

SWISS EPHEMERIS for the year 1840

JANUARY 1840

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| W 1 | 6 38 54 | 9°32'34 | 26♐33 | 18°33 | 23♐33 | 8°14 | 13♐6 | 15°52 | 13°9 | 11°8 | 16°55 | 8°R33 | 9°39 | 22♐54 | 6°R34 |
| T 2 | 6 42 50 | 10°43'45 | 8°29 | 18°59 | 24°39 | 9°1 | 13°16 | 15°59 | 13°11 | 11°10 | 16°55 | 8°R23 | 9°35 | 23°1 | 6°30 |
| F 3 | 6 46 47 | 11°44'57 | 20°31 | 19°32 | 25°46 | 9°48 | 13°25 | 16°6 | 13°13 | 11°12 | 16°55 | 8°12 | 9°32 | 23°7 | 6°26 |
| S 4 | 6 50 43 | 12°46'08 | 2°32 | 20°10 | 26°52 | 10°36 | 13°35 | 16°12 | 13°15 | 11°14 | 16°55 | 8°0 | 9°29 | 23°14 | 6°22 |
| S 5 | 6 54 40 | 13°47'19 | 15°3 | 20°54 | 27°59 | 11°23 | 13°44 | 16°19 | 13°17 | 11°17 | 16°56 | 7°50 | 9°26 | 23°21 | 6°18 |
| M 6 | 6 58 37 | 14°48'30 | 27°34 | 21°43 | 29°6 | 12°10 | 13°54 | 16°25 | 13°19 | 11°19 | 16°56 | 7°41 | 9°23 | 23°28 | 6°14 |
| T 7 | 7 2 33 | 15°49'41 | 10°15 | 22°36 | 0°13 | 12°58 | 14°3 | 16°32 | 13°21 | 11°21 | 16°56 | 7°35 | 9°20 | 23°34 | 6°9 |
| W 8 | 7 6 30 | 16°50'52 | 23°7 | 23°32 | 1°21 | 13°45 | 14°12 | 16°38 | 13°23 | 11°23 | 16°56 | 7°32 | 9°16 | 23°41 | 6°5 |
| T 9 | 7 10 26 | 17°52'02 | 6°10 | 24°32 | 2°28 | 14°32 | 14°21 | 16°45 | 13°26 | 11°25 | 16°56 | 7°D31 | 9°13 | 23°48 | 6°1 |
| F 10 | 7 14 23 | 18°53'11 | 19°25 | 25°35 | 3°36 | 15°20 | 14°30 | 16°51 | 13°28 | 11°27 | 16°56 | 7°31 | 9°10 | 23°54 | 5°57 |
| S 11 | 7 18 19 | 19°54'20 | 2°55 | 26°41 | 4°44 | 16°7 | 14°38 | 16°58 | 13°30 | 11°29 | 16°56 | 7°32 | 9°7 | 24°1 | 5°53 |
| S 12 | 7 22 16 | 20°55'28 | 16°39 | 27°49 | 5°52 | 16°54 | 14°47 | 17°4 | 13°33 | 11°31 | 16°57 | 7°R33 | 9°4 | 24°8 | 5°50 |
| M13 | 7 26 12 | 21°56'36 | 0°39 | 29°0 | 7°1 | 17°42 | 14°55 | 17°10 | 13°35 | 11°34 | 16°57 | 7°33 | 9°0 | 24°15 | 5°46 |
| T 14 | 7 30 9 | 22°57'43 | 14°54 | 0°12 | 8°9 | 18°29 | 15°4 | 17°16 | 13°38 | 11°36 | 16°57 | 7°31 | 8°57 | 24°21 | 5°42 |
| W15 | 7 34 6 | 23°58'49 | 29°23 | 1°26 | 9°18 | 19°16 | 15°12 | 17°23 | 13°40 | 11°38 | 16°58 | 7°27 | 8°54 | 24°28 | 5°38 |
| T 16 | 7 38 2 | 24°59'54 | 14°0 | 2°42 | 10°27 | 20°4 | 15°20 | 17°29 | 13°43 | 11°40 | 16°58 | 7°21 | 8°51 | 24°35 | 5°34 |
