

SWISS EPHEMERIS for the year 1885

JANUARY 1885

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
T 1	6 43 14	10°38'14	7°34	17°R32	10°A44	20°B22	5°R40	19°R11	2°A55	20°R46	0°R30	9°R12	9°A14	24°A 3	5°R16
F 2	6 47 11	11°49'22	22°50	16°B20	11°59	21° 9	5°M37	19°II 7	2°55	20°B45	0°II30	9°A 0	9°11	24°10	5°II13
S 3	6 51 7	12°50'31	7°A52	15° 3	13°13	21°55	5°35	19° 2	2°56	20°44	0°29	8°49	9° 8	24°17	5°11
S 4	6 55 4	13°51'39	22°30	13°43	14°27	22°42	5°32	18°58	2°56	20°44	0°28	8°41	9° 5	24°24	5° 8
M 5	6 59 0	14°52'47	6°M40	12°22	15°42	23°29	5°30	18°54	2°56	20°43	0°27	8°35	9° 2	24°30	5° 6
T 6	7 2 57	15°53'56	20°19	11° 3	16°56	24°16	5°27	18°50	2°56	20°42	0°26	8°32	8°58	24°37	5° 3
W 7	7 6 53	16°55'04	3°A28	9°49	18°11	25° 3	5°24	18°46	2°R56	20°41	0°26	8°31	8°55	24°44	5° 1
T 8	7 10 50	17°56'13	16°12	8°41	19°25	25°50	5°20	18°42	2°56	20°40	0°25	8°31	8°52	24°50	4°59
F 9	7 14 47	18°57'22	28°36	7°42	20°40	26°36	5°17	18°38	2°56	20°40	0°24	8°31	8°49	24°57	4°56
S 10	7 18 43	19°58'30	10°M44	6°51	21°54	27°23	5°13	18°34	2°56	20°39	0°24	8°29	8°46	25° 4	4°54
S 11	7 22 40	20°59'39	22°41	6°10	23° 9	28°10	5° 9	18°30	2°56	20°38	0°23	8°25	8°43	25°11	4°52
M 12	7 26 36	22° 0'48	4°A33	5°38	24°24	28°57	5° 5	18°27	2°55	20°38	0°22	8°18	8°39	25°17	4°50
T 13	7 30 33	23° 1'56	16°23	5°16	25°38	29°44	5° 1	18°23	2°55	20°37	0°22	8° 8	8°36	25°24	4°48
W 14	7 34 29	24° 3'04	28°14	5° 4	26°53	0°A31	4°57	18°19	2°55	20°36	0°21	7°56	8°33	25°31	4°46
T 15	7 38 26	25° 4'12	10°B 8	5°D 0	28° 7	1°18	4°52	18°16	2°54	20°36	0°20	7°42	8°30	25°37	4°44
F 16	7 42 22	26° 5'19	22° 8	5° 5	29°22	2° 5	4°47	18°13	2°54	20°35	0°20	7°28	8°27	25°44	4°42
S 17	7 46 19	27° 6'25	4°A13	5°18	0°B37	2°53	4°43	18° 9	2°53	20°35	0°19	7°14	8°24	25°51	4°41
S 18	7 50 16	28° 7'31	16°26	5°38	1°51	3°40	4°37	18° 6	2°53	20°34	0°19	7° 3	8°20	25°58	4°39
M 19	7 54 12	29° 8'37	28°46	6° 4	3° 6	4°27	4°32	18° 3	2°52	20°34	0°18	6°54	8°17	26° 4	4°37
T 20	7 58 9	0°A 9 41	11°H 15	6°36	4°21	5°14	4°27	18° 0	2°51	20°34	0°18	6°48	8°14	26°11	4°36
W 21	8 2 5	1°10'44	23°56	7°14	5°35	6° 1	4°21	17°57	2°51	20°33	0°17	6°45	8°11	26°18	4°34
T 22	8 6 2	2°11'47	6°V 50	7°56	6°50	6°48	4°16	17°54	2°50	20°33	0°17	6°D44	8° 8	26°24	4°33
F 23	8 9 58	3°12'48	20° 0	8°43	8° 5	7°36	4°10	17°51	2°49	20°33	0°16	6°45	8° 4	26°31	4°31
S 24	8 13 55	4°13'49	3°B 28	9°33	9°19	8°23	4° 4	17°49	2°48	20°33	0°16	6°R45	8° 1	26°38	4°30
S 25	8 17 51	5°14'48	17°18	10°27	10°34	9°10	3°58	17°46	2°47	20°32	0°15	6°44	7°58	26°45	4°29
M 26	8 21 48	6°15'46	1°II 30	11°25	11°49	9°57	3°52	17°44	2°46	20°32	0°15	6°42	7°55	26°51	4°28
T 27	8 25 45	7°16'43	16° 3	12°25	13° 3	10°45	3°45	17°41	2°45	20°32	0°15	6°37	7°52	26°58	4°27
W 28	8 29 41	8°17'39	0°B 52	13°29	14°18	11°32	3°39	17°39	2°44	20°32	0°14	6°29	7°49	27° 5	4°26
T 29	8 33 38	9°18'33	15°52	14°34	15°33	12°19	3°32	17°37	2°43	20°32	0°14	6°21	7°45	27°12	4°25
F 30	8 37 34	10°19'27	0°A 53	15°42	16°48	13° 7	3°26	17°35	2°41	20°D32	0°14	6°11	7°42	27°18	4°24
S 31	8 41 31	11°20'19	15°A 45	16°B 52	18°B 2	13°A 54	3°M 19	17°II 33	2°A 40	20°B 32	0°II 13	6°A 3	7°A 39	27°A 25	4°II 23

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
S 1	8 45 27	12°21'10	0°M 20	18°B 4	19°B 17	14°A 41	3°R 12	17°R 31	2°R 39	20°B 32	0°R 13	5°R 56	7°A 36	27°A 32	4°R 22
M 2	8 49 24	13°22'00	14°31	19°17	20°32	15°29	3°M 5	17°II 30	2°A 38	20°32	0°II 13	5°A 52	7°33	27°38	4°II 22
T 3	8 53 20	14°22'49	28°15	20°33	21°47	16°16	2°58	17°28	2°36	20°32	0°13	5°50	7°29	27°45	4°21
W 4	8 57 17	15°23'37	11°A 32	21°49	23° 1	17° 3	2°51	17°27	2°35	20°32	0°12	5°D 50	7°26	27°52	4°21
T 5	9 1 14	16°24'24	24°23	23° 8	24°16	17°51	2°44	17°25	2°33	20°32	0°12	5°51	7°23	27°59	4°20
F 6	9 5 10	17°25'11	6°M 52	24°27	25°31	18°38	2°36	17°24	2°32	20°33	0°12	5°52	7°20	28° 5	4°20
S 7	9 9 7	18°25'56	19° 4	25°48	26°45	19°26	2°29	17°23	2°30	20°33	0°12	5°R 52	7°17	28°12	4°20
S 8	9 13 3	19°26'40	1°A 4	27°10	28° 0	20°13	2°21	17°22	2°28	20°33	0°12	5°51	7°14	28°19	4°20
M 9	9 17 0	20°27'23	12°57	28°33	29°15	21° 1	2°14	17°21	2°27	20°33	0°12	5°49	7°10	28°25	4°19
T 10	9 20 56	21°28'05	24°48	29°57	0°A 30	21°48	2° 6	17°20	2°25	20°34	0°12	5°44	7° 7	28°32	4°D 19
W 11	9 24 53	22°28'46	6°B 40	1°A 23	1°45	22°35	1°58	17°19	2°23	20°34	0°12	5°37	7° 4	28°39	4°19
T 12	9 28 49	23°29'26	18°38	2°49	2°59	23°23	1°51	17°19	2°21	20°35	0°12	5°29	7° 1	28°46	4°20
F 13	9 32 46	24°30'04	0°A 43	4°17	4°14	24°10	1°43	17°18	2°20	20°35	0°D 12	5°21	6°58	28°52	4°20
S 14	9 36 43	25°30'41	12°58	5°45	5°29	24°58	1°35	17°18	2°18	20°36	0°12	5°14	6°55	28°59	4°20
S 15	9 40 39	26°31'17	25°23	7°15	6°44	25°45	1°27	17°17	2°16	20°36	0°12	5° 7	6°51	29° 6	4°20
M 16	9 44 36	27°31'51	8°H 0	8°45	7°58	26°33	1°19	17°17	2°14	20°37	0°12	5° 2	6°48	29°13	4°21
T 17	9 48 32	28°32'23	20°48	10°16	9°13	27°20	1°11	17°D 17	2°12	20°37	0°12	4°59	6°45	29°19	4°21
W 18	9 52 29	29°32'54	3°V 48	11°49	10°28	28° 7	1° 4	17°17	2°10	20°38	0°12	4°D 58	6°42	29°26	4°22
T 19	9 56 25	0°H 33'23	17° 0	13°22	11°43	28°55	0°56	17°17	2° 8	20°39	0°12	4°59	6°39	29°33	4°22
F 20	10 0 22	1°33'50	0°B 24	14°56	12°57	29°42	0°48	17°18	2° 6	20°39	0°12	5° 0	6°35	29°39	4°23
S 21	10 4 18	2°34'16	14° 2	16°32	14°12	0°H 30	0°40	17°18	2° 3	20°40	0°12	5° 2	6°32	29°46	4°24
S 22	10 8 15	3°34'39	27°53	18° 8	15°27	1°17	0°32	17°19	2° 1	20°41	0°13	5°R 3	6°29	29°53	4°25
M 23	10 12 11	4°35'01	11°II 57	19°45	16°41	2° 5	0°24	17°19	1°59	20°42	0°13	5° 3	6°26	29°59	4°26
T 24	10 16 8	5°35'20	26°14	21°23	17°56	2°52	0°16	17°20	1°57	20°42	0°13	5° 1	6°23	0°B 6	4°27
W 25	10 20 5	6°35'37	10°B 40	23° 2	19°11	3°39	0° 8	17°21	1°55	20°43	0°13	4°59	6°20	0°13	4°28
T 26	10 24 1	7°35'53	25°12	24°42	20°26	4°27	0° 1	17°22	1°52	20°44	0°14	4°55	6°16	0°20	4°29
F 27	10 27 58	8°36'06	9°A 45	26°23	21°40	5°14	29°A 53	17°23	1°50	20°45	0°14	4°51	6°13	0°26	4°30
S 28	10 31 54	9°H 36'18	24°A 11	28°A 5	22°A 55	6°H 1	29°A 45	17°II 24	1°A 48	20°B 46	0°II 14	4°A 47	6°A 10	0°B 33	4°II 31

