

SWISS EPHEMERIS for the year 1886

heliocentric

JANUARY 1886

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| Day | Sid.t | Terra | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---|
| F 1 | 6 42 16 | 10 ^h 33'10" | 10 ^h 40' | 8 ^h 50' | 11 ^h 11' | 17 ^h 03' | 25 ^h 03' | 5 ^h 07' | 4 ^h 35' | 24 ^h 27' | 2 ^h 13' | 14 ^h 12' | |
| S 2 | 6 46 13 | 11°34'20" | 11°40' | 13°22' | 12°38' | 18° 5' | 25° 7' | 5° 9' | 4°36' | 24°27' | 2°13' | 14°13' | |
| S 3 | 6 50 10 | 12°35'31" | 12°40' | 17°46' | 14°14' | 18°32' | 25°12' | 5°12' | 4°37' | 24°28' | 2°13' | 14°15' | |
| M 4 | 6 54 6 | 13°36'42" | 13°39' | 22° 1' | 15°51' | 18°58' | 25°17' | 5°14' | 4°38' | 24°28' | 2°14' | 14°16' | |
| T 5 | 6 58 3 | 14°37'53" | 14°38' | 26° 9' | 17°28' | 19°25' | 25°21' | 5°16' | 4°38' | 24°28' | 2°14' | 14°17' | |
| W 6 | 7 1 59 | 15°39'04" | 15°38' | 0 ^h 08' | 19° 4' | 19°51' | 25°26' | 5°18' | 4°39' | 24°29' | 2°14' | 14°18' | |
| T 7 | 7 5 56 | 16°40'14" | 16°37' | 4° 1' | 20°41' | 20°17' | 25°30' | 5°21' | 4°40' | 24°29' | 2°14' | 14°19' | |
| F 8 | 7 9 52 | 17°41'24" | 17°37' | 7°47' | 22°18' | 20°44' | 25°35' | 5°23' | 4°41' | 24°30' | 2°14' | 14°20' | |
| S 9 | 7 13 49 | 18°42'34" | 18°37' | 11°27' | 23°55' | 21°10' | 25°39' | 5°25' | 4°42' | 24°30' | 2°14' | 14°21' | |
| S 10 | 7 17 45 | 19°43'43" | 19°36' | 15° 2' | 25°32' | 21°36' | 25°44' | 5°27' | 4°42' | 24°30' | 2°14' | 14°23' | |
| M 11 | 7 21 42 | 20°44'52" | 20°37' | 18°30' | 27° 9' | 22° 3' | 25°48' | 5°30' | 4°43' | 24°31' | 2°15' | 14°24' | |
| T 12 | 7 25 39 | 21°46'00" | 21°37' | 21°54' | 28°46' | 22°29' | 25°53' | 5°32' | 4°44' | 24°31' | 2°15' | 14°25' | |
| W 13 | 7 29 35 | 22°47'07" | 22°38' | 25°13' | 0 ^h 23' | 22°55' | 25°57' | 5°34' | 4°45' | 24°31' | 2°15' | 14°26' | |
| T 14 | 7 33 32 | 23°48'14" | 23°39' | 28°28' | 2° 0' | 23°22' | 26° 2' | 5°36' | 4°45' | 24°32' | 2°15' | 14°27' | |
| F 15 | 7 37 28 | 24°49'20" | 24°41' | 1 ^h 03' | 3°37' | 23°48' | 26° 7' | 5°39' | 4°46' | 24°32' | 2°15' | 14°28' | |
| S 16 | 7 41 25 | 25°50'25" | 25°43' | 4°47' | 5°14' | 24°14' | 26°11' | 5°41' | 4°47' | 24°32' | 2°15' | 14°29' | |
| S 17 | 7 45 21 | 26°51'29" | 26°45' | 7°51' | 6°51' | 24°40' | 26°16' | 5°43' | 4°48' | 24°33' | 2°16' | 14°30' | |
| M 18 | 7 49 18 | 27°52'33" | 27°48' | 10°52' | 8°28' | 25° 7' | 26°20' | 5°45' | 4°48' | 24°33' | 2°16' | 14°32' | |
| T 19 | 7 53 14 | 28°53'36" | 28°51' | 13°50' | 10° 5' | 25°33' | 26°25' | 5°47' | 4°49' | 24°34' | 2°16' | 14°33' | |
| W 20 | 7 57 11 | 29°54'38" | 29°54' | 16°46' | 11°42' | 25°59' | 26°29' | 5°50' | 4°50' | 24°34' | 2°16' | 14°34' | |
| T 21 | 8 1 8 | 0 ^h 05'39" | 0 ^h 05'39" | 19°40' | 13°20' | 26°25' | 26°34' | 5°52' | 4°51' | 24°34' | 2°16' | 14°35' | |
| F 22 | 8 5 4 | 1°56'40" | 2° 0' | 22°32' | 14°57' | 26°52' | 26°38' | 5°54' | 4°52' | 24°35' | 2°16' | 14°36' | |
| S 23 | 8 9 1 | 2°57'40" | 3° 3' | 25°22' | 16°34' | 27°18' | 26°43' | 5°56' | 4°52' | 24°35' | 2°17' | 14°37' | |
| S 24 | 8 12 57 | 3°58'39" | 4° 5' | 28°11' | 18°11' | 27°44' | 26°48' | 5°59' | 4°53' | 24°35' | 2°17' | 14°38' | |
| M 25 | 8 16 54 | 4°59'37" | 5° 7' | 0 ^h 07'58" | 19°49' | 28°10' | 26°52' | 6° 1' | 4°54' | 24°36' | 2°17' | 14°40' | |
| T 26 | 8 20 50 | 6° 0'36" | 6° 9' | 3°45' | 21°26' | 28°37' | 26°57' | 6° 3' | 4°55' | 24°36' | 2°17' | 14°41' | |
| W 27 | 8 24 47 | 7° 1'33" | 7°11' | 6°31' | 23° 3' | 29° 3' | 27° 1' | 6° 5' | 4°55' | 24°37' | 2°17' | 14°42' | |
| T 28 | 8 28 43 | 8° 2'30" | 8°11' | 9°16' | 24°41' | 29°29' | 27° 6' | 6° 8' | 4°56' | 24°37' | 2°17' | 14°43' | |
| F 29 | 8 32 40 | 9° 3'26" | 9°12' | 12° 1' | 26°18' | 29°55' | 27°10' | 6°10' | 4°57' | 24°37' | 2°17' | 14°44' | |
| S 30 | 8 36 37 | 10° 4'22" | 10°12' | 14°45' | 27°56' | 0 ^h 02' | 27°15' | 6°12' | 4°58' | 24°38' | 2°18' | 14°45' | |
| S 31 | 8 40 33 | 11 ^h 05'16" | 11 ^h 05'16" | 17 ^h 07'30" | 29 ^h 03'33" | 0 ^h 04'48" | 27 ^h 07'19" | 6 ^h 14' | 4 ^h 59' | 24 ^h 38' | 2 ^h 18' | 14 ^h 46' | |

Delta T = -5.72 sec.

