

SWISS EPHEMERIS for the year 1825
heliocentric

JANUARY 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
S 1	6 41 24	10 ^h 21'52"	10 ^h 15'	20 ^h 24'	14 ^h 41'	9 ^h 16'	6 ^h 23'	5 ^h 40'	15 ^h 50'	9 ^h 20'	2 ^h 25'	16 ^h 13'
S 2	6 45 21	11°23'01"	11°17'	25°55'	16°17'	9°54'	6°28'	5°42'	15°50'	9°21'	2°25'	16°13'
M 3	6 49 17	12°24'10"	12°20'	18°35'	17°53'	10°32'	6°33'	5°44'	15°51'	9°21'	2°26'	16°14'
T 4	6 53 14	13°25'18"	13°23'	7°23'	19°29'	11°10'	6°38'	5°46'	15°52'	9°21'	2°26'	16°14'
W 5	6 57 10	14°26'27"	14°26'	13°19'	21° 4'	11°48'	6°43'	5°49'	15°52'	9°22'	2°26'	16°15'
T 6	7 1 7	15°27'35"	15°30'	19°21'	22°40'	12°26'	6°47'	5°51'	15°53'	9°22'	2°26'	16°16'
F 7	7 5 4	16°28'43"	16°33'	25°30'	24°16'	13° 4'	6°52'	5°53'	15°54'	9°23'	2°26'	16°16'
S 8	7 9 0	17°29'51"	17°35'	11 ^h 43'	25°52'	13°42'	6°57'	5°55'	15°54'	9°23'	2°27'	16°17'
S 9	7 12 57	18°30'59"	18°38'	7°59'	27°28'	14°20'	7° 2'	5°57'	15°55'	9°23'	2°27'	16°18'
M10	7 16 53	19°32'07"	19°40'	14°18'	29° 4'	14°58'	7° 7'	6° 0'	15°56'	9°24'	2°27'	16°18'
T 11	7 20 50	20°33'14"	20°42'	20°37'	0 ^h 39'	15°36'	7°11'	6° 2'	15°56'	9°24'	2°27'	16°19'
W12	7 24 46	21°34'22"	21°43'	26°55'	2°15'	16°14'	7°16'	6° 4'	15°57'	9°24'	2°27'	16°19'
T 13	7 28 43	22°35'29"	22°44'	3 ^h 11'	3°51'	16°52'	7°21'	6° 6'	15°58'	9°25'	2°27'	16°20'
F 14	7 32 39	23°36'37"	23°44'	9°23'	5°27'	17°30'	7°26'	6° 9'	15°58'	9°25'	2°28'	16°21'
S 15	7 36 36	24°37'44"	24°44'	15°30'	7° 3'	18° 8'	7°31'	6°11'	15°59'	9°25'	2°28'	16°21'
S 16	7 40 33	25°38'51"	25°44'	21°31'	8°40'	18°46'	7°35'	6°13'	16° 0'	9°26'	2°28'	16°22'
M17	7 44 29	26°39'58"	26°44'	27°24'	10°16'	19°24'	7°40'	6°15'	16° 1'	9°26'	2°28'	16°22'
T 18	7 48 26	27°41'04"	27°43'	3 ^h 8'	11°52'	20° 1'	7°45'	6°18'	16° 1'	9°27'	2°28'	16°23'
W19	7 52 22	28°42'09"	28°42'	8°44'	13°28'	20°39'	7°50'	6°20'	16° 2'	9°27'	2°29'	16°24'
T 20	7 56 19	29°43'14"	29°42'	14°11'	15° 4'	21°17'	7°55'	6°22'	16° 3'	9°27'	2°29'	16°24'
F 21	8 0 15	0 ^h 44'17"	0 ^h 41'	19°28'	16°40'	21°55'	7°59'	6°24'	16° 3'	9°28'	2°29'	16°25'
S 22	8 4 12	1°45'20"	1°40'	24°36'	18°17'	22°32'	8° 4'	6°26'	16° 4'	9°28'	2°29'	16°25'
S 23	8 8 8	2°46'22"	2°40'	29°34'	19°53'	23°10'	8° 9'	6°29'	16° 5'	9°28'	2°29'	16°26'
M24	8 12 5	3°47'23"	3°40'	4 ^h 22'	21°29'	23°48'	8°14'	6°31'	16° 5'	9°29'	2°29'	16°27'
T 25	8 16 2	4°48'23"	4°40'	9° 1'	23° 5'	24°25'	8°18'	6°33'	16° 6'	9°29'	2°30'	16°27'
W26	8 19 58	5°49'22"	5°40'	13°31'	24°42'	25° 3'	8°23'	6°35'	16° 7'	9°29'	2°30'	16°28'
T 27	8 23 55	6°50'19"	6°41'	17°53'	26°18'	25°41'	8°28'	6°38'	16° 7'	9°30'	2°30'	16°28'
F 28	8 27 51	7°51'16"	7°42'	22° 6'	27°54'	26°18'	8°33'	6°40'	16° 8'	9°30'	2°30'	16°29'
S 29	8 31 48	8°52'11"	8°44'	26°11'	29°31'	26°56'	8°38'	6°42'	16° 9'	9°30'	2°30'	16°30'
S 30	8 35 44	9°53'05"	9°45'	0 ^h 9'	1 ^h 7'	27°33'	8°42'	6°44'	16° 9'	9°31'	2°30'	16°30'
M31	8 39 41	10 ^h 53'57"	10 ^h 48'	4 ^h 1'	2 ^h 44'	28 ^h 11'	8 ^h 47'	6 ^h 46'	16 ^h 10'	9 ^h 31'	2 ^h 31'	16 ^h 31'

Delta T = 9.89 sec.

