	2 46	18 14	14 29	7 26
T27	22 50	16 34	4 4	16 43	1 45	16 29	1 39	5 26	3 48	23 18	0 12	8 56	2 3	6 43	0 47	21 24	0 25	18 25	5 2	3 12	2 47	18 14	14 29	7 26
F28	22 44	13 53	3 10	16 23	1 59	16 5	1 38	5 16	3 50	23 18	0 11	8 54	2 2	6 43	0 47	21 23	0 25	18 26	5 2	3 15	2 48	18 14	14 30	7 26
S29	22 38	10 23	2 5	16 4	2 13	15 41	1 36	5 6	3 52	23 19	0 11	8 52	2 2	6 43	0 47	21 23	0 25	18 26	5 2	3 17	2 49	18 15	14 30	7 26

SWISS EPHEMERIS for the year 1420

JULY 1420 JC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	19 10 52	17°14'00	25°11'14	8°53	24°03	27°31	28°39	12°25	14°R48	21°30	26°II 4	21°D43	22°48	24°II24	20°R57
T 2	19 14 49	18°11'14	8°Y 2	9° 0	25°40	27°31	28°53	12°30	14°47	21°33	26° 5	21°43	22°45	24°31	20°54
W 3	19 18 45	19° 8'29	20° 20	9°R 2	26°50	27°58	29° 6	12°35	14°46	21°35	26° 6	21°R43	22°42	24°38	20°50
T 4	19 22 42	20° 5'45	3° 0	9° 0	28° 0	28°25	29°19	12°41	14°45	21°37	26° 8	21°43	22°39	24°44	20°47
F 5	19 26 38	21° 3'01	15° 6	8°52	29°10	28°52	29°32	12°46	14°44	21°39	26° 9	21°40	22°36	24°51	20°43
S 6	19 30 35	22° 0'19	27° 4	8°39	0°20	29°19	29°45	12°52	14°43	21°41	26°11	21°35	22°32	24°58	20°40
S 7	19 34 31	22°57'37	8°II56	8°22	1°30	29°45	29°58	12°57	14°42	21°44	26°12	21°27	22°29	25° 5	20°36
M 8	19 38 28	23°54'57	20°48	8° 0	2°40	0°Y10	0°21	13° 3	14°40	21°46	26°13	21°18	22°26	25°11	20°33
T 9	19 42 25	24°52'17	2°240	7°33	3°49	0°35	0°25	13° 9	14°39	21°48	26°15	21° 8	22°23	25°18	20°29
W10	19 46 21	25°49'38	14°36	7° 2	4°59	1° 0	0°38	13°15	14°38	21°50	26°16	20°57	22°20	25°25	20°26
T 11	19 50 18	26°47'00	26°37	6°28	6° 9	1°24	0°50	13°21	14°37	21°53	26°17	20°47	22°16	25°32	20°22
F 12	19 54 14	27°44'22	8°II44	5°50	7°18	1°47	1° 3	13°26	14°35	21°55	26°18	20°39	22°13	25°38	20°19
S 13	19 58 11	28°41'45	20°58	5° 9	8°27	2°10	1°16	13°32	14°34	21°57	26°20	20°33	22°10	25°45	20°15
S 14	20 2 7	29°39'09	3°22	4°25	9°37	2°33	1°29	13°38	14°32	21°59	26°21	20°29	22° 7	25°52	20°12
M15	20 6 4	0°II36'34	15°56	3°41	10°46	2°55	1°42	13°45	14°31	22° 1	26°22	20°D28	22° 4	25°58	20° 8
T 16	20 10 0	1°34'00	28°44	2°55	11°55	3°16	1°54	13°51	14°29	22° 4	26°23	20°28	22° 1	26° 5	20° 5
W17	20 13 57	2°31'26	11°II47	2° 9	13° 4	3°37	2° 7	13°57	14°28	22° 6	26°25	20°29	21°57	26°12	20° 2
T 18	20 17 54	3°28'53	25° 8	1°25	14°13	3°58	2°20	14° 3	14°26	22° 8	26°26	20°30	21°54	26°19	19°58
F 19	20 21 50	4°26'20	8°II50	0°42	15°22	4°18	2°32	14° 9	14°24	22°10	26°27	20°R30	21°51	26°25	19°55
S 20	20 25 47	5°23'49	22°53	0° 1	16°30	4°37	2°45	14°16	14°23	22°12	26°28	20°29	21°48	26°32	19°52
S 21	20 29 43	6°21'18	7°II17	29°24	17°39	4°56	2°57	14°22	14°21	22°15	26°29	20°26	21°45	26°39	19°48
M22	20 33 40	7°18'48	21°58	28°51	18°47	5°14	3°10	14°28	14°19	22°17	26°31	20°21	21°42	26°45	19°45
T 23	20 37 36	8°16'19	6°II52	28°23	19°56	5°31	3°22	14°35	14°18	22°19	26°32	20°15	21°38	26°52	19°42
W24	20 41 33	9°13'50	21°51	28° 1	21° 4	5°48	3°34	14°41	14°16	22°21	26°33	20° 9	21°35	26°59	19°39
T 25	20 45 30	10°11'23	6°II45	27°44	22°12	6° 4	3°46	14°48	14°14	22°23	26°34	20° 4	21°32	27° 6	19°35
F 26	20 49 26	11° 8'57	21°26	27°33	23°20	6°20	3°59	14°55	14°12	22°25	26°35	19°59	21°29	27°12	19°32
S 27	20 53 23	12° 6'33	5°II47	27°D30	24°28	6°34	4°11	15° 1	14°10	22°28	26°36	19°57	21°26	27°19	19°29
S 28	20 57 19	13° 4'09	19°44	27°33	25°36	6°49	4°23	15° 8	14° 8	22°30	26°37	19°D56	21°22	27°26	19°26
M29	21 1 16	14° 1'47	3°Y15	27°44	26°43	7° 2	4°35	15°15	14° 6	22°32	26°38	19°57	21°19	27°33	19°23
T 30	21 5 12	14°59'27	16°20	28° 1	27°51	7°15	4°47	15°21	14° 4	22°34	26°39	19°58	21°16	27°39	19°20
W31	21 9 9	15°05'08	29°Y 2	28°27	28°58	7°Y27	4°58	15°28	14° 2	22°36	26°II40	20°0 0	21°13	27°II46	19°17