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SWISS EPHEMERIS for the year 1885

MARCH 1885

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	10 35 51	10 ^h 36'27"	8 ^m 25	29 ^s 49	24 ^s 10	6 ^h 49	29 ^o R37	17 ^h 26	1 ^o R45	20 ^h 47	0 ^h 15	4 ^o R44	6 ^h 7	0 ^h 40	4 ^h 33
M 2	10 39 47	11 ^h 36'35"	22 ^m 23	1 ^h 33	25 ^h 24	7 ^h 36	29 ^o Q30	17 ^h 27	1 ^h 43	20 ^h 48	0 ^h 15	4 ^h D43	6 ^h 4	0 ^h 47	4 ^h 34
T 3	10 43 44	12 ^h 36'41"	6 ^m 0	3 ^h 18	26 ^h 39	8 ^h 23	29 ^o 22	17 ^h 28	1 ^h 41	20 ^h 49	0 ^h 15	4 ^h D42	6 ^h 1	0 ^h 53	4 ^h 36
W 4	10 47 40	13 ^h 36'45"	19 ^m 14	5 ^h 4	27 ^h 54	9 ^h 11	29 ^o 15	17 ^h 30	1 ^h 38	20 ^h 50	0 ^h 16	4 ^h 43	5 ^h 57	1 ^h 0	4 ^h 37
T 5	10 51 37	14 ^h 36'47"	2 ^m 7	6 ^h 52	29 ^h 8	9 ^h 58	29 ^o 7	17 ^h 32	1 ^h 36	20 ^h 51	0 ^h 16	4 ^h 44	5 ^h 54	1 ^h 7	4 ^h 39
F 6	10 55 34	15 ^h 36'48"	14 ^m 40	8 ^h 40	0 ^h 23	10 ^h 45	29 ^o 0	17 ^h 34	1 ^h 33	20 ^h 52	0 ^h 17	4 ^h 46	5 ^h 51	1 ^h 14	4 ^h 41
S 7	10 59 30	16 ^h 36'47"	26 ^m 56	10 ^h 30	1 ^h 37	11 ^h 33	28 ^o 53	17 ^h 36	1 ^h 31	20 ^h 54	0 ^h 17	4 ^h 47	5 ^h 48	1 ^h 20	4 ^h 42
S 8	11 3 27	17 ^h 36'45"	9 ^m 0	12 ^h 21	2 ^h 52	12 ^h 20	28 ^o 46	17 ^h 38	1 ^h 28	20 ^h 55	0 ^h 18	4 ^h 48	5 ^h 45	1 ^h 27	4 ^h 44
M 9	11 7 23	18 ^h 36'41"	20 ^m 56	14 ^h 13	4 ^h 7	13 ^h 7	28 ^o 39	17 ^h 40	1 ^h 26	20 ^h 56	0 ^h 18	4 ^h R48	5 ^h 41	1 ^h 34	4 ^h 46
T 10	11 11 20	19 ^h 36'35"	2 ^m 38	16 ^h 6	5 ^h 21	13 ^h 54	28 ^o 32	17 ^h 42	1 ^h 23	20 ^h 57	0 ^h 19	4 ^h 48	5 ^h 38	1 ^h 40	4 ^h 48
W 11	11 15 16	20 ^h 36'28"	14 ^m 42	18 ^h 0	6 ^h 36	14 ^h 41	28 ^o 25	17 ^h 45	1 ^h 21	20 ^h 59	0 ^h 19	4 ^h 47	5 ^h 35	1 ^h 47	4 ^h 50
T 12	11 19 13	21 ^h 36'19"	26 ^m 42	19 ^h 55	7 ^h 51	15 ^h 29	28 ^o 18	17 ^h 47	1 ^h 18	21 ^h 0	0 ^h 20	4 ^h 45	5 ^h 32	1 ^h 54	4 ^h 52
F 13	11 23 9	22 ^h 36'08"	8 ^m 51	21 ^h 51	9 ^h 5	16 ^h 16	28 ^o 11	17 ^h 50	1 ^h 16	21 ^h 1	0 ^h 20	4 ^h 43	5 ^h 29	2 ^h 1	4 ^h 54
S 14	11 27 6	23 ^h 35'55"	21 ^m 13	23 ^h 48	10 ^h 20	17 ^h 3	28 ^o 5	17 ^h 52	1 ^h 13	21 ^h 3	0 ^h 21	4 ^h 41	5 ^h 26	2 ^h 7	4 ^h 57
S 15	11 31 3	24 ^h 35'40"	3 ^m 49	25 ^h 46	11 ^h 34	17 ^h 50	27 ^o 58	17 ^h 55	1 ^h 11	21 ^h 4	0 ^h 22	4 ^h 40	5 ^h 22	2 ^h 14	4 ^h 59
M 16	11 34 59	25 ^h 35'24"	16 ^m 42	27 ^h 45	12 ^h 49	18 ^h 37	27 ^o 52	17 ^h 58	1 ^h 8	21 ^h 5	0 ^h 22	4 ^h 39	5 ^h 19	2 ^h 21	5 ^h 1
T 17	11 38 56	26 ^h 35'05"	29 ^m 51	29 ^h 45	14 ^h 3	19 ^h 24	27 ^o 46	18 ^h 1	1 ^h 5	21 ^h 7	0 ^h 23	4 ^h D39	5 ^h 16	2 ^h 27	5 ^h 4
W 18	11 42 52	27 ^h 34'45"	13 ^m 15	1 ^h 45	15 ^h 18	20 ^h 11	27 ^o 40	18 ^h 4	1 ^h 3	21 ^h 8	0 ^h 24	4 ^h 39	5 ^h 13	2 ^h 34	5 ^h 6
T 19	11 46 49	28 ^h 34'22"	26 ^m 53	3 ^h 45	16 ^h 33	20 ^h 58	27 ^o 34	18 ^h 8	1 ^h 0	21 ^h 10	0 ^h 24	4 ^h 39	5 ^h 10	2 ^h 41	5 ^h 9
F 20	11 50 45	29 ^h 33'57"	10 ^m 42	5 ^h 46	17 ^h 47	21 ^h 45	27 ^o 28	18 ^h 11	0 ^h 58	21 ^h 11	0 ^h 25	4 ^h 40	5 ^h 6	2 ^h 48	5 ^h 12
S 21	11 54 42	0 ^h 33'31"	24 ^m 41	7 ^h 47	19 ^h 2	22 ^h 32	27 ^o 22	18 ^h 14	0 ^h 55	21 ^h 13	0 ^h 26	4 ^h 40	5 ^h 3	2 ^h 54	5 ^h 14
S 22	11 58 38	1 ^h 33'01"	8 ^m 47	9 ^h 47	20 ^h 16	23 ^h 19	27 ^o 17	18 ^h 18	0 ^h 52	21 ^h 14	0 ^h 27	4 ^h 40	5 ^h 0	3 ^h 1	5 ^h 17
M 23	12 2 35	2 ^h 32'30"	22 ^m 58	11 ^h 47	21 ^h 31	24 ^h 6	27 ^o 11	18 ^h 21	0 ^h 50	21 ^h 16	0 ^h 27	4 ^h 40	4 ^h 57	3 ^h 8	5 ^h 20
T 24	12 6 31	3 ^h 31'56"	7 ^m 11	13 ^h 46	22 ^h 45	24 ^h 53	27 ^o 6	18 ^h 25	0 ^h 47	21 ^h 18	0 ^h 28	4 ^h R41	4 ^h 54	3 ^h 15	5 ^h 23
W 25	12 10 28	4 ^h 31'20"	21 ^m 23	15 ^h 44	24 ^h 0	25 ^h 40	27 ^o 1	18 ^h 29	0 ^h 44	21 ^h 19	0 ^h 29	4 ^h D41	4 ^h 51	3 ^h 21	5 ^h 26
T 26	12 14 25	5 ^h 30'41"	5 ^m 33	17 ^h 40	25 ^h 14	26 ^h 27	26 ^o 56	18 ^h 33	0 ^h 42	21 ^h 21	0 ^h 30	4 ^h 41	4 ^h 47	3 ^h 28	5 ^h 29
F 27	12 18 21	6 ^h 30'00"	19 ^m 38	19 ^h 34	26 ^h 28	27 ^h 14	26 ^o 52	18 ^h 37	0 ^h 39	21 ^h 23	0 ^h 31	4 ^h 41	4 ^h 44	3 ^h 35	5 ^h 32
S 28	12 22 18	7 ^h 29'17"	3 ^m 34	21 ^h 26	27 ^h 43	28 ^h 0	26 ^o 47	18 ^h 41	0 ^h 37	21 ^h 24	0 ^h 32	4 ^h 41	4 ^h 41	3 ^h 41	5 ^h 35
S 29	12 26 14	8 ^h 28'32"	17 ^m 20	23 ^h 15	28 ^h 57	28 ^h 47	26 ^o 43	18 ^h 45	0 ^h 34	21 ^h 26	0 ^h 32	4 ^h 41	4 ^h 38	3 ^h 48	5 ^h 38
M 30	12 30 11	9 ^h 27'44"	0 ^m 53	25 ^h 1	0 ^h 12	29 ^h 34	26 ^o 38	18 ^h 49	0 ^h 32	21 ^h 28	0 ^h 33	4 ^h R41	4 ^h 35	3 ^h 55	5 ^h 41
T 31	12 34 7	10 ^h 26'54"	14 ^m 11	26 ^h 44	1 ^h 26	0 ^h 21	26 ^o 34	18 ^h 53	0 ^h 29	21 ^h 30	0 ^h 34	4 ^h D41	4 ^h 32	4 ^h 2	5 ^h 44

Delta T = -5.87 sec.