FEBRUARY 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	8 43 37	11 ^h 54'48"	11 ^h 50'	7 ^h 45'	4 ^h 20'	28 ^h 48'	8 ^h 52'	6 ^h 49'	16 ^h 11'	9 ^h 31'	2 ^h 31'	16 ^h 32'
W 2	8 47 34	12°55'38"	12°53'	11°24'	5°57'	29°26'	8°57'	6°51'	16°11'	9°32'	2°31'	16°32'
T 3	8 51 31	13°56'27"	13°55'	14°57'	7°34'	0 ^h 3'	9° 2'	6°53'	16°12'	9°32'	2°31'	16°33'
F 4	8 55 27	14°57'14"	14°58'	18°24'	9°10'	0°40'	9° 6'	6°55'	16°13'	9°33'	2°31'	16°33'
S 5	8 59 24	15°58'00"	16° 1'	21°47'	10°47'	1°18'	9°11'	6°58'	16°13'	9°33'	2°32'	16°34'
S 6	9 3 20	16°58'45"	17° 4'	25° 5'	12°23'	1°55'	9°16'	7° 0'	16°14'	9°33'	2°32'	16°35'
M 7	9 7 17	17°59'29"	18° 6'	28°19'	14° 0'	2°32'	9°21'	7° 2'	16°15'	9°34'	2°32'	16°35'
T 8	9 11 13	19° 0'11"	19° 8'	1 ^h 29'	15°37'	3° 9'	9°25'	7° 4'	16°15'	9°34'	2°32'	16°36'
W 9	9 15 10	20° 0'53"	20° 9'	4°36'	17°14'	3°47'	9°30'	7° 6'	16°16'	9°34'	2°32'	16°36'
T 10	9 19 6	21° 1'34"	21°10'	7°39'	18°50'	4°24'	9°35'	7° 9'	16°17'	9°35'	2°32'	16°37'
F 11	9 23 3	22° 2'13"	22°11'	10°39'	20°27'	5° 1'	9°40'	7°11'	16°17'	9°35'	2°33'	16°38'
S 12	9 27 0	23° 2'52"	23°11'	13°37'	22° 4'	5°38'	9°45'	7°13'	16°18'	9°35'	2°33'	16°38'
S 13	9 30 56	24° 3'29"	24°11'	16°33'	23°41'	6°15'	9°49'	7°15'	16°19'	9°36'	2°33'	16°39'
M14	9 34 53	25° 4'05"	25°10'	19°26'	25°18'	6°52'	9°54'	7°18'	16°19'	9°36'	2°33'	16°39'
T 15	9 38 49	26° 4'40"	26°10'	22°17'	26°55'	7°29'	9°59'	7°20'	16°20'	9°36'	2°33'	16°40'
W16	9 42 46	27° 5'13"	27° 9'	25° 7'	28°32'	8° 6'	10° 4'	7°22'	16°21'	9°37'	2°34'	16°41'
T 17	9 46 42	28° 5'45"	28° 7'	27°56'	0 ^h 9'	8°43'	10° 8'	7°24'	16°21'	9°37'	2°34'	16°41'
F 18	9 50 39	29° 6'15"	29° 6'	0 ^h 43'	1°46'	9°19'	10°13'	7°27'	16°22'	9°38'	2°34'	16°42'
S 19	9 54 35	0 ^h 6'44"	0 ^h 5'	3°29'	3°23'	9°56'	10°18'	7°29'	16°23'	9°38'	2°34'	16°42'
S 20	9 58 32	1° 7'11"	1° 4'	6°15'	5° 0'	10°33'	10°23'	7°31'	16°24'	9°38'	2°34'	16°43'
M21	10 2 29	2° 7'36"	2° 2'	9° 0'	6°37'	11°10'	10°28'	7°33'	16°24'	9°39'	2°34'	16°44'
T 22	10 6 25	3° 7'59"	3° 1'	11°45'	8°14'	11°46'	10°32'	7°35'	16°25'	9°39'	2°35'	16°44'
W23	10 10 22	4° 8'21"	4° 1'	14°29'	9°51'	12°23'	10°37'	7°38'	16°26'	9°39'	2°35'	16°45'
T 24	10 14 18	5° 8'40"	5° 0'	17°14'	11°29'	13° 0'	10°42'	7°40'	16°26'	9°40'	2°35'	16°46'
F 25	10 18 15	6° 8'58"	6° 0'	19°59'	13° 6'	13°36'	10°47'	7°42'	16°27'	9°40'	2°35'	16°46'
S 26	10 22 11	7° 9'13"	7° 0'	22°45'	14°43'	14°13'	10°51'	7°44'	16°28'	9°40'	2°35'	16°47'
S 27	10 26 8	8° 9'27"	8° 1'	25°31'	16°20'	14°49'	10°56'	7°47'	16°28'	9°41'	2°35'	16°47'
M28	10 30 4	9 ^h 9'39"	9 ^h 2'	28 ^h 18'	17 ^h 58'	15 ^h 25'	11 ^h 0'	7 ^h 49'	16 ^h 29'	9 ^h 41'	2 ^h 36'	16 ^h 48'

Delta T = 9.85 sec.

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SWISS EPHEMERIS for the year 1825
heliocentric

MARCH 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
T 1	10 34 1	10 ^m 9'48	10 ^m 3	1 ^z 6	19 ^z 35	16 ^v 2	11 ^l 6	7 ^u 51	16 ^z 30	9 ^z 41	2 ^v 36	16 ^v 49
W 2	10 37 58	11° 9'55	11° 4	3°56	21°12	16°38	11°10	7°53	16°30	9°42	2°36	16°49
T 3	10 41 54	12°10'00	12° 6	6°47	22°50	17°14	11°15	7°55	16°31	9°42	2°36	16°50
F 4	10 45 51	13°10'04	13° 8	9°40	24°27	17°51	11°20	7°58	16°32	9°43	2°36	16°50
S 5	10 49 47	14°10'05	14°10	12°35	26° 4	18°27	11°25	8° 0	16°32	9°43	2°37	16°51
S 6	10 53 44	15°10'04	15°12	15°32	27°42	19° 3	11°30	8° 2	16°33	9°43	2°37	16°52
M 7	10 57 40	16°10'01	16°14	18°32	29°19	19°39	11°34	8° 4	16°34	9°44	2°37	16°52
T 8	11 1 37	17° 9'57	17°16	21°34	0 ^l 57	20°15	11°39	8° 7	16°34	9°44	2°37	16°53
W 9	11 5 33	18° 9'51	18°17	24°40	2°34	20°51	11°44	8° 9	16°35	9°44	2°37	16°53
T 10	11 9 30	19° 9'43	19°18	27°48	4°12	21°27	11°49	8°11	16°36	9°45	2°37	16°54
F 11	11 13 27	20° 9'34	20°18	1 ^z 1	5°49	22° 3	11°53	8°13	16°36	9°45	2°38	16°55
S 12	11 17 23	21° 9'23	21°18	4°17	7°27	22°38	11°58	8°16	16°37	9°45	2°38	16°55
S 13	11 21 20	22° 9'11	22°18	7°37	9° 4	23°14	12° 3	8°18	16°38	9°46	2°38	16°56
M14	11 25 16	23° 8'56	23°17	11° 2	10°42	23°50	12° 8	8°20	16°38	9°46	2°38	16°56
T 15	11 29 13	24° 8'40	24°16	14°32	12°19	24°26	12°12	8°22	16°39	9°46	2°38	16°57
W16	11 33 9	25° 8'22	25°14	18° 7	13°57	25° 1	12°17	8°24	16°40	9°47	2°39	16°58
T 17	11 37 6	26° 8'03	26°13	21°47	15°34	25°37	12°22	8°27	16°40	9°47	2°39	16°58
F 18	11 41 2	27° 7'41	27°11	25°33	17°12	26°12	12°27	8°29	16°41	9°48	2°39	16°59
S 19	11 44 59	28° 7'17	28° 9	29°26	18°49	26°48	12°31	8°31	16°42	9°48	2°39	17° 0
S 20	11 48 56	29° 6'52	29° 6	3 ^z 25	20°27	27°23	12°36	8°33	16°42	9°48	2°39	17° 0
M21	11 52 52	0 ^z 6'24	0 ^z 4	7°31	22° 4	27°59	12°41	8°36	16°43	9°49	2°39	17° 1
T 22	11 56 49	1° 5'54	1° 2	11°44	23°42	28°34	12°46	8°38	16°44	9°49	2°40	17° 1
W23	12 0 45	2° 5'22	2° 0	16° 5	25°19	29° 9	12°50	8°40	16°44	9°49	2°40	17° 2
T 24	12 4 42	3° 4'48	2°58	20°35	26°57	29°44	12°55	8°42	16°45	9°50	2°40	17° 3
F 25	12 8 38	4° 4'12	3°56	25°12	28°34	0 ^z 19	13° 0	8°45	16°46	9°50	2°40	17° 3
S 26	12 12 35	5° 3'33	4°55	29°59	0 ^m 12	0°55	13° 5	8°47	16°46	9°50	2°40	17° 4
S 27	12 16 31	6° 2'52	5°54	4 ^v 54	1°49	1°30	13° 9	8°49	16°47	9°51	2°40	17° 4
M28	12 20 28	7° 2'09	6°53	9°58	3°27	2° 5	13°14	8°51	16°48	9°51	2°41	17° 5
T 29	12 24 25	8° 1'23	7°53	15°12	5° 4	2°39	13°19	8°53	16°48	9°51	2°41	17° 6
W30	12 28 21	9° 0'35	8°53	20°34	6°42	3°14	13°24	8°56	16°49	9°52	2°41	17° 6
T 31	12 32 18	9 ^z 59'45	9 ^z 54	26 ^v 6	8 ^m 19	3 ^z 49	13 ^z 28	8 ^u 58	16 ^z 50	9 ^z 52	2 ^v 41	17 ^v 7

Delta T = 9.80 sec.