FEBRUARY 1886

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| Day | Sid.t | Terra | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---|
| M 1 | 8 44 30 | 12 ^h 06'10" | 12 ^h 06'10" | 20 ^h 07'15" | 1 ^h 10' | 1 ^h 14' | 27 ^h 24' | 6 ^h 17' | 4 ^h 59' | 24 ^h 38' | 2 ^h 18' | 14 ^h 48' | |
| T 2 | 8 48 26 | 13° 7'03" | 13°11' | 23° 0' | 2°48' | 1°40' | 27°28' | 6°19' | 5° 0' | 24°39' | 2°18' | 14°49' | |
| W 3 | 8 52 23 | 14° 7'54" | 14°10' | 25°46' | 4°25' | 2° 6' | 27°33' | 6°21' | 5° 1' | 24°39' | 2°18' | 14°50' | |
| T 4 | 8 56 19 | 15° 8'45" | 15° 9' | 28°33' | 6° 3' | 2°33' | 27°38' | 6°23' | 5° 2' | 24°39' | 2°18' | 14°51' | |
| F 5 | 9 0 16 | 16° 9'34" | 16° 8' | 1 ^h 21' | 7°40' | 2°59' | 27°42' | 6°26' | 5° 2' | 24°40' | 2°19' | 14°52' | |
| S 6 | 9 4 12 | 17°10'23" | 17° 7' | 4°11' | 9°18' | 3°25' | 27°47' | 6°28' | 5° 3' | 24°40' | 2°19' | 14°53' | |
| S 7 | 9 8 9 | 18°11'09" | 18° 6' | 7° 1' | 10°55' | 3°51' | 27°51' | 6°30' | 5° 4' | 24°41' | 2°19' | 14°55' | |
| M 8 | 9 12 6 | 19°11'55" | 19° 6' | 9°54' | 12°33' | 4°17' | 27°56' | 6°32' | 5° 5' | 24°41' | 2°19' | 14°56' | |
| T 9 | 9 16 2 | 20°12'38" | 20° 5' | 12°48' | 14°10' | 4°44' | 28° 0' | 6°35' | 5° 6' | 24°41' | 2°19' | 14°57' | |
| W 10 | 9 19 59 | 21°13'21" | 21° 5' | 15°45' | 15°48' | 5°10' | 28° 5' | 6°37' | 5° 6' | 24°42' | 2°19' | 14°58' | |
| T 11 | 9 23 55 | 22°14'01" | 22° 5' | 18°44' | 17°25' | 5°36' | 28° 9' | 6°39' | 5° 7' | 24°42' | 2°19' | 14°59' | |
| F 12 | 9 27 52 | 23°14'40" | 23° 6' | 21°46' | 19° 3' | 6° 2' | 28°14' | 6°41' | 5° 8' | 24°42' | 2°20' | 15° 0' | |
| S 13 | 9 31 48 | 24°15'17" | 24° 7' | 24°50' | 20°40' | 6°28' | 28°18' | 6°44' | 5° 9' | 24°43' | 2°20' | 15° 1' | |
| S 14 | 9 35 45 | 25°15'53" | 25° 8' | 27°58' | 22°18' | 6°55' | 28°23' | 6°46' | 5° 9' | 24°43' | 2°20' | 15° 3' | |
| M 15 | 9 39 41 | 26°16'27" | 26°10' | 1 ^h 08'10" | 23°55' | 7°21' | 28°28' | 6°48' | 5°10' | 24°44' | 2°20' | 15° 4' | |
| T 16 | 9 43 38 | 27°16'59" | 27°12' | 4°25' | 25°33' | 7°47' | 28°32' | 6°50' | 5°11' | 24°44' | 2°20' | 15° 5' | |
| W 17 | 9 47 35 | 28°17'29" | 28°14' | 7°44' | 27°11' | 8°13' | 28°37' | 6°53' | 5°12' | 24°44' | 2°20' | 15° 6' | |
| T 18 | 9 51 31 | 29°17'58" | 29°16' | 11° 8' | 28°48' | 8°39' | 28°41' | 6°55' | 5°13' | 24°45' | 2°21' | 15° 7' | |
| F 19 | 9 55 28 | 0 ^h 18'25" | 0 ^h 19' | 14°36' | 0 ^h 26' | 9° 6' | 28°46' | 6°57' | 5°13' | 24°45' | 2°21' | 15° 8' | |
| S 20 | 9 59 24 | 1°18'50" | 1°21' | 18°10' | 2° 3' | 9°32' | 28°50' | 6°59' | 5°14' | 24°45' | 2°21' | 15° 9' | |
| S 21 | 10 3 21 | 2°19'13" | 2°24' | 21°49' | 3°41' | 9°58' | 28°55' | 7° 1' | 5°15' | 24°46' | 2°21' | 15°11' | |
| M 22 | 10 7 17 | 3°19'36" | 3°26' | 25°34' | 5°18' | 10°24' | 28°59' | 7° 4' | 5°16' | 24°46' | 2°21' | 15°12' | |
| T 23 | 10 11 14 | 4°19'56" | 4°27' | 29°25' | 6°56' | 10°51' | 29° 4' | 7° 6' | 5°16' | 24°46' | 2°21' | 15°13' | |
| W 24 | 10 15 10 | 5°20'16" | 5°29' | 3 ^h 02'22" | 8°33' | 11°17' | 29° 8' | 7° 8' | 5°17' | 24°47' | 2°22' | 15°14' | |
| T 25 | 10 19 7 | 6°20'34" | 6°29' | 7°26' | 10°10' | 11°43' | 29°13' | 7°10' | 5°18' | 24°47' | 2°22' | 15°15' | |
| F 26 | 10 23 3 | 7°20'50" | 7°30' | 11°38' | 11°48' | 12° 9' | 29°17' | 7°13' | 5°19' | 24°48' | 2°22' | 15°16' | |
| S 27 | 10 27 0 | 8°21'05" | 8°30' | 15°57' | 13°25' | 12°36' | 29°22' | 7°15' | 5°19' | 24°48' | 2°22' | 15°17' | |
| S 28 | 10 30 57 | 9 ^h 21'19" | 9 ^h 30' | 20 ^h 07'24" | 15 ^h 07' 3" | 13 ^h 07' 2" | 29 ^h 07'27" | 7 ^h 17' | 5 ^h 20' | 24 ^h 48' | 2 ^h 22' | 15 ^h 19' | |

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SWISS EPHEMERIS for the year 1886
heliocentric

MARCH 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| M 1 | 10 34 53 | 10 ^h 21'31" | 10 ^h 29' | 25 ^h 0' | 16 ^h 40' | 13 ^h 28' | 29 ^h 31' | 7 ^h 19' | 5 ^h 21' | 24 ^h 49' | 2 ^h 22' | 15 ^h 20' |
| T 2 | 10 38 50 | 11°21'42" | 11°28' | 29°44' | 18°17' | 13°54' | 29°36' | 7°22' | 5°22' | 24°49' | 2°22' | 15°21' |
| W 3 | 10 42 46 | 12°21'50" | 12°27' | 4 ^h 37' | 19°55' | 14°21' | 29°40' | 7°24' | 5°23' | 24°49' | 2°23' | 15°22' |
| T 4 | 10 46 43 | 13°21'57" | 13°25' | 9°39' | 21°32' | 14°47' | 29°45' | 7°26' | 5°23' | 24°50' | 2°23' | 15°23' |
| F 5 | 10 50 39 | 14°22'03" | 14°24' | 14°50' | 23° 9' | 15°13' | 29°49' | 7°28' | 5°24' | 24°50' | 2°23' | 15°24' |
| S 6 | 10 54 36 | 15°22'06" | 15°22' | 20°11' | 24°47' | 15°40' | 29°54' | 7°31' | 5°25' | 24°50' | 2°23' | 15°26' |
| S 7 | 10 58 32 | 16°22'08" | 16°20' | 25°40' | 26°24' | 16° 6' | 29°58' | 7°33' | 5°26' | 24°51' | 2°23' | 15°27' |
| M 8 | 11 2 29 | 17°22'07" | 17°18' | 1 ^h 18' | 28° 1' | 16°32' | 0 ^h 3' | 7°35' | 5°26' | 24°51' | 2°23' | 15°28' |
| T 9 | 11 6 26 | 18°22'05" | 18°17' | 7° 4' | 29°38' | 16°59' | 0° 7' | 7°37' | 5°27' | 24°52' | 2°24' | 15°29' |
| W10 | 11 10 22 | 19°22'00" | 19°15' | 12°59' | 1 ^h 15' | 17°25' | 0°12' | 7°40' | 5°28' | 24°52' | 2°24' | 15°30' |
| T 11 | 11 14 19 | 20°21'54" | 20°14' | 19° 0' | 2°52' | 17°51' | 0°17' | 7°42' | 5°29' | 24°52' | 2°24' | 15°31' |
| F 12 | 11 18 15 | 21°21'45" | 21°13' | 25° 7' | 4°29' | 18°18' | 0°21' | 7°44' | 5°30' | 24°53' | 2°24' | 15°32' |
| S 13 | 11 22 12 | 22°21'34" | 22°13' | 1 ^h 19' | 6° 6' | 18°44' | 0°26' | 7°46' | 5°30' | 24°53' | 2°24' | 15°34' |
| S 14 | 11 26 8 | 23°21'21" | 23°13' | 7°35' | 7°43' | 19°10' | 0°30' | 7°49' | 5°31' | 24°53' | 2°24' | 15°35' |
| M15 | 11 30 5 | 24°21'05" | 24°13' | 13°53' | 9°20' | 19°37' | 0°35' | 7°51' | 5°32' | 24°54' | 2°24' | 15°36' |
| T 16 | 11 34 1 | 25°20'47" | 25°14' | 20°13' | 10°57' | 20° 3' | 0°39' | 7°53' | 5°33' | 24°54' | 2°25' | 15°37' |
| W17 | 11 37 58 | 26°20'27" | 26°15' | 26°31' | 12°34' | 20°30' | 0°44' | 7°55' | 5°33' | 24°54' | 2°25' | 15°38' |
| T 18 | 11 41 55 | 27°20'05" | 27°16' | 2 ^h 48' | 14°11' | 20°56' | 0°48' | 7°57' | 5°34' | 24°55' | 2°25' | 15°39' |
| F 19 | 11 45 51 | 28°19'40" | 28°17' | 9° 1' | 15°48' | 21°22' | 0°53' | 8° 0' | 5°35' | 24°55' | 2°25' | 15°41' |
| S 20 | 11 49 48 | 29°19'14" | 29°19' | 15° 9' | 17°24' | 21°49' | 0°57' | 8° 2' | 5°36' | 24°56' | 2°25' | 15°42' |
| S 21 | 11 53 44 | 0 ^h 18'45" | 0 ^h 20' | 21°11' | 19° 1' | 22°15' | 1° 2' | 8° 4' | 5°37' | 24°56' | 2°25' | 15°43' |
| M22 | 11 57 41 | 1°18'14" | 1°22' | 27° 6' | 20°38' | 22°42' | 1° 6' | 8° 6' | 5°37' | 24°56' | 2°26' | 15°44' |
| T 23 | 12 1 37 | 2°17'41" | 2°23' | 2 ^h 52' | 22°14' | 23° 8' | 1°11' | 8° 9' | 5°38' | 24°57' | 2°26' | 15°45' |
| W24 | 12 5 34 | 3°17'07" | 3°24' | 8°30' | 23°51' | 23°35' | 1°16' | 8°11' | 5°39' | 24°57' | 2°26' | 15°46' |
| T 25 | 12 9 30 | 4°16'31" | 4°24' | 13°59' | 25°27' | 24° 1' | 1°20' | 8°13' | 5°40' | 24°57' | 2°26' | 15°48' |
| F 26 | 12 13 27 | 5°15'53" | 5°25' | 19°18' | 27° 4' | 24°28' | 1°25' | 8°15' | 5°40' | 24°58' | 2°26' | 15°49' |
| S 27 | 12 17 23 | 6°15'13" | 6°24' | 24°28' | 28°40' | 24°54' | 1°29' | 8°18' | 5°41' | 24°58' | 2°26' | 15°50' |
| S 28 | 12 21 20 | 7°14'32" | 7°24' | 29°27' | 0 ^h 17' | 25°21' | 1°34' | 8°20' | 5°42' | 24°59' | 2°26' | 15°51' |
| M29 | 12 25 17 | 8°13'48" | 8°23' | 4 ^h 18' | 1°53' | 25°48' | 1°38' | 8°22' | 5°43' | 24°59' | 2°27' | 15°52' |
| T 30 | 12 29 13 | 9°13'03" | 9°21' | 8°59' | 3°29' | 26°14' | 1°43' | 8°24' | 5°44' | 24°59' | 2°27' | 15°53' |
| W31 | 12 33 10 | 10 ^h 12'16" | 10 ^h 20' | 13 ^h 31' | 5 ^h 6' | 26 ^h 41' | 1 ^h 47' | 8 ^h 27' | 5 ^h 44' | 25 ^h 0' | 2 ^h 27' | 15 ^h 55' |