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	22n24	2s15	0s18	15n29	2s42	14n51	1n33	4s47	3s56	23n19	0s11	8n48	2n 2	6s44	0s48	21n22	0s25	18n26	5s 2	3n18	2n52	18n15	14s31	7n27
T 2	22 16	1n53	1 26	15 14	2 56	14 26	1 31	4 38	3 58	23 19	0 11	8 46	2 2	6 44	0 48	21 22	0 25	18 26	5 2	3 18	2 53	18 16	14 31	7 27
W 3	22 8	5 48	2 28	15 0	3 10	14 0	1 29	4 28	4 0	23 20	0 11	8 44	2 2	6 45	0 48	21 22	0 25	18 26	5 2	3 18	2 54	18 16	14 32	7 27
T 4	22 0	9 23	3 22	14 48	3 23	13 34	1 27	4 19	4 2	23 20	0 11	8 42	2 2	6 45	0 48	21 21	0 25	18 26	5 2	3 18	2 56	18 16	14 32	7 27
F 5	21 52	12 30	4 5	14 37	3 36	13 7	1 25	4 11	4 4	23 20	0 11	8 39	2 2	6 46	0 48	21 21	0 25	18 26	5 2	3 19	2 57	18 16	14 33	7 27
S 6	21 42	15 4	4 37	14 28	3 49	12 41	1 23	4 2	4 6	23 20	0 11	8 37	2 1	6 46	0 48	21 21	0 25	18 26	5 2	3 21	2 58	18 17	14 33	7 27
S 7	21 33	16 58	4 57	14 21	4 1	12 14	1 21	3 53	4 8	23 20	0 11	8 35	2 1	6 47	0 48	21 20	0 25	18 26	5 2	3 24	2 59	18 17	14 34	7 27
M 8	21 23	18 8	5 4	14 16	4 12	11 46	1 18	3 45	4 10	23 20	0 11	8 33	2 1	6 47	0 48	21 20	0 25	18 26	5 2	3 28	3 1	18 17	14 34	7 27
T 9	21 13	18 31	4 58	14 13	4 22	11 19	1 16	3 37	4 12	23 20	0 10	8 30	2 1	6 48	0 48	21 20	0 25	18 26	5 2	3 32	3 2	18 18	14 35	7 27
W10	21 3	18 5	4 39	14 12	4 31	10 51	1 13	3 29	4 14	23 20	0 10	8 28	2 1	6 48	0 48	21 19	0 25	18 26	5 2	3 36	3 3	18 18	14 36	7 26
T 11	20 52	16 50	4 8	14 13	4 38	10 23	1 11	3 21	4 16	23 20	0 10	8 26	2 1	6 49	0 48	21 19	0 25	18 26	5 2	3 40	3 4	18 18	14 36	7 26
F 12	20 41	14 50	3 25	14 16	4 45	9 55	1 8	3 13	4 18	23 20	0 10	8 23	2 1	6 49	0 48	21 19	0 25	18 26	5 2	3 43	3 6	18 18	14 37	7 26
S 13	20 29	12 9	2 32	14 21	4 49	9 26	1 5	3 6	4 20	23 20	0 10	8 21	2 1	6 50	0 48	21 18	0 25	18 26	5 2	3 45	3 7	18 19	14 37	7 26
S 14	20 17	8 54	1 31	14 29	4 52	8 57	1 3	2 59	4 22	23 20	0 10	8 18	2 1	6 51	0 48	21 18	0 25	18 26	5 2	3 47	3 8	18 19	14 38	7 26
M15	20 5	5 11	0 24	14 38	4 54	8 28	1 0	2 52	4 23	23 20	0 10	8 16	2 1	6 51	0 48	21 18	0 25	18 26	5 2	3 47	3 9	18 19	14 38	7 26
T 16	19 52	1 11	0n44	14 48	4 53	7 59	0 57	2 45	4 25	23 20	0 10	8 14	2 1	6 52	0 48	21 17	0 25	18 26	5 2	3 47	3 11	18 19	14 39	7 26
W17	19 39	2s57	1 53	15 0	4 51	7 30	0 53	2 38	4 27	23 20	0 10	8 11	2 0	6 52	0 48	21 17	0 25	18 26	5 2	3 47	3 12	18 20	14 40	7 26
T 18	19 26	7 1	2 56	15 14	4 47	7 0	0 50	2 32	4 29	23 20	0 10	8 9	2 0	6 53	0 48	21 17	0 25	18 26	5 2	3 47	3 13	18 20	14 40	7 26
F 19	19 13	10 50	3 51	15 29	4 41	6 31	0 47	2 26	4 31	23 20	0 10	8 6	2 0	6 54	0 48	21 16	0 25	18 26	5 2	3 46	3 15	18 20	14 41	7 26
S 20	18 59	14 8	4 34	15 45	4 34	6 1	0 44	2 20	4 33	23 19	0 10	8 4	2 0	6 54	0 48	21 16	0 25	18 26	5 2	3 47	3 16	18 20	14 41	7 25
S 21	18 44	16 38	5 1	16 1	4 25	5 31	0 40	2 14	4 35	23 19	0 9	8 1	2 0	6 55	0 48	21 16	0 25	18 26	5 2	3 48	3 17	18 21	14 42	7 25
M22	18 30	18 8	5 9	16 18	4 14	5 1	0 37	2 9	4 36	23 19	0 9	7 58	2 0	6 56	0 48	21 15	0 25	18 26	5 2	3 50	3 18	18 21	14 43	7 25
T 23	18 15	18 24	4 56	16 36	4 2	4 30	0 33	2 3	4 38	23 19	0 9	7 56	2 0	6 56	0 48	21 15	0 25	18 26	5 2	3 52	3 20	18 21	14 43	7 25
W24	18 0	17 24	4 23	16 53	3 49	4 0	0 29	1 58	4 40	23 19	0 9	7 53	2 0	6 57	0 48	21 15	0 25	18 26	5 2	3 55	3 21	18 21	14 44	7 25
T 25	17 45	15 12	3 33	17 10	3 34	3 30	0 26	1 53	4 42	23 18	0 9	7 51	2 0	6 58	0 48	21 14	0 25	18 26	5 2	3 57	3 22	18 22	14 45	7 25
F 26	17 29	12 3	2 29	17 27	3 19	2 59	0 22	1 49	4 43	23 18	0 9	7 48	2 0	6 59	0 48	21 14	0 25	18 26	5 2	3 59	3 23	18 22	14 45	7 24
S 27	17 13	8 14	1 16	17 44	3 3	2 29	0 18	1 45	4 45	23 18	0 9	7 45	2 0	6 59	0 48	21 13	0 25	18 26	5 2	4 0	3 25	18 22	14 46	7 24
S 28	16 57	4 4	0 1	17 59	2 47	1 58	0 14	1 40	4 47	23 18	0 9	7 43	2 0	7 0	0 48	21 13	0 25	18 26	5 2	4 0	3 26	18 22	14 46	7 24
M29	16 40	0n12	1s12	18 14	2 30	1 28	0 10	1 37	4 48	23 17	0 9													

SWISS EPHEMERIS for the year 1420

AUGUST 1420 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	21 13 5	16♄54'51	11♃25	28♄59	0♁ 5	7♃38	5♄10	15♁35	14°R 0	22♄38	26♁41	20°R 1	21♁10	27♁53	19°R14
F 2	21 17 2	17°52'35	23°33	29°39	1°12	7°49	5°22	15°42	13♁58	22°40	26°42	20♁ 1	21° 7	27°59	19♃11
S 3	21 20 58	18°50'22	5♁32	0♁26	2°19	7°58	5°34	15°49	13°56	22°42	26°43	19°59	21° 3	28° 6	19° 8
S 4	21 24 55	19°48'10	17°25	1°20	3°26	8° 7	5°45	15°56	13°54	22°44	26°44	19°57	21° 0	28°13	19° 6
M 5	21 28 52	20°45'59	29°17	2°21	4°33	8°15	5°57	16° 3	13°52	22°46	26°45	19°53	20°57	28°20	19° 3
T 6	21 32 48	21°43'50	11♄12	3°28	5°39	8°23	6° 8	16°10	13°50	22°48	26°46	19°48	20°54	28°26	19° 0
W 7	21 36 45	22°41'43	23°12	4°42	6°46	8°29	6°19	16°17	13°47	22°50	26°47	19°44	20°51	28°33	18°57
T 8	21 40 41	23°39'38	5♁20	6° 1	7°52	8°35	6°30	16°24	13°45	22°52	26°48	19°39	20°48	28°40	18°55
F 9	21 44 38	24°37'34	17°38	7°26	8°58	8°40	6°42	16°31	13°43	22°54	26°49	19°36	20°44	28°47	18°52
S 10	21 48 34	25°35'32	0♁ 7	8°55	10° 4	8°44	6°53	16°38	13°41	22°56	26°50	19°33	20°41	28°53	18°50
S 11	21 52 31	26°33'31	12°48	10°30	11°10	8°47	7° 4	16°45	13°39	22°58	26°51	19°32	20°38	29° 0	18°47
M12	21 56 27	27°31'32	25°41	12° 8	12°15	8°49	7°15	16°52	13°36	23° 0	26°51	19°D32	20°35	29° 7	18°45
T 13	22 0 24	28°29'34	8♁47	13°51	13°21	8°51	7°25	16°59	13°34	23° 2	26°52	19°33	20°32	29°13	18°43
W14	22 4 21	29°27'38	22° 6	15°36	14°26	8°R51	7°36	17° 7	13°32	23° 4	26°53	19°34	20°28	29°20	18°40
T 15	22 8 17	0♁25'43	5♁39	17°24	15°31	8°51	7°47	17°14	13°29	23° 6	26°54	19°35	20°25	29°27	18°38
F 16	22 12 14	1°23'50	19°26	19°14	16°36	8°50	7°57	17°21	13°27	23° 7	26°55	19°36	20°22	29°34	18°36
S 17	22 16 10	2°21'58	3♁27	21° 6	17°41	8°48	8° 8	17°28	13°25	23° 9	26°55	19°R37	20°19	29°40	18°34
S 18	22 20 7	3°20'08	17°40	23° 0	18°45	8°45	8°18	17°36	13°22	23°11	26°56	19°36	20°16	29°47	18°32
M19	22 24 3	4°18'19	2♁ 4	24°54	19°49	8°41	8°28	17°43	13°20	23°13	26°57	19°35	20°13	29°54	18°30
T 20	22 28 0	5°16'31	16°34	26°50	20°53	8°37	8°38	17°50	13°18	23°15	26°57	19°34	20° 9	0♁ 0	18°28
W21	22 31 56	6°14'45	1♁ 6	28°45	21°57	8°31	8°48	17°58	13°15	23°16	26°58	19°32	20° 6	0° 7	18°26
T 22	22 35 53	7°13'01	15°35	0♁41	23° 0	8°25	8°58	18° 5	13°13	23°18	26°59	19°30	20° 3	0°14	18°24
F 23	22 39 50	8°11'18	29°55	2°36	24° 4	8°18	9° 8	18°12	13°10	23°20	26°59	19°29	20° 0	0°21	18°22
S 24	22 43 46	9° 9'37	13♁59	4°32	25° 7	8°10	9°18	18°20	13° 8	23°21	27° 0	19°D29	19°57	0°27	18°21
S 25	22 47 43	10° 7'58	27°46	6°26	26°10	8° 2	9°28	18°27	13° 6	23°23	27° 0	19°29	19°53	0°34	18°19
M26	22 51 39	11° 6'21	11♃11	8°21	27°12	7°52	9°37	18°34	13° 3	23°25	27° 1	19°29	19°50	0°41	18°17
T 27	22 55 36	12° 4'46	24°15	10°14	28°14	7°42	9°46	18°42	13° 1	23°26	27° 1	19°30	19°47	0°47	18°16
W28	22 59 32	13° 3'13	6♁58	12° 7	29°16	7°31	9°56	18°49	12°58	23°28	27° 2	19°31	19°44	0°54	18°14
T 29	23 3 29	14° 1'42	13°59	13°59	0♁18	7°19	10° 5	18°57	12°56	23°30	27° 2	19°31	19°41	1° 1	18°13
F 30	23 7 25	15° 0'13	1♁34	15°50	1°19	7° 7	10°14	19° 4	12°54	23°31	27° 3	19°32	19°38	1° 8	18°12
S 31	23 11 22	15♁58'47	13♁35	17♁40	2♁20	6♃54	10♄23	19♁12	12♁51	23♄33	27♁ 3	19°R32	19♁34	1♄14	18♃10