APRIL 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
F 1	12 36 14	10 ^z 58'52	10 ^z 54	1 ^z 46	9 ^m 57	4 ^z 24	13 ^z 33	9 ^u 0	16 ^z 51	9 ^z 53	2 ^v 41	17 ^v 7
S 2	12 40 11	11°57'57	11°55	7°34	11°34	4°59	13°38	9° 2	16°51	9°53	2°42	17° 8
S 3	12 44 7	12°57'00	12°56	13°30	13°12	5°33	13°43	9° 5	16°52	9°53	2°42	17° 9
M 4	12 48 4	13°56'01	13°57	19°33	14°49	6° 8	13°47	9° 7	16°53	9°54	2°42	17° 9
T 5	12 52 0	14°55'00	14°58	25°41	16°26	6°42	13°52	9° 9	16°53	9°54	2°42	17°10
W 6	12 55 57	15°53'57	15°59	1 ^u 54	18° 4	7°17	13°57	9°11	16°54	9°54	2°42	17°10
T 7	12 59 53	16°52'52	17° 0	8°11	19°41	7°51	14° 2	9°13	16°55	9°55	2°42	17°11
F 8	13 3 50	17°51'45	18° 0	14°30	21°18	8°26	14° 6	9°16	16°55	9°55	2°43	17°12
S 9	13 7 47	18°50'37	18°59	20°49	22°56	9° 0	14°11	9°18	16°56	9°55	2°43	17°12
S 10	13 11 43	19°49'27	19°58	27° 7	24°33	9°34	14°16	9°20	16°57	9°56	2°43	17°13
M11	13 15 40	20°48'15	20°57	3 ^z 23	26°10	10° 8	14°21	9°22	16°57	9°56	2°43	17°14
T 12	13 19 36	21°47'02	21°56	9°35	27°47	10°43	14°25	9°25	16°58	9°56	2°43	17°14
W13	13 23 33	22°45'46	22°54	15°41	29°24	11°17	14°30	9°27	16°59	9°57	2°44	17°15
T 14	13 27 29	23°44'29	23°51	21°42	1 ^z 1	11°51	14°35	9°29	16°59	9°57	2°44	17°15
F 15	13 31 26	24°43'10	24°49	27°34	2°39	12°25	14°40	9°31	17° 0	9°58	2°44	17°16
S 16	13 35 22	25°41'50	25°46	3 ^z 19	4°16	12°59	14°44	9°34	17° 1	9°58	2°44	17°17
S 17	13 39 19	26°40'27	26°43	8°55	5°53	13°32	14°49	9°36	17° 1	9°58	2°44	17°17
M18	13 43 16	27°39'03	27°40	14°21	7°30	14° 6	14°54	9°38	17° 2	9°59	2°44	17°18
T 19	13 47 12	28°37'37	28°37	19°38	9° 7	14°40	14°59	9°40	17° 3	9°59	2°45	17°18
W20	13 51 9	29°36'08	29°33	24°45	10°43	15°14	15° 3	9°42	17° 3	9°59	2°45	17°19
T 21	13 55 5	0 ^m 34'38	0 ^m 30	29°43	12°20	15°47	15° 8	9°45	17° 4	10° 0	2°45	17°20
F 22	13 59 2	1°33'06	1°27	4 ^m 31	13°57	16°21	15°13	9°47	17° 5	10° 0	2°45	17°20
S 23	14 2 58	2°31'32	2°24	9°10	15°34	16°54	15°18	9°49	17° 5	10° 0	2°45	17°21
S 24	14 6 55	3°29'56	3°22	13°39	17°11	17°28	15°22	9°51	17° 6	10° 1	2°45	17°21
M25	14 10 51	4°28'18	4°20	18° 1	18°47	18° 1	15°27	9°54	17° 7	10° 1	2°46	17°22
T 26	14 14 48	5°26'37	5°18	22°14	20°24	18°35	15°32	9°56	17° 7	10° 1	2°46	17°23
W27	14 18 45	6°24'54	6°17	26°19	22° 0	19° 8	15°37	9°58	17° 8	10° 2	2°46	17°23
T 28	14 22 41	7°23'10	7°16	0 ^z 17	23°37	19°41	15°41	10° 0	17° 9	10° 2	2°46	17°24
F 29	14 26 38	8°21'23	8°15	4° 8	25°14	20°14	15°46	10° 3	17° 9	10° 3	2°46	17°25
S 30	14 30 34	9 ^m 19'34	9 ^m 15	7 ^z 52	26 ^z 50	20 ^z 47	15 ^z 51	10 ^u 5	17 ^z 10	10 ^z 3	2 ^v 47	17 ^v 25

Delta T = 9.75 sec.

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SWISS EPHEMERIS for the year 1825
heliocentric