| F 17 | 7 41 59 | 26°0'59 | 28°41 | 3°59 | 11°36 | 20°51 | 15°28 | 17°35 | 13°45 | 11°42 | 16°58 | 7°15 | 8°48 | 24°41 | 5°30 |
| S 18 | 7 45 55 | 27°2'03 | 13°18 | 5°18 | 12°45 | 21°39 | 15°36 | 17°41 | 13°48 | 11°45 | 16°59 | 7°8 | 8°45 | 24°48 | 5°27 |
| S 19 | 7 49 52 | 28°3'06 | 27°44 | 6°37 | 13°54 | 22°26 | 15°43 | 17°47 | 13°50 | 11°47 | 16°59 | 7°2 | 8°41 | 24°55 | 5°23 |
| M20 | 7 53 48 | 29°4'08 | 11°52 | 7°58 | 15°3 | 23°13 | 15°51 | 17°53 | 13°53 | 11°49 | 16°59 | 6°58 | 8°38 | 25°2 | 5°19 |
| T 21 | 7 57 45 | 0°5'10 | 25°39 | 9°21 | 16°13 | 24°1 | 15°58 | 17°59 | 13°56 | 11°51 | 17°0 | 6°56 | 8°35 | 25°8 | 5°16 |
| W22 | 8 1 42 | 1°6'11 | 9°1 | 10°44 | 17°23 | 24°48 | 16°6 | 18°4 | 13°58 | 11°53 | 17°0 | 6°D55 | 8°32 | 25°15 | 5°12 |
| T 23 | 8 5 38 | 2°7'11 | 22°0 | 12°8 | 18°32 | 25°35 | 16°13 | 18°10 | 14°1 | 11°56 | 17°1 | 6°56 | 8°29 | 25°22 | 5°8 |
| F 24 | 8 9 35 | 3°8'11 | 4°36 | 13°33 | 19°42 | 26°23 | 16°20 | 18°16 | 14°4 | 11°58 | 17°1 | 6°58 | 8°26 | 25°28 | 5°5 |
| S 25 | 8 13 31 | 4°9'11 | 16°55 | 14°59 | 20°52 | 27°10 | 16°27 | 18°22 | 14°7 | 12°0 | 17°2 | 6°59 | 8°22 | 25°35 | 5°2 |
| S 26 | 8 17 28 | 5°10'09 | 28°59 | 16°25 | 22°2 | 27°57 | 16°33 | 18°27 | 14°9 | 12°3 | 17°2 | 7°0 | 8°19 | 25°42 | 4°58 |
| M27 | 8 21 24 | 6°11'07 | 10°55 | 17°53 | 23°13 | 28°45 | 16°40 | 18°33 | 14°12 | 12°5 | 17°3 | 7°R1 | 8°16 | 25°49 | 4°55 |
| T 28 | 8 25 21 | 7°12'05 | 22°47 | 19°21 | 24°23 | 29°32 | 16°46 | 18°38 | 14°15 | 12°7 | 17°3 | 6°59 | 8°13 | 25°55 | 4°52 |
| W29 | 8 29 17 | 8°13'01 | 4°39 | 20°51 | 25°33 | 0°19 | 16°53 | 18°44 | 14°18 | 12°9 | 17°4 | 6°57 | 8°10 | 26°2 | 4°48 |
| T 30 | 8 33 14 | 9°13'58 | 16°37 | 22°20 | 26°44 | 1°7 | 16°59 | 18°49 | 14°21 | 12°12 | 17°5 | 6°53 | 8°6 | 26°9 | 4°45 |
| F 31 | 8 37 11 | 10°14'53 | 28°43 | 23°51 | 27°55 | 1°54 | 17°5 | 18°54 | 14°24 | 12°14 | 17°5 | 6°H48 | 8°3 | 26°16 | 4°42 |

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|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| S 1 | 8 41 7 | 11°15'47 | 11°32 | 25°23 | 29°5 | 2°41 | 17°11 | 19°0 | 14°27 | 12°16 | 17°6 | 6°R44 | 8°H0 | 26°22 | 4°R39 |
| S 2 | 8 45 4 | 12°16'40 | 23°33 | 26°55 | 0°16 | 3°29 | 17°16 | 19°5 | 14°30 | 12°18 | 17°7 | 6°H39 | 7°57 | 26°29 | 4°36 |