APRIL 1885

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	12 38 4	11 ^h 26'02"	27 ^m 13	28 ^h 22	2 ^h 40	1 ^h 7	26 ^o R30	18 ^h 58	0 ^h R26	21 ^h 31	0 ^h 35	4 ^o R41	4 ^h 28	4 ^h 8	5 ^h 48
T 2	12 42 0	12 ^h 25'09"	9 ^m 58	29 ^h 56	3 ^h 55	1 ^h 54	26 ^o 27	19 ^h 2	0 ^h 24	21 ^h 33	0 ^h 36	4 ^h D40	4 ^h 25	4 ^h 15	5 ^h 51
F 3	12 45 57	13 ^h 24'13"	22 ^m 28	1 ^h 26	5 ^h 9	2 ^h 40	26 ^o 23	19 ^h 7	0 ^h 21	21 ^h 35	0 ^h 37	4 ^h 39	4 ^h 22	4 ^h 22	5 ^h 54
S 4	12 49 54	14 ^h 23'16"	4 ^m 44	2 ^h 50	6 ^h 23	3 ^h 27	26 ^o 20	19 ^h 12	0 ^h 19	21 ^h 37	0 ^h 38	4 ^h 38	4 ^h 19	4 ^h 28	5 ^h 58
S 5	12 53 50	15 ^h 22'16"	16 ^m 49	4 ^h 9	7 ^h 38	4 ^h 13	26 ^o 17	19 ^h 16	0 ^h 16	21 ^h 39	0 ^h 39	4 ^h 36	4 ^h 16	4 ^h 35	6 ^h 1
M 6	12 57 47	16 ^h 21'15"	28 ^m 46	5 ^h 23	8 ^h 52	5 ^h 0	26 ^o 14	19 ^h 21	0 ^h 14	21 ^h 41	0 ^h 40	4 ^h 35	4 ^h 12	4 ^h 42	6 ^h 5
T 7	13 1 43	17 ^h 20'13"	10 ^m 39	6 ^h 32	10 ^h 6	5 ^h 46	26 ^o 11	19 ^h 26	0 ^h 11	21 ^h 43	0 ^h 41	4 ^h 35	4 ^h 9	4 ^h 49	6 ^h 9
W 8	13 5 40	18 ^h 19'08"	22 ^m 33	7 ^h 34	11 ^h 21	6 ^h 33	26 ^o 8	19 ^h 31	0 ^h 9	21 ^h 45	0 ^h 42	4 ^h D35	4 ^h 6	4 ^h 55	6 ^h 12
T 9	13 9 36	19 ^h 18'02"	4 ^m 33	8 ^h 30	12 ^h 35	7 ^h 19	26 ^o 6	19 ^h 36	0 ^h 7	21 ^h 47	0 ^h 43	4 ^h 35	4 ^h 3	5 ^h 2	6 ^h 16
F 10	13 13 33	20 ^h 16'53"	16 ^m 43	9 ^h 21	13 ^h 49	8 ^h 5	26 ^o 3	19 ^h 41	0 ^h 4	21 ^h 49	0 ^h 44	4 ^h 36	4 ^h 0	5 ^h 9	6 ^h 20
S 11	13 17 29	21 ^h 15'43"	29 ^m 7	10 ^h 5	15 ^h 4	8 ^h 52	26 ^o 1	19 ^h 47	0 ^h 2	21 ^h 51	0 ^h 45	4 ^h 38	3 ^h 57	5 ^h 16	6 ^h 23
S 12	13 21 26	22 ^h 14'32"	11 ^m 49	10 ^h 43	16 ^h 18	9 ^h 38	25 ^o 59	19 ^h 52	29 ^h 59	21 ^h 53	0 ^h 46	4 ^h 39	3 ^h 53	5 ^h 22	6 ^h 27
M 13	13 25 23	23 ^h 13'18"	24 ^m 51	11 ^h 14	17 ^h 32	10 ^h 24	25 ^o 57	19 ^h 57	29 ^h 57	21 ^h 55	0 ^h 47	4 ^h 40	3 ^h 50	5 ^h 29	6 ^h 31
T 14	13 29 19	24 ^h 12'03"	8 ^m 15	11 ^h 39	18 ^h 46	11 ^h 10	25 ^o 56	20 ^h 3	29 ^h 55	21 ^h 57	0 ^h 49	4 ^h R40	3 ^h 47	5 ^h 36	6 ^h 35
W 15	13 33 16	25 ^h 10'45"	22 ^m 1	11 ^h 58	20 ^h 1	11 ^h 57	25 ^o 55	20 ^h 8	29 ^h 52	21 ^h 59	0 ^h 50	4 ^h 39	3 ^h 44	5 ^h 42	6 ^h 39
T 16	13 37 12	26 ^h 9'26"	6 ^m 4	12 ^h 11	21 ^h 15	12 ^h 43	25 ^o 53	20 ^h 14	29 ^h 50	22 ^h 1	0 ^h 51	4 ^h 37	3 ^h 41	5 ^h 49	6 ^h 43
F 17	13 41 9	27 ^h 8'05"	20 ^m 23	12 ^h 17	22 ^h 29	13 ^h 29	25 ^o 52	20 ^h 19	29 ^h 48	22 ^h 3	0 ^h 52	4 ^h 35	3 ^h 37	5 ^h 56	6 ^h 47
S 18	13 45 5	28 ^h 6'42"	4 ^m 50	12 ^h R18	23 ^h 43	14 ^h 15	25 ^o 51	20 ^h 25							

SWISS EPHEMERIS for the year 1885

MAY 1885

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
F 1	14 36 20	10♃45'28	0♂40	6°R 9	9♃46	24♃9	25♂58	21♂45	29°R20	22♃33	1♂9	4°R13	2♂53	7♃30	7♂48
S 2	14 40 17	11°43'36	12°51	5♃32	11° 0	24°54	26° 0	21°52	29♂18	22°35	1°10	4♂6	2°50	7°37	7°52
S 3	14 44 14	12°41'44	24°53	4°57	12°14	25°40	26° 2	21°59	29°17	22°37	1°12	3°59	2°47	7°43	7°57
M 4	14 48 10	13°39'49	6♃48	4°25	13°28	26°25	26° 4	22° 5	29°15	22°40	1°13	3°53	2°43	7°50	8° 1
T 5	14 52 7	14°37'53	18°41	3°56	14°42	27°10	26° 6	22°12	29°14	22°42	1°14	3°48	2°40	7°57	8° 6
W 6	14 56 3	15°35'56	0♂34	3°31	15°56	27°55	26° 8	22°19	29°12	22°44	1°16	3°45	2°37	8° 4	8°11
T 7	15 0 0	16°33'57	12°32	3° 9	17°10	28°41	26°11	22°25	29°11	22°46	1°17	3°D44	2°34	8°10	8°15
F 8	15 3 56	17°31'57	24°40	2°52	18°24	29°26	26°14	22°32	29° 9	22°49	1°18	3°44	2°31	8°17	8°20
S 9	15 7 53	18°29'56	7♂2	2°39	19°38	0♂11	26°17	22°39	29° 8	22°51	1°20	3°45	2°28	8°24	8°25
S 10	15 11 49	19°27'53	19°43	2°31	20°52	0°56	26°20	22°46	29° 6	22°53	1°21	3°47	2°24	8°31	8°29
M11	15 15 46	20°25'49	2♂48	2°D27	22° 6	1°41	26°23	22°53	29° 5	22°55	1°22	3°R47	2°21	8°37	8°34
T 12	15 19 43	21°23'44	16°19	2°28	23°20	2°26	26°27	23° 0	29° 4	22°58	1°24	3°47	2°18	8°44	8°39
W13	15 23 39	22°21'37	0♂16	2°33	24°34	3°10	26°30	23° 7	29° 2	23° 0	1°25	3°44	2°15	8°51	8°44
T 14	15 27 36	23°19'29	14°37	2°43	25°47	3°55	26°34	23°14	29° 1	23° 2	1°26	3°39	2°12	8°57	8°49
F 15	15 31 32	24°17'20	29°18	2°57	27° 1	4°40	26°38	23°22	29° 0	23° 4	1°28	3°33	2° 9	9° 4	8°53
S 16	15 35 29	25°15'09	14♂11	3°16	28°15	5°25	26°42	23°29	28°59	23° 7	1°29	3°25	2° 5	9°11	8°58
S 17	15 39 25	26°12'57	29° 8	3°40	29°29	6° 9	26°47	23°36	28°58	23° 9	1°30	3°17	2° 2	9°18	9° 3
M18	15 43 22	27°10'43	14♂0	4° 7	0♂43	6°54	26°51	23°43	28°57	23°11	1°32	3°10	1°59	9°24	9° 8
T 19	15 47 18	28° 8'28	28°38	4°39	1°57	7°38	26°56	23°50	28°56	23°13	1°33	3° 5	1°56	9°31	9°13
W20	15 51 15	29° 6'10	12♂59	5°15	3°10	8°23	27° 1	23°58	28°55	23°16	1°34	3° 2	1°53	9°38	9°18
T 21	15 55 12	0♂3'52	26°59	5°54	4°24	9° 7	27° 6	24° 5	28°54	23°18	1°36	3°D 0	1°49	9°44	9°23
F 22	15 59 8	1° 1'31	10♂39	6°38	5°38	9°52	27°11	24°13	28°53	23°20	1°37	3° 1	1°46	9°51	9°28
S 23	16 3 5	1°59'09	24° 0	7°25	6°52	10°36	27°16	24°20	28°53	23°22	1°38	3° 1	1°43	9°58	9°33
S 24	16 7 1	2°56'46	7♂3	8°15	8° 6	11°20	27°22	24°27	28°52	23°25	1°40	3°R 2	1°40	10° 5	9°37
M25	16 10 58	3°54'21	19°52	9° 9	9°19	12° 4	27°27	24°35	28°51	23°27	1°41	3° 0	1°37	10°11	9°42
T 26	16 14 54	4°51'55	2♂28	10° 7	10°33	12°48	27°33	24°42	28°51	23°29	1°43	2°57	1°34	10°18	9°47
W27	16 18 51	5°49'27	14°55	11° 8	11°47	13°32	27°39	24°50	28°50	23°31	1°44	2°50	1°30	10°25	9°52
T 28	16 22 47	6°46'58	27°12	12°11	13° 1	14°17	27°45	24°57	28°50	23°33	1°45	2°42	1°27	10°32	9°57
F 29	16 26 44	7°44'28	9♂22	13°18	14°14	15° 0	27°51	25° 5	28°49	23°36	1°47	2°31	1°24	10°38	10° 2
S 30	16 30 41	8°41'58	21°24	14°28	15°28	15°44	27°57	25°13	28°49	23°38	1°48	2°19	1°21	10°45	10° 7
S 31	16 34 37	9♂39'26	3♂22	15♂41	16♂42	16♂28	28♂3	25♂20	28♂49	23♂40	1♂49	2♂7	1♂18	10♂52	10♂12