Delta T = -5.70 sec.

APRIL 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|------------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| T 1 | 12 37 6 | 11 ^h 11'27" | 11 ^h 17' | 17 ^h 54' | 6 ^h 42' | 27 ^h 7' | 1 ^h 52' | 8 ^h 29' | 5 ^h 45' | 25 ^h 0' | 2 ^h 27' | 15 ^h 56' |
| F 2 | 12 41 3 | 12°10'37" | 12°15' | 22° 9' | 8°18' | 27°34' | 1°56' | 8°31' | 5°46' | 25° 0' | 2°27' | 15°57' |
| S 3 | 12 44 59 | 13° 9'44" | 13°13' | 26°16' | 9°54' | 28° 1' | 2° 1' | 8°33' | 5°47' | 25° 1' | 2°27' | 15°58' |
| S 4 | 12 48 56 | 14° 8'49" | 14°10' | 0 ^h 16' | 11°30' | 28°27' | 2° 5' | 8°36' | 5°47' | 25° 1' | 2°28' | 15°59' |
| M 5 | 12 52 52 | 15° 7'53" | 15° 7' | 4° 8' | 13° 6' | 28°54' | 2°10' | 8°38' | 5°48' | 25° 1' | 2°28' | 16° 0' |
| T 6 | 12 56 49 | 16° 6'54" | 16° 4' | 7°54' | 14°42' | 29°21' | 2°15' | 8°40' | 5°49' | 25° 2' | 2°28' | 16° 1' |
| W 7 | 13 0 46 | 17° 5'54" | 17° 2' | 11°34' | 16°18' | 29°47' | 2°19' | 8°42' | 5°50' | 25° 2' | 2°28' | 16° 3' |
| T 8 | 13 4 42 | 18° 4'51" | 17°59' | 15° 8' | 17°54' | 0 ^h 14' | 2°24' | 8°45' | 5°50' | 25° 3' | 2°28' | 16° 4' |
| F 9 | 13 8 39 | 19° 3'46" | 18°57' | 18°37' | 19°30' | 0°41' | 2°28' | 8°47' | 5°51' | 25° 3' | 2°28' | 16° 5' |
| S 10 | 13 12 35 | 20° 2'39" | 19°55' | 22° 1' | 21° 5' | 1° 8' | 2°33' | 8°49' | 5°52' | 25° 3' | 2°28' | 16° 6' |
| S 11 | 13 16 32 | 21° 1'29" | 20°53' | 25°20' | 22°41' | 1°35' | 2°37' | 8°51' | 5°53' | 25° 4' | 2°29' | 16° 7' |
| M12 | 13 20 28 | 22° 0'17" | 21°52' | 28°34' | 24°17' | 2° 1' | 2°42' | 8°53' | 5°54' | 25° 4' | 2°29' | 16° 8' |
| T 13 | 13 24 25 | 22°59'03" | 22°51' | 1 ^h 45' | 25°53' | 2°28' | 2°46' | 8°56' | 5°54' | 25° 4' | 2°29' | 16°10' |
| W14 | 13 28 21 | 23°57'47" | 23°50' | 4°53' | 27°28' | 2°55' | 2°51' | 8°58' | 5°55' | 25° 5' | 2°29' | 16°11' |
| T 15 | 13 32 18 | 24°56'28" | 24°50' | 7°57' | 29° 4' | 3°22' | 2°55' | 9° 0' | 5°56' | 25° 5' | 2°29' | 16°12' |
| F 16 | 13 36 15 | 25°55'07" | 25°50' | 10°58' | 0 ^h 39' | 3°49' | 3° 0' | 9° 2' | 5°57' | 25° 5' | 2°29' | 16°13' |
| S 17 | 13 40 11 | 26°53'44" | 26°51' | 13°56' | 2°15' | 4°16' | 3° 4' | 9° 5' | 5°57' | 25° 6' | 2°30' | 16°14' |
| S 18 | 13 44 8 | 27°52'19" | 27°51' | 16°52' | 3°50' | 4°43' | 3° 9' | 9° 7' | 5°58' | 25° 6' | 2°30' | 16°15' |
| M19 | 13 48 4 | 28°50'52" | 28°52' | 19°46' | 5°26' | 5°10' | 3°13' | 9° 9' | 5°59' | 25° 7' | 2°30' | 16°17' |
| T 20 | 13 52 1 | 29°49'23" | 29°52' | 22°37' | 7° 1' | 5°37' | 3°18' | 9°11' | 6° 0' | 25° 7' | 2°30' | 16°18' |
| W21 | 13 55 57 | 0 ^h 47'52" | 0 ^h 52' | 25°27' | 8°36' | 6° 4' | 3°23' | 9°14' | 6° 1' | 25° 7' | 2°30' | 16°19' |
| T 22 | 13 59 54 | 1°46'19" | 1°52' | 28°16' | 10°12' | 6°31' | 3°27' | 9°16' | 6° 1' | 25° 8' | 2°30' | 16°20' |
| F 23 | 14 3 50 | 2°44'45" | 2°52' | 1 ^h 4' | 11°47' | 6°58' | 3°32' | 9°18' | 6° 2' | 25° 8' | 2°30' | 16°21' |
| S 24 | 14 7 47 | 3°43'10" | 3°51' | 3°50' | 13°22' | 7°25' | 3°36' | 9°20' | 6° 3' | 25° 8' | 2°31' | 16°22' |
| S 25 | 14 11 44 | 4°41'32" | 4°50' | 6°36' | 14°58' | 7°52' | 3°41' | 9°23' | 6° 4' | 25° 9' | 2°31' | 16°24' |
| M26 | 14 15 40 | 5°39'53" | 5°49' | 9°21' | 16°33' | 8°19' | 3°45' | 9°25' | 6° 4' | 25° 9' | 2°31' | 16°25' |
| T 27 | 14 19 37 | 6°38'13" | 6°47' | 12° 6' | 18° 8' | 8°46' | 3°50' | 9°27' | 6° 5' | 25°10' | 2°31' | 16°26' |
| W28 | 14 23 33 | 7°36'31" | 7°45' | 14°51' | 19°43' | 9°13' | 3°54' | 9°29' | 6° 6' | 25°10' | 2°31' | 16°27' |
| T 29 | 14 27 30 | 8°34'47" | 8°43' | 17°35' | 21°18' | 9°41' | 3°59' | 9°32' | 6° 7' | 25°10' | 2°31' | 16°28' |
| F 30 | 14 31 26 | 9 ^h 33'02" | 9 ^h 40' | 20 ^h 20' | 22 ^h 53' | 10 ^h 8' | 4 ^h 3' | 9 ^h 34' | 6 ^h 8' | 25 ^h 11' | 2 ^h 32' | 16 ^h 30' |

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SWISS EPHEMERIS for the year 1886
heliocentric