| M 3 | 8 49 0 | 13°17'33 | 6°20 | 28°28 | 1°27 | 4°16 | 17°22 | 19°10 | 14°33 | 12°21 | 17°7 | 6°36 | 7°54 | 26°36 | 4°33 |
| T 4 | 8 52 57 | 14°18'24 | 19°21 | 0°1 | 2°38 | 5°3 | 17°27 | 19°15 | 14°36 | 12°23 | 17°8 | 6°34 | 7°51 | 26°42 | 4°31 |
| W 5 | 8 56 53 | 15°19'14 | 2°36 | 1°36 | 3°49 | 5°50 | 17°32 | 19°20 | 14°39 | 12°25 | 17°9 | 6°D33 | 7°47 | 26°49 | 4°28 |
| T 6 | 9 0 50 | 16°20'02 | 16°3 | 3°11 | 5°0 | 6°38 | 17°37 | 19°25 | 14°42 | 12°28 | 17°10 | 6°33 | 7°44 | 26°56 | 4°25 |
| F 7 | 9 4 46 | 17°20'49 | 29°43 | 4°47 | 6°11 | 7°25 | 17°42 | 19°30 | 14°45 | 12°30 | 17°10 | 6°34 | 7°41 | 27°3 | 4°23 |
| S 8 | 9 8 43 | 18°21'35 | 13°32 | 6°24 | 7°23 | 8°12 | 17°47 | 19°34 | 14°49 | 12°32 | 17°11 | 6°36 | 7°38 | 27°9 | 4°20 |
| S 9 | 9 12 40 | 19°22'18 | 27°30 | 8°1 | 8°34 | 8°59 | 17°52 | 19°39 | 14°52 | 12°34 | 17°12 | 6°37 | 7°35 | 27°16 | 4°18 |
| M10 | 9 16 36 | 20°23'01 | 11°35 | 9°40 | 9°45 | 9°46 | 17°56 | 19°44 | 14°55 | 12°37 | 17°13 | 6°38 | 7°32 | 27°23 | 4°15 |
| T 11 | 9 20 33 | 21°23'42 | 25°45 | 11°19 | 10°57 | 10°33 | 18°0 | 19°48 | 14°58 | 12°39 | 17°14 | 6°R38 | 7°28 | 27°29 | 4°13 |
| W12 | 9 24 29 | 22°24'21 | 9°18 | 12°59 | 12°8 | 11°21 | 18°4 | 19°53 | 15°1 | 12°41 | 17°15 | 6°37 | 7°25 | 27°36 | 4°11 |
| T 13 | 9 28 26 | 23°24'58 | 24°13 | 14°40 | 13°20 | 12°8 | 18°8 | 19°57 | 15°5 | 12°43 | 17°16 | 6°36 | 7°22 | 27°43 | 4°8 |
| F 14 | 9 32 22 | 24°25'34 | 8°25 | 16°21 | 14°31 | 12°55 | 18°12 | 20°1 | 15°8 | 12°46 | 17°17 | 6°34 | 7°19 | 27°50 | 4°6 |
| S 15 | 9 36 19 | 25°26'08 | 22°31 | 18°4 | 15°43 | 13°42 | 18°15 | 20°6 | 15°11 | 12°48 | 17°17 | 6°33 | 7°16 | 27°56 | 4°4 |
| S 16 | 9 40 15 | 26°26'40 | 6°28 | 19°47 | 16°55 | 14°29 | 18°18 | 20°10 | 15°14 | 12°50 | 17°18 | 6°32 | 7°12 | 28°3 | 4°3 |
| M17 | 9 44 12 | 27°27'10 | 20°12 | 21°32 | 18°7 | 15°16 | 18°22 | 20°14 | 15°18 | 12°52 | 17°19 | 6°31 | 7°9 | 28°10 | 4°1 |
| T 18 | 9 48 9 | 28°27'39 | 3°40 | 23°17 | 19°19 | 16°3 | 18°25 | 20°18 | 15°21 | 12°55 | 17°20 | 6°D30 | 7°6 | 28°17 | 3°59 |
| W19 | 9 52 5 | 29°28'06 | 16°51 | 25°3 | 20°30 | 16°50 | 18°27 | 20°22 | 15°24 | 12°57 | 17°21 | 6°31 | 7°3 | 28°23 | 3°57 |