MAY 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
S 1	14 34 31	10♈1743	10♈15	11♌31	28♌26	21♌20	15♌55	10♈ 7	17♌11	10♃ 3	2♃47	17♃26
M 2	14 38 27	11°15'50	11°15	15° 3	0♈ 3	21°53	16° 0	10° 9	17°11	10° 4	2°47	17°26
T 3	14 42 24	12°13'56	12°15	18°31	1°39	22°26	16° 5	10°11	17°12	10° 4	2°47	17°27
W 4	14 46 20	13°12'00	13°15	21°53	3°15	22°59	16°10	10°14	17°13	10° 4	2°47	17°28
T 5	14 50 17	14°10'03	14°15	25°11	4°52	23°32	16°14	10°16	17°13	10° 5	2°47	17°28
F 6	14 54 14	15° 8'04	15°14	28°25	6°28	24° 5	16°19	10°18	17°14	10° 5	2°48	17°29
S 7	14 58 10	16° 6'03	16°13	1♈35	8° 4	24°38	16°24	10°20	17°15	10° 5	2°48	17°29
S 8	15 2 7	17° 4'02	17°12	4°41	9°40	25°10	16°29	10°23	17°15	10° 6	2°48	17°30
M 9	15 6 3	18° 1'58	18°11	7°45	11°16	25°43	16°33	10°25	17°16	10° 6	2°48	17°31
T 10	15 10 0	18°59'54	19° 9	10°45	12°52	26°15	16°38	10°27	17°17	10° 6	2°48	17°31
W11	15 13 56	19°57'48	20° 7	13°43	14°28	26°48	16°43	10°29	17°18	10° 7	2°49	17°32
T 12	15 17 53	20°55'41	21° 4	16°38	16° 4	27°20	16°48	10°32	17°18	10° 7	2°49	17°32
F 13	15 21 49	21°53'33	22° 1	19°31	17°40	27°53	16°52	10°34	17°19	10° 8	2°49	17°33
S 14	15 25 46	22°51'23	22°58	22°23	19°16	28°25	16°57	10°36	17°20	10° 8	2°49	17°34
S 15	15 29 43	23°49'12	23°54	25°13	20°51	28°57	17° 2	10°38	17°20	10° 8	2°49	17°34
M16	15 33 39	24°47'00	24°51	28° 1	22°27	29°30	17° 6	10°41	17°21	10° 9	2°49	17°35
T 17	15 37 36	25°44'47	25°47	0♈48	24° 3	0♈ 2	17°11	10°43	17°22	10° 9	2°50	17°35
W18	15 41 32	26°42'32	26°43	3°34	25°38	0°34	17°16	10°45	17°22	10° 9	2°50	17°36
T 19	15 45 29	27°40'16	27°48	6°20	27°14	1° 6	17°21	10°47	17°23	10°10	2°50	17°37
F 20	15 49 25	28°37'59	28°34	9° 5	28°50	1°38	17°25	10°49	17°24	10°10	2°50	17°37
S 21	15 53 22	29°35'40	29°31	11°50	0♈25	2°10	17°30	10°52	17°24	10°10	2°50	17°38
S 22	15 57 18	0♈33'20	0♈27	14°34	2° 1	2°42	17°35	10°54	17°25	10°11	2°50	17°39
M23	16 1 15	1°30'59	1°24	17°19	3°36	3°14	17°40	10°56	17°26	10°11	2°51	17°39
T 24	16 5 12	2°28'36	2°20	20° 4	5°12	3°45	17°44	10°58	17°26	10°11	2°51	17°40
W25	16 9 8	3°26'11	3°18	22°50	6°47	4°17	17°49	11° 1	17°27	10°12	2°51	17°40
T 26	16 13 5	4°23'45	4°16	25°36	8°22	4°49	17°54	11° 3	17°28	10°12	2°51	17°41
F 27	16 17 1	5°21'17	5°14	28°23	9°58	5°20	17°58	11° 5	17°28	10°13	2°51	17°42
S 28	16 20 58	6°18'48	6°12	1♌12	11°33	5°52	18° 3	11° 7	17°29	10°13	2°52	17°42
S 29	16 24 54	7°16'18	7°11	4° 1	13° 8	6°23	18° 8	11°10	17°30	10°13	2°52	17°43
M30	16 28 51	8°13'46	8°10	6°52	14°43	6°55	18°13	11°12	17°30	10°14	2°52	17°43
T 31	16 32 47	9♈11'13	9♈ 9	9♈45	16♈19	7♈26	18♈17	11♈14	17♈31	10♃14	2♃52	17♃44

Delta T = 9.71 sec.

JUNE 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
W 1	16 36 44	10♈ 8'40	10♈ 9	12♌30	17♌54	7♈58	18♌22	11♈16	17♌32	10♃14	2♃52	17♃45
T 2	16 40 41	11° 6'05	11° 8	15°38	19°29	8°29	18°27	11°18	17°32	10°15	2°52	17°45
F 3	16 44 37	12° 3'29	12° 7	18°37	21° 4	9° 0	18°31	11°21	17°33	10°15	2°53	17°46
S 4	16 48 34	13° 0'53	13° 6	21°40	22°39	9°31	18°36	11°23	17°34	10°15	2°53	17°47
S 5	16 52 30	13°58'16	14° 5	24°46	24°14	10° 2	18°41	11°25	17°34	10°16	2°53	17°47
M 6	16 56 27	14°55'38	15° 3	27°54	25°49	10°33	18°46	11°27	17°35	10°16	2°53	17°48
T 7	17 0 23	15°53'00	16° 2	1♈ 7	27°24	11° 4	18°50	11°30	17°36	10°16	2°53	17°48
W 8	17 4 20	16°50'21	16°59	4°23	28°59	11°35	18°55	11°32	17°36	10°17	2°54	17°49
T 9	17 8 16	17°47'41	17°57	7°44	0♌34	12° 6	19° 0	11°34	17°37	10°17	2°54	17°50
F 10	17 12 13	18°45'01	18°54	11° 8	2° 9	12°37	19° 4	11°36	17°38	10°18	2°54	17°50
S 11	17 16 10	19°42'21	19°51	14°38	3°44	13° 8	19° 9	11°39	17°38	10°18	2°54	17°51
S 12	17 20 6	20°39'40	20°47	18°13	5°19	13°39	19°14	11°41	17°39	10°18	2°54	17°51
M13	17 24 3	21°36'59	21°43	21°54	6°54	14°10	19°19	11°43	17°40	10°19	2°54	17°52
T 14	17 27 59	22°34'17	22°39	25°40	8°29	14°40	19°23	11°45	17°40	10°19	2°55	17°53
W15	17 31 56	23°31'35	23°34	29°33	10° 4	15°11	19°28	11°48	17°41	10°19	2°55	17°53
T 16	17 35 52	24°28'53	24°30	3♈32	11°39	15°41	19°33	11°50	17°42	10°20	2°55	17°54
F 17	17 39 49	25°26'10	25°25	7°38	13°13	16°12	19°37	11°52	17°42	10°20	2°55	17°54
S 18	17 43 45	26°23'27	26°21	11°52	14°48	16°42	19°42	11°54	17°43	10°20	2°55	17°55
S 19	17 47 42	27°20'43	27°16	16°14	16°23	17°13	19°47	11°56	17°44	10°21	2°56	17°56
M20	17 51 39	28°17'58	28°12	20°43	17°58	17°43	19°52	11°59	17°45	10°21	2°56	17°56
T 21	17 55 35	29°15'13	29° 8	25°21	19°33	18°13	19°56	12° 1	17°45	10°21	2°56	17°57
W22	17 59 32	0♌12'27	0♌ 5	0♃ 8	21° 8	18°44	20° 1	12° 3	17°46	10°22	2°56	17°58
T 23	18 3 28	1° 9'40	1° 1	5° 3	22°42	19°14	20° 6	12° 5	17°47	10°22	2°56	17°58
F 24	18 7 25	2° 6'53	1°59	10° 8	24°17	19°44	20°10	12° 8	17°47	10°23	2°56	17°59
S 25	18 11 21	3° 4'05	2°56	15°21	25°52	20°14	20°15	12°10	17°48	10°23	2°57	17°59
S 26	18 15 18	4° 1'17	3°54	20°44	27°27	20°44	20°20	12°12	17°49	10°23	2°57	18° 0
M27	18 19 14	4°58'29	4°53	26°16	29° 2	21°14	20°24	12°14	17°49	10°24	2°57	18° 1
T 28	18 23 11	5°55'40	5°51	1♌56	0♈37	21°44	20°29	12°17	17°50	10°24	2°57	18° 1
W29	18 27 8	6°52'51	6°50	7°45	2°12	22°14	20°34	12°19	17°51	10°24	2°57	18° 2
T 30	18 31 4	7♌50'01	7♌49	13♌41	3♈46	22♈44	20♌39	12♈21	17♌51	10♃25	2♃57	18♃ 2

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SWISS EPHEMERIS for the year 1825
heliocentric