MAY 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|----------|----------|-------|-------|-------|-------|------|-------|------|-------|-------|--------|
| S 1 | 14 35 23 | 10M31'15 | 10M37 | 23♂ 6 | 24♂28 | 10♁35 | 4♁ 8 | 9♁36 | 6♁ 8 | 25♂11 | 2II32 | 16II31 |
| S 2 | 14 39 19 | 11°29'27 | 11°33 | 25°52 | 26° 3 | 11° 2 | 4°12 | 9°38 | 6° 9 | 25°11 | 2°32 | 16°32 |
| M 3 | 14 43 16 | 12°27'37 | 12°30 | 28°39 | 27°38 | 11°30 | 4°17 | 9°41 | 6°10 | 25°12 | 2°32 | 16°33 |
| T 4 | 14 47 12 | 13°25'45 | 13°26 | 1♁27 | 29°13 | 11°57 | 4°21 | 9°43 | 6°11 | 25°12 | 2°32 | 16°34 |
| W 5 | 14 51 9 | 14°23'52 | 14°22 | 4°16 | 0♁48 | 12°24 | 4°26 | 9°45 | 6°11 | 25°12 | 2°32 | 16°35 |
| T 6 | 14 55 6 | 15°21'57 | 15°19 | 7° 7 | 2°23 | 12°52 | 4°31 | 9°47 | 6°12 | 25°13 | 2°33 | 16°37 |
| F 7 | 14 59 2 | 16°20'00 | 16°15 | 9°59 | 3°58 | 13°19 | 4°35 | 9°49 | 6°13 | 25°13 | 2°33 | 16°38 |
| S 8 | 15 2 59 | 17°18'02 | 17°12 | 12°54 | 5°33 | 13°47 | 4°40 | 9°52 | 6°14 | 25°14 | 2°33 | 16°39 |
| S 9 | 15 6 55 | 18°16'02 | 18° 9 | 15°51 | 7° 8 | 14°14 | 4°44 | 9°54 | 6°14 | 25°14 | 2°33 | 16°40 |
| M10 | 15 10 52 | 19°14'00 | 19° 6 | 18°50 | 8°43 | 14°41 | 4°49 | 9°56 | 6°15 | 25°14 | 2°33 | 16°41 |
| T 11 | 15 14 48 | 20°11'56 | 20° 4 | 21°52 | 10°18 | 15° 9 | 4°53 | 9°58 | 6°16 | 25°15 | 2°33 | 16°42 |
| W12 | 15 18 45 | 21° 9'50 | 21° 2 | 24°56 | 11°53 | 15°37 | 4°58 | 10° 1 | 6°17 | 25°15 | 2°33 | 16°44 |
| T 13 | 15 22 41 | 22° 7'42 | 22° 0 | 28° 4 | 13°28 | 16° 4 | 5° 2 | 10° 3 | 6°18 | 25°15 | 2°34 | 16°45 |
| F 14 | 15 26 38 | 23° 5'33 | 22°59 | 1♁16 | 15° 3 | 16°32 | 5° 7 | 10° 5 | 6°18 | 25°16 | 2°34 | 16°46 |
| S 15 | 15 30 35 | 24° 3'22 | 23°58 | 4°31 | 16°37 | 16°59 | 5°11 | 10° 7 | 6°19 | 25°16 | 2°34 | 16°47 |
| S 16 | 15 34 31 | 25° 1'09 | 24°57 | 7°51 | 18°12 | 17°27 | 5°16 | 10°10 | 6°20 | 25°16 | 2°34 | 16°48 |
| M17 | 15 38 28 | 25°58'54 | 25°57 | 11°14 | 19°47 | 17°55 | 5°20 | 10°12 | 6°21 | 25°17 | 2°34 | 16°49 |
| T 18 | 15 42 24 | 26°56'39 | 26°56 | 14°43 | 21°22 | 18°22 | 5°25 | 10°14 | 6°21 | 25°17 | 2°34 | 16°51 |
| W19 | 15 46 21 | 27°54'22 | 27°56 | 18°17 | 22°57 | 18°50 | 5°30 | 10°16 | 6°22 | 25°18 | 2°35 | 16°52 |
| T 20 | 15 50 17 | 28°52'03 | 28°56 | 21°56 | 24°32 | 19°18 | 5°34 | 10°19 | 6°23 | 25°18 | 2°35 | 16°53 |
| F 21 | 15 54 14 | 29°49'44 | 29°55 | 25°41 | 26° 6 | 19°46 | 5°39 | 10°21 | 6°24 | 25°18 | 2°35 | 16°54 |
| S 22 | 15 58 10 | 0♁47'23 | 0♁54 | 29°32 | 27°41 | 20°14 | 5°43 | 10°23 | 6°25 | 25°19 | 2°35 | 16°55 |
| S 23 | 16 2 7 | 1°45'01 | 1°53 | 3♁29 | 29°16 | 20°42 | 5°48 | 10°25 | 6°25 | 25°19 | 2°35 | 16°57 |
| M24 | 16 6 4 | 2°42'38 | 2°51 | 7°34 | 0♁51 | 21°10 | 5°52 | 10°28 | 6°26 | 25°19 | 2°35 | 16°58 |
| T 25 | 16 10 0 | 3°40'14 | 3°49 | 11°46 | 2°26 | 21°37 | 5°57 | 10°30 | 6°27 | 25°20 | 2°35 | 16°59 |
| W26 | 16 13 57 | 4°37'49 | 4°47 | 16° 5 | 4° 1 | 22° 5 | 6° 1 | 10°32 | 6°28 | 25°20 | 2°36 | 17° 0 |
| T 27 | 16 17 53 | 5°35'24 | 5°44 | 20°33 | 5°36 | 22°33 | 6° 6 | 10°34 | 6°28 | 25°21 | 2°36 | 17° 1 |
| F 28 | 16 21 50 | 6°32'57 | 6°41 | 25° 9 | 7°10 | 23° 2 | 6°10 | 10°37 | 6°29 | 25°21 | 2°36 | 17° 2 |
| S 29 | 16 25 46 | 7°30'30 | 7°38 | 29°53 | 8°45 | 23°30 | 6°15 | 10°39 | 6°30 | 25°21 | 2°36 | 17° 4 |
| S 30 | 16 29 43 | 8°28'01 | 8°34 | 4♁46 | 10°20 | 23°58 | 6°19 | 10°41 | 6°31 | 25°22 | 2°36 | 17° 5 |
| MB1 | 16 33 39 | 9♁25'32 | 9♁30 | 9♁49 | 11♁55 | 24♁26 | 6♁24 | 10♁43 | 6♁32 | 25♁22 | 2II36 | 17II 6 |

