

SWISS EPHEMERIS for the year 2287

JANUARY 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	6 41 50	10 ¹² 12'35	14 ⁵⁸ 8	27 [°] R38	15 [≈] 48	20 [♈] 46	26 [°] R35	14 [≈] 43	12 [°] R 7	7 [♈] 38	26 [≈] 5	2 [°] R34	4 [♈] 13	1 [♈] 5	18 [°] R38		
S 2	6 45 46	11 [°] 13'42	26 [°] 26	26 [≈] 56	17 [°] 2	21 [°] 25	26 [≈] 28	14 [°] 50	12 [≈] 4	7 [°] 39	26 [°] 6	2 [♈] 26	4 [°] 10	1 [°] 11	18 [≈] 34		
M 3	6 49 43	12 [°] 14'49	8 [♈] 54	26 [°] 25	18 [°] 15	22 [°] 3	26 [°] 20	14 [°] 56	12 [°] 1	7 [°] 40	26 [°] 8	2 [°] 21	4 [°] 6	1 [°] 18	18 [°] 30		
T 4	6 53 40	13 [°] 15'56	21 [°] 31	26 [°] 5	19 [°] 28	22 [°] 42	26 [°] 12	15 [°] 2	11 [°] 59	7 [°] 41	26 [°] 9	2 [°] 18	4 [°] 3	1 [°] 25	18 [°] 26		
W 5	6 57 36	14 [°] 17'03	4 [♈] 20	25 [°] 55	20 [°] 41	23 [°] 20	26 [°] 5	15 [°] 9	11 [°] 56	7 [°] 43	26 [°] 10	2 [°] D17	4 [°] 0	1 [°] 32	18 [°] 22		
T 6	7 1 33	15 [°] 18'11	17 [°] 22	25 [°] D54	21 [°] 54	23 [°] 59	25 [°] 57	15 [°] 15	11 [°] 54	7 [°] 44	26 [°] 12	2 [°] 18	3 [°] 57	1 [°] 38	18 [°] 18		
F 7	7 5 29	16 [°] 19'19	0 [♈] 40	26 [°] 2	23 [°] 7	24 [°] 37	25 [°] 49	15 [°] 22	11 [°] 51	7 [°] 45	26 [°] 13	2 [°] 19	3 [°] 54	1 [°] 45	18 [°] 13		
S 8	7 9 26	17 [°] 20'28	14 [°] 16	26 [°] 18	24 [°] 20	25 [°] 16	25 [°] 41	15 [°] 29	11 [°] 48	7 [°] 46	26 [°] 14	2 [°] R20	3 [°] 50	1 [°] 52	18 [°] 9		
S 9	7 13 22	18 [°] 21'37	28 [°] 10	26 [°] 42	25 [°] 33	25 [°] 54	25 [°] 33	15 [°] 35	11 [°] 46	7 [°] 47	26 [°] 16	2 [°] 20	3 [°] 47	1 [°] 58	18 [°] 5		
M10	7 17 19	19 [°] 22'46	12 [♈] 24	27 [°] 13	26 [°] 46	26 [°] 33	25 [°] 25	15 [°] 42	11 [°] 43	7 [°] 48	26 [°] 17	2 [°] 18	3 [°] 44	2 [°] 5	18 [°] 1		
T 11	7 21 15	20 [°] 23'55	26 [°] 54	27 [°] 50	27 [°] 59	27 [°] 11	25 [°] 17	15 [°] 49	11 [°] 41	7 [°] 49	26 [°] 19	2 [°] 14	3 [°] 41	2 [°] 12	17 [°] 57		
W12	7 25 12	21 [°] 25'05	11 [♈] 39	28 [°] 32	29 [°] 11	27 [°] 50	25 [°] 9	15 [°] 55	11 [°] 38	7 [°] 50	26 [°] 20	2 [°] 8	3 [°] 38	2 [°] 19	17 [°] 52		
T 13	7 29 9	22 [°] 26'15	26 [°] 30	29 [°] 19	0 [♈] 24	28 [°] 28	25 [°] 1	16 [°] 2	11 [°] 36	7 [°] 51	26 [°] 22	2 [°] 2	3 [°] 35	2 [°] 25	17 [°] 48		
F 14	7 33 5	23 [°] 27'25	11 [♈] 20	0 [♈] 11	1 [°] 37	29 [°] 7	24 [°] 53	16 [°] 9	11 [°] 33	7 [°] 51	26 [°] 23	1 [°] 55	3 [°] 31	2 [°] 32	17 [°] 44		
S 15	7 37 2	24 [°] 28'34	26 [°] 0	1 [°] 6	2 [°] 49	29 [°] 45	24 [°] 45	16 [°] 16	11 [°] 31	7 [°] 52	26 [°] 25	1 [°] 50	3 [°] 28	2 [°] 39	17 [°] 40		
S 16	7 40 58	25 [°] 29'44	10 [≈] 24	2 [°] 5	4 [°] 2	0 [♈] 24	24 [°] 37	16 [°] 23	11 [°] 28	7 [°] 53	26 [°] 26	1 [°] 46	3 [°] 25	2 [°] 45	17 [°] 36		
M17	7 44 55	26 [°] 30'53	24 [°] 25	3 [°] 7	5 [°] 14	1 [°] 2	24 [°] 28	16 [°] 29	11 [°] 26	7 [°] 54	26 [°] 28	1 [°] 45	3 [°] 22	2 [°] 52	17 [°] 32		
T 18	7 48 51	27 [°] 32'01	8 [♈] 0	4 [°] 12	6 [°] 26	1 [°] 41	24 [°] 20	16 [°] 36	11 [°] 23	7 [°] 55	26 [°] 30	1 [°] D45	3 [°] 19	2 [°] 59	17 [°] 28		
W19	7 52 48	28 [°] 33'09	21 [°] 11	5 [°] 19	7 [°] 39	2 [°] 19	24 [°] 12	16 [°] 43	11 [°] 21	7 [°] 55	26 [°] 31	1 [°] 46	3 [°] 16	3 [°] 6	17 [°] 23		
T 20	7 56 45	29 [°] 34'16	3 [♈] 57	6 [°] 29	8 [°] 51	2 [°] 58	24 [°] 4	16 [°] 50	11 [°] 18	7 [°] 56	26 [°] 33	1 [°] 48	3 [°] 12	3 [°] 12	17 [°] 19		
F 21	8 0 41	0 [≈] 35'22	16 [°] 23	7 [°] 40	10 [°] 3	3 [°] 36	23 [°] 56	16 [°] 57	11 [°] 16	7 [°] 57	26 [°] 34	1 [°] 49	3 [°] 9	3 [°] 19	17 [°] 15		
S 22	8 4 38	1 [°] 36'28	28 [°] 34	8 [°] 54	11 [°] 15	4 [°] 15	23 [°] 48	17 [°] 4	11 [°] 14	7 [°] 57	26 [°] 36	1 [°] R50	3 [°] 6	3 [°] 26	17 [°] 11		
S 23	8 8 34	2 [°] 37'33	10 [♈] 33	10 [°] 9	12 [°] 27	4 [°] 53	23 [°] 40	17 [°] 11	11 [°] 11	7 [°] 58	26 [°] 38	1 [°] 50	3 [°] 3	3 [°] 33	17 [°] 7		
M24	8 12 31	3 [°] 38'37	22 [°] 26	11 [°] 25	13 [°] 38	5 [°] 32	23 [°] 32	17 [°] 18	11 [°] 9	7 [°] 58	26 [°] 39	1 [°] 48	3 [°] 0	3 [°] 39	17 [°] 3		
T 25	8 16 27	4 [°] 39'41	4 [♈] 18	12 [°] 43	14 [°] 50	6 [°] 10	23 [°] 25	17 [°] 25	11 [°] 7	7 [°] 59	26 [°] 41	1 [°] 45	2 [°] 56	3 [°] 46	16 [°] 59		
W26	8 20 24	5 [°] 40'43	16 [°] 12	14 [°] 3	16 [°] 2	6 [°] 49	23 [°] 17	17 [°] 33	11 [°] 4	7 [°] 59	26 [°] 42	1 [°] 41	2 [°] 53	3 [°] 53	16 [°] 55		
T 27	8 24 20	6 [°] 41'45	28 [°] 13	15 [°] 23	17 [°] 13	7 [°] 27	23 [°] 9	17 [°] 40	11 [°] 2	8 [°] 0	26 [°] 44	1 [°] 37	2 [°] 50	3 [°] 59	16 [°] 52		
F 28	8 28 17	7 [°] 42'46	10 [≈] 23	16 [°] 45	18 [°] 25	8 [°] 6	23 [°] 2	17 [°] 47	11 [°] 0	8 [°] 0	26 [°] 46	1 [°] 33	2 [°] 47	4 [°] 6	16 [°] 48		
S 29	8 32 14	8 [°] 43'46	22 [°] 43	18 [°] 8	19 [°] 36	8 [°] 44	22 [°] 54	17 [°] 54	10 [°] 58	8 [°] 1	26 [°] 48	1 [°] 29	2 [°] 44	4 [°] 13	16 [°] 44		
S 30	8 36 10	9 [°] 44'45	5 [♈] 16	19 [°] 31	20 [°] 47	9 [°] 22	22 [°] 47	18 [°] 1	10 [°] 55	8 [°] 1	26 [°] 49	1 [°] 26	2 [°] 41	4 [°] 20	16 [°] 40		
M31	8 40 7	10 [≈] 45'44	18 [♈] 2	20 [≈] 56	21 [♈] 58	10 [♈] 1	22 [≈] 39	18 [≈] 8	10 [≈] 53	8 [♈] 1	26 [≈] 51	1 [♈] 24	2 [♈] 37	4 [♈] 26	16 [≈] 37		