JULY 1825

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♁	♁
F 1	18 35 1	8 ³ 47'12	8 ³ 48	19 ⁸ 44	5 ²² 21	23 ^{II} 14	20 ^Ω 43	12 ^{II} 23	17 ³ 52	10 ³ 25	2 ^Υ 58	18 ^Υ 3
S 2	18 38 57	9°44'22	9°47	25°52	6°56	23°44	20°48	12°26	17°53	10°25	2°58	18° 4
S 3	18 42 54	10°41'33	10°46	2 ^{II} 6	8°31	24°13	20°53	12°28	17°53	10°26	2°58	18° 4
M 4	18 46 50	11°38'44	11°45	8°23	10° 6	24°43	20°57	12°30	17°54	10°26	2°58	18° 5
T 5	18 50 47	12°35'55	12°43	14°41	11°41	25°13	21° 2	12°32	17°55	10°26	2°58	18° 6
W 6	18 54 44	13°33'06	13°41	21° 0	13°16	25°42	21° 7	12°34	17°55	10°27	2°59	18° 6
T 7	18 58 40	14°30'17	14°39	27°19	14°51	26°12	21°12	12°37	17°56	10°27	2°59	18° 7
F 8	19 2 37	15°27'29	15°37	3 ³ 34	16°25	26°41	21°16	12°39	17°57	10°28	2°59	18° 7
S 9	19 6 33	16°24'42	16°34	9°46	18° 0	27°11	21°21	12°41	17°57	10°28	2°59	18° 8
S 10	19 10 30	17°21'55	17°30	15°53	19°35	27°40	21°26	12°43	17°58	10°28	2°59	18° 9
M 11	19 14 26	18°19'08	18°27	21°53	21°10	28°10	21°30	12°46	17°59	10°29	2°59	18° 9
T 12	19 18 23	19°16'22	19°23	27°45	22°45	28°39	21°35	12°48	17°59	10°29	3° 0	18°10
W 13	19 22 19	20°13'37	20°19	3 ^Ω 29	24°20	29° 8	21°40	12°50	18° 0	10°29	3° 0	18°10
T 14	19 26 16	21°10'52	21°14	9° 5	25°55	29°38	21°44	12°52	18° 1	10°30	3° 0	18°11
F 15	19 30 13	22° 8'08	22°10	14°31	27°30	0 ³ 7	21°49	12°55	18° 1	10°30	3° 0	18°12
S 16	19 34 9	23° 5'24	23° 5	19°48	29° 5	0°36	21°54	12°57	18° 2	10°30	3° 0	18°12
S 17	19 38 6	24° 2'41	24° 1	24°54	0 ^Υ 40	1° 5	21°58	12°59	18° 3	10°31	3° 1	18°13
M 18	19 42 2	24°59'58	24°56	29°52	2°15	1°34	22° 3	13° 1	18° 3	10°31	3° 1	18°13
T 19	19 45 59	25°57'15	25°52	4 ^Π 40	3°50	2° 3	22° 8	13° 4	18° 4	10°31	3° 1	18°14
W 20	19 49 55	26°54'32	26°48	9°18	5°26	2°32	22°13	13° 6	18° 5	10°32	3° 1	18°15
T 21	19 53 52	27°51'50	27°44	13°48	7° 1	3° 1	22°17	13° 8	18° 5	10°32	3° 1	18°15
F 22	19 57 48	28°49'08	28°41	18° 9	8°36	3°30	22°22	13°10	18° 6	10°33	3° 1	18°16
S 23	20 1 45	29°46'27	29°38	22°21	10°11	3°59	22°27	13°12	18° 7	10°33	3° 2	18°17
S 24	20 5 42	0 ³ 43'46	0 ³ 36	26°27	11°46	4°28	22°31	13°15	18° 7	10°33	3° 2	18°17
M 25	20 9 38	1°41'05	1°34	0 ^Ω 24	13°21	4°57	22°36	13°17	18° 8	10°34	3° 2	18°18
T 26	20 13 35	2°38'25	2°32	4°15	14°57	5°25	22°41	13°19	18° 9	10°34	3° 2	18°18
W 27	20 17 31	3°35'46	3°31	7°59	16°32	5°54	22°45	13°21	18° 9	10°34	3° 2	18°19
T 28	20 21 28	4°33'07	4°30	11°37	18° 7	6°23	22°50	13°24	18°10	10°35	3° 2	18°20
F 29	20 25 24	5°30'29	5°29	15°10	19°42	6°51	22°55	13°26	18°11	10°35	3° 3	18°20
S 30	20 29 21	6°27'51	6°28	18°37	21°18	7°20	22°59	13°28	18°12	10°35	3° 3	18°21
S 31	20 33 17	7 ³ 25'14	7 ³ 27	22 ^Ω 0	22 ^Υ 53	7 ³ 49	23 ^Ω 4	13 ^{II} 30	18 ³ 12	10 ³ 36	3 ^Υ 3	18 ^Υ 21

Delta T = 9.61 sec.

AUGUST 1825

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♁	♁
M 1	20 37 14	8 ³ 22'39	8 ³ 26	25 ^Ω 17	24 ^Υ 28	8 ³ 17	23 ^Ω 9	13 ^{II} 33	18 ³ 13	10 ³ 36	3 ^Υ 3	18 ^Υ 22
T 2	20 41 11	9°20'04	9°25	28°31	26° 4	8°46	23°14	13°35	18°14	10°36	3° 3	18°23
W 3	20 45 7	10°17'30	10°24	1 ^{III} 41	27°39	9°14	23°18	13°37	18°14	10°37	3° 4	18°23
T 4	20 49 4	11°14'58	11°23	4°47	29°15	9°42	23°23	13°39	18°15	10°37	3° 4	18°24
F 5	20 53 0	12°12'27	12°21	7°51	0 ^Υ 50	10°11	23°28	13°42	18°16	10°38	3° 4	18°25
S 6	20 56 57	13° 9'57	13°19	10°51	2°26	10°39	23°32	13°44	18°16	10°38	3° 4	18°25
S 7	21 0 53	14° 7'29	14°17	13°48	4° 1	11° 7	23°37	13°46	18°17	10°38	3° 4	18°26
M 8	21 4 50	15° 5'01	15°14	16°44	5°37	11°36	23°42	13°48	18°18	10°39	3° 4	18°26
T 9	21 8 46	16° 2'36	16°11	19°37	7°12	12° 4	23°46	13°50	18°18	10°39	3° 5	18°27
W 10	21 12 43	17° 0'12	17° 7	22°28	8°48	12°32	23°51	13°53	18°19	10°39	3° 5	18°28
T 11	21 16 40	17°57'49	18° 4	25°18	10°23	13° 0	23°56	13°55	18°20	10°40	3° 5	18°28
F 12	21 20 36	18°55'28	19° 0	28° 6	11°59	13°28	24° 0	13°57	18°20	10°40	3° 5	18°29
S 13	21 24 33	19°53'08	19°56	0 ^Υ 54	13°35	13°57	24° 5	13°59	18°21	10°40	3° 5	18°29
S 14	21 28 29	20°50'49	20°51	3°40	15°10	14°25	24°10	14° 2	18°22	10°41	3° 6	18°30
M 15	21 32 26	21°48'32	21°47	6°25	16°46	14°53	24°14	14° 4	18°22	10°41	3° 6	18°31
T 16	21 36 22	22°46'16	22°43	9°10	18°22	15°21	24°19	14° 6	18°23	10°41	3° 6	18°31
W 17	21 40 19	23°44'01	23°39	11°55	19°57	15°49	24°24	14° 8	18°24	10°42	3° 6	18°32
T 18	21 44 15	24°41'47	24°35	14°40	21°33	16°16	24°28	14°11	18°24	10°42	3° 6	18°32
F 19	21 48 12	25°39'34	25°32	17°25	23° 9	16°44	24°33	14°13	18°25	10°43	3° 6	18°33
S 20	21 52 9	26°37'23	26°29	20°10	24°45	17°12	24°38	14°15	18°26	10°43	3° 7	18°34
S 21	21 56 5	27°35'13	27°27	22°55	26°21	17°40	24°42	14°17	18°26	10°43	3° 7	18°34
M 22	22 0 2	28°33'04	28°25	25°41	27°56	18° 8	24°47	14°20	18°27	10°44	3° 7	18°35
T 23	22 3 58	29°30'56	29°23	28°29	29°32	18°36	24°52	14°22	18°28	10°44	3° 7	18°36
W 24	22 7 55	0 ^Υ 28'49	0 ^Υ 22	1 ³ 17	1 ⁸ 8	19° 3	24°57	14°24	18°28	10°44	3° 7	18°36
T 25	22 11 51	1°26'44	1°21	4° 7	2°44	19°31	25° 1	14°26	18°29	10°45	3° 7	18°37
F 26	22 15 48	2°24'40	2°20	6°58	4°20	19°59	25° 6	14°28	18°30	10°45	3° 8	18°37
S 27	22 19 44	3°22'38	3°20	9°51	5°56	20°26	25°11	14°31	18°30	10°45	3° 8	18°38
S 28	22 23 41	4°20'37	4°20	12°46	7°32	20°54	25°15	14°33	18°31	10°46	3° 8	18°39
M 29	22 27 38	5°18'37	5°19	15°43	9° 8	21°22	25°20	14°35	18°32	10°46	3° 8	18°39
T 30	22 31 34	6°16'39	6°19	18°43	10°44	21°49	25°25	14°37	18°32	10°46	3° 8	18°40
W 31	22 35 31	7 ^Υ 14'43	7 ^Υ 19	21 ³ 46	12 ⁸ 21	22 ³ 17	25 ^Ω 29	14 ^{II} 40	18 ³ 33	10 ³ 47	3 ^Υ 9	18 ^Υ 40