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JUNE 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|----------|----------|-------|-------|-------|-------|------|-------|------|-------|-------|--------|
| T 1 | 16 37 36 | 10♁23'02 | 10♁26 | 15♁ 0 | 13♁30 | 24♁54 | 6♁28 | 10♁45 | 6♁32 | 25♁22 | 2II37 | 17II 7 |
| W 2 | 16 41 33 | 11°20'31 | 11°22 | 20°21 | 15° 5 | 25°22 | 6°33 | 10°48 | 6°33 | 25°23 | 2°37 | 17° 8 |
| T 3 | 16 45 29 | 12°17'59 | 12°17 | 25°50 | 16°40 | 25°51 | 6°37 | 10°50 | 6°34 | 25°23 | 2°37 | 17°10 |
| F 4 | 16 49 26 | 13°15'27 | 13°13 | 1♁28 | 18°15 | 26°19 | 6°42 | 10°52 | 6°35 | 25°23 | 2°37 | 17°11 |
| S 5 | 16 53 22 | 14°12'53 | 14° 8 | 7°15 | 19°50 | 26°47 | 6°47 | 10°54 | 6°35 | 25°24 | 2°37 | 17°12 |
| S 6 | 16 57 19 | 15°10'18 | 15° 4 | 13° 9 | 21°25 | 27°16 | 6°51 | 10°57 | 6°36 | 25°24 | 2°37 | 17°13 |
| M 7 | 17 1 15 | 16° 7'42 | 16° 1 | 19°11 | 23° 0 | 27°44 | 6°56 | 10°59 | 6°37 | 25°25 | 2°38 | 17°14 |
| T 8 | 17 5 12 | 17° 5'05 | 16°57 | 25°18 | 24°35 | 28°12 | 7° 0 | 11° 1 | 6°38 | 25°25 | 2°38 | 17°16 |
| W 9 | 17 9 9 | 18° 2'27 | 17°54 | 1II30 | 26°10 | 28°41 | 7° 5 | 11° 3 | 6°39 | 25°25 | 2°38 | 17°17 |
| T 10 | 17 13 5 | 18°59'48 | 18°51 | 7°47 | 27°45 | 29° 9 | 7° 9 | 11° 6 | 6°39 | 25°26 | 2°38 | 17°18 |
| F 11 | 17 17 2 | 19°57'08 | 19°49 | 14° 5 | 29°20 | 29°38 | 7°14 | 11° 8 | 6°40 | 25°26 | 2°38 | 17°19 |
| S 12 | 17 20 58 | 20°54'27 | 20°47 | 20°24 | 0♁55 | 0M 7 | 7°18 | 11°10 | 6°41 | 25°26 | 2°38 | 17°20 |
| S 13 | 17 24 55 | 21°51'44 | 21°46 | 26°43 | 2°30 | 0°35 | 7°23 | 11°12 | 6°42 | 25°27 | 2°38 | 17°21 |
| M14 | 17 28 51 | 22°49'01 | 22°45 | 2♁59 | 4° 5 | 1° 4 | 7°27 | 11°15 | 6°42 | 25°27 | 2°39 | 17°23 |
| T 15 | 17 32 48 | 23°46'18 | 23°44 | 9°12 | 5°40 | 1°33 | 7°32 | 11°17 | 6°43 | 25°27 | 2°39 | 17°24 |
| W16 | 17 36 44 | 24°43'33 | 24°43 | 15°20 | 7°15 | 2° 1 | 7°36 | 11°19 | 6°44 | 25°28 | 2°39 | 17°25 |
| T 17 | 17 40 41 | 25°40'49 | 25°42 | 21°22 | 8°50 | 2°30 | 7°41 | 11°21 | 6°45 | 25°28 | 2°39 | 17°26 |
| F 18 | 17 44 38 | 26°38'03 | 26°41 | 27°16 | 10°25 | 2°59 | 7°45 | 11°24 | 6°45 | 25°29 | 2°39 | 17°27 |
| S 19 | 17 48 34 | 27°35'18 | 27°39 | 3♁ 3 | 12° 1 | 3°28 | 7°50 | 11°26 | 6°46 | 25°29 | 2°39 | 17°29 |
| S 20 | 17 52 31 | 28°32'31 | 28°38 | 8°40 | 13°36 | 3°57 | 7°55 | 11°28 | 6°47 | 25°29 | 2°40 | 17°30 |
| M21 | 17 56 27 | 29°29'45 | 29°37 | 14° 9 | 15°11 | 4°26 | 7°59 | 11°30 | 6°48 | 25°30 | 2°40 | 17°31 |
| T 22 | 18 0 24 | 0♁26'58 | 0♁35 | 19°28 | 16°46 | 4°55 | 8° 4 | 11°33 | 6°49 | 25°30 | 2°40 | 17°32 |
| W23 | 18 4 20 | 1°24'12 | 1°33 | 24°37 | 18°22 | 5°24 | 8° 8 | 11°35 | 6°49 | 25°30 | 2°40 | 17°33 |
| T 24 | 18 8 17 | 2°21'25 | 2°30 | 29°37 | 19°57 | 5°53 | 8°13 | 11°37 | 6°50 | 25°31 | 2°40 | 17°35 |
| F 25 | 18 12 13 | 3°18'38 | 3°28 | 4♁27 | 21°32 | 6°22 | 8°17 | 11°39 | 6°51 | 25°31 | 2°40 | 17°36 |
| S 26 | 18 16 10 | 4°15'51 | 4°24 | 9° 7 | 23° 7 | 6°51 | 8°22 | 11°41 | 6°52 | 25°32 | 2°40 | 17°37 |
| S 27 | 18 20 7 | 5°13'04 | 5°21 | 13°39 | 24°43 | 7°20 | 8°26 | 11°44 | 6°52 | 25°32 | 2°41 | 17°38 |
| M28 | 18 24 3 | 6°10'17 | 6°17 | 18° 2 | 26°18 | 7°50 | 8°31 | 11°46 | 6°53 | 25°32 | 2°41 | 17°39 |
| T 29 | 18 28 0 | 7° 7'31 | 7°13 | 22°17 | 27°54 | 8°19 | 8°35 | 11°48 | 6°54 | 25°33 | 2°41 | 17°40 |
| W30 | 18 31 56 | 8♁ 4'44 | 8♁ 8 | 26♁24 | 29♁29 | 8M48 | 8♁40 | 11♁50 | 6♁55 | 25♁33 | 2II41 | 17II42 |

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SWISS EPHEMERIS for the year 1886
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JULY 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|
| T 1 | 18 35 53 | 9♁1'58 | 9♁4 | 0♁23 | 1♃4 | 9♁18 | 8♁44 | 11♁53 | 6♁56 | 25♁33 | 2♁41 | 17♁43 |
| F 2 | 18 39 49 | 9°59'11 | 9°59 | 4°16 | 2°40 | 9°47 | 8°49 | 11°55 | 6°56 | 25°34 | 2°41 | 17°44 |
| S 3 | 18 43 46 | 10°56'25 | 10°54 | 8° 1 | 4°15 | 10°17 | 8°53 | 11°57 | 6°57 | 25°34 | 2°42 | 17°45 |
| S 4 | 18 47 42 | 11°53'38 | 11°50 | 11°41 | 5°51 | 10°46 | 8°58 | 11°59 | 6°58 | 25°34 | 2°42 | 17°46 |
| M 5 | 18 51 39 | 12°50'52 | 12°45 | 15°15 | 7°27 | 11°16 | 9° 3 | 12° 2 | 6°59 | 25°35 | 2°42 | 17°48 |
| T 6 | 18 55 36 | 13°48'05 | 13°41 | 18°43 | 9° 2 | 11°45 | 9° 7 | 12° 4 | 6°59 | 25°35 | 2°42 | 17°49 |
| W 7 | 18 59 32 | 14°45'17 | 14°37 | 22° 7 | 10°38 | 12°15 | 9°12 | 12° 6 | 7° 0 | 25°36 | 2°42 | 17°50 |
| T 8 | 19 3 29 | 15°42'30 | 15°34 | 25°26 | 12°13 | 12°45 | 9°16 | 12° 8 | 7° 1 | 25°36 | 2°42 | 17°51 |
| F 9 | 19 7 25 | 16°39'43 | 16°31 | 28°40 | 13°49 | 13°14 | 9°21 | 12°11 | 7° 2 | 25°36 | 2°43 | 17°52 |
| S 10 | 19 11 22 | 17°36'55 | 17°29 | 1♁51 | 15°25 | 13°44 | 9°25 | 12°13 | 7° 3 | 25°37 | 2°43 | 17°54 |
| S 11 | 19 15 18 | 18°34'07 | 18°27 | 4°58 | 17° 0 | 14°14 | 9°30 | 12°15 | 7° 3 | 25°37 | 2°43 | 17°55 |
| M12 | 19 19 15 | 19°31'20 | 19°25 | 8° 2 | 18°36 | 14°44 | 9°34 | 12°17 | 7° 4 | 25°37 | 2°43 | 17°56 |
| T 13 | 19 23 11 | 20°28'32 | 20°23 | 11° 3 | 20°12 | 15°14 | 9°39 | 12°20 | 7° 5 | 25°38 | 2°43 | 17°57 |
| W14 | 19 27 8 | 21°25'45 | 21°22 | 14° 1 | 21°48 | 15°44 | 9°43 | 12°22 | 7° 6 | 25°38 | 2°43 | 17°58 |
| T 15 | 19 31 5 | 22°22'58 | 22°21 | 16°57 | 23°23 | 16°14 | 9°48 | 12°24 | 7° 6 | 25°39 | 2°43 | 18° 0 |
| F 16 | 19 35 1 | 23°20'11 | 23°20 | 19°51 | 24°59 | 16°44 | 9°52 | 12°26 | 7° 7 | 25°39 | 2°44 | 18° 1 |
| S 17 | 19 38 58 | 24°17'25 | 24°19 | 22°43 | 26°35 | 17°14 | 9°57 | 12°28 | 7° 8 | 25°39 | 2°44 | 18° 2 |
| S 18 | 19 42 54 | 25°14'39 | 25°18 | 25°33 | 28°11 | 17°44 | 10° 1 | 12°31 | 7° 9 | 25°40 | 2°44 | 18° 3 |
| M19 | 19 46 51 | 26°11'54 | 26°17 | 28°22 | 29°47 | 18°15 | 10° 6 | 12°33 | 7°10 | 25°40 | 2°44 | 18° 4 |
| T 20 | 19 50 47 | 27° 9'09 | 27°15 | 1♁9 | 1♁23 | 18°45 | 10°10 | 12°35 | 7°10 | 25°40 | 2°44 | 18° 6 |
| W21 | 19 54 44 | 28° 6'25 | 28°14 | 3°56 | 2°59 | 19°15 | 10°15 | 12°37 | 7°11 | 25°41 | 2°44 | 18° 7 |
| T 22 | 19 58 40 | 29° 3'42 | 29°12 | 6°41 | 4°35 | 19°46 | 10°20 | 12°40 | 7°12 | 25°41 | 2°45 | 18° 8 |
| F 23 | 20 2 37 | 0♁1'00 | 0♁10 | 9°26 | 6°11 | 20°16 | 10°24 | 12°42 | 7°13 | 25°41 | 2°45 | 18° 9 |
| S 24 | 20 6 34 | 0°58'18 | 1° 7 | 12°11 | 7°47 | 20°46 | 10°29 | 12°44 | 7°13 | 25°42 | 2°45 | 18°10 |
| S 25 | 20 10 30 | 1°55'38 | 2° 4 | 14°56 | 9°23 | 21°17 | 10°33 | 12°46 | 7°14 | 25°42 | 2°45 | 18°12 |
| M26 | 20 14 27 | 2°52'58 | 3° 1 | 17°40 | 10°59 | 21°47 | 10°38 | 12°49 | 7°15 | 25°43 | 2°45 | 18°13 |
| T 27 | 20 18 23 | 3°50'20 | 3°58 | 20°25 | 12°35 | 22°18 | 10°42 | 12°51 | 7°16 | 25°43 | 2°45 | 18°14 |
| W28 | 20 22 20 | 4°47'42 | 4°54 | 23°11 | 14°11 | 22°49 | 10°47 | 12°53 | 7°16 | 25°43 | 2°45 | 18°15 |
| T 29 | 20 26 16 | 5°45'06 | 5°49 | 25°57 | 15°47 | 23°20 | 10°51 | 12°55 | 7°17 | 25°44 | 2°46 | 18°16 |
| F 30 | 20 30 13 | 6°42'31 | 6°45 | 28°44 | 17°24 | 23°50 | 10°56 | 12°58 | 7°18 | 25°44 | 2°46 | 18°18 |
| S 31 | 20 34 9 | 7♁39'56 | 7♁40 | 1♁32 | 19♁0 | 24♁21 | 11♁0 | 13♁0 | 7♁19 | 25♁44 | 2♁46 | 18♁19 |