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
M 1	16 38 34	10♂36'53	15♂15	16♂57	17♂55	17♂12	28♂10	25♂28	28°R48	23♂42	1♂51	1°R56	1♂15	10♂58	10♂17
T 2	16 42 30	11°34'19	27° 7	18°16	19° 9	17°56	28°17	25°35	28♂48	23°44	1°52	1♂46	1°11	11° 5	10°22
W 3	16 46 27	12°31'45	8♂59	19°38	20°23	18°40	28°24	25°43	28°48	23°46	1°53	1°39	1° 8	11°12	10°27
T 4	16 50 23	13°29'10	20°56	21° 2	21°36	19°23	28°31	25°51	28°48	23°49	1°55	1°35	1° 5	11°19	10°32
F 5	16 54 20	14°26'34	3♂2	22°30	22°50	20° 7	28°38	25°59	28°48	23°51	1°56	1°32	1° 2	11°25	10°37
S 6	16 58 16	15°23'57	15°22	24° 0	24° 4	20°50	28°45	26° 6	28°D48	23°53	1°57	1°D32	0°59	11°32	10°42
S 7	17 2 13	16°21'20	28° 0	25°33	25°17	21°34	28°52	26°14	28°48	23°55	1°59	1°R32	0°55	11°39	10°47
M 8	17 6 10	17°18'42	11♂1	27° 8	26°31	22°17	29° 0	26°22	28°48	23°57	2° 0	1°32	0°52	11°45	10°52
T 9	17 10 6	18°16'04	24°30	28°46	27°45	23° 1	29° 7	26°29	28°48	23°59	2° 1	1°30	0°49	11°52	10°57
W10	17 14 3	19°13'26	8♂27	0♂27	28°58	23°44	29°15	26°37	28°48	24° 1	2° 3	1°26	0°46	11°59	11° 2
T 11	17 17 59	20°10'47	22°53	2°11	0♂12	24°27	29°23	26°45	28°48	24° 3	2° 4	1°19	0°43	12° 6	11° 7
F 12	17 21 56	21° 8'07	7♂44	3°57	1°26	25°10	29°31	26°53	28°49	24° 5	2° 5	1°11	0°40	12°12	11°12
S 13	17 25 52	22° 5'27	22°52	5°46	2°39	25°53	29°39	27° 1	28°49	24° 7	2° 7	1° 0	0°36	12°19	11°17
S 14	17 29 49	23° 2'46	8♂6	7°37	3°53	26°36	29°47	27° 8	28°50	24°10	2° 8	0°50	0°33	12°26	11°22
M15	17 33 45	24° 0'05	23°17	9°31	5° 6	27°19	29°55	27°16	28°50	24°12	2° 9	0°40	0°30	12°33	11°27
T 16	17 37 42	24°57'23	8♂13	11°28	6°20	28° 2	0♂4	27°24	28°51	24°14	2°10	0°32	0°27	12°39	11°31
W17	17 41 39	25°54'40	22°48	13°26	7°34	28°45	0°12	27°32	28°51	24°16	2°12	0°27	0°24	12°46	11°36
T 18	17 45 35	26°51'56	6♂57	15°27	8°47	29°28	0°21	27°40	28°52	24°18	2°13	0°24	0°21	12°53	11°41
F 19	17 49 32	27°49'12	20°40	17°30	10° 1	0♂11	0°30	27°47	28°52	24°19	2°14	0°23	0°17	12°59	11°46
S 20	17 53 28	28°46'26	3♂58	19°35	11°14	0°54	0°39	27°55	28°53	24°21	2°15	0°23	0°14	13° 6	11°51
S 21	17 57 25	29°43'40	16°56	21°41	12°28	1°36	0°48	28° 3	28°54	24°23	2°17	0°23	0°11	13°13	11°56
M22	18 1 21	0♂40'54	29°35	23°49	13°42	2°19	0°57	28°11	28°55	24°25	2°18	0°21	0° 8	13°20	12° 1
T 23	18 5 18	1°38'06	12♂0	25°58	14°55	3° 1	1° 6	28°19	28°56	24°27	2°19	0°16	0° 5	13°26	12° 5
W24	18 9 14	2°35'19	24°14	28° 8	16° 9	3°44	1°15	28°26	28°57	24°29	2°20	0° 9	0° 1	13°33	12°10
T 25	18 13 11	3°32'31	6♂21	0♂19	17°22	4°26	1°25	28°34	28°58	24°31	2°21	29♂59	29♂58	13°40	12°15
F 26	18 17 8	4°29'42	18°21	2°30	18°36	5° 9	1°34	28°42	28°59	24°33	2°23	29°47	29°55	13°46	12°20
S 27	18 21 4	5°26'54	0♂18	4°41	19°49	5°51	1°44	28°50	29° 0	24°34	2°24	29°34	29°52	13°53	12°24
S 28	18 25 1	6°24'05	12°11	6°52	21° 3	6°33	1°53	28°58	29° 1	24°36	2°25	29°20	29°49	14° 0	12°29
M29	18 28 57	7°21'16	24° 3	9° 2	22°16	7°15	2° 3	29° 5	29° 2	24°38	2°26	29° 7	29°46	14° 7	12°34
T 30	18 32 54	8♂18'26	5♂56	11♂12	23♂30	7♂57	2♂13	29♂13	29♂3	24♂40	2♂27	28♂56	29♂42	14♂52	12♂12

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SWISS EPHEMERIS for the year 1885