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	15n49	11n25	4s 5	18n49	1s38	0s 5	0s 3	1s27	4s53	23n16	0s 8	7n32	1n59	7s 3	0s48	21n12	0s25	18n26	5s 2	3n58	3n31	18n23	14s49	7n23
F 2	15 31	14 12	4 40	18 58	1 21	0 35	0 7	1 24	4 54	23 16	0 8	7 29	1 59	7 4	0 48	21 11	0 25	18 26	5 2	3 58	3 32	18 23	14 50	7 23
S 3	15 13	16 19	5 3	19 4	1 5	1 6	0 11	1 21	4 56	23 15	0 8	7 27	1 59	7 5	0 48	21 11	0 25	18 26	5 2	3 59	3 33	18 24	14 50	7 22
S 4	14 55	17 44	5 12	19 8	0 48	1 37	0 16	1 19	4 57	23 15	0 8	7 24	1 59	7 6	0 48	21 11	0 25	18 26	5 2	4 0	3 35	18 24	14 51	7 22
M 5	14 37	18 22	5 8	19 10	0 33	2 7	0 20	1 17	4 58	23 15	0 8	7 21	1 59	7 7	0 48	21 10	0 25	18 26	5 2	4 1	3 36	18 24	14 52	7 22
T 6	14 18	18 12	4 51	19 9	0 17	2 38	0 25	1 15	4 59	23 14	0 8	7 18	1 59	7 7	0 48	21 10	0 25	18 26	5 2	4 3	3 37	18 24	14 52	7 21
W 7	13 59	17 13	4 21	19 6	0 3	3 9	0 30	1 14	5 1	23 14	0 8	7 16	1 59	7 8	0 48	21 10	0 25	18 26	5 2	4 5	3 38	18 24	14 53	7 21
T 8	13 40	15 27	3 39	19 0	0n11	3 39	0 34	1 12	5 2	23 13	0 8	7 13	1 59	7 9	0 48	21 9	0 25	18 26	5 2	4 7	3 40	18 25	14 54	7 21
F 9	13 21	12 57	2 46	18 51	0 24	4 10	0 39	1 11	5 3	23 13	0 8	7 10	1 59	7 10	0 48	21 9	0 25	18 26	5 2	4 8	3 41	18 25	14 54	7 20
S 10	13 2	9 50	1 45	18 40	0 36	4 40	0 44	1 11	5 4	23 12	0 8	7 7	1 59	7 11	0 49	21 9	0 25	18 26	5 2	4 9	3 42	18 25	14 55	7 20
S 11	12 42	6 12	0 37	18 25	0 47	5 11	0 49	1 10	5 5	23 12	0 8	7 4	1 59	7 12	0 49	21 9	0 25	18 26	5 2	4 9	3 43	18 25	14 56	7 20
M12	12 22	2 14	0n34	18 8	0 58	5 41	0 54	1 10	5 5	23 11	0 7	7 2	1 59	7 13	0 49	21 8	0 25	18 26	5 3	4 9	3 45	18 25	14 56	7 19
T 13	12 2	1s54	1 44	17 47	1 7	6 11	0 59	1 10	5 6	23 11	0 7	6 59	1 59	7 14	0 49	21 8	0 25	18 26	5 3	4 9	3 46	18 25	14 57	7 19
W14	11 42	6 0	2 50	17 24	1 15	6 41	1 3	1 11	5 7	23 10	0 7	6 56	1 59	7 15	0 49	21 8	0 25	18 26	5 3	4 9	3 47	18 26	14 58	7 19
T 15	11 21	9 52	3 48	16 58	1 22	7 11	1 9	1 11	5 8	23 10	0 7	6 53	1 59	7 15	0 49	21 7	0 25	18 26	5 3	4 8	3 48	18 26	14 58	7 18
F 16	11 1	13 15	4 33	16 30	1 29	7 41	1 14	1 12	5 8	23 9	0 7	6 50	1 59	7 16	0 49	21 7	0 25	18 26	5 3	4 8	3 50	18 26	14 59	7 18
S 17	10 40	15 57	5 3	15 59	1 34	8 10	1 19	1 14	5 8	23 9	0 7	6 47	1 59	7 17	0 49	21 7	0 25	18 26	5 3	4 7	3 51	18 26	15 0	7 17
S 18	10 19	17 42	5 16	15 27	1 38	8 40	1 24	1 15	5 9	23 8	0 7	6 45	1 59	7 18	0 49	21 6	0 25	18 26	5 3	4 8	3 52	18 26	15 0	7 17
M19	9 58	18 21	5 8	14 52	1 42	9 9	1 29	1 17	5 9	23 8	0 7	6 42	1 59	7 19	0 49	21 6	0 25	18 26	5 3	4 8	3 53	18 26	15 1	7 17
T 20	9 36	17 49	4 42	14 15	1 45	9 38	1 34	1 18	5 9	23 7	0 7	6 39	1 59	7 20	0 49	21 6	0 25	18 26	5 3	4 9	3 55	18 27	15 2	7 16
W21	9 15	16 7	3 57	13 36	1 47	10 7	1 39	1 21	5 9	23 6	0 7	6 36	1 59	7 21	0 49	21 5	0 25	18 26	5 3	4 9	3 56	18 27	15 2	7 16
T 22	8 53	13 24	2 57	12 56	1 48	10 35	1 45	1 23	5 9	23 6	0 7	6 33	1 59	7 22	0 49	21 5	0 25	18 26	5 3	4 10	3 57	18 27	15 3	7 15
F 23	8 31	9 53	1 46	12 15	1 48	11 4	1 50	1 26	5 9	23 5	0 6	6 30	1 59	7 23	0 49	21 5	0 25	18 26	5 3	4 10	3 58	18 27	15 4	7 15
S 24	8 10	5 51	0 30	11 33	1 48	11 32	1 55	1 28	5 8	23 5	0 6	6 27	1 59	7 24	0 49	21 5	0 25	18 26	5 3	4 11	4 0	18 27	15 4	7 15
S 25	7 48	1 35	0s46	10 49	1 47	12 0	2 1	1 31	5 8	23 4	0 6	6 24	1 59	7 25	0 49	21 4	0 25	18 26	5 3	4 11	4 1	18 27	15 5	7 14
M26	7 25	2n38	1 57	10 5	1 45	12 28	2 6	1 34	5 7	23 4	0 6	6 21	1 59	7 26	0 49	21 4	0 25	18 25	5 3	4 10	4 2	18 27	15 6	7 14
T 27	7 3	6 37	3 1	9 20	1 43	12 55	2 11	1 38	5 7	23 3	0 6	6 19	1 59	7 26	0 49	21 4	0 25	18 25	5 3	4 10	4 3	18 28	15 6	7 13
W28	6 41	10 12	3 54	8 35	1 40	13 23	2 17	1 41	5 6	23 2	0 6	6 16	1 59	7 27	0 49	21 3	0 25	18 25	5 3	4 10	4 5	18 28	15 7	7 13
T 29	6 18	13 14	4 34	7 49	1 37	13 50	2 22	1 45	5 5	23 2	0 6	6 13	1 59	7 28	0 49	21 3	0 25	18 25	5 3	4 10				