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SWISS EPHEMERIS for the year 1825
heliocentric

SEPTEMBER 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
T 1	22 39 27	8 ^h 12'49"	8 ^h 19'	24 ^h 35'	13 ^h 57'	22 ^h 54'	25 ^h 34'	14 ^h 42'	18 ^h 34'	10 ^h 47'	3 ^h 9'	18 ^h 41'
F 2	22 43 24	9°10'56"	9°18'	28° 0'	15°33'	23°12'	25°39'	14°44'	18°34'	10°48'	3° 9'	18°42'
S 3	22 47 20	10° 9'06"	10°17'	1 ^h 13'	17° 9'	23°39'	25°43'	14°46'	18°35'	10°48'	3° 9'	18°42'
S 4	22 51 17	11° 7'17"	11°16'	4°29'	18°45'	24° 6'	25°48'	14°49'	18°36'	10°48'	3° 9'	18°43'
M 5	22 55 13	12° 5'31"	12°14'	7°50'	20°22'	24°34'	25°53'	14°51'	18°36'	10°49'	3° 9'	18°44'
T 6	22 59 10	13° 3'46"	13°13'	11°15'	21°58'	25° 1'	25°57'	14°53'	18°37'	10°49'	3°10'	18°44'
W 7	23 3 6	14° 2'04"	14°11'	14°45'	23°34'	25°29'	26° 2'	14°55'	18°38'	10°49'	3°10'	18°45'
T 8	23 7 3	15° 0'24"	15° 8'	18°20'	25°11'	25°56'	26° 7'	14°58'	18°38'	10°50'	3°10'	18°45'
F 9	23 11 0	15°58'46"	16° 5'	22° 1'	26°47'	26°23'	26°11'	15° 0'	18°39'	10°50'	3°10'	18°46'
S 10	23 14 56	16°57'10"	17° 2'	25°47'	28°23'	26°50'	26°16'	15° 2'	18°40'	10°50'	3°10'	18°47'
S 11	23 18 53	17°55'36"	17°59'	29°40'	29°59'	27°18'	26°21'	15° 4'	18°40'	10°51'	3°11'	18°47'
M12	23 22 49	18°54'03"	18°55'	3 ^h 40'	1 ^h 36'	27°45'	26°25'	15° 7'	18°41'	10°51'	3°11'	18°48'
T 13	23 26 46	19°52'33"	19°52'	7°46'	3°13'	28°12'	26°30'	15° 9'	18°42'	10°51'	3°11'	18°48'
W14	23 30 42	20°51'05"	20°48'	12° 0'	4°49'	28°39'	26°35'	15°11'	18°43'	10°52'	3°11'	18°49'
T 15	23 34 39	21°49'38"	21°45'	16°22'	6°26'	29° 6'	26°39'	15°13'	18°43'	10°52'	3°11'	18°50'
F 16	23 38 35	22°48'13"	22°42'	20°52'	8° 3'	29°33'	26°44'	15°15'	18°44'	10°53'	3°11'	18°50'
S 17	23 42 32	23°46'50"	23°39'	25°30'	9°39'	0 ^h 0'	26°49'	15°18'	18°45'	10°53'	3°12'	18°51'
S 18	23 46 29	24°45'29"	24°37'	0 ^h 17'	11°16'	0°28'	26°53'	15°20'	18°45'	10°53'	3°12'	18°52'
M19	23 50 25	25°44'09"	25°35'	5°13'	12°52'	0°55'	26°58'	15°22'	18°46'	10°54'	3°12'	18°52'
T 20	23 54 22	26°42'51"	26°34'	10°17'	14°29'	1°22'	27° 3'	15°24'	18°47'	10°54'	3°12'	18°53'
W21	23 58 18	27°41'35"	27°33'	15°31'	16° 6'	1°49'	27° 7'	15°27'	18°47'	10°54'	3°12'	18°53'
T 22	0 2 15	28°40'20"	28°33'	20°54'	17°43'	2°16'	27°12'	15°29'	18°48'	10°55'	3°12'	18°54'
F 23	0 6 11	29°39'07"	29°33'	26°26'	19°20'	2°43'	27°17'	15°31'	18°49'	10°55'	3°13'	18°55'
S 24	0 10 8	0 ^h 37'56"	0 ^h 33'	2 ^h 7'	20°56'	3° 9'	27°21'	15°33'	18°49'	10°55'	3°13'	18°55'
S 25	0 14 4	1°36'47"	1°33'	7°56'	22°33'	3°36'	27°26'	15°36'	18°50'	10°56'	3°13'	18°56'
M26	0 18 1	2°35'39"	2°34'	13°52'	24°10'	4° 3'	27°31'	15°38'	18°51'	10°56'	3°13'	18°56'
T 27	0 21 58	3°34'33"	3°34'	19°55'	25°47'	4°30'	27°35'	15°40'	18°51'	10°56'	3°13'	18°57'
W28	0 25 54	4°33'30"	4°35'	26° 4'	27°24'	4°57'	27°40'	15°42'	18°52'	10°57'	3°14'	18°58'
T 29	0 29 51	5°32'28"	5°36'	2 ^h 18'	29° 1'	5°24'	27°45'	15°45'	18°53'	10°57'	3°14'	18°58'
F 30	0 33 47	6°31'29"	6°36'	8 ^h 34'	0 ^h 38'	5 ^h 51'	27 ^h 49'	15 ^h 47'	18 ^h 53'	10 ^h 57'	3 ^h 14'	18 ^h 59'

Delta T = 9.50 sec.