Delta T = 10m56s

FEBRUARY 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	8 44 3	11 [≈] 46'41	1 [♈] 1	22 [≈] 21	23 [♈] 9	10 [♈] 39	22 [°] R32	18 [≈] 15	10 [°] R51	8 [♈] 1	26 [≈] 53	1 [°] D23	2 [♈] 34	4 [♈] 33	16 [°] R33		
W 2	8 48 0	12 [°] 47'38	14 [°] 12	23 [°] 48	24 [°] 20	11 [°] 18	22 [≈] 25	18 [°] 22	10 [≈] 49	8 [°] 2	26 [°] 54	1 [♈] 24	2 [°] 31	4 [°] 40	16 [≈] 29		
T 3	8 51 56	13 [°] 48'34	27 [°] 36	25 [°] 15	25 [°] 31	11 [°] 56	22 [°] 18	18 [°] 30	10 [°] 47	8 [°] 2	26 [°] 56	1 [°] 25	2 [°] 28	4 [°] 47	16 [°] 26		
F 4	8 55 53	14 [°] 49'29	11 [♈] 11	26 [°] 43	26 [°] 41	12 [°] 35	22 [°] 11	18 [°] 37	10 [°] 45	8 [°] 2	26 [°] 58	1 [°] 26	2 [°] 25	4 [°] 53	16 [°] 22		
S 5	8 59 49	15 [°] 50'24	24 [°] 58	28 [°] 12	27 [°] 52	13 [°] 13	22 [°] 4	18 [°] 44	10 [°] 43	8 [°] 2	26 [°] 59	1 [°] 28	2 [°] 21	5 [°] 0	16 [°] 19		
S 6	9 3 46	16 [°] 51'17	8 [♈] 56	29 [°] 42	29 [°] 2	13 [°] 51	21 [°] 57	18 [°] 51	10 [°] 41	8 [°] 2	27 [°] 1	1 [°] 28	2 [°] 18	5 [°] 7	16 [°] 15		
M 7	9 7 43	17 [°] 52'11	23 [°] 3	1 [≈] 12	0 [♈] 12	14 [°] 30	21 [°] 51	18 [°] 58	10 [°] 39	8 [°] 2	27 [°] 3	1 [°] R28	2 [°] 15	5 [°] 13	16 [°] 12		
T 8	9 11 39	18 [°] 53'03	7 [♈] 18	2 [°] 44	1 [°] 22	15 [°] 8	21 [°] 44	19 [°] 6	10 [°] 37	8 [°] R 2	27 [°] 5	1 [°] 28	2 [°] 12	5 [°] 20	16 [°] 9		
W 9	9 15 36	19 [°] 53'55	21 [°] 39	4 [°] 16	2 [°] 32	15 [°] 47	21 [°] 38	19 [°] 13	10 [°] 35	8 [°] 2	27 [°] 6	1 [°] 27	2 [°] 9	5 [°] 27	16 [°] 6		
T 10	9 19 32	20 [°] 54'46	6 [♈] 1	5 [°] 48	3 [°] 42	16 [°] 25	21 [°] 31	19 [°] 20	10 [°] 33	8 [°] 2	27 [°] 8	1 [°] 25	2 [°] 6	5 [°] 34	16 [°] 2		
F 11	9 23 29	21 [°] 55'36	20 [°] 21	7 [°] 22	4 [°] 52	17 [°] 3	21 [°] 25	19 [°] 27	10 [°] 32	8 [°] 2	27 [°] 10	1 [°] 24	2 [°] 2	5 [°] 40	15 [°] 59		
S 12	9 27 25	22 [°] 56'25	4 [≈] 34	8 [°] 56	6 [°] 1	17 [°] 42	21 [°] 19	19 [°] 34	10 [°] 30	8 [°] 2	27 [°] 12	1 [°] 23	1 [°] 59	5 [°] 47	15 [°] 56		
S 13	9 31 22	23 [°] 57'13	18 [°] 35	10 [°] 31	7 [°] 11	18 [°] 20	21 [°] 14	19 [°] 41	10 [°] 28	8 [°] 2	27 [°] 13	1 [°] 23	1 [°] 56	5 [°] 54	15 [°] 53		
M14	9 35 18	24 [°] 57'59	2 [♈] 20	12 [°] 7	8 [°] 20	18 [°] 58	21 [°] 8	19 [°] 49	10 [°] 27	8 [°] 2	27 [°] 15	1 [°] D22	1 [°] 53	6 [°] 0	15 [°] 50		
T 15	9 39 15	25 [°] 58'44	15 [°] 46	13 [°] 44	9 [°] 29	19 [°] 37	21 [°] 2	19 [°] 56	10 [°] 25	8 [°] 1	27 [°] 17	1 [°] 23	1 [°] 50	6 [°] 7	15 [°] 48		
W16	9 43 12	26 [°] 59'28	28 [°] 53	15 [°] 21	10 [°] 38	20 [°] 15	20 [°] 57	20 [°] 3	10 [°] 23	8 [°] 1	27 [°] 19	1 [°] 23	1 [°] 47	6 [°] 14	15 [°] 45		
T 17	9 47 8	28 [°] 0'10	11 [♈] 39	16 [°] 59	11 [°] 47	20 [°] 53	20 [°] 52	2									