SWISS EPHEMERIS for the year 1420

SEPTEMBER 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	23 15 19	16 ^h 57'23	25 ^h 11'29	19 ^h 29'	3 ^h 11'21	6°R40	10 ^h 32'32	19 ^h 19'	12°R49	23 ^h 33'34	27 ^h 11'4	19°R32	19 ^h 31'	1 ^h 28'21	18°R 9	
M 2	23 19 15	17°56'01	7 ^h 22'22	21°17'	4°22'	6°P26	10°40'	19°26'	12 ^h 46'	23°36'	27°4'	19 ^h 32'	19°28'	1°28'	18 ^h 8	
T 3	23 23 12	18°54'41	19°18'	23° 4'	5°22'	6°11'	10°49'	19°34'	12°44'	23°37'	27° 4'	19°32'	19°25'	1°35'	18° 7	
W 4	23 27 8	19°53'23	1 ^h 21'21	24°50'	6°22'	5°55'	10°57'	19°41'	12°42'	23°38'	27° 5'	19°D32'	19°22'	1°41'	18° 6	
T 5	23 31 5	20°52'08	13°35'	26°35'	7°21'	5°39'	11° 6'	19°49'	12°39'	23°40'	27° 5'	19°32'	19°19'	1°48'	18° 5	
F 6	23 35 1	21°50'55	26° 3'	28°19'	8°20'	5°23'	11°14'	19°56'	12°37'	23°41'	27° 5'	19°32'	19°15'	1°55'	18° 5	
S 7	23 38 58	22°49'44	8 ^h 46'	0 ^h 2'	9°19'	5° 6'	11°22'	20° 4'	12°34'	23°43'	27° 6'	19°32'	19°12'	2° 1'	18° 4	
S 8	23 42 54	23°48'34	21°46'	1°44'	10°17'	4°49'	11°30'	20°11'	12°32'	23°44'	27° 6'	19°R32'	19° 9'	2° 8'	18° 3	
M 9	23 46 51	24°47'27	5 ^h 2'	3°26'	11°15'	4°31'	11°38'	20°19'	12°30'	23°45'	27° 6'	19°32'	19° 6'	2°15'	18° 3	
T 10	23 50 47	25°46'22	18°33'	5° 6'	12°12'	4°13'	11°45'	20°26'	12°27'	23°46'	27° 6'	19°31'	19° 3'	2°22'	18° 2	
W 11	23 54 44	26°45'19	2 ^h 11'18	6°45'	13°10'	3°55'	11°53'	20°33'	12°25'	23°48'	27° 6'	19°31'	18°59'	2°28'	18° 2	
T 12	23 58 41	27°44'18	16°13'	8°24'	14° 6'	3°37'	12° 0'	20°41'	12°23'	23°49'	27° 7'	19°30'	18°56'	2°35'	18° 1	
F 13	0 2 37	28°43'18	0 ^h 17'	10° 1'	15° 2'	3°19'	12° 8'	20°48'	12°21'	23°50'	27° 7'	19°29'	18°53'	2°42'	18° 1	
S 14	0 6 34	29°42'21	14°27'	11°38'	15°58'	3° 0'	12°15'	20°56'	12°18'	23°51'	27° 7'	19°28'	18°50'	2°48'	18° 1	
S 15	0 10 30	0 ^h 41'25	28°39'	13°14'	16°53'	2°42'	12°22'	21° 3'	12°16'	23°52'	27° 7'	19°D28'	18°47'	2°55'	18° 0	
M 16	0 14 27	1°40'31	12 ^h 52'	14°49'	17°48'	2°23'	12°28'	21°10'	12°14'	23°53'	27° 7'	19°28'	18°44'	3° 2'	18° 0	
T 17	0 18 23	2°39'39	27° 3'	16°23'	18°42'	2° 5'	12°35'	21°18'	12°12'	23°54'	27° 7'	19°29'	18°40'	3° 9'	18°D 0	
W 18	0 22 20	3°38'48	11 ^h 11'	17°57'	19°35'	1°47'	12°41'	21°25'	12° 9'	23°55'	27°R 7'	19°30'	18°37'	3°15'	18° 0	
T 19	0 26 16	4°37'59	25°10'	19°29'	20°28'	1°29'	12°48'	21°33'	12° 7'	23°56'	27° 7'	19°31'	18°34'	3°22'	18° 1	
F 20	0 30 13	5°37'12	9 ^h 1'	21° 1'	21°20'	1°11'	12°54'	21°40'	12° 5'	23°57'	27° 7'	19°32'	18°31'	3°29'	18° 1	
S 21	0 34 10	6°36'27	22°41'	22°32'	22°12'	0°53'	13° 0'	21°47'	12° 3'	23°58'	27° 7'	19°R32'	18°28'	3°35'	18° 1	
S 22	0 38 6	7°35'44	6°P 8	24° 2'	23° 3'	0°36'	13° 6'	21°54'	12° 1'	23°59'	27° 7'	19°31'	18°24'	3°42'	18° 1	
M 23	0 42 3	8°35'03	19°19'	25°32'	23°53'	0°19'	13°12'	22° 2'	11°59'	24° 0'	27° 7'	19°30'	18°21'	3°49'	18° 2	
T 24	0 45 59	9°34'24	2 ^h 14'	27° 1'	24°42'	0° 3'	13°17'	22° 9'	11°57'	24° 1'	27° 7'	19°27'	18°18'	3°56'	18° 2	
W 25	0 49 56	10°33'48	14°52'	28°29'	25°31'	29 ^h 47'	13°23'	22°16'	11°55'	24° 2'	27° 7'	19°24'	18°15'	4° 2'	18° 3	
T 26	0 53 52	11°33'13	27°16'	29°56'	26°19'	29°31'	13°28'	22°23'	11°53'	24° 2'	27° 6'	19°20'	18°12'	4° 9'	18° 4	
F 27	0 57 49	12°32'41	9 ^h 26'	1 ^h 22'	27° 6'	29°16'	13°33'	22°30'	11°51'	24° 3'	27° 6'	19°17'	18° 9'	4°16'	18° 4	
S 28	1 1 45	13°32'11	21°26'	2°48'	27°52'	29° 1'	13°38'	22°38'	11°49'	24° 4'	27° 6'	19°14'	18° 5'	4°22'	18° 5	
S 29	1 5 42	14°31'44	3 ^h 20'	4°12'	28°38'	28°47'	13°42'	22°45'	11°47'	24° 5'	27° 6'	19°12'	18° 2'	4°29'	18° 6	
M 30	1 9 39	15°31'18	15 ^h 13'	5 ^h 36'	29 ^h 22'	28 ^h 34'	13°47'	22 ^h 52'	11 ^h 45'	24° 5'	27 ^h 6'	19°D12'	17 ^h 59'	4°36'	18 ^h 7	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	5n10	18n11	5s15	5n29	1n25	15s 9	2s38	1s57	5s 1	23n 0	0s 6	6n 4	1n59	7s31	0s49	21n 2
M 2	4 47	18 17	5 2	4 42	1 20	15 35	2 44	2 1	5 0	22 59	0 6	6 1	1 59	7 32	0 49	21 2
T 3	4 24	17 34	4 35	3 55	1 15	16 0	2 49	2 6	4 58	22 59	0 5	5 58	1 59	7 33	0 49	21 2
W 4	4 1	16 4	3 57	3 8	1 10	16 25	2 54	2 10	4 56	22 58	0 5	5 55	1 59	7 34	0 49	21 2
T 5	3 38	13 49	3 6	2 21	1 4	16 50	3 0	2 15	4 54	22 58	0 5	5 52	1 59	7 35	0 49	21 1
F 6	3 15	10 53	2 7	1 34	0 58	17 15	3 5	2 19	4 52	22 57	0 5	5 50	1 59	7 36	0 49	21 1
S 7	2 51	7 23	0 59	0 47	0 52	17 39	3 10	2 24	4 50	22 56	0 5	5 47	1 59	7 37	0 49	21 1
S 8	2 28	3 28	0n12	0 1	0 46	18 3	3 16	2 29	4 48	22 56	0 5	5 44	2 0	7 37	0 49	21 1
M 9	2 5	0s42	1 25	0s45	0 40	18 26	3 21	2 33	4 45	22 55	0 5	5 41	2 0	7 38	0 49	21 1
T 10	1 41	4 55	2 34	1 31	0 33	18 49	3 26	2 38	4 42	22 55	0 5	5 38	2 0	7 39	0 49	21 0
W 11	1 18	8 56	3 35	2 17	0 27	19 11	3 31	2 43	4 40	22 54	0 5	5 35	2 0	7 40	0 49	21 0
T 12	0 54	12 31	4 25	3 2	0 20	19 34	3 37	2 47	4 37	22 54	0 5	5 32	2 0	7 41	0 49	21 0
F 13	0 31	15 24	4 59	3 47	0 13	19 55	3 42	2 52	4 34	22 53	0 4	5 29	2 0	7 42	0 48	21 0
S 14	0 7	17 23	5 15	4 31	0 6	20 17	3 47	2 56	4 30	22 52	0 4	5 27	2 0	7 43	0 48	21 0
S 15	0s17	18 18	5 12	5 15	0s 1	20 38	3 52	3 0	4 27	22 52	0 4	5 24	2 0	7 44	0 48	20 59
M 16	0 40	18 4	4 51	5 59	0 8	20 58	3 57	3 5	4 24	22 51	0 4	5 21	2 0	7 44	0 48	20 59
T 17	1 4	16 42	4 11	6 42	0 15	21 18	4 2	3 9	4 20	22 51	0 4	5 18	2 0	7 45	0 48	20 59
W 18	1 27	14 20	3 17	7 24	0 22	21 38	4 6	3 13	4 16	22 50	0 4	5 15	2 0	7 46	0 48	20 59
T 19	1 51	11 7	2 11	8 6	0 29	21 57	4 11	3 16	4 13	22 50	0 4	5 12	2 0	7 47	0 48	20 59
F 20	2 14	7 19	0 58	8 47	0 36	22 16	4 16	3 20	4 9	22 49	0 4	5 9	2 0	7 48	0 48	20 58
S 21	2 38	3 11	0s17	9 28	0 43	22 34	4 20	3 23	4 5	22 49	0 4	5 7	2 0	7 48	0 48	20 58
S 22	3 1	1n 3	1 30	10 8	0 51	22 51	4 25	3 26	4 1	22 48	0 4	5 4	2 1	7 49	0 48	20 58
M 23	3 25	5 10	2 37	10 48	0 58	23 9	4 29	3 29	3 57	22 48	0 3	5 1	2 1	7 50	0 48	20 58
T 24	3 48	8 56	3 34	11 27	1 5	23 25	4 34	3 32	3 53	22 47	0 3	4 58	2 1	7 51	0 48	20 58
W 25	4 12	12 13	4 19	12 5	1 11	23 41	4 38	3 35	3 48	22 47	0 3	4 56	2 1	7 52	0 48	20 58
T 26	4 35	14 53	4 51	12 42	1 18	23 57	4 42	3 37	3 44	22 47	0 3	4 53	2 1	7 52	0 48	20 58
F 27	4 58	16 50	5 9	13 19	1 25	24 12	4 46	3 39	3 40	22 46	0 3	4 50	2 1	7 53	0 48	20 57
S 28	5 21	18 1	5 14	13 55	1 32	24 27	4 50	3 41	3 35	22 46	0 3	4 47	2 1	7 54	0 48	20 57
S 29	5 45	18 24	5 5	14 30	1 38	24 41	4 53	3 42	3 31	22 45	0 3	4 45	2 1	7 54	0 48	20 57
M 30	6s 8	17n58	4s42	15s 4	1s45	24s54	4s57	3s44	3s26	22n45	0s 3	4n42	2n 1	7s55	0s48	20n57