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AUGUST 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|
| S 1 | 20 38 6 | 8♁37'23 | 8♁36 | 4♁21 | 20♁36 | 24♁52 | 11♁5 | 13♁2 | 7♁20 | 25♁45 | 2♁46 | 18♁20 |
| M 2 | 20 42 3 | 9°34'50 | 9°31 | 7°12 | 22°12 | 25°23 | 11° 9 | 13° 4 | 7°20 | 25°45 | 2°46 | 18°21 |
| T 3 | 20 45 59 | 10°32'18 | 10°27 | 10° 5 | 23°49 | 25°54 | 11°14 | 13° 7 | 7°21 | 25°45 | 2°46 | 18°22 |
| W 4 | 20 49 56 | 11°29'47 | 11°23 | 12°59 | 25°25 | 26°25 | 11°18 | 13° 9 | 7°22 | 25°46 | 2°47 | 18°24 |
| T 5 | 20 53 52 | 12°27'16 | 12°20 | 15°56 | 27° 1 | 26°56 | 11°23 | 13°11 | 7°23 | 25°46 | 2°47 | 18°25 |
| F 6 | 20 57 49 | 13°24'46 | 13°16 | 18°55 | 28°38 | 27°27 | 11°27 | 13°13 | 7°23 | 25°47 | 2°47 | 18°26 |
| S 7 | 21 1 45 | 14°22'17 | 14°14 | 21°57 | 0♁14 | 27°58 | 11°32 | 13°15 | 7°24 | 25°47 | 2°47 | 18°27 |
| S 8 | 21 5 42 | 15°19'49 | 15°11 | 25° 2 | 1°51 | 28°30 | 11°37 | 13°18 | 7°25 | 25°47 | 2°47 | 18°28 |
| M 9 | 21 9 38 | 16°17'22 | 16° 9 | 28°10 | 3°27 | 29° 1 | 11°41 | 13°20 | 7°26 | 25°48 | 2°47 | 18°30 |
| T 10 | 21 13 35 | 17°14'55 | 17° 8 | 1♁22 | 5° 4 | 29°32 | 11°46 | 13°22 | 7°27 | 25°48 | 2°48 | 18°31 |
| W11 | 21 17 32 | 18°12'30 | 18° 7 | 4°37 | 6°40 | 0♁4 | 11°50 | 13°24 | 7°27 | 25°48 | 2°48 | 18°32 |
| T 12 | 21 21 28 | 19°10'05 | 19° 5 | 7°57 | 8°17 | 0°35 | 11°55 | 13°27 | 7°28 | 25°49 | 2°48 | 18°33 |
| F 13 | 21 25 25 | 20° 7'42 | 20° 5 | 11°21 | 9°54 | 1° 7 | 11°59 | 13°29 | 7°29 | 25°49 | 2°48 | 18°34 |
| S 14 | 21 29 21 | 21° 5'20 | 21° 4 | 14°50 | 11°30 | 1°38 | 12° 4 | 13°31 | 7°30 | 25°50 | 2°48 | 18°36 |
| S 15 | 21 33 18 | 22° 2'59 | 22° 3 | 18°23 | 13° 7 | 2°10 | 12° 8 | 13°33 | 7°30 | 25°50 | 2°48 | 18°37 |
| M16 | 21 37 14 | 23° 0'39 | 23° 3 | 22° 3 | 14°44 | 2°42 | 12°13 | 13°36 | 7°31 | 25°50 | 2°48 | 18°38 |
| T 17 | 21 41 11 | 23°58'20 | 24° 2 | 25°48 | 16°20 | 3°13 | 12°17 | 13°38 | 7°32 | 25°51 | 2°49 | 18°39 |
| W18 | 21 45 7 | 24°56'03 | 25° 1 | 29°39 | 17°57 | 3°45 | 12°22 | 13°40 | 7°33 | 25°51 | 2°49 | 18°41 |
| T 19 | 21 49 4 | 25°53'48 | 26° 0 | 3♁37 | 19°34 | 4°17 | 12°26 | 13°42 | 7°34 | 25°51 | 2°49 | 18°42 |
| F 20 | 21 53 0 | 26°51'34 | 26°59 | 7°42 | 21°11 | 4°49 | 12°31 | 13°45 | 7°34 | 25°52 | 2°49 | 18°43 |
| S 21 | 21 56 57 | 27°49'22 | 27°58 | 11°54 | 22°48 | 5°21 | 12°35 | 13°47 | 7°35 | 25°52 | 2°49 | 18°44 |
| S 22 | 22 0 54 | 28°47'11 | 28°56 | 16°14 | 24°24 | 5°53 | 12°40 | 13°49 | 7°36 | 25°52 | 2°49 | 18°45 |
| M23 | 22 4 50 | 29°45'02 | 29°54 | 20°41 | 26° 1 | 6°25 | 12°44 | 13°51 | 7°37 | 25°53 | 2°50 | 18°47 |
| T 24 | 22 8 47 | 0♁42'55 | 0♁51 | 25°17 | 27°38 | 6°57 | 12°49 | 13°53 | 7°37 | 25°53 | 2°50 | 18°48 |
| W25 | 22 12 43 | 1°40'50 | 1°48 | 0♁2 | 29°15 | 7°29 | 12°54 | 13°56 | 7°38 | 25°54 | 2°50 | 18°49 |
| T 26 | 22 16 40 | 2°38'47 | 2°45 | 4°56 | 0♁52 | 8° 1 | 12°58 | 13°58 | 7°39 | 25°54 | 2°50 | 18°50 |
| F 27 | 22 20 36 | 3°36'46 | 3°42 | 9°58 | 2°29 | 8°34 | 13° 3 | 14° 0 | 7°40 | 25°54 | 2°50 | 18°51 |
| S 28 | 22 24 33 | 4°34'46 | 4°38 | 15°10 | 4° 6 | 9° 6 | 13° 7 | 14° 2 | 7°40 | 25°55 | 2°50 | 18°53 |
| S 29 | 22 28 29 | 5°32'48 | 5°34 | 20°31 | 5°43 | 9°38 | 13°12 | 14° 5 | 7°41 | 25°55 | 2°50 | 18°54 |
| M30 | 22 32 26 | 6°30'51 | 6°30 | 26° 1 | 7°21 | 10°11 | 13°16 | 14° 7 | 7°42 | 25°55 | 2°51 | 18°55 |
| T 31 | 22 36 23 | 7♁28'57 | 7♁26 | 1♁39 | 8♁58 | 10♁43 | 13♁21 | 14♁9 | 7♁43 | 25♁56 | 2♁51 | 18♁56 |