SWISS EPHEMERIS for the year 2287

MARCH 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	10 34 27	10♋ 6°26	9♏52	7♋46	25♏16	28♏32	20°R 4	21♋35	10°R 7	7°R55	27♋41	1°R26	1♋ 5	7♏41	15°R16
W 2	10 38 23	11° 6'46	23°29	9°36	26°22	29°10	20♁ 1	21°42	10♁ 7	7♏54	27°43	1♋26	1° 2	7°48	15♁14
T 3	10 42 20	12° 7'05	7♏21	11°27	27°27	29°48	19°58	21°49	10° 6	7°54	27°45	1°25	0°59	7°55	15°13
F 4	10 46 16	13° 7'22	21°25	13°19	28°33	0♁26	19°56	21°56	10° 5	7°53	27°47	1°23	0°56	8° 1	15°11
S 5	10 50 13	14° 7'37	5♏36	15°12	29°38	1° 4	19°53	22° 2	10° 4	7°52	27°48	1°22	0°53	8° 8	15°10
S 6	10 54 10	15° 7'51	19°51	17° 5	0♁43	1°42	19°51	22° 9	10° 3	7°51	27°50	1°20	0°49	8°15	15° 9
M 7	10 58 6	16° 8'03	4♏ 7	18°59	1°47	2°20	19°50	22°16	10° 3	7°50	27°52	1°19	0°46	8°22	15° 7
T 8	11 2 3	17° 8'14	18°20	20°54	2°52	2°58	19°48	22°23	10° 2	7°50	27°53	1°D19	0°43	8°28	15° 6
W 9	11 5 59	18° 8'24	2♁28	22°49	3°56	3°36	19°46	22°30	10° 2	7°49	27°55	1°19	0°40	8°35	15° 5
T 10	11 9 56	19° 8'32	16°29	24°45	5° 0	4°14	19°45	22°36	10° 1	7°48	27°57	1°20	0°37	8°42	15° 4
F 11	11 13 52	20° 8'39	0♁22	26°42	6° 3	4°52	19°44	22°43	10° 1	7°47	27°58	1°22	0°33	8°49	15° 4
S 12	11 17 49	21° 8'44	14° 5	28°38	7° 6	5°29	19°43	22°50	10° 0	7°46	28° 0	1°23	0°30	8°55	15° 3
S 13	11 21 45	22° 8'47	27°38	0♁34	8° 9	6° 7	19°42	22°56	10° 0	7°45	28° 2	1°R24	0°27	9° 2	15° 2
M14	11 25 42	23° 8'48	10♋58	2°30	9°11	6°45	19°42	23° 3	10° 0	7°44	28° 3	1°24	0°24	9° 9	15° 2
T 15	11 29 39	24° 8'48	24° 5	4°26	10°13	7°23	19°42	23° 9	10° 0	7°43	28° 5	1°22	0°21	9°15	15° 1
W16	11 33 35	25° 8'45	6♏57	6°20	11°15	8° 1	19°D42	23°16	9°59	7°42	28° 6	1°19	0°18	9°22	15° 1
T 17	11 37 32	26° 8'41	19°36	8°14	12°17	8°38	19°42	23°22	9°59	7°40	28° 8	1°16	0°14	9°29	15° 0
F 18	11 41 28	27° 8'35	2♁ 0	10° 5	13°18	9°16	19°42	23°29	9°D59	7°39	28°10	1°11	0°11	9°36	15° 0
S 19	11 45 25	28° 8'26	14°12	11°55	14°18	9°54	19°42	23°35	9°59	7°38	28°11	1° 7	0° 8	9°42	15° 0
S 20	11 49 21	29° 8'16	26°14	13°42	15°18	10°31	19°43	23°41	9°59	7°37	28°13	1° 3	0° 5	9°49	15°D 0
M21	11 53 18	0♁ 8'03	8♏ 9	15°26	16°18	11° 9	19°44	23°48	9°59	7°36	28°14	0°59	0° 2	9°56	15° 0
T 22	11 57 14	1° 7'48	20° 1	17° 7	17°17	11°47	19°45	23°54	10° 0	7°35	28°16	0°57	29°59	10° 2	15° 0
W23	12 1 11	2° 7'31	1♁55	18°44	18°16	12°24	19°46	24° 0	10° 0	7°33	28°17	0°D57	29°55	10° 9	15° 1
T 24	12 5 7	3° 7'12	13°54	20°16	19°14	13° 2	19°48	24° 6	10° 0	7°32	28°19	0°57	29°52	10°16	15° 1
F 25	12 9 4	4° 6'50	26° 6	21°44	20°12	13°39	19°49	24°12	10° 0	7°31	28°20	0°59	29°49	10°23	15° 2
S 26	12 13 1	5° 6'26	8♏33	23° 6	21°10	14°16	19°51	24°18	10° 1	7°30	28°22	1° 0	29°46	10°29	15° 2
S 27	12 16 57	6° 6'00	21°20	24°23	22° 6	14°54	19°53	24°24	10° 1	7°28	28°23	1° 2	29°43	10°36	15° 3
M28	12 20 54	7° 5'32	4♏30	25°33	23° 3	15°31	19°56	24°30	10° 2	7°27	28°25	1°R 2	29°39	10°43	15° 3
T 29	12 24 50	8° 5'01	18° 4	26°37	23°58	16° 8	19°58	24°36	10° 2	7°25	28°26	1° 1	29°36	10°50	15° 4
W30	12 28 47	9° 4'29	2♁ 1	27°34	24°54	16°46	20° 0	24°42	10° 3	7°24	28°28	0°58	29°33	10°56	15° 5
T 31	12 32 43	10♏ 3'54	16♁19	28♏25	25♁48	17♁23	20♁ 3	24♁48	10♁ 3	7♏23	28♁29	0♁53	29♁30	11♏ 3	15♁ 6

Delta T = 10m56s

APRIL 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	12 36 40	11♏ 3'17	0♏51	29♏ 8	26♁42	18♁ 0	20♁ 6	24♁54	10♁ 4	7°R21	28♁30	0°R47	29♁27	11♏10	15♁ 7
S 2	12 40 36	12° 2'38	15°32	29°43	27°35	18°37	20° 9	24°59	10° 5	7♏20	28°32	0♁41	29°24	11°16	15° 8
S 3	12 44 33	13° 1'58	0♁13	0♁12	28°28	19°14	20°13	25° 5	10° 6	7°18	28°33	0°35	29°20	11°23	15°10
M 4	12 48 30	14° 1'16	14°48	0°33	29°20	19°51	20°16	25°10	10° 7	7°17	28°34	0°30	29°17	11°30	15°11
T 5	12 52 26	15° 0'32	29°12	0°46	0♏11	20°28	20°20	25°16	10° 7	7°15	28°36	0°27	29°14	11°37	15°13
W 6	12 56 23	15°59'46	13♁22	0°R52	1° 1	21° 5	20°24	25°21	10° 8	7°14	28°37	0°D26	29°11	11°43	15°14
T 7	13 0 19	16°58'59	27°15	0°51	1°51	21°42	20°28	25°27	10° 9	7°12	28°38	0°26	29° 8	11°50	15°16
F 8	13 4 16	17°58'10	10♁52	0°43	2°40	22°19	20°32	25°32	10°11	7°11	28°39	0°27	29° 5	11°57	15°18
S 9	13 8 12	18°57'19	24°15	0°28	3°28	22°56	20°36	25°37	10°12	7° 9	28°41	0°R28	29° 1	12° 3	15°19
S 10	13 12 9	19°56'26	7♋24	0° 7	4°15	23°33	20°41	25°42	10°13	7° 8	28°42	0°28	28°58	12°10	15°21
M11	13 16 5	20°55'32	20°21	29♏40	5° 1	24° 9	20°45	25°48	10°14	7° 6	28°43	0°26	28°55	12°17	15°23
T 12	13 20 2	21°54'35	3♏ 6	29° 9	5°47	24°46	20°50	25°53	10°15	7° 5	28°44	0°22	28°52	12°24	15°25
W13	13 23 59	22°53'37	15°41	28°33	6°31	25°23	20°55	25°58	10°17	7° 3	28°45	0°15	28°49	12°30	15°28
T 14	13 27 55	23°52'36	28° 5	27°53	7°15	25°59	21° 0	26° 2	10°18	7° 2	28°47	0° 6	28°45	12°37	15°30
F 15	13 31 52	24°51'34	10♁20	27°11	7°57	26°35	21° 6	26° 7	10°19	7° 0	28°48	29°56	28°42	12°44	15°32
S 16	13 35 48	25°50'30	22°26	26°27	8°39	27°12	21°11	26°12	10°21	6°58	28°49	29°45	28°39	12°50	15°35
S 17	13 39 45	26°49'23	4♏24	25°41	9°19	27°48	21°17	26°17	10°22	6°57	28°50	29°35	28°36	12°57	15°37
M18	13 43 41	27°48'14	16°18	24°56	9°58	28°24	21°23	26°21	10°24	6°55	28°51	29°26	28°33	13° 4	15°40
T 19	13 47 38	28°47'04	28° 8	24°11	10°36	29° 0	21°29	26°26	10°26	6°54	28°52	29°19	28°30	13°11	15°42
W20	13 51 34	29°45'51	10♁ 0	23°28	11°13	29°36	21°35	26°30	10°27	6°52	28°53	29°15	28°26	13°17	15°45
T 21	13 55 31	0♁44'36	21°58	22°47	11°48	0♁12	21°41	26°35	10°29	6°50	28°54	29°13	28°23	13°24	15°48
F 22	13 59 28	1°43'18	4♏ 6	22° 9	12°22	0°48	21°48	26°39	10°31	6°49	28°55	29°D12	28°20	13°31	15°51
S 23	14 3 24	2°41'58	16°30	21°34	12°55	1°24	21°54	26°43	10°32	6°47	28°56	29°13	28°17	13°38	15°54
S 24	14 7 21	3°40'37	29°14	21° 3	13°26	2° 0	22° 1	26°48	10°34	6°45	28°57	29°R13	28°14	13°44	15°57
M25	14 11 17	4°39'12	12♏24	20°37	13°56	2°36	22° 8	26°52	10°36	6°44	28°58	29°13	28°10	13°51	16° 0
T 26	14 15 14	5°37'46	26° 1	20°15	14°24	3°11	22°15	26°56	10°38	6°42	28°59	29°10	28° 7	13°58	16° 3
W27	14 19 10	6°36'18	10♁ 7	19°58	14°50	3°47	22°22	27° 0	10°40	6°41	28°59	29° 5	28° 4	14° 4	16° 7
T 28	14 23 7	7°34'47	24°38	19°46	15°15	4°22	22°29	27° 4	10°42	6°39	29° 0	28°57	28° 1	14°11	16°10
F 29	14 27 3	8°33'15	9♏31	19°38	15°38	4°57	22°37	27° 7	10°44	6°37	29° 1	28°47	27°58	14°18	16°14
S 30	14 31 0	9♁31'41	24♏35	19°D36	15♏59	5♁33	22♁44	27♁11	10♁46	6♏36	29♁ 2	28♁37	27♁55	14♏25	16♁17

Delta T = 10m56s

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SWISS EPHEMERIS for the year 2287