Julian Day Number = 2239956.5, Delta T = 290.00 sec
 Ecliptic obliquity = 23°30'44", Nutation = - 0°00'03"
 Ayanamsha: Fagan/Bradley = 16°39'31", Lahiri = 15°46'31" Julian Calendar 1 Sept. 1420 == Greg. Calendar 10 Sept. 1420

SWISS EPHEMERIS for the year 1420

OCTOBER 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	1 13 35	16♌30'55	27♄ 8	6♍.59	0♄ 6	28°R21	13♄51	22♎59	11°R43	24♄ 6	27°R 5	19♎12	17♎56	4♄43	18♄ 8	
W 2	1 17 32	17°30'35	9♄10	8°21	0°49	28°R 9	13°56	23° 6	11°R41	24° 6	27°R 5	19°14	17°53	4°49	18° 9	
T 3	1 21 28	18°30'16	21°26	9°42	1°30	27°58	14° 0	23°13	11°39	24° 7	27° 5	19°15	17°50	4°56	18°10	
F 4	1 25 25	19°30'00	3♎58	11° 2	2°11	27°47	14° 3	23°20	11°38	24° 8	27° 4	19°17	17°46	5° 3	18°12	
S 5	1 29 21	20°29'46	16°50	12°21	2°50	27°37	14° 7	23°27	11°36	24° 8	27° 4	19°R18	17°43	5°10	18°13	
S 6	1 33 18	21°29'34	0♌ 3	13°38	3°28	27°28	14°10	23°34	11°34	24° 8	27° 4	19°17	17°40	5°16	18°14	
M 7	1 37 14	22°29'24	13°39	14°55	4° 5	27°19	14°14	23°40	11°33	24° 9	27° 3	19°15	17°37	5°23	18°16	
T 8	1 41 11	23°29'17	27°36	16° 9	4°41	27°11	14°17	23°47	11°31	24° 9	27° 3	19°12	17°34	5°30	18°17	
W 9	1 45 7	24°29'11	11♍49	17°23	5°16	27° 5	14°20	23°54	11°29	24°10	27° 2	19° 7	17°30	5°36	18°19	
T 10	1 49 4	25°29'07	26°14	18°34	5°49	26°58	14°23	24° 1	11°28	24°10	27° 2	19° 1	17°27	5°43	18°21	
F 11	1 53 1	26°29'05	10♄45	19°44	6°21	26°53	14°25	24° 8	11°26	24°10	27° 1	18°55	17°24	5°50	18°22	
S 12	1 56 57	27°29'05	25°15	20°52	6°51	26°49	14°27	24°14	11°25	24°10	27° 1	18°50	17°21	5°57	18°24	
S 13	2 0 54	28°29'07	9♄39	21°57	7°19	26°45	14°30	24°21	11°24	24°11	27° 0	18°47	17°18	6° 3	18°26	
M14	2 4 50	29°29'10	23°53	23° 0	7°47	26°42	14°32	24°27	11°22	24°11	27° 0	18°D46	17°15	6°10	18°28	
T 15	2 8 47	0♍29'14	7♄56	24° 0	8°12	26°40	14°33	24°34	11°21	24°11	26°59	18°46	17°11	6°17	18°30	
W16	2 12 43	1°29'20	21°46	24°57	8°36	26°39	14°35	24°40	11°20	24°11	26°59	18°47	17° 8	6°23	18°32	
T 17	2 16 40	2°29'28	5♄24	25°51	8°58	26°D38	14°36	24°47	11°18	24°11	26°58	18°48	17° 5	6°30	18°34	
F 18	2 20 36	3°29'37	18°50	26°40	9°18	26°39	14°37	24°53	11°17	24°R11	26°57	18°R49	17° 2	6°37	18°37	
S 19	2 24 33	4°29'48	2°V 4	27°26	9°36	26°40	14°38	25° 0	11°16	24°11	26°57	18°48	16°59	6°44	18°39	
S 20	2 28 30	5°30'00	15° 7	28° 6	9°52	26°42	14°39	25° 6	11°15	24°11	26°56	18°45	16°56	6°50	18°41	
M21	2 32 26	6°30'14	27°58	28°41	10° 6	26°45	14°40	25°12	11°14	24°11	26°55	18°40	16°52	6°57	18°44	
T 22	2 36 23	7°30'30	10♄38	29°10	10°18	26°48	14°40	25°18	11°13	24°11	26°55	18°32	16°49	7° 4	18°46	
W23	2 40 19	8°30'48	23° 6	29°32	10°28	26°53	14°40	25°24	11°12	24°11	26°54	18°23	16°46	7°10	18°49	
T 24	2 44 16	9°31'08	5♍22	29°47	10°35	26°58	14°R40	25°30	11°11	24°11	26°53	18°13	16°43	7°17	18°51	
F 25	2 48 12	10°31'29	17°29	29°R54	10°40	27° 3	14°40	25°36	11°10	24°10	26°52	18° 3	16°40	7°24	18°54	
S 26	2 52 9	11°31'52	29°27	29°52	10°43	27°10	14°40	25°42	11° 9	24°10	26°52	17°54	16°36	7°31	18°57	
S 27	2 56 5	12°32'17	11♄19	29°41	10°R44	27°17	14°39	25°48	11° 8	24°10	26°51	17°47	16°33	7°37	19° 0	
M28	3 0 2	13°32'44	23°10	29°20	10°42	27°25	14°39	25°54	11° 8	24°10	26°50	17°43	16°30	7°44	19° 2	
T 29	3 3 59	14°33'13	5♌ 2	28°48	10°38	27°34	14°38	26° 0	11° 7	24° 9	26°49	17°40	16°27	7°51	19° 5	
W30	3 7 55	15°33'44	17° 2	28° 6	10°31	27°43	14°36	26° 6	11° 6	24° 9	26°48	17°D39	16°24	7°57	19° 8	
T 31	3 11 52	16♍34'17	29♌13	27♍15	10♄22	27°53	14♄35	26♎11	11°R 6	24♄ 8	26°R47	17°R40	16♎21	8♄ 4	19°R11	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	6s31	16n44	4s 8	15s38	1s51	25s 7	5s 0	3s45	3s22	22n45	0s 3	4n39	2n 2	7s56	0s48	20n57	0s25	18n23	5s 6	4n17	4n47	18n30	15s25	6n56
W 2	6 54	14 46	3 22	16 10	1 57	25 20	5 4	3 45	3 17	22 44	0 2	4 37	2 2	7 57	0 48	20 57	0 25	18 23	5 6	4 17	4 48	18 30	15 25	6 55
T 3	7 16	12 5	2 27	16 42	2 3	25 32	5 7	3 46	3 13	22 44	0 2	4 34	2 2	7 57	0 48	20 57	0 25	18 23	5 6	4 16	4 50	18 30	15 25	6 55
F 4	7 39	8 48	1 23	17 13	2 8	25 43	5 10	3 46	3 8	22 44	0 2	4 31	2 2	7 58	0 48	20 57	0 25	18 23	5 6	4 15	4 51	18 30	15 26	6 54
S 5	8 2	5 1	0 14	17 43	2 14	25 54	5 13	3 46	3 4	22 44	0 2	4 29	2 2	7 58	0 48	20 57	0 25	18 23	5 6	4 15	4 52	18 30	15 26	6 54
S 6	8 24	0 52	0n58	18 11	2 19	26 4	5 15	3 45	2 59	22 43	0 2	4 26	2 2	7 59	0 48	20 56	0 25	18 23	5 6	4 15	4 53	18 30	15 26	6 53
M 7	8 47	3s25	2 9	18 39	2 24	26 13	5 17	3 44	2 55	22 43	0 2	4 23	2 2	8 0	0 48	20 56	0 25	18 23	5 6	4 16	4 55	18 30	15 27	6 53
T 8	9 9	7 38	3 14	19 6	2 29	26 22	5 20	3 43	2 50	22 43	0 2	4 21	2 2	8 0	0 48	20 56	0 25	18 23	5 6	4 17	4 56	18 30	15 27	6 52
W 9	9 31	11 30	4 7	19 31	2 33	26 31	5 22	3 42	2 46	22 43	0 2	4 18	2 3	8 1	0 48	20 56	0 25	18 23	5 6	4 19	4 57	18 30	15 27	6 52
T 10	9 53	14 44	4 46	19 55	2 37	26 38	5 23	3 40	2 41	22 43	0 2	4 16	2 3	8 1	0 48	20 56	0 25	18 23	5 6	4 22	4 58	18 30	15 28	6 51
F 11	10 15	17 3	5 7	20 18	2 41	26 46	5 25	3 38	2 37	22 42	0 1	4 13	2 3	8 2	0 48	20 56	0 25	18 23	5 6	4 24	5 0	18 30	15 28	6 51
S 12	10 37	18 17	5 8	20 39	2 44	26 52	5 26	3 36	2 32	22 42	0 1	4 11	2 3	8 2	0 48	20 56	0 25	18 23	5 6	4 26	5 1	18 30	15 28	6 50
S 13	10 58	18 20	4 50	20 59	2 47	26 58	5 27	3 33	2 28	22 42	0 1	4 8	2 3	8 3	0 48	20 56	0 25	18 23	5 6	4 27	5 2	18 30	15 28	6 50
M14	11 19	17 13	4 14	21 18	2 49	27 3	5 27	3 30	2 23	22 42	0 1	4 6	2 3	8 3	0 48	20 56	0 25	18 22	5 6	4 28	5 3	18 30	15 29	6 49
T 15	11 41	15 4	3 23	21 35	2 51	27 8	5 28	3 27	2 19	22 42	0 1	4 3	2 3	8 4	0 48	20 56	0 25	18 22	5 6	4 28	5 4	18 30	15 29	6 49
W16	12 2	12 4	2 21	21 50	2 52	27 12	5 28	3 24	2 15	22 42	0 1	4 1	2 4	8 4	0 48	20 56	0 25	18 22	5 6	4 27	5 4	18 30	15 29	6 48
T 17	12 22	8 27	1 12	22 4	2 52	27 15	5 27	3 20	2 11	22 42	0 1	3 58	2 4	8 5	0 48	20 56	0 25	18 22	5 6	4 27	5 7	18 30	15 29	6 48
F 18	12 43	4 26	0s 0	22 15	2 52	27 17	5 27	3 16	2 6	22 42	0 1	3 56	2 4	8 5	0 48	20 56	0 25	18 22	5 6	4 26	5 8	18 30	15 29	6 47
S 19	13 4	0 16	1 11	22 25	2 51	27 19	5 25	3 12	2 2	22 42	0 0	3 54	2 4	8 6	0 48	20 56	0 25	18 22	5 7	4 27	5 9	18 30	15 29	6 47
S 20	13 24	3n52	2 17	22 32	2 49	27 20	5 24	3 7	1 58	22 42	0 0	3 51	2 4	8 6	0 48	20 56	0 25	18 22	5 7	4 28	5 11	18 30	15 30	6 46
M21	13 44	7 45	3 15	22 37	2 46	27 20	5 22	3 2	1 54	22 42	0 0	3 49	2 4	8 6	0 48	20 56	0 25	18 22	5 7	4 30	5 12	18 30	15 30	6 46
T 22	14 4	11 13	4 2	22 40	2 41	27 20	5 20	2 57	1 50	22 42	0 0	3 47	2 5	8 7	0 48	20 56	0 25	18 22	5 7	4 33	5 13	18 30	15 30	6 45
W23	14 23	14 8	4 37	22 39	2 36	27 19	5 17	2 52	1 46	22 42	0n 0	3 44	2 5	8 7	0 47	20 56	0 25	18 22	5 7	4 37	5 14	18 30	15 30	6 45
T 24	14 42	16 22	4 58	22 36	2 30	27 17	5 14	2 47	1 42	22 42	0 0	3 42	2 5	8 7	0 47	20 56	0 25	18 22	5 7	4 40	5 16	18 30	15 30	6 45
F 25	15 1	17 51	5 6	22 30	2 22	27 14	5 10	2 41	1 38	22 42	0 0	3 40	2 5	8 8	0 47	20 56	0 25	18 22	5 7	4 44	5 17	18 30	15 30	6 44
S 26	15 20	18 31	5 0	22 20	2 12	27 10	5 6	2 35	1 35	22 43	0 0	3 38	2 5	8 8	0 47	20 56	0 25	18 22	5 7	4 48	5 18	18 30	15 30	6 44
S 27	15 39	18 22	4 41	22 7	2 2	27 5	5 1	2 28	1 31	22 43	0 1	3 36	2 6	8 8	0 47	20 56	0 25	18 22	5 7	4 50	5 19	18 30	15 30	6 43
M28	15 57	17 25	4 10	21 51	1 49	27 0	4 56	2 22	1 27	22 43	0 1	3 33	2 6	8 9	0 47	20 56	0 25	18 22	5 7	4 52	5 21	18 30	15 30	6 43
T 29	16 15	15 42	3 28	21 30	1 35	26 53	4 50	2 15	1 24	22														