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SEPTEMBER 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|----------|----------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|
| W 1 | 22 40 19 | 8 ^h 27'03 | 8 ^h 22 | 7 ^h 26 | 10 ^h 35 | 11 ^h 16 | 13 ^h 25 | 14 ^h 11 | 7 ^h 44 | 25 ^h 56 | 2 ^h 51 | 18 ^h 57 |
| T 2 | 22 44 16 | 9°25'11 | 9°19 | 13°21 | 12°12 | 11°49 | 13°30 | 14°14 | 7°44 | 25°56 | 2°51 | 18°59 |
| F 3 | 22 48 12 | 10°23'21 | 10°16 | 19°22 | 13°49 | 12°21 | 13°34 | 14°16 | 7°45 | 25°57 | 2°51 | 19° 0 |
| S 4 | 22 52 9 | 11°21'32 | 11°13 | 25°30 | 15°27 | 12°54 | 13°39 | 14°18 | 7°46 | 25°57 | 2°51 | 19° 1 |
| S 5 | 22 56 5 | 12°19'45 | 12°11 | 1 ^h 42 | 17° 4 | 13°27 | 13°43 | 14°20 | 7°47 | 25°58 | 2°52 | 19° 2 |
| M 6 | 23 0 2 | 13°17'59 | 13° 9 | 7°58 | 18°41 | 14° 0 | 13°48 | 14°23 | 7°47 | 25°58 | 2°52 | 19° 4 |
| T 7 | 23 3 58 | 14°16'15 | 14° 8 | 14°17 | 20°18 | 14°33 | 13°52 | 14°25 | 7°48 | 25°58 | 2°52 | 19° 5 |
| W 8 | 23 7 55 | 15°14'32 | 15° 7 | 20°36 | 21°56 | 15° 6 | 13°57 | 14°27 | 7°49 | 25°59 | 2°52 | 19° 6 |
| T 9 | 23 11 52 | 16°12'50 | 16° 6 | 26°55 | 23°33 | 15°39 | 14° 1 | 14°29 | 7°50 | 25°59 | 2°52 | 19° 7 |
| F 10 | 23 15 48 | 17°11'11 | 17° 6 | 3 ^h 11 | 25°10 | 16°12 | 14° 6 | 14°32 | 7°51 | 25°59 | 2°52 | 19° 8 |
| S 11 | 23 19 45 | 18° 9'33 | 18° 5 | 9°24 | 26°48 | 16°45 | 14°11 | 14°34 | 7°51 | 26° 0 | 2°52 | 19°10 |
| S 12 | 23 23 41 | 19° 7'56 | 19° 5 | 15°31 | 28°25 | 17°18 | 14°15 | 14°36 | 7°52 | 26° 0 | 2°53 | 19°11 |
| M13 | 23 27 38 | 20° 6'22 | 20° 6 | 21°33 | 0 ^h 3 | 17°51 | 14°20 | 14°38 | 7°53 | 26° 1 | 2°53 | 19°12 |
| T 14 | 23 31 34 | 21° 4'49 | 21° 6 | 27°27 | 1°40 | 18°25 | 14°24 | 14°40 | 7°54 | 26° 1 | 2°53 | 19°13 |
| W15 | 23 35 31 | 22° 3'18 | 22° 6 | 3 ^h 13 | 3°18 | 18°58 | 14°29 | 14°43 | 7°54 | 26° 1 | 2°53 | 19°15 |
| T 16 | 23 39 27 | 23° 1'49 | 23° 6 | 8°51 | 4°55 | 19°31 | 14°33 | 14°45 | 7°55 | 26° 2 | 2°53 | 19°16 |
| F 17 | 23 43 24 | 24° 0'22 | 24° 6 | 14°19 | 6°32 | 20° 5 | 14°38 | 14°47 | 7°56 | 26° 2 | 2°53 | 19°17 |
| S 18 | 23 47 21 | 24°58'58 | 25° 6 | 19°37 | 8°10 | 20°38 | 14°42 | 14°49 | 7°57 | 26° 2 | 2°54 | 19°18 |
| S 19 | 23 51 17 | 25°57'35 | 26° 5 | 24°46 | 9°47 | 21°12 | 14°47 | 14°52 | 7°57 | 26° 3 | 2°54 | 19°19 |
| M20 | 23 55 14 | 26°56'15 | 27° 5 | 29°46 | 11°25 | 21°46 | 14°51 | 14°54 | 7°58 | 26° 3 | 2°54 | 19°21 |
| T 21 | 23 59 10 | 27°54'57 | 28° 4 | 4 ^h 36 | 13° 3 | 22°19 | 14°56 | 14°56 | 7°59 | 26° 3 | 2°54 | 19°22 |
| W22 | 0 3 7 | 28°53'41 | 29° 2 | 9°16 | 14°40 | 22°53 | 15° 0 | 14°58 | 8° 0 | 26° 4 | 2°54 | 19°23 |
| T 23 | 0 7 3 | 29°52'28 | 0 ^h 0 | 13°47 | 16°18 | 23°27 | 15° 5 | 15° 1 | 8° 1 | 26° 4 | 2°54 | 19°24 |
| F 24 | 0 11 0 | 0 ^h 51'17 | 0°58 | 18°10 | 17°55 | 24° 1 | 15° 9 | 15° 3 | 8° 1 | 26° 5 | 2°54 | 19°25 |
| S 25 | 0 14 56 | 1°50'08 | 1°56 | 22°25 | 19°33 | 24°35 | 15°14 | 15° 5 | 8° 2 | 26° 5 | 2°55 | 19°27 |
| S 26 | 0 18 53 | 2°49'01 | 2°53 | 26°31 | 21°10 | 25° 9 | 15°18 | 15° 7 | 8° 3 | 26° 5 | 2°55 | 19°28 |
| M27 | 0 22 49 | 3°47'56 | 3°50 | 0 ^h 31 | 22°48 | 25°43 | 15°23 | 15°10 | 8° 4 | 26° 6 | 2°55 | 19°29 |
| T 28 | 0 26 46 | 4°46'54 | 4°47 | 4°23 | 24°25 | 26°17 | 15°28 | 15°12 | 8° 4 | 26° 6 | 2°55 | 19°30 |
| W29 | 0 30 43 | 5°45'53 | 5°44 | 8° 8 | 26° 3 | 26°51 | 15°32 | 15°14 | 8° 5 | 26° 6 | 2°55 | 19°32 |
| T 30 | 0 34 39 | 6°44'55 | 6°41 | 11 ^h 48 | 27 ^h 40 | 27 ^h 25 | 15 ^h 37 | 15 ^h 16 | 8 ^h 6 | 26 ^h 7 | 2 ^h 55 | 19 ^h 33 |

Delta T = -5.69 sec.

OCTOBER 1886

00:00 UT

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

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SWISS EPHEMERIS for the year 1886
heliocentric

NOVEMBER 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|
| M 1 | 2 40 49 | 8♃30'51 | 8♃23 | 16♃2 | 19♃31 | 16♃10 | 18♃2 | 16♃28 | 8♃31 | 26♃18 | 3♁0 | 20♁12 |
| T 2 | 2 44 45 | 9°30'57 | 9°22 | 19° 1 | 21° 7 | 16°46 | 18° 6 | 16°30 | 8°32 | 26°19 | 3° 1 | 20°13 |
| W 3 | 2 48 42 | 10°31'06 | 10°22 | 22° 3 | 22°44 | 17°22 | 18°11 | 16°32 | 8°32 | 26°19 | 3° 1 | 20°15 |
| T 4 | 2 52 39 | 11°31'15 | 11°22 | 25° 8 | 24°20 | 17°58 | 18°15 | 16°34 | 8°33 | 26°20 | 3° 1 | 20°16 |
| F 5 | 2 56 35 | 12°31'27 | 12°22 | 28°16 | 25°57 | 18°34 | 18°20 | 16°37 | 8°34 | 26°20 | 3° 1 | 20°17 |
| S 6 | 3 0 32 | 13°31'39 | 13°23 | 1♃28 | 27°33 | 19°10 | 18°24 | 16°39 | 8°35 | 26°20 | 3° 1 | 20°18 |
| S 7 | 3 4 28 | 14°31'53 | 14°24 | 4°44 | 29°10 | 19°47 | 18°29 | 16°41 | 8°35 | 26°21 | 3° 1 | 20°20 |
| M 8 | 3 8 25 | 15°32'09 | 15°26 | 8° 3 | 0♁46 | 20°23 | 18°33 | 16°43 | 8°36 | 26°21 | 3° 1 | 20°21 |
| T 9 | 3 12 21 | 16°32'27 | 16°27 | 11°27 | 2°22 | 20°59 | 18°38 | 16°46 | 8°37 | 26°21 | 3° 2 | 20°22 |
| W10 | 3 16 18 | 17°32'45 | 17°29 | 14°56 | 3°59 | 21°36 | 18°42 | 16°48 | 8°38 | 26°22 | 3° 2 | 20°23 |
| T 11 | 3 20 14 | 18°33'06 | 18°32 | 18°30 | 5°35 | 22°12 | 18°47 | 16°50 | 8°38 | 26°22 | 3° 2 | 20°25 |
| F 12 | 3 24 11 | 19°33'28 | 19°34 | 22°10 | 7°11 | 22°49 | 18°51 | 16°52 | 8°39 | 26°22 | 3° 2 | 20°26 |
| S 13 | 3 28 7 | 20°33'52 | 20°36 | 25°55 | 8°47 | 23°25 | 18°56 | 16°55 | 8°40 | 26°23 | 3° 2 | 20°27 |
| S 14 | 3 32 4 | 21°34'17 | 21°38 | 29°46 | 10°23 | 24° 2 | 19° 0 | 16°57 | 8°41 | 26°23 | 3° 2 | 20°28 |
| M15 | 3 36 1 | 22°34'45 | 22°40 | 3♁45 | 11°59 | 24°38 | 19° 5 | 16°59 | 8°42 | 26°24 | 3° 3 | 20°29 |
| T 16 | 3 39 57 | 23°35'14 | 23°42 | 7°50 | 13°35 | 25°15 | 19°10 | 17° 1 | 8°42 | 26°24 | 3° 3 | 20°31 |
| W17 | 3 43 54 | 24°35'45 | 24°44 | 12° 2 | 15°11 | 25°52 | 19°14 | 17° 3 | 8°43 | 26°24 | 3° 3 | 20°32 |
| T 18 | 3 47 50 | 25°36'18 | 25°45 | 16°22 | 16°47 | 26°28 | 19°19 | 17° 6 | 8°44 | 26°25 | 3° 3 | 20°33 |
| F 19 | 3 51 47 | 26°36'52 | 26°45 | 20°50 | 18°23 | 27° 5 | 19°23 | 17° 8 | 8°45 | 26°25 | 3° 3 | 20°34 |
| S 20 | 3 55 43 | 27°37'28 | 27°46 | 25°26 | 19°59 | 27°42 | 19°28 | 17°10 | 8°45 | 26°25 | 3° 3 | 20°36 |
| S 21 | 3 59 40 | 28°38'06 | 28°46 | 0♁11 | 21°35 | 28°19 | 19°32 | 17°12 | 8°46 | 26°26 | 3° 4 | 20°37 |
| M22 | 4 3 36 | 29°38'46 | 29°45 | 5° 5 | 23°10 | 28°56 | 19°37 | 17°15 | 8°47 | 26°26 | 3° 4 | 20°38 |
| T 23 | 4 7 33 | 0♁39'27 | 0♁45 | 10° 8 | 24°46 | 29°33 | 19°41 | 17°17 | 8°48 | 26°27 | 3° 4 | 20°39 |
| W24 | 4 11 30 | 1°40'10 | 1°44 | 15°20 | 26°22 | 0♁10 | 19°46 | 17°19 | 8°49 | 26°27 | 3° 4 | 20°41 |
| T 25 | 4 15 26 | 2°40'54 | 2°42 | 20°41 | 27°57 | 0°47 | 19°50 | 17°21 | 8°49 | 26°27 | 3° 4 | 20°42 |
| F 26 | 4 19 23 | 3°41'40 | 3°41 | 26°11 | 29°33 | 1°24 | 19°55 | 17°24 | 8°50 | 26°28 | 3° 4 | 20°43 |
| S 27 | 4 23 19 | 4°42'27 | 4°40 | 1♃50 | 1♃8 | 2° 1 | 19°59 | 17°26 | 8°51 | 26°28 | 3° 4 | 20°44 |
| S 28 | 4 27 16 | 5°43'16 | 5°39 | 7°37 | 2°44 | 2°38 | 20° 4 | 17°28 | 8°52 | 26°28 | 3° 5 | 20°46 |
| M29 | 4 31 12 | 6°44'05 | 6°38 | 13°32 | 4°19 | 3°15 | 20° 8 | 17°30 | 8°52 | 26°29 | 3° 5 | 20°47 |
| T 30 | 4 35 9 | 7♁44'56 | 7♁38 | 19♃34 | 5♃55 | 3♃52 | 20♃13 | 17♃32 | 8♃53 | 26♃29 | 3♁5 | 20♁48 |