MAY 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	14 34 57	10♁30'05	9♂41	19♀39	16♁18	6♁ 8	22♁52	27♁15	10♁48	6°R34	29♁ 3	28°R27	27♁51	14♁31	16♁21								
M 2	14 38 53	11°28'27	24°39	19°47	16°36	6°43	23° 0	27°18	10°51	6♁32	29° 3	28♁19	27°48	14°38	16°24								
T 3	14 42 50	12°26'48	9♁21	19°59	16°51	7°18	23° 8	27°22	10°53	6°31	29° 4	28°13	27°45	14°45	16°28								
W 4	14 46 46	13°25'08	23°41	20°17	17° 4	7°53	23°16	27°25	10°55	6°29	29° 5	28°10	27°42	14°51	16°32								
T 5	14 50 43	14°23'26	7♁39	20°38	17°16	8°27	23°24	27°28	10°57	6°27	29° 5	28° 8	27°39	14°58	16°36								
F 6	14 54 39	15°21'42	21°14	21° 5	17°25	9° 2	23°32	27°32	11° 0	6°26	29° 6	28° 8	27°36	15° 5	16°40								
S 7	14 58 36	16°19'57	4♁28	21°35	17°32	9°36	23°41	27°35	11° 2	6°24	29° 7	28° 8	27°32	15°12	16°44								
S 8	15 2 32	17°18'10	17°24	22°10	17°36	10°11	23°49	27°38	11° 5	6°23	29° 7	28° 7	27°29	15°18	16°48								
M 9	15 6 29	18°16'22	0♀ 5	22°48	17°39	10°45	23°58	27°41	11° 7	6°21	29° 8	28° 4	27°26	15°25	16°52								
T 10	15 10 26	19°14'32	12°34	23°30	17°R39	11°19	24° 7	27°43	11°10	6°19	29° 8	27°57	27°23	15°32	16°56								
W11	15 14 22	20°12'41	24°53	24°16	17°36	11°53	24°16	27°46	11°12	6°18	29° 9	27°48	27°20	15°38	17° 1								
T 12	15 18 19	21°10'48	7♁ 4	25° 5	17°32	12°27	24°25	27°49	11°15	6°16	29° 9	27°37	27°16	15°45	17° 5								
F 13	15 22 15	22° 8'54	19° 8	25°58	17°24	13° 1	24°34	27°51	11°17	6°15	29°10	27°23	27°13	15°52	17°10								
S 14	15 26 12	23° 6'58	1♁ 7	26°54	17°15	13°34	24°43	27°54	11°20	6°13	29°10	27° 9	27°10	15°59	17°14								
S 15	15 30 8	24° 5'01	13° 1	27°52	17° 3	14° 8	24°52	27°56	11°23	6°12	29°11	26°55	27° 7	16° 5	17°19								
M16	15 34 5	25° 3'01	24°52	28°54	16°48	14°41	25° 2	27°59	11°25	6°10	29°11	26°43	27° 4	16°12	17°23								
T 17	15 38 1	26° 1'01	6♁42	29°59	16°31	15°14	25°11	28° 1	11°28	6° 9	29°11	26°33	27° 1	16°19	17°28								
W18	15 41 58	26°58'58	18°34	1♁ 7	16°12	15°47	25°21	28° 3	11°31	6° 7	29°12	26°27	26°57	16°25	17°33								
T 19	15 45 55	27°56'54	0♁32	2°17	15°51	16°20	25°31	28° 5	11°34	6° 6	29°12	26°23	26°54	16°32	17°38								
F 20	15 49 51	28°54'48	12°39	3°30	15°27	16°53	25°41	28° 7	11°37	6° 4	29°12	26°21	26°51	16°39	17°42								
S 21	15 53 48	29°52'40	25° 0	4°45	15° 1	17°25	25°51	28° 9	11°40	6° 3	29°13	26°20	26°48	16°46	17°47								
S 22	15 57 44	0♁50'31	7♁40	6° 3	14°33	17°57	26° 1	28°10	11°42	6° 1	29°13	26°20	26°45	16°52	17°52								
M23	16 1 41	1°48'19	20°45	7°24	14° 3	18°29	26°11	28°12	11°45	6° 0	29°13	26°19	26°42	16°59	17°57								
T 24	16 5 37	2°46'06	4♁18	8°47	13°32	19° 1	26°21	28°14	11°48	5°58	29°13	26°17	26°38	17° 6	18° 2								
W25	16 9 34	3°43'52	18°21	10°12	12°59	19°33	26°31	28°15	11°51	5°57	29°13	26°11	26°35	17°12	18° 8								
T 26	16 13 30	4°41'35	2♁52	11°40	12°25	20° 5	26°42	28°16	11°54	5°55	29°13	26° 4	26°32	17°19	18°13								
F 27	16 17 27	5°39'18	17°49	13°10	11°49	20°36	26°52	28°18	11°57	5°54	29°13	25°54	26°29	17°26	18°18								
S 28	16 21 24	6°36'59	3♁ 2	14°42	11°13	21° 7	27° 3	28°19	12° 1	5°53	29°14	25°43	26°26	17°33	18°23								
S 29	16 25 20	7°34'39	18°21	16°17	10°36	21°38	27°13	28°20	12° 4	5°51	29°14	25°33	26°22	17°39	18°29								
M30	16 29 17	8°32'17	3♁34	17°54	9°58	22° 9	27°24	28°21	12° 7	5°50	29°14	25°24	26°19	17°46	18°34								
T 31	16 33 13	9♁29'55	18♁32	19♁33	9♁20	22♁39	27♁35	28♁22	12♁10	5♁49	29°R14	25♁18	26♁16	17♁53	18♁39								

Delta T = 10m57s

JUNE 2287

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W 1	16 37 10	10♁27'31	3♁ 7	21♁15	8°R42	23♁10	27♁46	28♁22	12♁13	5°R47	29°R14	25°R14	26♁13	17♁59	18♁45								
T 2	16 41 6	11°25'07	17°15	22°59	8♁ 5	23°40	27°57	28°23	12°16	5♁46	29♁14	25♁13	26°10	18° 6	18°50								
F 3	16 45 3	12°22'41	0♁56	24°45	7°28	24°10	28° 8	28°24	12°20	5°45	29°13	25°D13	26° 7	18°13	18°56								
S 4	16 49 0	13°20'15	14°12	26°34	6°52	24°39	28°19	28°24	12°23	5°44	29°13	25°R13	26° 3	18°20	19° 2								
S 5	16 52 56	14°17'48	27° 5	28°24	6°17	25° 9	28°30	28°24	12°26	5°43	29°13	25°12	26° 0	18°26	19° 7								
M 6	16 56 53	15°15'20	9♀40	0♁18	5°43	25°38	28°42	28°25	12°29	5°41	29°13	25°10	25°57	18°33	19°13								
T 7	17 0 49	16°12'51	22° 1	2°13	5°10	26° 7	28°53	28°25	12°33	5°40	29°13	25° 5	25°54	18°40	19°19								
W 8	17 4 46	17°10'21	4♁11	4°10	4°40	26°35	29° 5	28°R25	12°36	5°39	29°13	24°57	25°51	18°46	19°24								
T 9	17 8 42	18° 7'51	16°13	6°10	4°10	27° 3	29°16	28°25	12°39	5°38	29°12	24°47	25°48	18°53	19°30								
F 10	17 12 39	19° 5'20	28° 9	8°11	3°43	27°31	29°28	28°25	12°43	5°37	29°12	24°36	25°44	19° 0	19°36								
S 11	17 16 35	20° 2'48	10♁ 3	10°15	3°18	27°59	29°39	28°25	12°46	5°36	29°12	24°24	25°41	19° 7	19°42								
S 12	17 20 32	21° 0'15	21°54	12°20	2°55	28°26	29°51	28°24	12°50	5°35	29°12	24°12	25°38	19°13	19°48								
M13	17 24 29	21°57'42	3♁45	14°27	2°34	28°54	0♁ 3	28°24	12°53	5°34	29°11	24° 1	25°35	19°20	19°54								
T 14	17 28 25	22°55'07	15°37	16°35	2°15	29°20	0°15	28°23	12°56	5°33	29°11	23°53	25°32	19°27	20° 0								
W15	17 32 22	23°52'32	27°33	18°45	1°59	29°47	0°26	28°23	13° 0	5°32	29°11	23°47	25°28	19°33	20° 6								
T 16	17 36 18	24°49'55	9♁35	20°55	1°45	0♁13	0°38	28°22	13° 3	5°31	29°10	23°44	25°25	19°40	20°12								
F 17	17 40 15	25°47'18	21°46	23° 6	1°33	0°38	0°50	28°21	13° 7	5°30	29°10	23°D43	25°22	19°47	20°18								
S 18	17 44 11	26°44'40	4♁ 9	25°18	1°24	1° 4	1° 3	28°20	13°10	5°29	29° 9	23°43	25°19	19°54	20°24								
S 19	17 48 8	27°42'00	16°50	27°30	1°17	1°29	1°15	28°19	13°14	5°28	29° 9	23°44	25°16	20° 0	20°30								
M20	17 52 4	28°39'20	29°53	29°42	1°12	1°53	1°27	28°18	13°17	5°27	29° 8	23°R45	25°13	20° 7	20°36								
T 21	17 56 1	29°36'39	13♁20	1♁54	1°D10	2°17	1°39	28°17	13°21	5°26	29° 8	23°44	25° 9	20°14	20°43								
W22	17 59 58	0♁33'57	27°14	4° 5	1°10	2°41	1°51	28°16	13°24	5°26	29° 7	23°41	25° 6	20°20	20°49								
T 23	18 3 54	1°31'14	11♁36	6°15	1°13	3° 5	2° 4	28°14	13°28	5°25	29° 7	23°36	25° 3	20°27	20°55								
F 24	18 7 51	2°28'30	26°23	8°24	1°18	3°28	2°16	28°13	13°32	5°24	29° 6	23°30	25° 0	20°34	21° 1								
S 25	18 11 47	3°25'46	11♁29	10°32	1°25	3°50	2°28	28°11	13°35	5°23	29° 6	23°23	24°57	20°41	21° 8								
S 26	18 15 44	4°23'01	26°44	12°39	1°34	4°13	2°41	28°10	13°39	5°23	29° 5	23°15	24°54	20°47	21°14								
M27	18 19 40	5°20'16	11♁58	14°44	1°45	4°34	2°53	28° 8	13°42	5°22	29° 4	23° 9	24°50	20°54	21°20								
T 28	18 23 37	6°17'31	27° 1	16°47	1°58	4°56	3° 6	28° 6	13°46														