SWISS EPHEMERIS for the year 1420

NOVEMBER 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
F 1	3 15 48	17°34'51	11°43'	26°R13	10°R11	28°K 4	14°R33	26°M 17	11°R 5	24°R 8	26°R46	17°R41	16°M 17	8°E 11	19°E 14
S 2	3 19 45	18°35'27	24°35'	25°M 4	9°K 57	28°15	14°E 32	26°22	11°K 5	24°E 8	26°M 46	17°M 41	16°14	8°18	19°18
S 3	3 23 41	19°36'05	7°E 52	23°48	9°40	28°27	14°30	26°28	11°4	24°7	26°45	17°39	16°11	8°24	19°21
M 4	3 27 38	20°36'44	21°38'	22°28	9°22	28°39	14°27	26°33	11°4	24°7	26°44	17°34	16°8	8°31	19°24
T 5	3 31 34	21°37'25	5°M 50	21°7	9°1	28°52	14°25	26°38	11°3	24°6	26°43	17°27	16°5	8°38	19°28
W 6	3 35 31	22°38'08	20°25'	19°46	8°38	29°6	14°22	26°44	11°3	24°5	26°42	17°18	16°1	8°44	19°31
T 7	3 39 28	23°38'52	5°K 16	18°29	8°12	29°21	14°20	26°49	11°3	24°5	26°41	17°8	15°58	8°51	19°34
F 8	3 43 24	24°39'38	20°15'	17°18	7°45	29°36	14°17	26°54	11°3	24°4	26°40	16°57	15°55	8°58	19°38
S 9	3 47 21	25°40'25	5°E 11	16°15	7°16	29°51	14°13	26°59	11°2	24°3	26°39	16°48	15°52	9°5	19°41
S 10	3 51 17	26°41'12	19°56'	15°23	6°45	0°V 7	14°10	27°4	11°2	24°3	26°38	16°41	15°49	9°11	19°45
M 11	3 55 14	27°42'01	4°E 25	14°41	6°13	0°24	14°7	27°9	11°D 2	24°2	26°37	16°36	15°46	9°18	19°49
T 12	3 59 10	28°42'51	18°33'	14°10	5°40	0°41	14°3	27°14	11°2	24°1	26°36	16°34	15°42	9°25	19°52
W 13	4 3 7	29°43'41	2°K 21	13°52	5°5	0°59	13°59	27°18	11°2	24°0	26°35	16°D 34	15°39	9°31	19°56
T 14	4 7 3	0°K 44'33	15°49'	13°D 44	4°30	1°17	13°55	27°23	11°2	23°59	26°34	16°R 34	15°36	9°38	20°0
F 15	4 11 0	1°45'25	28°59'	13°48	3°54	1°36	13°51	27°27	11°3	23°59	26°33	16°33	15°33	9°45	20°4
S 16	4 14 57	2°46'18	11°V 54	14°1	3°17	1°55	13°46	27°32	11°3	23°58	26°31	16°31	15°30	9°51	20°8
S 17	4 18 53	3°47'12	24°37'	14°23	2°41	2°15	13°41	27°36	11°3	23°57	26°30	16°26	15°27	9°58	20°12
M 18	4 22 50	4°48'07	7°E 10	14°54	2°4	2°35	13°37	27°41	11°3	23°56	26°29	16°17	15°23	10°5	20°16
T 19	4 26 46	5°49'03	19°33'	15°33	1°29	2°55	13°32	27°45	11°4	23°55	26°28	16°6	15°20	10°12	20°20
W 20	4 30 43	6°50'00	1°E 48	16°17	0°53	3°16	13°27	27°49	11°4	23°54	26°27	15°53	15°17	10°18	20°24
T 21	4 34 39	7°50'57	13°55'	17°8	0°19	3°38	13°21	27°53	11°5	23°53	26°26	15°38	15°14	10°25	20°28
F 22	4 38 36	8°51'56	25°55'	18°4	29°M 46	3°59	13°16	27°57	11°5	23°52	26°25	15°23	15°11	10°32	20°32
S 23	4 42 32	9°52'56	7°E 50	19°5	29°14	4°22	13°10	28°1	11°6	23°51	26°24	15°10	15°7	10°38	20°36
S 24	4 46 29	10°53'57	19°41'	20°9	28°43	4°44	13°4	28°5	11°6	23°49	26°22	14°59	15°4	10°45	20°41
M 25	4 50 26	11°54'58	1°E 30	21°17	28°15	5°7	12°59	28°8	11°7	23°48	26°21	14°50	15°1	10°52	20°45
T 26	4 54 22	12°56'01	13°21'	22°28	27°48	5°31	12°53	28°12	11°8	23°47	26°20	14°45	14°58	10°59	20°49
W 27	4 58 19	13°57'04	25°18'	23°41	27°24	5°54	12°46	28°15	11°8	23°46	26°19	14°42	14°55	11°5	20°54
T 28	5 2 15	14°58'09	7°M 26	24°57	27°1	6°18	12°40	28°19	11°9	23°45	26°18	14°41	14°52	11°12	20°58
F 29	5 6 12	15°59'14	19°51'	26°14	26°41	6°43	12°33	28°22	11°10	23°43	26°17	14°41	14°48	11°19	21°2
S 30	5 10 8	17°K 0'20	2°E 37	27°M 34	26°M 23	7°V 7	12°E 27	28°M 25	11°K 11	23°E 42	26°M 15	14°M 41	14°M 45	11°E 25	21°E 7