JULY 1885

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	18 36 50	9 ^h 15'37"	17 ^h 55'50"	13 ^h 22'21"	24 ^h 26'43"	8 ^h 11'39"	2 ^h 22'23"	29 ^h 11'21"	29 ^h 29' 5"	24 ^h 28'42"	2 ^h 11'28"	28 ^h 0'48"	29 ^h 29'39"	14 ^h 20'20"	12 ^h 11'43"
T 2	18 40 47	10 ^h 12'48"	29 ^h 50"	15 ^h 29'	25 ^h 57'	9 ^h 21'	2 ^h 33'	29 ^h 29'	29 ^h 6'	24 ^h 43'	2 ^h 30'	28 ^h 11'42"	29 ^h 36'	14 ^h 27'	12 ^h 48'
F 3	18 44 44	11 ^h 9'59"	11 ^h 57'57"	17 ^h 35'	27 ^h 10'	10 ^h 3'	2 ^h 43'	29 ^h 36'	29 ^h 6'	24 ^h 45'	2 ^h 31'	28 ^h 39'	29 ^h 33'	14 ^h 33'	12 ^h 52'
S 4	18 48 40	12 ^h 7'11"	24 ^h 17'	19 ^h 40'	28 ^h 23'	10 ^h 45'	2 ^h 53'	29 ^h 44'	29 ^h 9'	24 ^h 47'	2 ^h 32'	28 ^h D38"	29 ^h 30'	14 ^h 40'	12 ^h 57'
S 5	18 52 37	13 ^h 4'22"	6 ^h 54'	21 ^h 44'	29 ^h 37'	11 ^h 27'	3 ^h 4'	29 ^h 52'	29 ^h 10'	24 ^h 48'	2 ^h 33'	28 ^h R38"	29 ^h 26'	14 ^h 47'	13 ^h 1'
M 6	18 56 33	14 ^h 1'34"	19 ^h 52'	23 ^h 46'	0 ^h 50'	12 ^h 9'	3 ^h 14'	29 ^h 59'	29 ^h 12'	24 ^h 50'	2 ^h 34'	28 ^h 38"	29 ^h 23'	14 ^h 54'	13 ^h 6'
T 7	19 0 30	14 ^h 58'47"	3 ^h 15'	25 ^h 46'	2 ^h 4'	12 ^h 51'	3 ^h 24'	0 ^h 26'	29 ^h 13'	24 ^h 51'	2 ^h 35'	28 ^h 37"	29 ^h 20'	15 ^h 0'	13 ^h 10'
W 8	19 4 26	15 ^h 56'00"	17 ^h 6'	27 ^h 44'	3 ^h 17'	13 ^h 32'	3 ^h 35'	0 ^h 15'	29 ^h 15'	24 ^h 53'	2 ^h 36'	28 ^h 34"	29 ^h 17'	15 ^h 7'	13 ^h 15'
T 9	19 8 23	16 ^h 53'13"	1 ^h 11'26"	29 ^h 41'	4 ^h 31'	14 ^h 14'	3 ^h 46'	0 ^h 22'	29 ^h 17'	24 ^h 55'	2 ^h 37'	28 ^h 28"	29 ^h 14'	15 ^h 14'	13 ^h 19'
F 10	19 12 19	17 ^h 50'27"	16 ^h 13'	1 ^h 13'35"	5 ^h 44'	14 ^h 55'	3 ^h 56'	0 ^h 30'	29 ^h 18'	24 ^h 56'	2 ^h 38'	28 ^h 20"	29 ^h 11'	15 ^h 21'	13 ^h 24'
S 11	19 16 16	18 ^h 47'41"	1 ^h 19'	3 ^h 28'	6 ^h 57'	15 ^h 37'	4 ^h 7'	0 ^h 37'	29 ^h 20'	24 ^h 58'	2 ^h 39'	28 ^h 11"	29 ^h 7'	15 ^h 27'	13 ^h 28'
S 12	19 20 13	19 ^h 44'56"	16 ^h 36'	5 ^h 19'	8 ^h 11'	16 ^h 18'	4 ^h 18'	0 ^h 45'	29 ^h 22'	24 ^h 59'	2 ^h 40'	28 ^h 1"	29 ^h 4'	15 ^h 34'	13 ^h 32'
M13	19 24 9	20 ^h 42'11"	1 ^h 15'53"	7 ^h 8'	9 ^h 24'	17 ^h 0'	4 ^h 29'	0 ^h 52'	29 ^h 24'	25 ^h 1'	2 ^h 41'	27 ^h 52"	29 ^h 1'	15 ^h 41'	13 ^h 37'
T 14	19 28 6	21 ^h 39'26"	16 ^h 58'	8 ^h 55'	10 ^h 38'	17 ^h 41'	4 ^h 40'	1 ^h 0'	29 ^h 26'	25 ^h 2'	2 ^h 42'	27 ^h 45"	28 ^h 58"	15 ^h 47'	13 ^h 41'
W15	19 32 2	22 ^h 36'42"	1 ^h 11'43"	10 ^h 41'	11 ^h 51'	18 ^h 22'	4 ^h 51'	1 ^h 7'	29 ^h 28'	25 ^h 3'	2 ^h 43'	27 ^h 40"	28 ^h 55"	15 ^h 54'	13 ^h 45'
T 16	19 35 59	23 ^h 33'57"	16 ^h 3'	12 ^h 24'	13 ^h 4'	19 ^h 3'	5 ^h 2'	1 ^h 15'	29 ^h 30'	25 ^h 5'	2 ^h 44'	27 ^h 38"	28 ^h 52"	16 ^h 1'	13 ^h 49'
F 17	19 39 55	24 ^h 31'13"	29 ^h 54'	14 ^h 6'	14 ^h 18'	19 ^h 44'	5 ^h 13'	1 ^h 22'	29 ^h 32'	25 ^h 6'	2 ^h 45'	27 ^h D37"	28 ^h 48"	16 ^h 8'	13 ^h 53'
S 18	19 43 52	25 ^h 28'29"	13 ^h 17'	15 ^h 45'	15 ^h 31'	20 ^h 25'	5 ^h 24'	1 ^h 30'	29 ^h 34'	25 ^h 7'	2 ^h 46'	27 ^h 38"	28 ^h 45"	16 ^h 14'	13 ^h 57'
S 19	19 47 48	26 ^h 25'45"	26 ^h 16'	17 ^h 23'	16 ^h 44'	21 ^h 6'	5 ^h 36'	1 ^h 37'	29 ^h 36'	25 ^h 9'	2 ^h 46'	27 ^h R38"	28 ^h 42"	16 ^h 21'	14 ^h 1'
M20	19 51 45	27 ^h 23'01"	8 ^h 11'54"	18 ^h 59'	17 ^h 58'	21 ^h 47'	5 ^h 47'	1 ^h 44'	29 ^h 38'	25 ^h 10'	2 ^h 47'	27 ^h 38"	28 ^h 39"	16 ^h 28"	14 ^h 5'
T 21	19 55 42	28 ^h 20'18"	21 ^h 15'	20 ^h 33'	19 ^h 11'	22 ^h 28'	5 ^h 59'	1 ^h 52'	29 ^h 41'	25 ^h 11'	2 ^h 48'	27 ^h 35"	28 ^h 36"	16 ^h 34"	14 ^h 9'
W22	19 59 38	29 ^h 17'35"	3 ^h 12'24"	22 ^h 5'	20 ^h 24'	23 ^h 9'	6 ^h 10'	1 ^h 59'	29 ^h 43'	25 ^h 12'	2 ^h 49'	27 ^h 30"	28 ^h 32"	16 ^h 41"	14 ^h 13"
T 23	20 3 35	0 ^h 14'52"	15 ^h 25'	23 ^h 35'	21 ^h 38'	23 ^h 49'	6 ^h 22'	2 ^h 6'	29 ^h 45'	25 ^h 14'	2 ^h 50'	27 ^h 23"	28 ^h 29"	16 ^h 48"	14 ^h 17"
F 24	20 7 31	1 ^h 12'10"	27 ^h 20'	25 ^h 3'	22 ^h 51'	24 ^h 30'	6 ^h 33'	2 ^h 13'	29 ^h 47'	25 ^h 15'	2 ^h 51'	27 ^h 14"	28 ^h 26"	16 ^h 55"	14 ^h 21"
S 25	20 11 28	2 ^h 9'29"	9 ^h 13'	26 ^h 30'	24 ^h 4'	25 ^h 11'	6 ^h 45'	2 ^h 20'	29 ^h 50'	25 ^h 16'	2 ^h 51'	27 ^h 4"	28 ^h 23"	17 ^h 1'	14 ^h 25"
S 26	20 15 24	3 ^h 6'48"	21 ^h 5'	27 ^h 54'	25 ^h 17'	25 ^h 51'	6 ^h 57'	2 ^h 28'	29 ^h 52'	25 ^h 17'	2 ^h 52'	26 ^h 54"	28 ^h 20"	17 ^h 8'	14 ^h 29"
M27	20 19 21	4 ^h 4'07"	2 ^h 55'	29 ^h 16'	26 ^h 30'	26 ^h 32'	7 ^h 9'	2 ^h 35'	29 ^h 55'	25 ^h 18'	2 ^h 53'	26 ^h 44"	28 ^h 17"	17 ^h 15"	14 ^h 33"
T 28	20 23 17	5 ^h 1'28"	14 ^h 55'	0 ^h 11'37"	27 ^h 44'	27 ^h 12'	7 ^h 20'	2 ^h 42'	29 ^h 57'	25 ^h 19'	2 ^h 54'	26 ^h 36"	28 ^h 13"	17 ^h 21"	14 ^h 36"
W29	20 27 14	5 ^h 58'49"	26 ^h 56'	1 ^h 55'	28 ^h 57'	27 ^h 52'	7 ^h 32'	2 ^h 49'	29 ^h 59'	25 ^h 20'	2 ^h 54'	26 ^h 30"	28 ^h 10"	17 ^h 28"	14 ^h 40"
T 30	20 31 11	6 ^h 56'11"	9 ^h 11' 3'	3 ^h 11'	0 ^h 11'10"	28 ^h 33'	7 ^h 44'	2 ^h 56'	0 ^h 2 2'	25 ^h 21'	2 ^h 55'	26 ^h 27"	28 ^h 7"	17 ^h 35"	14 ^h 43"
F 31	20 35 7	7 ^h 53'34"	21 ^h 11'19"	4 ^h 25'	1 ^h 11'23"	29 ^h 11'13"	7 ^h 56'	3 ^h 26'	0 ^h 2 5'	25 ^h 22'	2 ^h 56'	26 ^h D25"	28 ^h 4"	17 ^h 42"	14 ^h 47"