OCTOBER 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
S 1	0 37 44	7 ^h 30'32"	7 ^h 37'	14 ^h 53'	2 ^h 51'	6 ^h 17'	27 ^h 54'	15 ^h 49'	18 ^h 54'	10 ^h 58'	3 ^h 14'	18 ^h 59'
S 2	0 41 40	8°29'37"	8°37'	21°12'	3°52'	6°44'	27°59'	15°51'	18°55'	10°58'	3°14'	19° 0'
M 3	0 45 37	9°28'45"	9°37'	27°31'	5°29'	7°11'	28° 3'	15°53'	18°55'	10°59'	3°14'	19° 1'
T 4	0 49 33	10°27'54"	10°37'	3 ^h 46'	7° 6'	7°38'	28° 8'	15°56'	18°56'	10°59'	3°15'	19° 1'
W 5	0 53 30	11°27'07"	11°36'	9°58'	8°43'	8° 4'	28°12'	15°58'	18°57'	10°59'	3°15'	19° 2'
T 6	0 57 27	12°26'21"	12°35'	16° 4'	10°21'	8°31'	28°17'	16° 0'	18°57'	11° 0'	3°15'	19° 3'
F 7	1 1 23	13°25'38"	13°34'	22° 4'	11°58'	8°58'	28°22'	16° 2'	18°58'	11° 0'	3°15'	19° 3'
S 8	1 5 20	14°24'57"	14°32'	27°56'	13°35'	9°24'	28°26'	16° 5'	18°59'	11° 0'	3°15'	19° 4'
S 9	1 9 16	15°24'18"	15°30'	3 ^h 40'	15°12'	9°51'	28°31'	16° 7'	18°59'	11° 1'	3°15'	19° 4'
M10	1 13 13	16°23'41"	16°28'	9°15'	16°50'	10°18'	28°36'	16° 9'	19° 0'	11° 1'	3°16'	19° 5'
T 11	1 17 9	17°23'07"	17°25'	14°41'	18°27'	10°44'	28°40'	16°11'	19° 1'	11° 1'	3°16'	19° 6'
W12	1 21 6	18°22'35"	18°23'	19°57'	20° 4'	11°11'	28°45'	16°14'	19° 1'	11° 2'	3°16'	19° 6'
T 13	1 25 2	19°22'05"	19°20'	25° 4'	21°42'	11°37'	28°50'	16°16'	19° 2'	11° 2'	3°16'	19° 7'
F 14	1 28 59	20°21'37"	20°18'	0 ^h 11'	23°19'	12° 4'	28°54'	16°18'	19° 3'	11° 2'	3°16'	19° 7'
S 15	1 32 55	21°21'11"	21°15'	4°48'	24°56'	12°31'	28°59'	16°20'	19° 3'	11° 3'	3°17'	19° 8'
S 16	1 36 52	22°20'47"	22°14'	9°27'	26°34'	12°57'	29° 4'	16°23'	19° 4'	11° 3'	3°17'	19° 9'
M17	1 40 49	23°20'24"	23°12'	13°56'	28°11'	13°24'	29° 8'	16°25'	19° 5'	11° 4'	3°17'	19° 9'
T 18	1 44 45	24°20'03"	24°11'	18°17'	29°49'	13°50'	29°13'	16°27'	19° 5'	11° 4'	3°17'	19°10'
W19	1 48 42	25°19'44"	25°11'	22°29'	1 ^h 26'	14°17'	29°18'	16°29'	19° 6'	11° 4'	3°17'	19°11'
T 20	1 52 38	26°19'27"	26°11'	26°34'	3° 3'	14°43'	29°22'	16°32'	19° 7'	11° 5'	3°17'	19°11'
F 21	1 56 35	27°19'11"	27°11'	0 ^h 32'	4°41'	15°10'	29°27'	16°34'	19° 7'	11° 5'	3°18'	19°12'
S 22	2 0 31	28°18'57"	28°12'	4°22'	6°18'	15°36'	29°32'	16°36'	19° 8'	11° 5'	3°18'	19°12'
S 23	2 4 28	29°18'44"	29°12'	8° 6'	7°56'	16° 2'	29°36'	16°38'	19° 9'	11° 6'	3°18'	19°13'
M24	2 8 24	0 ^h 18'34"	0 ^h 14'	11°44'	9°33'	16°29'	29°41'	16°40'	19° 9'	11° 6'	3°18'	19°14'
T 25	2 12 21	1°18'25"	1°15'	15°17'	11°11'	16°55'	29°46'	16°43'	19°10'	11° 6'	3°18'	19°14'
W26	2 16 18	2°18'18"	2°17'	18°44'	12°49'	17°22'	29°50'	16°45'	19°11'	11° 7'	3°18'	19°15'
T 27	2 20 14	3°18'13"	3°18'	22° 6'	14°26'	17°48'	29°55'	16°47'	19°11'	11° 7'	3°19'	19°15'
F 28	2 24 11	4°18'10"	4°20'	25°24'	16° 4'	18°14'	29°59'	16°49'	19°12'	11° 7'	3°19'	19°16'
S 29	2 28 7	5°18'09"	5°22'	28°37'	17°41'	18°41'	0 ^h 11'	16°52'	19°13'	11° 8'	3°19'	19°17'
S 30	2 32 4	6°18'10"	6°23'	1 ^h 47'	19°19'	19° 7'	0° 9'	16°54'	19°13'	11° 8'	3°19'	19°17'
M31	2 36 0	7 ^h 18'13"	7 ^h 25'	4 ^h 53'	20 ^h 56'	19 ^h 34'	0 ^h 13'	16 ^h 56'	19 ^h 14'	11 ^h 8'	3 ^h 19'	19 ^h 18'

Delta T = 9.45 sec.

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SWISS EPHEMERIS for the year 1825
heliocentric