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s 8	6n24	0s32	20s 4	0s43	26s28	4s29	1s54	1s13	22n44	0n 1	3n25	2n 7	8s 9	0s47
S 2	17 25	2 43	0n37	19 28	0 24	26 18	4 20	1 46	1 10	22 44	0 1	3 23	2 7	8 10	0 47
S 3	17 41	1s31	1 46	18 50	0 3	26 7	4 12	1 38	1 7	22 45	0 2	3 21	2 7	8 10	0 47
M 4	17 58	5 49	2 51	18 10	0n17	25 54	4 2	1 30	1 4	22 45	0 2	3 19	2 7	8 10	0 47
T 5	18 13	9 56	3 47	17 29	0 38	25 41	3 52	1 22	1 0	22 46	0 2	3 17	2 7	8 10	0 47
W 6	18 29	13 34	4 30	16 49	0 57	25 27	3 41	1 14	0 57	22 46	0 2	3 15	2 8	8 10	0 47
T 7	18 44	16 23	4 56	16 10	1 16	25 12	3 30	1 5	0 54	22 46	0 2	3 13	2 8	8 10	0 47
F 8	18 59	18 8	5 2	15 34	1 33	24 55	3 18	0 57	0 51	22 47	0 2	3 12	2 8	8 10	0 47
S 9	19 14	18 38	4 47	15 1	1 48	24 38	3 5	0 48	0 48	22 47	0 2	3 10	2 8	8 10	0 47
S 10	19 28	17 51	4 13	14 33	2 1	24 20	2 52	0 39	0 45	22 48	0 3	3 8	2 8	8 10	0 47
M 11	19 42	15 55	3 24	14 11	2 13	24 1	2 39	0 30	0 43	22 48	0 3	3 6	2 9	8 10	0 47
T 12	19 56	13 3	2 23	13 53	2 28	23 42	2 25	0 20	0 40	22 49	0 3	3 5	2 9	8 10	0 47
W 13	20 9	9 31	1 15	13 41	2 21	23 21	2 11	0 11	0 37	22 49	0 3	3 3	2 9	8 10	0 47
T 14	20 22	5 33	0 4	13 34	2 33	23 0	1 56	0 1	0 34	22 50	0 3	3 1	2 9	8 10	0 47
F 15	20 35	1 24	1s 5	13 32	2 36	22 39	1 41	0n 9	0 32	22 51	0 3	3 0	2 10	8 10	0 47
S 16	20 47	2n44	2 10	13 35	2 38	22 17	1 26	0 19	0 29	22 51	0 3	2 58	2 10	8 10	0 47
S 17	20 58	6 40	3 7	13 41	2 38	21 54	1 10	0 29	0 27	22 52	0 4	2 57	2 10	8 10	0 46
M 18	21 10	10 16	3 54	13 51	2 37	21 32	0 55	0 39	0 24	22 52	0 4	2 55	2 10	8 9	0 46
T 19	21 21	13 22	4 29	14 5	2 35	21 9	0 39	0 50	0 22	22 53	0 4	2 54	2 11	8 9	0 46
W 20	21 31	15 50	4 51	14 21	2 31	20 47	0 23	1 0	0 20	22 54	0 4	2 52	2 11	8 9	0 46
T 21	21 41	17 35	4 59	14 39	2 27	20 24	0 8	1 11	0 17	22 54	0 4	2 51	2 11	8 9	0 46
F 22	21 51	18 32	4 55	14 59	2 23	20 2	0n 7	1 22	0 15	22 55	0 4	2 50	2 11	8 9	0 46
S 23	22 0	18 40	4 37	15 20	2 17	19 41	0 23	1 33	0 13	22 56	0 4	2 48	2 12	8 8	0 46
S 24	22 9	17 59	4 7	15 43	2 12	19 19	0 38	1 44	0 11	22 57	0 5	2 47	2 12	8 8	0 46
M 25	22 17	16 31	3 27	16 7	2 5	18 59	0 52	1 55	0 8	22 57	0 5	2 46	2 12	8 8	0 46
T 26	22 25	14 21	2 37	16 32	1 59	18 39	1 7	2 6	0 6	22 58	0 5	2 45	2 12	8 7	0 46
W 27	22 33	11 33	1 41	16 57	1 52	18 20	1 20	2 17	0 4	22 59	0 5	2 43	2 13	8 7	0 46
T 28	22 40	8 13	0 38	17 22	1 45	18 2	1 34	2 28	0 2	23 0	0 5	2 42	2 13	8 7	0 46
F 29	22 46	4 27	0n27	17 47	1 37	17 44	1 47	2 40	0 0	23 0	0 5	2 41	2 13	8 6	0 46
S 30	22s53	0n23	1n33	18s13	1n30	17s28	1n59	2n52	0n 2	23n 1	0n 5	2n40	2n13	8s 6	0s46

Julian Day Number = 2240017.5, Delta T = 289.81 sec

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'06"

Ayanamsha: Fagan/Bradley = 16°39'39", Lahiri = 15°46'39" Julian Calendar 1 Nov. 1420 == Greg. Calendar 10 Nov. 1420

SWISS EPHEMERIS for the year 1420

DECEMBER 1420 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	5 14 5	18♂1'28	15♂49	28♂54	26°R 8	7♂32	12°R20	28♂28	11♂12	23°R41	26°R14	14°R39	14♂42	11♂32	21♂11
M 2	5 18 1	19° 2'36	29°30	0♂17	25♂55	7°58	12♂13	28°31	11°13	23♂40	26°R13	14♂34	14°39	11°39	21°16
T 3	5 21 58	20° 3'45	13♂42	1°40	25°44	8°23	12° 6	28°34	11°14	23°38	26°12	14°27	14°36	11°46	21°20
W 4	5 25 55	21° 4'54	28°23	3° 4	25°36	8°49	11°59	28°37	11°15	23°37	26°11	14°17	14°33	11°52	21°25
T 5	5 29 51	22° 6'04	13♂25	4°29	25°31	9°16	11°52	28°40	11°16	23°36	26° 9	14° 5	14°29	11°59	21°30
F 6	5 33 48	23° 7'15	28°40	5°55	25°28	9°42	11°45	28°43	11°18	23°34	26° 8	13°53	14°26	12° 6	21°34
S 7	5 37 44	24° 8'26	13♂57	7°22	25°D27	10° 9	11°37	28°45	11°19	23°33	26° 7	13°43	14°23	12°12	21°39
S 8	5 41 41	25° 9'38	29° 4	8°49	25°29	10°36	11°30	28°48	11°20	23°31	26° 6	13°34	14°20	12°19	21°44
M 9	5 45 37	26°10'49	13♂52	10°17	25°34	11° 4	11°22	28°50	11°22	23°30	26° 5	13°29	14°17	12°26	21°49
T 10	5 49 34	27°12'00	28°16	11°46	25°40	11°32	11°15	28°52	11°23	23°28	26° 3	13°26	14°13	12°33	21°53
W 11	5 53 30	28°13'12	12♂14	13°15	25°49	12° 0	11° 7	28°54	11°25	23°27	26° 2	13°D25	14°10	12°39	21°58
T 12	5 57 27	29°14'23	25°45	14°44	26° 0	12°28	10°59	28°56	11°26	23°25	26° 1	13°R25	14° 7	12°46	22° 3
F 13	6 1 24	0♂15'33	8♂53	16°14	26°14	12°56	10°51	28°58	11°28	23°24	26° 0	13°25	14° 4	12°53	22° 8
S 14	6 5 20	1°16'44	21°42	17°44	26°29	13°25	10°44	29° 0	11°29	23°22	25°59	13°23	14° 1	12°59	22°13
S 15	6 9 17	2°17'55	4♂15	19°15	26°46	13°54	10°36	29° 2	11°31	23°21	25°57	13°19	13°58	13° 6	22°17
M 16	6 13 13	3°19'05	16°35	20°46	27° 6	14°23	10°28	29° 3	11°33	23°19	25°56	13°12	13°54	13°13	22°22
T 17	6 17 10	4°20'15	28°45	22°17	27°27	14°52	10°20	29° 5	11°34	23°18	25°55	13° 2	13°51	13°19	22°27
W 18	6 21 6	5°21'25	10♂49	23°49	27°51	15°22	10°12	29° 6	11°36	23°16	25°54	12°50	13°48	13°26	22°32
T 19	6 25 3	6°22'35	22°47	25°21	28°16	15°52	10° 4	29° 7	11°38	23°14	25°53	12°37	13°45	13°33	22°37
F 20	6 28 59	7°23'45	4♂42	26°54	28°43	16°21	9°56	29° 9	11°40	23°13	25°51	12°23	13°42	13°40	22°42
S 21	6 32 56	8°24'54	16°33	28°27	29°11	16°52	9°47	29°10	11°42	23°11	25°50	12°11	13°39	13°46	22°47
S 22	6 36 53	9°26'04	28°24	29°59	29°41	17°22	9°39	29°11	11°44	23°10	25°49	12° 1	13°35	13°53	22°52
M 23	6 40 49	10°27'13	10♂16	1♂34	0♂13	17°52	9°31	29°11	11°46	23° 8	25°48	11°53	13°32	14° 0	22°57
T 24	6 44 46	11°28'22	22°10	3° 8	0°46	18°23	9°23	29°12	11°48	23° 6	25°47	11°49	13°29	14° 6	23° 2
W 25	6 48 42	12°29'31	4♂10	4°43	1°21	18°54	9°15	29°13	11°50	23° 5	25°45	11°46	13°26	14°13	23° 7
T 26	6 52 39	13°30'39	16°19	6°18	1°57	19°25	9° 7	29°13	11°52	23° 3	25°44	11°D46	13°23	14°20	23°12
F 27	6 56 35	14°31'48	28°43	7°53	2°34	19°56	8°59	29°14	11°54	23° 1	25°43	11°47	13°19	14°27	23°17
S 28	7 0 32	15°32'56	11♂25	9°29	3°13	20°27	8°51	29°14	11°56	23° 0	25°42	11°R48	13°16	14°33	23°22
S 29	7 4 28	16°34'04	24°30	11° 6	3°53	20°59	8°43	29°14	11°59	22°58	25°41	11°48	13°13	14°40	23°27
M 30	7 8 25	17°35'12	8♂ 2	12°43	4°34	21°31	8°35	29°R14	12° 1	22°56	25°40	11°46	13°10	14°47	23°33
T 31	7 12 22	18°36'20	22♂ 2	14♂20	5♂17	22°Y 2	8♂27	29♂14	12♂ 3	22♂55	25♂39	11♂41	13♂ 7	14♂53	23♂38