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DECEMBER 1886

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|
| W 1 | 4 39 6 | 8♁45'47 | 8♁38 | 25♃41 | 7♃30 | 4♃30 | 20♃18 | 17♃35 | 8♃54 | 26♃29 | 3♁5 | 20♁49 |
| T 2 | 4 43 2 | 9°46'39 | 9°38 | 1♁54 | 9° 6 | 5° 7 | 20°22 | 17°37 | 8°55 | 26°30 | 3° 5 | 20°51 |
| F 3 | 4 46 59 | 10°47'32 | 10°38 | 8°10 | 10°41 | 5°44 | 20°27 | 17°39 | 8°56 | 26°30 | 3° 5 | 20°52 |
| S 4 | 4 50 55 | 11°48'26 | 11°39 | 14°29 | 12°16 | 6°22 | 20°31 | 17°41 | 8°56 | 26°31 | 3° 6 | 20°53 |
| S 5 | 4 54 52 | 12°49'20 | 12°40 | 20°48 | 13°51 | 6°59 | 20°36 | 17°44 | 8°57 | 26°31 | 3° 6 | 20°54 |
| M 6 | 4 58 48 | 13°50'16 | 13°42 | 27° 6 | 15°27 | 7°36 | 20°40 | 17°46 | 8°58 | 26°31 | 3° 6 | 20°56 |
| T 7 | 5 2 45 | 14°51'12 | 14°44 | 3♃23 | 17° 2 | 8°14 | 20°45 | 17°48 | 8°59 | 26°32 | 3° 6 | 20°57 |
| W 8 | 5 6 41 | 15°52'08 | 15°46 | 9°35 | 18°37 | 8°51 | 20°49 | 17°50 | 8°59 | 26°32 | 3° 6 | 20°58 |
| T 9 | 5 10 38 | 16°53'06 | 16°49 | 15°43 | 20°12 | 9°29 | 20°54 | 17°53 | 9° 0 | 26°32 | 3° 6 | 20°59 |
| F 10 | 5 14 34 | 17°54'04 | 17°51 | 21°44 | 21°47 | 10° 6 | 20°58 | 17°55 | 9° 1 | 26°33 | 3° 6 | 21° 1 |
| S 11 | 5 18 31 | 18°55'03 | 18°54 | 27°38 | 23°22 | 10°44 | 21° 3 | 17°57 | 9° 2 | 26°33 | 3° 7 | 21° 2 |
| S 12 | 5 22 28 | 19°56'03 | 19°57 | 3♁24 | 24°57 | 11°21 | 21° 7 | 17°59 | 9° 2 | 26°33 | 3° 7 | 21° 3 |
| M13 | 5 26 24 | 20°57'04 | 21° 0 | 9° 1 | 26°32 | 11°59 | 21°12 | 18° 2 | 9° 3 | 26°34 | 3° 7 | 21° 4 |
| T 14 | 5 30 21 | 21°58'05 | 22° 3 | 14°29 | 28° 7 | 12°37 | 21°16 | 18° 4 | 9° 4 | 26°34 | 3° 7 | 21° 6 |
| W15 | 5 34 17 | 22°59'08 | 23° 5 | 19°47 | 29°42 | 13°14 | 21°21 | 18° 6 | 9° 5 | 26°35 | 3° 7 | 21° 7 |
| T 16 | 5 38 14 | 24° 0'11 | 24° 8 | 24°56 | 1♃17 | 13°52 | 21°26 | 18° 8 | 9° 6 | 26°35 | 3° 7 | 21° 8 |
| F 17 | 5 42 10 | 25° 1'15 | 25°10 | 29°55 | 2°52 | 14°30 | 21°30 | 18°10 | 9° 6 | 26°35 | 3° 8 | 21° 9 |
| S 18 | 5 46 7 | 26° 2'20 | 26°11 | 4♁45 | 4°27 | 15° 8 | 21°35 | 18°13 | 9° 7 | 26°36 | 3° 8 | 21°11 |
| S 19 | 5 50 4 | 27° 3'26 | 27°12 | 9°25 | 6° 2 | 15°45 | 21°39 | 18°15 | 9° 8 | 26°36 | 3° 8 | 21°12 |
| M20 | 5 54 0 | 28° 4'32 | 28°13 | 13°56 | 7°37 | 16°23 | 21°44 | 18°17 | 9° 9 | 26°36 | 3° 8 | 21°13 |
| T 21 | 5 57 57 | 29° 5'40 | 29°13 | 18°18 | 9°12 | 17° 1 | 21°48 | 18°19 | 9° 9 | 26°37 | 3° 8 | 21°14 |
| W22 | 6 1 53 | 0♁6'48 | 0♁13 | 22°33 | 10°47 | 17°39 | 21°53 | 18°22 | 9°10 | 26°37 | 3° 8 | 21°16 |
| T 23 | 6 5 50 | 1° 7'57 | 1°12 | 26°39 | 12°22 | 18°17 | 21°57 | 18°24 | 9°11 | 26°38 | 3° 9 | 21°17 |
| F 24 | 6 9 46 | 2° 9'06 | 2°12 | 0♁38 | 13°57 | 18°54 | 22° 2 | 18°26 | 9°12 | 26°38 | 3° 9 | 21°18 |
| S 25 | 6 13 43 | 3°10'16 | 3°11 | 4°30 | 15°31 | 19°32 | 22° 6 | 18°28 | 9°13 | 26°38 | 3° 9 | 21°19 |
| S 26 | 6 17 39 | 4°11'26 | 4°10 | 8°15 | 17° 6 | 20°10 | 22°11 | 18°31 | 9°13 | 26°39 | 3° 9 | 21°21 |
| M27 | 6 21 36 | 5°12'36 | 5°10 | 11°55 | 18°41 | 20°48 | 22°15 | 18°33 | 9°14 | 26°39 | 3° 9 | 21°22 |
| T 28 | 6 25 33 | 6°13'46 | 6° 9 | 15°28 | 20°16 | 21°26 | 22°20 | 18°35 | 9°15 | 26°39 | 3° 9 | 21°23 |
| W29 | 6 29 29 | 7°14'57 | 7° 9 | 18°56 | 21°51 | 22° 4 | 22°25 | 18°37 | 9°16 | 26°40 | 3° 9 | 21°24 |
| T 30 | 6 33 26 | 8°16'07 | 8° 9 | 22°20 | 23°26 | 22°42 | 22°29 | 18°39 | 9°16 | 26°40 | 3°10 | 21°26 |
| F 31 | 6 37 22 | 9♁17'17 | 9♁9 | 25♃38 | 25♃1 | 23♃20 | 22♃34 | 18♃42 | 9♁17 | 26♃40 | 3♁10 | 21♁27 |

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