| T 20 | 9 56 2 | 0°28'32 | 29°43 | 26°50 | 21°42 | 17°37 | 18°30 | 20°26 | 15°28 | 12°59 | 17°22 | 6°31 | 7°0 | 28°30 | 3°56 |
| F 21 | 9 59 58 | 1°28'56 | 12°18 | 28°39 | 22°54 | 18°24 | 18°32 | 20°29 | 15°31 | 13°1 | 17°23 | 6°32 | 6°57 | 28°37 | 3°54 |
| S 22 | 10 3 55 | 2°29'19 | 24°38 | 0°28 | 24°7 | 19°10 | 18°35 | 20°33 | 15°34 | 13°3 | 17°24 | 6°32 | 6°53 | 28°43 | 3°53 |
| S 23 | 10 7 51 | 3°29'40 | 6°44 | 2°17 | 25°19 | 19°57 | 18°37 | 20°37 | 15°38 | 13°6 | 17°26 | 6°32 | 6°50 | 28°50 | 3°51 |
| M24 | 10 11 48 | 4°30'00 | 18°42 | 4°8 | 26°31 | 20°44 | 18°39 | 20°40 | 15°41 | 13°8 | 17°27 | 6°33 | 6°47 | 28°57 | 3°50 |
| T 25 | 10 15 44 | 5°30'19 | 0°36 | 6°0 | 27°43 | 21°31 | 18°40 | 20°44 | 15°44 | 13°10 | 17°28 | 6°33 | 6°44 | 29°4 | 3°49 |
| W26 | 10 19 41 | 6°30'36 | 12°29 | 7°53 | 28°55 | 22°18 | 18°42 | 20°47 | 15°48 | 13°12 | 17°29 | 6°33 | 6°41 | 29°10 | 3°48 |
| T 27 | 10 23 38 | 7°30'51 | 24°27 | 9°46 | 0°8 | 23°4 | 18°43 | 20°50 | 15°51 | 13°14 | 17°30 | 6°33 | 6°38 | 29°17 | 3°47 |
| F 28 | 10 27 34 | 8°31'06 | 6°34 | 11°40 | 1°20 | 23°51 | 18°44 | 20°53 | 15°55 | 13°16 | 17°31 | 6°33 | 6°34 | 29°24 | 3°46 |
| S 29 | 10 31 31 | 9°31'18 | 18°55 | 13°35 | 2°32 | 24°38 | 18°45 | 20°56 | 15°58 | 13°18 | 17°32 | 6°H33 | 6°H31 | 29°30 | 3°45 |

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SWISS EPHEMERIS for the year 1840

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|------|----------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|----------------------|--------------------|
| S 1 | 10 35 27 | 10 ^h 31'29" | 1 ^h 32' | 15 ^h 30' | 3 ^h 45' | 25 ^h 24' | 18 ^h 46' | 20 ^h 59' | 16 ^h 2' | 13 ^h 20' | 17 ^h 33' | 6 ^h 34' | 6 ^h 28' | 29 ^h 37' | 3 ^h 45' |
| M 2 | 10 39 24 | 11 ^h 31'38" | 14 ^h 28' | 17 ^h 26' | 4 ^h 57' | 26 ^h 11' | 18 ^h 47' | 21 ^h 2' | 16 ^h 5' | 13 ^h 23' | 17 ^h 35' | 6 ^h 34' | 6 ^h 25' | 29 ^h 44' | 3 ^h 44' |
| T 3 | 10 43 20 | 12 ^h 31'46" | 27 ^h 45' | 19 ^h 22' | 6 ^h 10' | 26 ^h 58' | 18 ^h 47' | 21 ^h 5' | 16 ^h 8' | 13 ^h 25' | 17 ^h 36' | 6 ^h 34' | 6 ^h 22' | 29 ^h 51' | 3 ^h 43' |
| W 4 | 10 47 17 | 13 ^h 31'51" | 11 ^h 21' | 21 ^h 18' | 7 ^h 22' | 27 ^h 44' | 18 ^h 47' | 21 ^h 8' | 16 ^h 12' | 13 ^h 27' | 17 ^h 37' | 6 ^h R34 | 6 ^h 18' | 29 ^h 57' | 3 ^h 43' |