SWISS EPHEMERIS for the year 2287

JULY 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	18 35 27	9♄ 9'12	9♃50	22♄45	2♂50	5♃57	3♁44	28°R 0	13♄57	5°R20	29°R 1	23♃ 3	24♃38	21♂21	21♄46								
S 2	18 39 23	10° 6'26	23°13	24°40	3°11	6°16	3°56	27♃58	14° 0	5♂19	29° 1	23° 4	24°34	21°28	21°52								
S 3	18 43 20	11° 3'39	6♂10	26°34	3°33	6°35	4° 9	27°56	14° 4	5°19	29° 0	23°R 5	24°31	21°34	21°59								
M 4	18 47 16	12° 0'53	18°46	28°25	3°58	6°53	4°22	27°53	14° 8	5°19	28°59	23° 5	24°28	21°41	22° 5								
T 5	18 51 13	12°58'06	1♄ 6	0♁14	4°24	7°11	4°35	27°51	14°11	5°18	28°58	23° 4	24°25	21°48	22°12								
W 6	18 55 9	13°55'20	23°13	2° 1	4°51	7°28	4°48	27°48	14°15	5°18	28°57	23° 0	24°22	21°54	22°18								
T 7	18 59 6	14°52'34	25°11	3°46	5°20	7°45	5° 0	27°46	14°18	5°17	28°57	22°55	24°19	22° 1	22°25								
F 8	19 3 2	15°49'49	7♂ 4	5°28	5°51	8° 1	5°13	27°43	14°22	5°17	28°56	22°49	24°15	22° 8	22°31								
S 9	19 6 59	16°47'03	18°55	7° 9	6°23	8°17	5°26	27°40	14°26	5°17	28°55	22°43	24°12	22°14	22°38								
S 10	19 10 56	17°44'17	0♄46	8°47	6°56	8°31	5°39	27°37	14°29	5°17	28°54	22°36	24° 9	22°21	22°44								
M11	19 14 52	18°41'32	12°39	10°24	7°30	8°46	5°52	27°34	14°33	5°16	28°53	22°31	24° 6	22°28	22°51								
T 12	19 18 49	19°38'46	24°37	11°58	8° 6	8°59	6° 5	27°31	14°37	5°16	28°52	22°26	24° 3	22°35	22°57								
W13	19 22 45	20°36'01	6♁41	13°30	8°43	9°12	6°18	27°28	14°40	5°16	28°51	22°24	24° 0	22°41	23° 4								
T 14	19 26 42	21°33'15	18°53	15° 0	9°21	9°25	6°31	27°25	14°44	5°16	28°50	22°D23	23°56	22°48	23°10								
F 15	19 30 38	22°30'30	1♂15	16°27	10° 0	9°36	6°45	27°22	14°47	5°16	28°49	22°23	23°53	22°55	23°17								
S 16	19 34 35	23°27'44	13°49	17°53	10°41	9°47	6°58	27°19	14°51	5°16	28°48	22°24	23°50	23° 1	23°23								
S 17	19 38 31	24°24'58	26°38	19°16	11°22	9°58	7°11	27°15	14°55	5°D16	28°47	22°26	23°47	23° 8	23°30								
M18	19 42 28	25°22'13	9♂45	20°36	12° 4	10° 7	7°24	27°12	14°58	5°16	28°46	22°27	23°44	23°15	23°36								
T 19	19 46 25	26°19'27	23°12	21°55	12°47	10°16	7°37	27° 8	15° 2	5°16	28°45	22°R28	23°40	23°22	23°43								
W20	19 50 21	27°16'41	7♂ 0	23°11	13°32	10°24	7°50	27° 5	15° 5	5°16	28°44	22°28	23°37	23°28	23°50								
T 21	19 54 18	28°13'56	21°11	24°25	14°17	10°32	8° 3	27° 1	15° 9	5°16	28°43	22°26	23°34	23°35	23°56								
F 22	19 58 14	29°11'10	5♂42	25°36	15° 2	10°38	8°17	26°58	15°12	5°16	28°42	22°24	23°31	23°42	24° 3								
S 23	20 2 11	0♁ 8'25	20°29	26°45	15°49	10°44	8°30	26°54	15°16	5°16	28°41	22°21	23°28	23°48	24° 9								
S 24	20 6 7	1° 5'40	5♄26	27°50	16°37	10°50	8°43	26°50	15°20	5°16	28°39	22°18	23°25	23°55	24°16								
M25	20 10 4	2° 2'55	20°25	28°54	17°25	10°54	8°56	26°46	15°23	5°17	28°38	22°16	23°21	24° 2	24°22								
T 26	20 14 1	3° 0'11	5♃18	29°54	18°14	10°58	9°10	26°42	15°27	5°17	28°37	22°14	23°18	24° 8	24°29								
W27	20 17 57	3°57'27	19°56	0♂52	19° 3	11° 1	9°23	26°39	15°30	5°17	28°36	22°D14	23°15	24°15	24°35								
T 28	20 21 54	4°54'43	4♃13	1°46	19°54	11° 3	9°36	26°35	15°33	5°18	28°35	22°14	23°12	24°22	24°42								
F 29	20 25 50	5°52'01	18° 6	2°37	20°45	11° 5	9°49	26°31	15°37	5°18	28°34	22°15	23° 9	24°29	24°48								
S 30	20 29 47	6°49'19	1♂33	3°25	21°37	11°R 5	10° 3	26°26	15°40	5°18	28°32	22°16	23° 6	24°35	24°55								
S 31	20 33 43	7♁46'38	14♂36	4♂10	22♂29	11♃ 5	10♁16	26♃22	15♄44	5♂19	28♃31	22♃17	23♃ 2	24♂42	25♄ 1								