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	22s58	3s50	2n37	18s38	1n22	17s13	2n12	3n 3	0n 3	23n 2	0n 6	2n39	2n14	8s 6	0s46	21n 1	0s25	18n21	5s 7	6n 4	6n 3	18n26	15s24	6n31
M 2	23 3 8 0	3 33	19 3	1 15	16 59	2 23	3 15	0 5	23 3	0 6	2 38	2 14	8 5	0 46	21 1	0 25	18 21	5 7	6 6	6 4	18 26	15 23	6 31	
T 3	23 8 11 53	4 19	19 28	1 7	16 45	2 34	3 27	0 7	23 3	0 6	2 37	2 14	8 5	0 46	21 2	0 25	18 21	5 7	6 9	6 5	18 26	15 23	6 30	
W 4	23 13 15 9	4 49	19 52	0 59	16 33	2 45	3 39	0 9	23 4	0 6	2 36	2 15	8 4	0 46	21 2	0 25	18 21	5 7	6 12	6 6	18 25	15 22	6 30	
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F 6	23 20 18 40	4 51	20 38	0 44	16 12	3 4	4 3	0 12	23 6	0 6	2 35	2 15	8 3	0 46	21 2	0 25	18 21	5 7	6 21	6 9	18 25	15 21	6 30	
S 7	23 23 18 28	4 20	21 1	0 36	16 4	3 13	4 15	0 14	23 7	0 6	2 34	2 15	8 3	0 46	21 3	0 25	18 21	5 7	6 25	6 10	18 25	15 21	6 30	
S 8	23 25 16 57	3 32	21 22	0 29	15 56	3 21	4 27	0 16	23 7	0 7	2 33	2 16	8 2	0 46	21 3	0 25	18 21	5 7	6 29	6 11	18 25	15 20	6 29	
M 9	23 27 14 20	2 30	21 43	0 21	15 49	3 29	4 39	0 17	23 8	0 7	2 33	2 16	8 2	0 46	21 3	0 25	18 21	5 6	6 31	6 12	18 25	15 20	6 29	
T 10	23 29 10 52	1 19	22 2	0 14	15 44	3 36	4 51	0 19	23 9	0 7	2 32	2 16	8 1	0 46	21 3	0 25	18 21	5 6	6 32	6 14	18 24	15 19	6 29	
W 11	23 30 6 54	0 6	22 21	0 6	15 39	3 43	5 4	0 20	23 10	0 7	2 31	2 16	8 1	0 46	21 4	0 25	18 21	5 6	6 32	6 15	18 24	15 19	6 29	
T 12	23 31 2 41	1s 5	22 39	0s 1	15 36	3 50	5 16	0 22	23 11	0 7	2 31	2 17	8 0	0 46	21 4	0 25	18 21	5 6	6 32	6 16	18 24	15 18	6 29	
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S 14	23 30 5 34	3 8	23 12	0 15	15 31	4 1	5 41	0 25	23 12	0 8	2 30	2 17	7 59	0 45	21 4	0 25	18 21	5 6	6 33	6 18	18 24	15 17	6 28	
S 15	23 30 9 17	3 55	23 27	0 22	15 30	4 6	5 54	0 26	23 13	0 8	2 29	2 18	7 58	0 45	21 5	0 25	18 21	5 6	6 35	6 20	18 23	15 16	6 28	
M 16	23 28 12 31	4 30	23 40	0 29	15 30	4 11	6 6	0 27	23 14	0 8	2 29	2 18	7 57	0 45	21 5	0 25	18 21	5 6	6 37	6 21	18 23	15 16	6 28	
T 17	23 26 15 11	4 53	23 53	0 36	15 31	4 15	6 19	0 29	23 14	0 8	2 29	2 18	7 57	0 45	21 5	0 25	18 21	5 6	6 41	6 22	18 23	15 15	6 28	
W 18	23 24 17 9	5 2	24 4	0 42	15 32	4 19	6 32	0 30	23 15	0 8	2 28	2 18	7 56	0 45	21 5	0 25	18 21	5 6	6 46	6 23	18 23	15 15	6 28	
T 19	23 21 18 22	4 57	24 14	0 48	15 34	4 22	6 44	0 31	23 16	0 8	2 28	2 19	7 55	0 45	21 6	0 25	18 21	5 6	6 51	6 25	18 22	15 14	6 28	
F 20	23 18 18 46	4 40	24 23	0 55	15 37	4 25	6 57	0 32	23 17	0 8	2 28	2 19	7 54	0 45	21 6	0 25	18 21	5 6	6 56	6 26	18 22	15 13	6 28	
S 21	23 15 18 21	4 10	24 31	1 0	15 41	4 28	7 10	0 34	23 17	0 9	2 28	2 19	7 54	0 45	21 6	0 25	18 21	5 6	7 1	6 27	18 22	15 13	6 27	
S 22	23 11 17 7	3 30	24 37	1 6	15 45	4 30	7 23	0 35	23 18	0 9	2 28	2 20	7 53	0 45	21 7	0 25	18 21	5 6	7 5	6 28	18 22	15 12	6 27	
M 23	23 6 15 9	2 40	24 42	1 12	15 50	4 32	7 35	0 36	23 19	0 9	2 28	2 20	7 52	0 45	21 7	0 25	18 21	5 6	7 7	6 30	18 22	15 11	6 27	
T 24	23 1 12 33	1 43	24 45	1 17	15 55	4 34	7 48	0 37	23 20	0 9	2 28	2 20	7 51	0 45	21 7	0 25	18 21	5 5	7 9	6 31	18 21	15 10	6 27	
W 25	22 55 9 23	0 41	24 48	1 22	16 0	4 35	8 1	0 38	23 20	0 9	2 28	2 20	7 50	0 45	21 7	0 25	18 21	5 5	7 10	6 32	18 21	15 10	6 27	
T 26	22 49 5 47	0n24	24 49	1 27	16 6	4 36	8 14	0 39	23 21	0 9	2 28	2 21	7 50	0 45	21 8	0 25	18 21	5 5	7 10	6 33	18 21	15 9	6 27	
F 27	22 43 1 53	1 30	24 48	1 32	16 13	4 37	8 27	0 41	23 22	0 9	2 28	2 21	7 49	0 45	21 8	0 25	18 22	5 5	7 10	6 34	18 21	15 8	6 27	
S 28	22 36 2s12	2 32	24 46	1 36	16 20	4 37	8 39	0 42	23 22	0 10	2 28	2 21	7 48	0 45	21 8	0 25	18 22	5 5	7 10	6 36	18 20	15 7	6 27	
S 29	22 29 6 17	3 29	24 42	1 40	16 27	4 37	8 52	0 43	23 23	0 10	2 28	2 22	7 47	0 45	21 9	0 25	18 22	5 5	7					