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AUGUST 1885

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	20 39 4	8 ^h 15'50"	3 ^h 46'	5 ^h 11'37"	2 ^h 11'36"	29 ^h 11'53"	8 ^h 11' 8"	3 ^h 26' 9"	0 ^h 2 8"	25 ^h 28'23"	2 ^h 11'56"	26 ^h 11'25"	28 ^h 11' 1"	17 ^h 28'48"	14 ^h 11'50"
S 2	20 43 0	9 ^h 48'24"	16 ^h 28'	6 ^h 46'	3 ^h 49'	0 ^h 23'33"	8 ^h 20'	3 ^h 16'	0 ^h 10'	25 ^h 24'	2 ^h 57'	26 ^h 26"	27 ^h 58"	17 ^h 55"	14 ^h 54"
M 3	20 46 57	10 ^h 45'51"	29 ^h 27'	7 ^h 53'	5 ^h 2'	1 ^h 13'	8 ^h 33'	3 ^h 23'	0 ^h 13'	25 ^h 25'	2 ^h 58'	26 ^h 27"	27 ^h 54"	18 ^h 2"	14 ^h 57"
T 4	20 50 53	11 ^h 43'19"	12 ^h 3'48"	8 ^h 58'	6 ^h 15'	1 ^h 53'	8 ^h 45'	3 ^h 30'	0 ^h 16'	25 ^h 26'	2 ^h 58'	26 ^h R28"	27 ^h 51"	18 ^h 8"	15 ^h 1"
W 5	20 54 50	12 ^h 40'48"	26 ^h 33'	10 ^h 0'	7 ^h 29'	2 ^h 33'	8 ^h 57'	3 ^h 36'	0 ^h 19'	25 ^h 26'	2 ^h 59'	26 ^h 27"	27 ^h 48"	18 ^h 15"	15 ^h 4"
T 6	20 58 46	13 ^h 38'18"	10 ^h 11'42"	10 ^h 59'	8 ^h 42'	3 ^h 13'	9 ^h 9'	3 ^h 43'	0 ^h 22'	25 ^h 27'	2 ^h 59'	26 ^h 24"	27 ^h 45"	18 ^h 22"	15 ^h 7"
F 7	21 2 43	14 ^h 35'50"	25 ^h 15'	11 ^h 55'	9 ^h 55'	3 ^h 52'	9 ^h 22'	3 ^h 50'	0 ^h 25'	25 ^h 28'	3 ^h 0'	26 ^h 20"	27 ^h 42"	18 ^h 29"	15 ^h 10"
S 8	21 6 40	15 ^h 33'24"	10 ^h 25' 7"	12 ^h 49'	11 ^h 8'	4 ^h 32'	9 ^h 34'	3 ^h 56'	0 ^h 27'	25 ^h 29'	3 ^h 1'	26 ^h 15"	27 ^h 38"	18 ^h 35"	15 ^h 14"
S 9	21 10 36	16 ^h 30'58"	25 ^h 11'	13 ^h 39'	12 ^h 21'	5 ^h 12'	9 ^h 46'	4 ^h 3'	0 ^h 30'	25 ^h 29'	3 ^h 1'	26 ^h 9"	27 ^h 35"	18 ^h 42"	15 ^h 17"
M10	21 14 33	17 ^h 28'34"	10 ^h 18'	14 ^h 27'	13 ^h 34'	5 ^h 51'	9 ^h 59'	4 ^h 9'	0 ^h 33'	25 ^h 30'	3 ^h 2'	26 ^h 3"	27 ^h 32"	18 ^h 49"	15 ^h 20"
T 11	21 18 29	18 ^h 26'11"	25 ^h 18'	15 ^h 10'	14 ^h 47'	6 ^h 31'	10 ^h 11'	4 ^h 15'	0 ^h 36'	25 ^h 30'	3 ^h 2'	25 ^h 59"	27 ^h 29"	18 ^h 55"	15 ^h 23"
W12	21 22 26	19 ^h 23'50"	10 ^h 11' 3'	15 ^h 51'	16 ^h 0'	7 ^h 10'	10 ^h 24'	4 ^h 22'	0 ^h 39'	25 ^h 31'	3 ^h 2'	25 ^h 56"	27 ^h 26"	19 ^h 2"	15 ^h 26"
T 13	21 26 22	20 ^h 21'29"	24 ^h 25'	16 ^h 27'	17 ^h 13'	7 ^h 50'	10 ^h 36'	4 ^h 28'	0 ^h 43'	25 ^h 32'	3 ^h 3'	25 ^h D55"	27 ^h 23"	19 ^h 9"	15 ^h 28"
F 14	21 30 19	21 ^h 19'09"	8 ^h 22'	16 ^h 59'	18 ^h 25'	8 ^h 29'	10 ^h 49'	4 ^h 34'	0 ^h 46'	25 ^h 32'	3 ^h 3'	25 ^h 56"	27 ^h 19"	19 ^h 16"	15 ^h 31"
S 15	21 34 15	22 ^h 16'50"	21 ^h 51'	17 ^h 27'	19 ^h 38'	9 ^h 8'	11 ^h 1'	4 ^h 40'	0 ^h 49'	25 ^h 33'	3 ^h 4'	25 ^h 57"	27 ^h 16"	19 ^h 22"	15 ^h 34"
S 16	21 38 12	23 ^h 14'33"	4 ^h 11'55"	17 ^h 51'	20 ^h 51'	9 ^h 47'	11 ^h 14'	4 ^h 46'	0 ^h 52'	25 ^h 33'	3 ^h 4'	25 ^h 59"	27 ^h 13"	19 ^h 29"	1

SWISS EPHEMERIS for the year 1885

SEPTEMBER 1885

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	22 41 17	8 ^h 40'47"	23 ^h 5'	12 ^h R 7	10 ^h 14	20 ^h 5	14 ^h 39	6 ^h 15	1 ^h 46	25 ^h R36	3 ^h II 7	25 ^h 37	26 ^h 22	21 ^h 16	16 ^h II1
W 2	22 45 13	9 ^h 38'55"	6 ^h II49	11 ^h 9	11 ^h 26	20 ^h 43	14 ^h 52	6 ^h 19	1 ^h 50	25 ^h R36	3 ^h R 7	25 ^h R38	26 ^h 19	21 ^h 23	16 ^h 13
T 3	22 49 10	10 ^h 37'04"	20 ^h 51	10 ^h 11	12 ^h 39	21 ^h 21	15 ^h 5	6 ^h 24	1 ^h 53	25 ^h 35	3 ^h 7	25 ^h 38	26 ^h 16	21 ^h 30	16 ^h 14
F 4	22 53 6	11 ^h 35'16"	5 ^h 29	9 ^h 15	13 ^h 51	21 ^h 58	15 ^h 18	6 ^h 29	1 ^h 57	25 ^h 35	3 ^h 7	25 ^h 37	26 ^h 13	21 ^h 36	16 ^h 16
S 5	22 57 3	12 ^h 33'29"	19 ^h 40	8 ^h 21	15 ^h 3	22 ^h 36	15 ^h 31	6 ^h 34	2 ^h 0	25 ^h 35	3 ^h 7	25 ^h 35	26 ^h 9	21 ^h 43	16 ^h 17
S 6	23 1 0	13 ^h 31'45"	4 ^h 21	7 ^h 30	16 ^h 16	23 ^h 14	15 ^h 44	6 ^h 38	2 ^h 4	25 ^h 35	3 ^h 7	25 ^h 34	26 ^h 6	21 ^h 50	16 ^h 18
M 7	23 4 56	14 ^h 30'03"	19 ^h 6	6 ^h 45	17 ^h 28	23 ^h 52	15 ^h 57	6 ^h 43	2 ^h 8	25 ^h 34	3 ^h 7	25 ^h 33	26 ^h 3	21 ^h 57	16 ^h 20
T 8	23 8 53	15 ^h 28'22"	3 ^h 37	6 ^h 6	18 ^h 40	24 ^h 29	16 ^h 10	6 ^h 47	2 ^h 11	25 ^h 34	3 ^h 7	25 ^h 32	26 ^h 0	22 ^h 3	16 ^h 21
W 9	23 12 49	16 ^h 26'43"	18 ^h 17	5 ^h 35	19 ^h 52	25 ^h 7	16 ^h 23	6 ^h 51	2 ^h 15	25 ^h 34	3 ^h 7	25 ^h 31	25 ^h 57	22 ^h 10	16 ^h 22
T 10	23 16 46	17 ^h 25'06"	2 ^h 31	5 ^h 11	21 ^h 5	25 ^h 44	16 ^h 36	6 ^h 56	2 ^h 19	25 ^h 33	3 ^h 6	25 ^h D31	25 ^h 54	22 ^h 17	16 ^h 23
F 11	23 20 42	18 ^h 23'31"	16 ^h 24	4 ^h 55	22 ^h 17	26 ^h 21	16 ^h 49	7 ^h 0	2 ^h 22	25 ^h 33	3 ^h 6	25 ^h 31	25 ^h 50	22 ^h 23	16 ^h 24
S 12	23 24 39	19 ^h 21'58"	29 ^h 54	4 ^h D49	23 ^h 29	26 ^h 59	17 ^h 2	7 ^h 4	2 ^h 26	25 ^h 33	3 ^h 6	25 ^h 32	25 ^h 47	22 ^h 30	16 ^h 25
S 13	23 28 35	20 ^h 20'26"	13 ^h 31	4 ^h 52	24 ^h 41	27 ^h 36	17 ^h 15	7 ^h 8	2 ^h 30	25 ^h 32	3 ^h 6	25 ^h 33	25 ^h 44	22 ^h 37	16 ^h 26
M14	23 32 32	21 ^h 18'56"	25 ^h 46	5 ^h 4	25 ^h 53	28 ^h 13	17 ^h 28	7 ^h 12	2 ^h 34	25 ^h 32	3 ^h 6	25 ^h 33	25 ^h 41	22 ^h 44	16 ^h 26
T 15	23 36 29	22 ^h 17'27"	8 ^h 12	5 ^h 26	27 ^h 5	28 ^h 50	17 ^h 41	7 ^h 15	2 ^h 37	25 ^h 31	3 ^h 5	25 ^h 33	25 ^h 38	22 ^h 50	16 ^h 27
W16	23 40 25	23 ^h 16'01"	20 ^h 23	5 ^h 57	28 ^h 17	29 ^h 27	17 ^h 54	7 ^h 19	2 ^h 41	25 ^h 30	3 ^h 5	25 ^h R33	25 ^h 35	22 ^h 57	16 ^h 28
T 17	23 44 22	24 ^h 14'36"	2 ^h 23	6 ^h 37	29 ^h 29	0 ^h 4	18 ^h 7	7 ^h 23	2 ^h 45	25 ^h 30	3 ^h 5	25 ^h 33	25 ^h 31	23 ^h 4	16 ^h 28
F 18	23 48 18	25 ^h 13'12"	14 ^h 17	7 ^h 25	0 ^h 41	0 ^h 40	18 ^h 20	7 ^h 26	2 ^h 49	25 ^h 29	3 ^h 4	25 ^h D33	25 ^h 28	23 ^h 10	16 ^h 29
S 19	23 52 15	26 ^h 11'51"	26 ^h 9	8 ^h 21	1 ^h 53	1 ^h 17	18 ^h 33	7 ^h 30	2 ^h 52	25 ^h 29	3 ^h 4	25 ^h 33	25 ^h 25	23 ^h 17	16 ^h 29
S 20	23 56 11	27 ^h 10'31"	8 ^h 34	9 ^h 24	3 ^h 5	1 ^h 54	18 ^h 46	7 ^h 33	2 ^h 56	25 ^h 28	3 ^h 4	25 ^h 34	25 ^h 22	23 ^h 24	16 ^h 29
M21	0 0 8	28 ^h 9'12"	20 ^h 4	10 ^h 35	4 ^h 17	2 ^h 30	18 ^h 59	7 ^h 36	3 ^h 0	25 ^h 27	3 ^h 3	25 ^h 34	25 ^h 19	23 ^h 31	16 ^h 30
T 22	0 4 4	29 ^h 7'56"	2 ^h 15	11 ^h 51	5 ^h 28	3 ^h 6	19 ^h 11	7 ^h 39	3 ^h 4	25 ^h 26	3 ^h 3	25 ^h 34	25 ^h 15	23 ^h 37	16 ^h 30
W23	0 8 1	0 ^h 6'41"	14 ^h 37	13 ^h 13	6 ^h 40	3 ^h 43	19 ^h 24	7 ^h 42	3 ^h 8	25 ^h 26	3 ^h 3	25 ^h 34	25 ^h 12	23 ^h 44	16 ^h R30
T 24	0 11 57	1 ^h 5'28"	27 ^h 13	14 ^h 39	7 ^h 52	4 ^h 19	19 ^h 37	7 ^h 45	3 ^h 11	25 ^h 25	3 ^h 2	25 ^h R34	25 ^h 9	23 ^h 51	16 ^h 30
F 25	0 15 54	2 ^h 4'18"	10 ^h 3	16 ^h 10	9 ^h 4	4 ^h 55	19 ^h 50	7 ^h 48	3 ^h 15	25 ^h 24	3 ^h 2	25 ^h 34	25 ^h 6	23 ^h 57	16 ^h 30
S 26	0 19 51	3 ^h 3'09"	23 ^h 7	17 ^h 45	10 ^h 15	5 ^h 31	20 ^h 3	7 ^h 51	3 ^h 19	25 ^h 23	3 ^h 1	25 ^h 34	25 ^h 3	24 ^h 4	16 ^h 30
S 27	0 23 47	4 ^h 2'02"	6 ^h 26	19 ^h 22	11 ^h 27	6 ^h 7	20 ^h 16	7 ^h 53	3 ^h 23	25 ^h 22	3 ^h 1	25 ^h 33	25 ^h 0	24 ^h 11	16 ^h 29
M28	0 27 44	5 ^h 0'58"	19 ^h 58	21 ^h 2	12 ^h 38	6 ^h 43	20 ^h 28	7 ^h 56	3 ^h 26	25 ^h 21	3 ^h 0	25 ^h 32	24 ^h 56	24 ^h 17	16 ^h 29
T 29	0 31 40	5 ^h 59'56"	3 ^h II42	22 ^h 44	13 ^h 50	7 ^h 19	20 ^h 41	7 ^h 58	3 ^h 30	25 ^h 20	3 ^h 0	25 ^h 30	24 ^h 53	24 ^h 24	16 ^h 29
W30	0 35 37	6 ^h 58'56"	17 ^h II37	24 ^h 28	15 ^h 31	7 ^h 55	20 ^h 54	8 ^h 1	3 ^h 34	25 ^h R19	2 ^h II59	25 ^h 29	24 ^h 50	24 ^h 31	16 ^h II28