Delta T = 10m57s

AUGUST 2287

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	20 37 40	8♁43'57	27♂16	4♂50	23♂22	11°R 4	10♁29	26°R18	15♄47	5♂19	28°R30	22♃18	22♃59	24♂49	25♄ 8								
T 2	20 41 36	9°41'18	9♄38	5°27	24°15	11♃ 2	10°43	26♃14	15°51	5°20	28♃29	22°R18	22°56	24°55	25°14								
W 3	20 45 33	10°38'40	21°46	6° 1	25° 9	11° 0	10°56	26°10	15°54	5°20	28°27	22°18	22°53	25° 2	25°21								
T 4	20 49 30	11°36'03	3♂44	6°30	26° 4	10°57	11° 9	26° 6	15°57	5°21	28°26	22°17	22°50	25° 9	25°27								
F 5	20 53 26	12°33'27	15°36	6°54	26°59	10°52	11°22	26° 1	16° 1	5°21	28°25	22°16	22°46	25°15	25°34								
S 6	20 57 23	13°30'52	27°27	7°14	27°55	10°48	11°36	25°57	16° 4	5°22	28°24	22°15	22°43	25°22	25°40								
S 7	21 1 19	14°28'18	9♄20	7°30	28°51	10°42	11°49	25°53	16° 7	5°23	28°22	22°14	22°40	25°29	25°46								
M 8	21 5 16	15°25'45	21°19	7°41	29°47	10°35	12° 2	25°48	16°11	5°23	28°21	22°13	22°37	25°36	25°53								
T 9	21 9 12	16°23'13	3♁25	7°47	0♄44	10°28	12°16	25°44	16°14	5°24	28°20	22°12	22°34	25°42	25°59								
W10	21 13 9	17°20'42	15°40	7°R47	1°42	10°20	12°29	25°39	16°17	5°25	28°19	22°12	22°31	25°49	26° 5								
T 11	21 17 5	18°18'12	28° 7	7°43	2°40	10°12	12°42	25°35	16°20	5°26	28°17	22°D12	22°27	25°56	26°12								
F 12	21 21 2	19°15'43	10♂46	7°33	3°38	10° 3	12°55	25°30	16°24	5°26	28°16	22°12	22°24	26° 2	26°18								
S 13	21 24 59	20°13'15	23°39	7°17	4°36	9°53	13° 9	25°26	16°27	5°27	28°15	22°13	22°21	26° 9	26°24								
S 14	21 28 55	21°10'47	6♁45	6°57	5°35	9°42	13°22	25°22	16°30	5°28	28°13	22°13	22°18	26°16	26°31								
M15	21 32 52	22° 8'21	20° 6	6°31	6°35	9°31	13°35	25°17	16°33	5°29	28°12	22°R13	22°15	26°22	26°37								
T 16	21 36 48	23° 5'55	3♂42	6° 0	7°35	9°19	13°48	25°13	16°36	5°30	28°11	22°13	22°12	26°29	26°43								
W17	21 40 45	24° 3'30	17°32	5°25	8°35	9° 7	14° 1	25° 8	16°39	5°31	28° 9	22°D13	22° 8	26°36	26°49								
T 18	21 44 41	25° 1'07	1♄36	4°45	9°35	8°54	14°15	25° 4	16°42	5°32	28° 8	22°13	22° 5	26°43	26°55								
F 19	21 48 38	25°58'44	15°53	4° 2	10°36	8°41	14°28	24°59	16°45	5°33	28° 7	22°13	22° 2	26°49	27° 1								
S 20	21 52 34	26°56'22	0♄20	3°15	11°37	8°27	14°41	24°55	16°48	5°34	28° 5	22°13	21°59	26°56	27° 7								
S 21	21 56 31	27°54'01	14°53	2°26	12°39	8°13	14°54	24°50	16°51	5°35	28° 4	22°14	21°56	27° 3	27°13								
M22	22 0 28	28°51'41	29°27	1°35	13°41	7°59	15° 7	24°46	16°54	5°36	28° 3	22°14	21°52	27° 9	27°19								
T 23	22 4 24	29°49'22	13♃57	0°44	14°43	7°44	15°20	24°41	16°57	5°37	28° 2	22°14	21°49	27°16	27°25								
W24	22 8 21	0♂47'04	28°17	29♁53	15°45	7°29	15°33	24°37	17° 0	5°38	28° 0	22°R14	21°46	27°23	27°31								
T 25	22 12 17	1°44'47	12♃22	29° 3	16°48	7°13	15°46	24°32	17° 3	5°40	27°59	22°14	21°43	27°29	27°37								
F 26	22 16 14	2°42'32	26° 8	28°16	17°51	6°58	15°59	24°28	17° 5	5°41	27°58	22°13	21°40	27°36	27°43								
S 27	22 20 10	3°40'18	9♂34	27°32	18°54	6°42	16°12	24°23	17° 8	5°42	27°56	22°12	21°37	27°43	27°49								
S 28	22 24 7	4°38'06	22°37	26°53	19°57	6°26	16°25	24°19	17°11	5°43	27°55	22°10											

SWISS EPHEMERIS for the year 2287

SEPTEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	22 39 53	8 ^h 29'35	11 ^h II52	25°R15	24 ^h ☉14	5°R23	17 ^h Ω16	24°R 1	17 ^h ☉21	5 ^h ♁49	27°R50	22°D 6	21 ^h ☉21	28 ^h II16	28 ^h ☉17
F 2	22 43 50	9°27'31	23°44	25°D 8	25°19	5 ^h ♁ 7	17°29	23 ^h ☉57	17°24	5°50	27 ^h ☉48	22 ^h ☉ 7	21°18	28°23	28°23
S 3	22 47 46	10°25'30	5 ^h ☉36	25°Ω10	26°24	4°52	17°42	23°53	17°26	5°51	27°47	22° 8	21°14	28°30	28°28
S 4	22 51 43	11°23'30	17°31	25°19	27°29	4°37	17°55	23°49	17°29	5°53	27°46	22°10	21°11	28°36	28°34
M 5	22 55 39	12°21'32	29°33	25°37	28°34	4°22	18° 7	23°45	17°31	5°54	27°45	22°11	21° 8	28°43	28°39
T 6	22 59 36	13°19'36	11 ^h Ω46	26° 4	29°40	4° 7	18°20	23°41	17°34	5°56	27°43	22°12	21° 5	28°50	28°44
W 7	23 3 32	14°17'41	24°14	26°38	0 ^h Ω46	3°52	18°33	23°36	17°36	5°57	27°42	22°R12	21° 2	28°56	28°50
T 8	23 7 29	15°15'48	6 ^h ♁57	27°21	1°52	3°38	18°45	23°32	17°38	5°59	27°41	22°12	20°58	29° 3	28°55
F 9	23 11 26	16°13'57	19°57	28°11	2°58	3°25	18°58	23°28	17°41	6° 1	27°40	22°10	20°55	29°10	29° 0
S 10	23 15 22	17°12'08	3 ^h ☉13	29° 9	4° 5	3°12	19°10	23°24	17°43	6° 2	27°38	22° 7	20°52	29°17	29° 5
S 11	23 19 19	18°10'20	16°44	0 ^h ♁14	5°12	2°59	19°22	23°21	17°45	6° 4	27°37	22° 3	20°49	29°23	29°10
M12	23 23 15	19° 8'33	0 ^h ♁29	1°26	6°18	2°47	19°35	23°17	17°47	6° 5	27°36	21°59	20°46	29°30	29°16
T13	23 27 12	20° 6'49	14°23	2°43	7°25	2°36	19°47	23°13	17°49	6° 7	27°35	21°55	20°43	29°37	29°21
W14	23 31 8	21° 5'06	28°26	4° 7	8°33	2°25	19°59	23° 9	17°52	6° 9	27°33	21°53	20°39	29°43	29°25
T15	23 35 5	22° 3'24	12 ^h ♁34	5°35	9°40	2°15	20°12	23° 6	17°54	6°10	27°32	21°51	20°36	29°50	29°30
F16	23 39 1	23° 1'44	26°45	7° 8	10°48	2° 5	20°24	23° 2	17°56	6°12	27°31	21°D51	20°33	29°57	29°35
S17	23 42 58	24° 0'05	10 ^h ☉57	8°45	11°55	1°56	20°36	22°58	17°58	6°14	27°30	21°52	20°30	0 ^h ☉ 3	29°40
S18	23 46 55	24°58'28	25° 8	10°25	13° 3	1°48	20°48	22°55	17°59	6°16	27°29	21°53	20°27	0°10	29°45
M19	23 50 51	25°56'53	9 ^h ☉16	12° 8	14°11	1°41	21° 0	22°52	18° 1	6°18	27°28	21°54	20°23	0°17	29°49
T20	23 54 48	26°55'18	23°18	13°53	15°20	1°34	21°12	22°48	18° 3	6°19	27°27	21°R55	20°20	0°23	29°54
W21	23 58 44	27°53'46	7 ^h ♁13	15°41	16°28	1°28	21°24	22°45	18° 5	6°21	27°25	21°54	20°17	0°30	29°58
T22	0 2 41	28°52'15	20°56	17°30	17°37	1°23	21°35	22°42	18° 7	6°23	27°24	21°51	20°14	0°37	0 ^h Ω 3
F23	0 6 37	29°50'46	4 ^h ♁26	19°20	18°45	1°19	21°47	22°39	18° 8	6°25	27°23	21°47	20°11	0°44	0° 7
S24	0 10 34	0 ^h ☉49'19	17°40	21°11	19°54	1°15	21°59	22°36	18°10	6°27	27°22	21°41	20° 8	0°50	0°12
S25	0 14 30	1°47'54	0 ^h ☉36	23° 2	21° 3	1°12	22°10	22°33	18°11	6°29	27°21	21°34	20° 4	0°57	0°16
M26	0 18 27	2°46'32	13°16	24°53	22°12	1°10	22°22	22°30	18°13	6°31	27°20	21°27	20° 1	1° 4	0°20
T27	0 22 23	3°45'11	25°38	26°45	23°22	1° 9	22°33	22°27	18°14	6°33	27°19	21°20	19°58	1°10	0°24
W28	0 26 20	4°43'52	7 ^h II47	28°36	24°31	1°D 8	22°45	22°24	18°16	6°34	27°18	21°15	19°55	1°17	0°28
T29	0 30 17	5°42'36	19°45	0 ^h ☉28	25°41	1° 9	22°56	22°22	18°17	6°36	27°17	21°12	19°52	1°24	0°32
F30	0 34 13	6 ^h ☉41'22	1 ^h ☉38	2 ^h ☉18	26 ^h Ω51	1 ^h ♁10	23 ^h Ω 7	22 ^h ☉19	18 ^h ☉19	6 ^h ♁38	27 ^h ☉16	21°D10	19 ^h ☉49	1 ^h ☉30	0 ^h Ω36