NOVEMBER 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	2 39 57	8♁18'18	8♁26	7♁56	22♁34	20♁ 0	0♁18	16♁58	19♁15	11♁ 9	3♁20	19♁19
W 2	2 43 53	9°18'25	9°27	10°56	24°11	20°26	0°23	17° 1	19°15	11° 9	3°20	19°19
T 3	2 47 50	10°18'35	10°27	13°54	25°49	20°53	0°27	17° 3	19°16	11°10	3°20	19°20
F 4	2 51 47	11°18'46	11°27	16°49	27°26	21°19	0°32	17° 5	19°17	11°10	3°20	19°20
S 5	2 55 43	12°18'59	12°27	19°42	29° 4	21°45	0°37	17° 7	19°17	11°10	3°20	19°21
S 6	2 59 40	13°19'15	13°27	22°34	0♁42	22°12	0°41	17°10	19°18	11°11	3°20	19°22
M 7	3 3 36	14°19'32	14°26	25°23	2°19	22°38	0°46	17°12	19°19	11°11	3°21	19°22
T 8	3 7 33	15°19'52	15°24	28°12	3°57	23° 4	0°51	17°14	19°20	11°11	3°21	19°23
W 9	3 11 29	16°20'13	16°23	0♁59	5°34	23°30	0°55	17°16	19°20	11°12	3°21	19°23
T 10	3 15 26	17°20'36	17°21	3°45	7°12	23°57	1° 0	17°19	19°21	11°12	3°21	19°24
F 11	3 19 22	18°21'01	18°20	6°31	8°49	24°23	1° 4	17°21	19°22	11°12	3°21	19°25
S 12	3 23 19	19°21'28	19°18	9°16	10°26	24°49	1° 9	17°23	19°22	11°13	3°22	19°25
S 13	3 27 16	20°21'56	20°17	12° 0	12° 4	25°15	1°14	17°25	19°23	11°13	3°22	19°26
M14	3 31 12	21°22'25	21°16	14°45	13°41	25°42	1°18	17°28	19°24	11°14	3°22	19°27
T 15	3 35 9	22°22'56	22°15	17°30	15°19	26° 8	1°23	17°30	19°24	11°14	3°22	19°27
W16	3 39 5	23°23'29	23°15	20°15	16°56	26°34	1°28	17°32	19°25	11°14	3°22	19°28
T 17	3 43 2	24°24'02	24°15	23° 0	18°33	27° 0	1°32	17°34	19°26	11°15	3°22	19°28
F 18	3 46 58	25°24'36	25°15	25°47	20°11	27°27	1°37	17°36	19°26	11°15	3°23	19°29
S 19	3 50 55	26°25'12	26°16	28°34	21°48	27°53	1°42	17°39	19°27	11°15	3°23	19°30
S 20	3 54 51	27°25'49	27°18	1♁22	23°25	28°19	1°46	17°41	19°28	11°16	3°23	19°30
M21	3 58 48	28°26'27	28°19	4°12	25° 2	28°45	1°51	17°43	19°28	11°16	3°23	19°31
T 22	4 2 45	29°27'07	29°21	7° 3	26°40	29°12	1°56	17°45	19°29	11°16	3°23	19°31
W23	4 6 41	0♁27'47	0♁23	9°57	28°17	29°38	2° 0	17°48	19°30	11°17	3°23	19°32
T 24	4 10 38	1°28'29	1°26	12°52	29°54	0♁ 4	2° 5	17°50	19°30	11°17	3°24	19°33
F 25	4 14 34	2°29'12	2°28	15°49	1♁31	0°30	2° 9	17°52	19°31	11°17	3°24	19°33
S 26	4 18 31	3°29'56	3°31	18°49	3° 8	0°56	2°14	17°54	19°32	11°18	3°24	19°34
S 27	4 22 27	4°30'42	4°33	21°52	4°45	1°23	2°19	17°57	19°32	11°18	3°24	19°35
M28	4 26 24	5°31'29	5°36	24°57	6°22	1°49	2°23	17°59	19°33	11°19	3°24	19°35
T 29	4 30 20	6°32'18	6°38	28° 7	7°59	2°15	2°28	18° 1	19°34	11°19	3°25	19°36
W30	4 34 17	7♁33'07	7♁40	1♁19	9♁36	2♁41	2♁33	18♁ 3	19♁34	11♁19	3♁25	19♁36

Delta T = 9.40 sec.

DECEMBER 1825

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	4 38 14	8♁33'58	8♁42	4♁36	11♁13	3♁ 8	2♁37	18♁ 6	19♁35	11♁20	3♁25	19♁37
F 2	4 42 10	9°34'51	9°43	7°56	12°50	3°34	2°42	18° 8	19°36	11°20	3°25	19°38
S 3	4 46 7	10°35'44	10°44	11°22	14°27	4° 0	2°47	18°10	19°36	11°20	3°25	19°38
S 4	4 50 3	11°36'39	11°45	14°52	16° 3	4°26	2°51	18°12	19°37	11°21	3°25	19°39
M 5	4 54 0	12°37'36	12°45	18°27	17°40	4°52	2°56	18°15	19°38	11°21	3°26	19°40
T 6	4 57 56	13°38'33	13°45	22° 8	19°17	5°19	3° 0	18°17	19°38	11°21	3°26	19°40
W 7	5 1 53	14°39'32	14°45	25°55	20°53	5°45	3° 5	18°19	19°39	11°22	3°26	19°41
T 8	5 5 49	15°40'32	15°44	29°48	22°30	6°11	3°10	18°21	19°40	11°22	3°26	19°41
F 9	5 9 46	16°41'33	16°43	3♁48	24° 7	6°37	3°14	18°24	19°40	11°22	3°26	19°42
S 10	5 13 43	17°42'35	17°42	7°54	25°43	7° 3	3°19	18°26	19°41	11°23	3°27	19°43
S 11	5 17 39	18°43'38	18°41	12° 8	27°20	7°30	3°24	18°28	19°42	11°23	3°27	19°43
M12	5 21 36	19°44'42	19°41	16°30	28°56	7°56	3°28	18°30	19°42	11°24	3°27	19°44
T 13	5 25 32	20°45'46	20°40	21° 0	0♁32	8°22	3°33	18°33	19°43	11°24	3°27	19°44
W14	5 29 29	21°46'50	21°40	25°39	2° 9	8°48	3°37	18°35	19°44	11°24	3°27	19°45
T 15	5 33 25	22°47'55	22°40	0♁26	3°45	9°15	3°42	18°37	19°44	11°25	3°27	19°46
F 16	5 37 22	23°49'01	23°40	5°22	5°21	9°41	3°47	18°39	19°45	11°25	3°28	19°46
S 17	5 41 19	24°50'06	24°41	10°27	6°57	10° 7	3°51	18°41	19°46	11°25	3°28	19°47
S 18	5 45 15	25°51'12	25°42	15°41	8°33	10°33	3°56	18°44	19°46	11°26	3°28	19°48
M19	5 49 12	26°52'18	26°43	21° 5	10°10	11° 0	4° 1	18°46	19°47	11°26	3°28	19°48
T 20	5 53 8	27°53'25	27°45	26°37	11°46	11°26	4° 5	18°48	19°48	11°26	3°28	19°49
W21	5 57 5	28°54'31	28°47	2♁18	13°22	11°52	4°10	18°50	19°48	11°27	3°28	19°49
T 22	6 1 1	29°55'38	29°50	8° 7	14°57	12°18	4°14	18°53	19°49	11°27	3°29	19°50
F 23	6 4 58	0♁56'45	0♁52	14° 3	16°33	12°45	4°19	18°55	19°50	11°28	3°29	19°51
S 24	6 8 54	1°57'53	1°55	20° 7	18° 9	13°11	4°24	18°57	19°50	11°28	3°29	19°51
S 25	6 12 51	2°59'00	2°58	26°16	19°45	13°37	4°28	18°59	19°51	11°28	3°29	19°52
M26	6 16 48	4° 0'08	4° 1	2♁29	21°21	14° 4	4°33	19° 2	19°52	11°29	3°29	19°52
T 27	6 20 44	5° 1'16	5° 4	8°46	22°57	14°30	4°38	19° 4	19°53	11°29	3°30	19°53
W28	6 24 41	6° 2'25	6° 7	15° 5	24°32	14°56	4°42	19° 6	19°53	11°29	3°30	19°54
T 29	6 28 37	7° 3'33	7°10	21°24	26° 8	15°22	4°47	19° 8	19°54	11°30	3°30	19°54
F 30	6 32 34	8° 4'42	8°12	27°42	27°43	15°49	4°51	19°11	19°55	11°30	3°30	19°55
S 31	6 36 30	9♁ 5'51	9♁14	3♁58	29♁19	16♁15	4♁56	19♁13	19♁55	11♁30	3♁30	19♁56

Delta T = 9.35 sec.

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