Delta T = -5.79 sec.

OCTOBER 1885

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 39 33	7 ^h 57'59"	1 ^h 40	26 ^h 12	16 ^h 12	8 ^h 30	21 ^h 7	8 ^h 3	3 ^h 38	25 ^h R18	2 ^h R58	25 ^h D29	24 ^h 47	24 ^h 38	16 ^h R28
F 2	0 43 30	8 ^h 57'04"	15 ^h 50	27 ^h 58	17 ^h 24	9 ^h 6	21 ^h 19	8 ^h 5	3 ^h 42	25 ^h R17	2 ^h II58	25 ^h 29	24 ^h 44	24 ^h 44	16 ^h II27
S 3	0 47 26	9 ^h 56'11"	0 ^h 4	29 ^h 44	18 ^h 35	9 ^h 41	21 ^h 32	8 ^h 7	3 ^h 45	25 ^h 16	2 ^h 57	25 ^h 30	24 ^h 40	24 ^h 51	16 ^h 26
S 4	0 51 23	10 ^h 55'20"	14 ^h 23	1 ^h 31	19 ^h 46	10 ^h 17	21 ^h 45	8 ^h 9	3 ^h 49	25 ^h 15	2 ^h 57	25 ^h 31	24 ^h 37	24 ^h 58	16 ^h 26
M 5	0 55 20	11 ^h 54'32"	28 ^h 40	3 ^h 18	20 ^h 57	10 ^h 52	21 ^h 57	8 ^h 10	3 ^h 53	25 ^h 14	2 ^h 56	25 ^h 32	24 ^h 34	25 ^h 4	16 ^h 25
T 6	0 59 16	12 ^h 53'46"	12 ^h 37	5 ^h 4	22 ^h 9	11 ^h 27	22 ^h 10	8 ^h 12	3 ^h 57	25 ^h 13	2 ^h 55	25 ^h 33	24 ^h 31	25 ^h 11	16 ^h 24
W 7	1 3 13	13 ^h 53'03"	26 ^h 59	6 ^h 51	23 ^h 20	12 ^h 2	22 ^h 22	8 ^h 14	4 ^h 0	25 ^h 12	2 ^h 55	25 ^h R33	24 ^h 28	25 ^h 18	16 ^h 23
T 8	1 7 9	14 ^h 52'21"	10 ^h 52	8 ^h 37	24 ^h 31	12 ^h 37	22 ^h 35	8 ^h 15	4 ^h 4	25 ^h 11	2 ^h 54	25 ^h 32	24 ^h 25	25 ^h 24	16 ^h 22
F 9	1 11 6	15 ^h 51'41"	24 ^h 31	10 ^h 23	25 ^h 42	13 ^h 12	22 ^h 47	8 ^h 16	4 ^h 8	25 ^h 9	2 ^h 53	25 ^h 31	24 ^h 21	25 ^h 31	16 ^h 21
S 10	1 15 2	16 ^h 51'04"	7 ^h 33	12 ^h 9	26 ^h 53	13 ^h 47	23 ^h 0	8 ^h 18	4 ^h 12	25 ^h 8	2 ^h 53	25 ^h 28	24 ^h 18	25 ^h 38	16 ^h 20
S 11	1 18 59	17 ^h 50'28"	20 ^h 55	13 ^h 54	28 ^h 4	14 ^h 21	23 ^h 12	8 ^h 19	4 ^h 15	25 ^h 7	2 ^h 52	25 ^h 25	24 ^h 15	25 ^h 45	16 ^h 18
M12	1 22 55	18 ^h 49'55"	3 ^h 37	15 ^h 38	29 ^h 14	14 ^h 56	23 ^h 24	8 ^h 20	4 ^h 19	25 ^h 6	2 ^h 51	25 ^h 21	24 ^h 12	25 ^h 51	16 ^h 17
T 13	1 26 52	19 ^h 49'23"	16 ^h 6	17 ^h 22	0 ^h 25	15 ^h 30	23 ^h 37	8 ^h 21	4 ^h 23	25 ^h 4	2 ^h 50	25 ^h 18	24 ^h 9	25 ^h 58	16 ^h 16
W14	1 30 49	20 ^h 48'53"	28 ^h 17	19 ^h 5	1 ^h 36	16 ^h 5	23 ^h 49	8 ^h 22	4 ^h 26	25 ^h 3	2 ^h 49	25 ^h 15	24 ^h 6	26 ^h 5	16 ^h 14
T 15	1 34 45	21 ^h 48'25"	10 ^h 31	20 ^h 48	2 ^h 47	16 ^h 39	24 ^h 1	8 ^h 22	4 ^h 30	25 ^h 2	2 ^h 49	25 ^h 13	24 ^h 2	26 ^h 11	16 ^h 13
F 16	1 38 42	22 ^h 47'58"	22 ^h 11	22 ^h 30	3 ^h 57	17 ^h 13	24 ^h 13	8 ^h 23	4 ^h 34	25 ^h 0	2 ^h 48	25 ^h D12	23 ^h 59	26 ^h 18	16 ^h 11
S 17	1 42 38	23 ^h 47'34"	4 ^h 3	24 ^h 11	5 ^h 8	17 ^h 47	24 ^h 26	8 ^h 23	4 ^h 37	24 ^h 59	2 ^h 47	25 ^h 13	23 ^h 56	26 ^h 25	16 ^h 9
S 18	1 46 35	24 ^h 47'11"	15 ^h 57	25 ^h 52	6 ^h 18	18 ^h 21	24 ^h 38	8 ^h 24	4 ^{h</}						