Delta T = 10m57s

OCTOBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	0 38 10	7 ^h ☉40'10	13 ^h ☉28	4 ^h ☉ 8	28 ^h Ω 0	1 ^h ♁12	23 ^h Ω19	22°R16	18 ^h ☉20	6 ^h ♁40	27°R15	21 ^h ☉10	19 ^h ☉45	1 ^h ☉37	0 ^h Ω40
S 2	0 42 6	8°39'00	25°23	5°58	29°10	1°14	23°30	22 ^h ☉14	18°21	6°42	27 ^h ☉14	21°11	19°42	1°44	0°44
M 3	0 46 3	9°37'53	7 ^h Ω26	7°46	0 ^h ♁21	1°18	23°41	22°12	18°22	6°45	27°13	21°13	19°39	1°50	0°48
T 4	0 49 59	10°36'48	19°43	9°34	1°31	1°22	23°52	22° 9	18°23	6°47	27°12	21°R13	19°36	1°57	0°51
W 5	0 53 56	11°35'45	2 ^h ♁17	11°22	2°41	1°27	24° 3	22° 7	18°25	6°49	27°12	21°13	19°33	2° 4	0°55
T 6	0 57 52	12°34'44	15°13	13° 8	3°52	1°33	24°13	22° 5	18°26	6°51	27°11	21°10	19°29	2°11	0°58
F 7	1 1 49	13°33'45	28°30	14°54	5° 3	1°40	24°24	22° 3	18°27	6°53	27°10	21° 5	19°26	2°17	1° 2
S 8	1 5 46	14°32'48	12 ^h ☉ 9	16°38	6°13	1°47	24°35	22° 1	18°27	6°55	27° 9	20°58	19°23	2°24	1° 5
S 9	1 9 42	15°31'53	26° 7	18°22	7°24	1°55	24°45	22° 0	18°28	6°57	27° 8	20°49	19°20	2°31	1° 8
M10	1 13 39	16°31'01	10 ^h ♁20	20° 5	8°35	2° 4	24°56	21°58	18°29	6°59	27° 8	20°40	19°17	2°37	1°11
T11	1 17 35	17°30'10	24°42	21°48	9°46	2°13	25° 6	21°56	18°30	7° 1	27° 7	20°32	19°14	2°44	1°14
W12	1 21 32	18°29'21	9 ^h ♁ 7	23°29	10°57	2°24	25°16	21°55	18°31	7° 3	27° 6	20°24	19°10	2°51	1°17
T13	1 25 28	19°28'34	23°30	25°10	12° 9	2°35	25°26	21°53	18°31	7° 6	27° 5	20°19	19° 7	2°57	1°20
F14	1 29 25	20°27'49	7 ^h ☉47	26°49	13°20	2°47	25°36	21°52	18°32	7° 8	27° 5	20°17	19° 4	3° 4	1°23
S15	1 33 21	21°27'06	21°55	28°29	14°32	2°59	25°46	21°51	18°32	7°10	27° 4	20°D16	19° 1	3°11	1°26
S16	1 37 18	22°26'24	5 ^h ☉54	0 ^h ♁ 7	15°43	3°12	25°56	21°50	18°33	7°12	27° 3	20°16	18°58	3°17	1°28
M17	1 41 15	23°25'44	19°43	1°44	16°55	3°26	26° 6	21°49	18°33	7°14	27° 3	20°R17	18°55	3°24	1°31
T18	1 45 11	24°25'05	3 ^h ♁22	3°21	18° 7	3°41	26°16	21°48	18°34	7°16	27° 2	20°16	18°51	3°31	1°34
W19	1 49 8	25°24'28	16°51	4°57	19°19	3°56	26°25	21°47	18°34	7°19	27° 2	20°13	18°48	3°37	1°36
T20	1 53 4	26°23'53	0 ^h ♁10	6°33	20°31	4°11	26°35	21°46	18°34	7°21	27° 1	20° 8	18°45	3°44	1°38
F21	1 57 1	27°23'20	13°18	8° 8	21°43	4°28	26°44	21°46	18°35	7°23	27° 0	19°59	18°42	3°51	1°40
S22	2 0 57	28°22'49	26°13	9°42	22°55	4°45	26°53	21°45	18°35	7°25	27° 0	19°49	18°39	3°57	1°43
S23	2 4 54	29°22'20	8 ^h ☉56	11°15	24° 7	5° 2	27° 2	21°45	18°35	7°27	26°59	19°36	18°35	4° 4	1°45
M24	2 8 50	0 ^h ♁21'53	21°26	12°48	25°20	5°20	27°11	21°45	18°35	7°30	26°59	19°24	18°32	4°11	1°47
T25	2 12 47	1°21'28	3 ^h II42	14°20	26°32	5°39	27°20	21°44	18°R35	7°32	26°59	19°12	18°29	4°18	1°48
W26	2 16 44	2°21'05	15°48	15°52	27°45	5°58	27°29	21°44	18°35	7°34	26°58	19° 1	18°26	4°24	1°50
T27	2 20 40	3°20'45	27°43	17°23	28°57	6°18	27°37	21°D44	18°35	7°36	26°58	18°53	18°23	4°31	1°52
F28	2 24 37	4°20'27	9 ^h ☉34	18°54	0 ^h Ω10	6°38	27°46	21°44	18°35	7°39	26°57	18°48	18°20	4°38	1°53
S29	2 28 33	5°20'11	21°22	20°23	1°23	6°58	27°54	21°44	18°35	7°41	26°57	18°46	18°16	4°44	1°55
S30	2 32 30	6°19'57	3 ^h Ω14	21°53	2°36	7°20	28° 3	21°45	18°34	7°43	26°57	18°D45	18°13	4°51	1°56
M31	2 36 26	7 ^h ♁19'45	15 ^h Ω15	23 ^h ♁21	3 ^h ☉49	7 ^h ♁41	28 ^h Ω11	21 ^h ☉45	18 ^h ☉34	7 ^h ♁45	26 ^h ☉57	18 ^h R45	18 ^h ☉10	4 ^h ☉58	1 ^h Ω58

Delta T = 10m58s

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SWISS EPHEMERIS for the year 2287

NOVEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	2 40 23	8 ^m 19'35	27 ^Ω 31	24 ^m 50	5 ^Ω 2	8 [♁] 3	28 [♄] 19	21 [♃] 46	18 [♂] R34	7 ^m 48	26 [♁] R56	18 [♈] R45	18 [♉] 7	5 [♊] 4	1 [♋] 59		
W 2	2 44 19	9°19'28	10 [♈] 6	26°17	6°15	8°26	28°27	21°46	18 [♁] 33	7°50	26 [♁] 56	18 [♈] 43	18° 4	5°11	2° 0		
T 3	2 48 16	10°19'23	23° 5	27°44	7°28	8°49	28°34	21°47	18°33	7°52	26°56	18°39	18° 0	5°18	2° 1		
F 4	2 52 13	11°19'19	6 [♁] 30	29°10	8°41	9°13	28°42	21°48	18°32	7°54	26°56	18°33	17°57	5°24	2° 2		
S 5	2 56 9	12°19'18	20°23	0 [♁] 36	9°55	9°37	28°49	21°49	18°32	7°57	26°55	18°23	17°54	5°31	2° 3		
S 6	3 0 6	13°19'19	4 ^m 40	2° 0	11° 8	10° 1	28°57	21°50	18°31	7°59	26°55	18°12	17°51	5°38	2° 4		
M 7	3 4 2	14°19'22	19°17	3°24	12°21	10°26	29° 4	21°51	18°30	8° 1	26°55	18° 0	17°48	5°44	2° 4		
T 8	3 7 59	15°19'27	4 [♁] 6	4°48	13°35	10°51	29°11	21°52	18°30	8° 3	26°55	17°48	17°45	5°51	2° 5		
W 9	3 11 55	16°19'34	18°58	6°10	14°48	11°17	29°18	21°53	18°29	8° 5	26°55	17°39	17°41	5°58	2° 5		
T 10	3 15 52	17°19'42	3 [♁] 44	7°31	16° 2	11°43	29°25	21°55	18°28	8° 8	26°D55	17°31	17°38	6° 4	2° 5		
F 11	3 19 48	18°19'52	18°18	8°52	17°16	12° 9	29°31	21°56	18°27	8°10	26°55	17°27	17°35	6°11	2° 6		
S 12	3 23 45	19°20'03	2 [♁] 36	10°11	18°29	12°36	29°38	21°58	18°26	8°12	26°55	17°25	17°32	6°18	2° 6		
S 13	3 27 42	20°20'16	16°37	11°29	19°43	13° 3	29°44	22° 0	18°25	8°14	26°55	17°25	17°29	6°24	2°R 6		
M 14	3 31 38	21°20'30	0 [♁] 19	12°46	20°57	13°30	29°50	22° 2	18°24	8°17	26°55	17°24	17°26	6°31	2° 6		
T 15	3 35 35	22°20'46	13°45	14° 1	22°11	13°58	29°56	22° 4	18°23	8°19	26°55	17°23	17°22	6°38	2° 6		
W 16	3 39 31	23°21'02	26°57	15°15	23°25	14°26	0 [♈] 2	22° 6	18°22	8°21	26°56	17°20	17°19	6°44	2° 6		
T 17	3 43 28	24°21'21	9 [♁] 55	16°26	24°39	14°55	0° 8	22° 8	18°21	8°23	26°56	17°13	17°16	6°51	2° 5		
F 18	3 47 24	25°21'41	22°43	17°36	25°53	15°24	0°13	22°10	18°20	8°25	26°56	17° 4	17°13	6°58	2° 5		
S 19	3 51 21	26°22'02	5 [♁] 19	18°43	27° 7	15°53	0°19	22°12	18°18	8°27	26°56	16°52	17°10	7° 5	2° 4		
S 20	3 55 17	27°22'25	17°45	19°47	28°21	16°22	0°24	22°15	18°17	8°30	26°56	16°39	17° 6	7°11	2° 4		
M 21	3 59 14	28°22'50	0 [♈] 2	20°49	29°35	16°52	0°29	22°17	18°16	8°32	26°57	16°24	17° 3	7°18	2° 3		
T 22	4 3 11	29°23'16	12° 9	21°47	0 ^m 50	17°22	0°34	22°20	18°14	8°34	26°57	16°11	17° 0	7°25	2° 2		
W 23	4 7 7	0 [♁] 23'44	24° 8	22°41	2° 4	17°52	0°39	22°22	18°13	8°36	26°57	15°59	16°57	7°31	2° 1		
T 24	4 11 4	1°24'13	6 [♁] 1	23°31	3°18	18°22	0°43	22°25	18°11	8°38	26°58	15°50	16°54	7°38	2° 0		
F 25	4 15 0	2°24'44	17°49	24°15	4°32	18°53	0°48	22°28	18°10	8°40	26°58	15°44	16°51	7°45	1°59		
S 26	4 18 57	3°25'17	29°36	24°55	5°47	19°24	0°52	22°31	18° 8	8°42	26°58	15°40	16°47	7°51	1°58		
S 27	4 22 53	4°25'52	11 [♁] 26	25°28	7° 1	19°55	0°56	22°34	18° 7	8°44	26°59	15°D39	16°44	7°58	1°57		
M 28	4 26 50	5°26'28	2°25	25°54	8°16	20°26	1° 0	22°37	18° 5	8°46	26°59	15°39	16°41	8° 5	1°55		
T 29	4 30 46	6°27'05	5 [♈] 37	26°12	9°30	20°58	1° 3	22°41	18° 3	8°48	27° 0	15°R39	16°38	8°11	1°54		
W 30	4 34 43	7 [♁] 27'45	18 [♈] 8	26 [♁] 22	10 ^m 45	21 [♁] 30	1 [♈] 7	22 [♁] 44	18 [♁] 2	8 ^m 50	27 [♁] 0	15 [♁] 39	16 [♁] 35	8 [♁] 18	1 [♁] 52		