SWISS EPHEMERIS for the year 1885

NOVEMBER 1885

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
S 1	2 41 46	8♈45'10	25♏ 6	18♌21	22♋36	26♌ 2	27♎21	8°R17	5♊30	24°R36	2°R33	24♎44	23♎ 8	28♌ 5	15°R37	
M 2	2 45 43	9°45'17	9♎ 1	19°54	23°45	26°34	27°32	8♌15	5°33	24♋35	2♈32	24°45	23° 5	28°12	15♈34	
T 3	2 49 40	10°45'26	22°48	21°26	24°54	27° 6	27°43	8°14	5°36	24°33	2°31	24°R46	23° 2	28°19	15°31	
W 4	2 53 36	11°45'37	6♊26	22°58	26° 3	27°37	27°54	8°12	5°40	24°31	2°30	24°45	22°59	28°25	15°29	
T 5	2 57 33	12°45'50	19°54	24°29	27°11	28° 9	28° 5	8°11	5°43	24°30	2°29	24°43	22°56	28°32	15°26	
F 6	3 1 29	13°46'05	3♈11	26° 1	28°20	28°40	28°16	8° 9	5°46	24°28	2°28	24°37	22°52	28°39	15°23	
S 7	3 5 26	14°46'22	16°15	27°31	29°29	29°11	28°26	8° 7	5°49	24°26	2°27	24°30	22°49	28°45	15°20	
S 8	3 9 22	15°46'41	29° 5	29° 2	0♉37	29°42	28°37	8° 5	5°52	24°25	2°26	24°21	22°46	28°52	15°17	
M 9	3 13 19	16°47'01	11♋41	0♋32	1°46	0♎13	28°48	8° 3	5°56	24°23	2°25	24°11	22°43	28°59	15°14	
T 10	3 17 15	17°47'23	24° 3	2° 1	2°54	0°44	28°58	8° 1	5°59	24°21	2°23	24° 1	22°40	29° 6	15°11	
W 11	3 21 12	18°47'46	6♌12	3°30	4° 2	1°15	29° 9	7°59	6° 2	24°20	2°22	23°52	22°37	29°12	15° 8	
T 12	3 25 9	19°48'11	18°11	4°59	5°10	1°45	29°19	7°56	6° 5	24°18	2°21	23°45	22°33	29°19	15° 5	
F 13	3 29 5	20°48'38	0♌ 3	6°28	6°17	2°15	29°29	7°54	6° 8	24°16	2°20	23°40	22°30	29°26	15° 2	
S 14	3 33 2	21°49'05	11°52	7°55	7°25	2°45	29°39	7°51	6°11	24°14	2°19	23°37	22°27	29°32	14°59	
S 15	3 36 58	22°49'34	23°44	9°23	8°32	3°15	29°50	7°48	6°13	24°13	2°18	23°D37	22°24	29°39	14°55	
M 16	3 40 55	23°50'05	5♈44	10°49	9°40	3°44	29°59	7°46	6°16	24°11	2°17	23°37	22°21	29°46	14°52	
T 17	3 44 51	24°50'36	17°57	12°16	10°47	4°14	0♊ 9	7°43	6°19	24° 9	2°16	23°R38	22°17	29°52	14°49	
W 18	3 48 48	25°51'09	0♎28	13°41	11°54	4°43	0°19	7°40	6°22	24° 8	2°15	23°38	22°14	29°59	14°45	
T 19	3 52 44	26°51'43	13°21	15° 6	13° 0	5°12	0°29	7°37	6°25	24° 6	2°13	23°36	22°11	0♌ 6	14°42	
F 20	3 56 41	27°52'18	26°39	16°30	14° 7	5°41	0°38	7°34	6°27	24° 4	2°12	23°32	22° 8	0°12	14°39	
S 21	4 0 38	28°52'55	10♉23	17°53	15°13	6°10	0°48	7°30	6°30	24° 3	2°11	23°25	22° 5	0°19	14°35	
S 22	4 4 34	29°53'33	24°31	19°15	16°19	6°38	0°57	7°27	6°33	24° 1	2°10	23°16	22° 2	0°26	14°32	
M 23	4 8 31	0♋54'13	8♈58	20°36	17°25	7° 6	1° 7	7°24	6°35	23°59	2° 9	23° 5	21°58	0°33	14°28	
T 24	4 12 27	1°54'53	23°38	21°55	18°31	7°35	1°16	7°20	6°38	23°58	2° 8	22°54	21°55	0°39	14°25	
W 25	4 16 24	2°55'36	8♌23	23°13	19°36	8° 2	1°25	7°17	6°40	23°56	2° 7	22°44	21°52	0°46	14°21	
T 26	4 20 20	3°56'20	23° 4	24°30	20°42	8°30	1°34	7°13	6°43	23°54	2° 5	22°36	21°49	0°53	14°18	
F 27	4 24 17	4°57'05	7♊36	25°44	21°47	8°57	1°43	7° 9	6°45	23°53	2° 4	22°31	21°46	0°59	14°14	
S 28	4 28 13	5°57'52	21°54	26°56	22°51	9°25	1°51	7° 5	6°48	23°51	2° 3	22°28	21°43	1° 6	14°10	
S 29	4 32 10	6°58'40	5♎56	28° 5	23°56	9°51	2° 0	7° 2	6°50	23°49	2° 2	22°D27	21°39	1°13	14° 7	
M 30	4 36 7	7°59'30	19♎42	29♋12	25♌ 0	10♎18	2♊ 8	6♌58	6♊52	23♋48	2♈ 1	22°R28	21♎36	1♌19	14♈ 3	

Delta T = -5.75 sec.

DECEMBER 1885

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
T 1	4 40 3	9♋ 0'21	3♊13	0♉14	26♌ 4	10♎45	2♊17	6°R54	6♊55	23°R46	2°R 0	22°R27	21♎33	1♌26	14°R 0	
W 2	4 44 0	10° 1'14	16°30	1°13	27° 7	11°11	2°25	6♌49	6°57	23♋44	1♈59	22♎25	21°30	1°33	13♈56	
T 3	4 47 56	11° 2'08	29°35	2° 8	28°11	11°37	2°33	6°45	6°59	23°43	1°58	22°20	21°27	1°39	13°52	
F 4	4 51 53	12° 3'03	12♈30	2°57	29°14	12° 2	2°41	6°41	7° 1	23°41	1°56	22°13	21°23	1°46	13°49	
S 5	4 55 49	13° 3'59	25°13	3°40	0♌17	12°28	2°49	6°37	7° 3	23°40	1°55	22° 2	21°20	1°53	13°45	
S 6	4 59 46	14° 4'57	7♋46	4°17	1°19	12°53	2°56	6°32	7° 5	23°38	1°54	21°48	21°17	2° 0	13°41	
M 7	5 3 42	15° 5'55	20° 9	4°47	2°21	13°18	3° 4	6°28	7° 7	23°36	1°53	21°34	21°14	2° 6	13°38	
T 8	5 7 39	16° 6'55	2♌22	5° 7	3°23	13°42	3°11	6°24	7° 9	23°35	1°52	21°19	21°11	2°13	13°34	
W 9	5 11 36	17° 7'55	14°25	5°19	4°24	14° 7	3°19	6°19	7°11	23°33	1°51	21° 6	21° 8	2°20	13°30	
T 10	5 15 32	18° 8'56	26°20	5°R21	5°25	14°31	3°26	6°15	7°13	23°32	1°50	20°55	21° 4	2°26	13°27	
F 11	5 19 29	19° 9'58	8♌10	5°12	6°25	14°54	3°33	6°10	7°15	23°30	1°49	20°46	21° 1	2°33	13°23	
S 12	5 23 25	20°11'00	19°58	4°52	7°26	15°18	3°40	6° 5	7°16	23°29	1°48	20°41	20°58	2°40	13°20	
S 13	5 27 22	21°12'03	1♈47	4°20	8°25	15°41	3°47	6° 1	7°18	23°27	1°47	20°38	20°55	2°46	13°16	
M 14	5 31 18	22°13'06	13°44	3°37	9°25	16° 3	3°53	5°56	7°20	23°26	1°46	20°37	20°52	2°53	13°12	
T 15	5 35 15	23°14'10	25°52	2°43	10°23	16°26	4° 0	5°51	7°21	23°25	1°45	20°37	20°49	3° 0	13° 9	
W 16	5 39 11	24°15'14	8♎19	1°38	11°22	16°48	4° 6	5°46	7°23	23°23	1°44	20°37	20°45	3° 6	13° 5	
T 17	5 43 8	25°16'18	21° 8	0°26	12°19	17° 9	4°12	5°42	7°24	23°22	1°42	20°35	20°42	3°13	13° 2	
F 18	5 47 5	26°17'23	4♌25	29♋ 8	13°17	17°31	4°18	5°37	7°26	23°20	1°41	20°30	20°39	3°20	12°58	
S 19	5 51 1	27°18'28	18°12	27°46	14°13	17°52	4°24	5°32	7°27	23°19	1°40	20°23	20°36	3°27	12°55	
S 20	5 54 58	28°19'33	2♈27	26°23	15° 9	18°12	4°29	5°27	7°28	23°18	1°39	20°13	20°33	3°33	12°51	
M 21	5 58 54	29°20'39	17° 9	25° 2	16° 5	18°33	4°35	5°22	7°30	23°16	1°38	20° 2	20°29	3°40	12°48	
T 22	6 2 51	0♉21'45	2♌ 8	23°46	17° 0	18°53	4°40	5°17	7°31	23°15	1°37	19°50	20°26	3°47	12°44	
W 23	6 6 47	1°22'51	17°16	22°37	17°54	19°12	4°46	5°12	7°32	23°14	1°36	19°39	20°23	3°53	12°41	
T 24	6 10 44	2°23'58	2♊23	21°36	18°48	19°31	4°51	5° 7	7°33	23°13	1°36	19°30	20°20	4° 0	12°37	
F 25	6 14 41	3°25'06	17°18	20°45	19°41	19°50	4°55	5° 2	7°34	23°11	1°35	19°24	20°17	4° 7	12°34	
S 26	6 18 37	4°26'13	1♎55	20° 4	20°33	20° 8	5° 0	4°57	7°35	23°10	1°34	19°21	20°14	4°13	12°31	
S 27	6 22 34	5°27'22	16° 9	19°34	21°24	20°26	5° 5	4°52	7°36	23° 9	1°33	19°D20	20°10	4°20	12°27	
M 28	6 26 30	6°28'30	0♊ 1	19°14	22°15	20°44	5° 9	4°47	7°37	23° 8	1°32	19°R20	20° 7	4°27	12°24	
T 29	6 30 27	7°29'40	13°30	19°D 4	23° 5	21° 1	5°13	4°42	7°38	23° 7	1°31	19°20	20° 4	4°33	12°21	
W 30	6 34 23	8°30'49	26°39	19° 4	23°54	21°17	5°17	4°38	7°38	23° 6	1°30	19°19	20° 1	4°40	12°18	
T 31	6 38 20	9♌31'59	9♈32	19♋13	24♌42	21♎33	5♊21	4♌33	7♊39	23♋ 5	1♈29	19♎15	19♎58	4♌47	12♈15	

Delta T = -5.74 sec.

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