Delta T = 10m58s

DECEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	4 38 40	8 [♁] 28'26	1 [♁] 3	26°R23	11 ^m 59	22 [♁] 2	1 [♈] 10	22 [♁] 47	18°R 0	8 ^m 53	27 [♁] 1	15°R37	16 [♁] 32	8 [♁] 25	1°R51		
F 2	4 42 36	9°29'09	14°25	26 [♁] 13	13°14	22°34	1°13	22°51	17 [♁] 58	8°55	27° 1	15 [♁] 32	16°28	8°31	1 [♁] 49		
S 3	4 46 33	10°29'53	28°18	25°53	14°29	23° 6	1°16	22°55	17°56	8°56	27° 2	15°25	16°25	8°38	1°47		
S 4	4 50 29	11°30'39	12 ^m 39	25°22	15°43	23°39	1°19	22°58	17°54	8°58	27° 3	15°16	16°22	8°45	1°45		
M 5	4 54 26	12°31'26	27°26	24°40	16°58	24°12	1°22	23° 2	17°52	9° 0	27° 3	15° 5	16°19	8°51	1°43		
T 6	4 58 22	13°32'15	12 [♁] 30	23°48	18°13	24°45	1°24	23° 6	17°50	9° 2	27° 4	14°55	16°16	8°58	1°41		
W 7	5 2 19	14°33'04	27°41	22°45	19°28	25°18	1°26	23°10	17°48	9° 4	27° 5	14°47	16°12	9° 5	1°39		
T 8	5 6 15	15°33'55	12 [♁] 50	21°35	20°42	25°52	1°28	23°14	17°46	9° 6	27° 5	14°41	16° 9	9°11	1°36		
F 9	5 10 12	16°34'47	27°46	20°17	21°57	26°26	1°30	23°18	17°44	9° 8	27° 6	14°37	16° 6	9°18	1°34		
S 10	5 14 9	17°35'40	12 [♁] 22	18°56	23°12	26°59	1°32	23°22	17°42	9°10	27° 7	14°D36	16° 3	9°25	1°32		
S 11	5 18 5	18°36'34	26°36	17°33	24°27	27°33	1°33	23°27	17°40	9°12	27° 8	14°36	16° 0	9°31	1°29		
M 12	5 22 2	19°37'28	10 [♁] 25	16°11	25°42	28° 8	1°35	23°31	17°38	9°14	27° 9	14°37	15°57	9°38	1°26		
T 13	5 25 58	20°38'22	23°52	14°54	26°57	28°42	1°36	23°35	17°35	9°15	27° 9	14°R38	15°53	9°45	1°24		
W 14	5 29 55	21°39'18	6 [♁] 58	13°43	28°12	29°16	1°36	23°40	17°33	9°17	27°10	14°36	15°50	9°51	1°21		
T 15	5 33 51	22°40'14	19°46	12°40	29°27	29°51	1°37	23°45	17°31	9°19	27°11	14°33	15°47	9°58	1°18		
F 16	5 37 48	23°41'11	2 [♁] 20	11°48	0 [♁] 42	0 [♁] 26	1°38	23°49	17°29	9°21	27°12	14°27	15°44	10° 5	1°15		
S 17	5 41 45	24°42'08	14°42	11° 6	1°56	1° 1	1°38	23°54	17°26	9°22	27°13	14°19	15°41	10°11	1°12		
S 18	5 45 41	25°43'07	26°54	10°35	3°11	1°36	1°R38	23°59	17°24	9°24	27°14	14°10	15°38	10°18	1° 9		
M 19	5 49 38	26°44'05	8 [♈] 58	10°16	4°26	2°11	1°38	24° 4	17°22	9°26	27°15	14° 0	15°34	10°25	1° 6		
T 20	5 53 34	27°45'05	20°56	10°D 7	5°42	2°46	1°38	24° 9	17°19	9°27	27°16	13°51	15°31	10°31	1° 3		
W 21	5 57 31	28°46'05	2 [♁] 49	10° 9	6°57	3°21	1°37	24°14	17°17	9°29	27°17	13°43	15°28	10°38	1° 0		
T 22	6 1 27	29°47'06	14°38	10°20	8°12	3°57	1°36	24°19	17°14	9°31	27°18	13°37	15°25	10°45	0°56		
F 23	6 5 24	0 [♁] 48'08	26°27	10°40	9°27	4°33	1°35	24°24	17°12	9°32	27°19	13°33	15°22	10°51	0°53		
S 24	6 9 20	1°49'11	8 [♁] 16	11° 8	10°42	5° 8	1°34	24°29	17°10	9°34	27°20	13°D31	15°18	10°58	0°49		
S 25	6 13 17	2°50'14	20° 9	11°43	11°57	5°44	1°33	24°35	17° 7	9°35	27°21	13°31	15°15	11° 5	0°46		
M 26	6 17 14	3°51'18	2 [♈] 9	12°25	13°12	6°20	1°32	24°40	17° 5	9°37	27°22	13°33	15°12	11°11	0°42		
T 27	6 21 10	4°52'22	14°22	13°12	14°27	6°56	1°30	24°45	17° 2	9°38	27°24	13°34	15° 9	11°18	0°39		
W 28	6 25 7	5°53'27	26°50	14° 4	15°42	7°32	1°28	24°51	17° 0	9°40	27°25	13°36	15° 6	11°25	0°35		
T 29	6 29 3	6°54'33	9 [♁] 40	15° 0	16°57	8° 9	1°26	24°57	16°57	9°41	27°26	13°R36	15° 3	11°31	0°31		
F 30	6 33 0	7°55'40	22°54	16° 0	18°13	8°45	1°24	25° 2	16°54	9°42	27°27	13°35	14°59	11°38	0°28		
S 31	6 36 56	8 [♁] 56'48	6 ^m 37	17 [♁] 4	19 [♁] 28	9 [♁] 21	1 [♈] 21	25 [♁] 8	16 [♁] 52	9 ^m 44	27 [♁] 28	13 [♁] 32	14 [♁] 56	11 [♁] 45	0 [♁] 24		

Delta T = 10m58s

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