| T 5 | 10 51 13 | 14 ^h 31'55" | 25 ^h 15' | 23 ^h 14' | 8 ^h 35' | 28 ^h 31' | 18 ^h R47 | 21 ^h 10' | 16 ^h 15' | 13 ^h 29' | 17 ^h 38' | 6 ^h 34' | 6 ^h 15' | 0 ^h 7' 4" | 3 ^h 43' |
| F 6 | 10 55 10 | 15 ^h 31'57" | 9 ^h 23' | 25 ^h 10' | 9 ^h 47' | 29 ^h 17' | 18 ^h 47' | 21 ^h 13' | 16 ^h 19' | 13 ^h 31' | 17 ^h 39' | 6 ^h 33' | 6 ^h 12' | 0 ^h 11' | 3 ^h 42' |
| S 7 | 10 59 6 | 16 ^h 31'57" | 23 ^h 41' | 27 ^h 5' | 11 ^h 0' | 0 ^h Y 4 | 18 ^h 47' | 21 ^h 15' | 16 ^h 22' | 13 ^h 33' | 17 ^h 41' | 6 ^h 32' | 6 ^h 9' | 0 ^h 18' | 3 ^h 42' |
| S 8 | 11 3 3 | 17 ^h 31'54" | 8 ^h 4' | 28 ^h 59' | 12 ^h 12' | 0 ^h 50' | 18 ^h 46' | 21 ^h 18' | 16 ^h 26' | 13 ^h 35' | 17 ^h 42' | 6 ^h 31' | 6 ^h 6' | 0 ^h 24' | 3 ^h D42 |
| M 9 | 11 7 0 | 18 ^h 31'50" | 22 ^h 28' | 0 ^h Y52 | 13 ^h 25' | 1 ^h 36' | 18 ^h 45' | 21 ^h 20' | 16 ^h 29' | 13 ^h 37' | 17 ^h 43' | 6 ^h 30' | 6 ^h 3' | 0 ^h 31' | 3 ^h 42' |
| T 10 | 11 10 56 | 19 ^h 31'43" | 6 ^h II47 | 2 ^h 43' | 14 ^h 37' | 2 ^h 23' | 18 ^h 44' | 21 ^h 22' | 16 ^h 32' | 13 ^h 39' | 17 ^h 44' | 6 ^h 29' | 5 ^h 59' | 0 ^h 38' | 3 ^h 42' |
| W 11 | 11 14 53 | 20 ^h 31'35" | 21 ^h 0' | 4 ^h 31' | 15 ^h 50' | 3 ^h 9' | 18 ^h 43' | 21 ^h 24' | 16 ^h 36' | 13 ^h 40' | 17 ^h 46' | 6 ^h D28 | 5 ^h 56' | 0 ^h 44' | 3 ^h 43' |
| T 12 | 11 18 49 | 21 ^h 31'24" | 5 ^h 3' | 6 ^h 18' | 17 ^h 3' | 3 ^h 55' | 18 ^h 42' | 21 ^h 26' | 16 ^h 39' | 13 ^h 42' | 17 ^h 47' | 6 ^h 29' | 5 ^h 53' | 0 ^h 51' | 3 ^h 43' |
| F 13 | 11 22 46 | 22 ^h 31'10" | 18 ^h 55' | 8 ^h 1' | 18 ^h 16' | 4 ^h 41' | 18 ^h 40' | 21 ^h 28' | 16 ^h 43' | 13 ^h 44' | 17 ^h 48' | 6 ^h 30' | 5 ^h 50' | 0 ^h 58' | 3 ^h 43' |
| S 14 | 11 26 42 | 23 ^h 30'55" | 2 ^h Ω36 | 9 ^h 40' | 19 ^h 28' | 5 ^h 28' | 18 ^h 39' | 21 ^h 30' | 16 ^h 46' | 13 ^h 46' | 17 ^h 50' | 6 ^h 31' | 5 ^h 47' | 1 ^h 5' | 3 ^h 44' |
| S 15 | 11 30 39 | 24 ^h 30'37" | 16 ^h 5' | 11 ^h 16' | 20 ^h 41' | 6 ^h 14' | 18 ^h 37' | 21 ^h 31' | 16 ^h 50' | 13 ^h 48' | 17 ^h 51' | 6 ^h 32' | 5 ^h 44' | 1 ^h 11' | 3 ^h 44' |
| M 16 | 11 34 36 | 25 ^h 30'16" | 29 ^h 22' | 12 ^h 47' | 21 ^h 54' | 7 ^h 0' | 18 ^h 35' | 21 ^h 33' | 16 ^h 53' | 13 ^h 50' | 17 ^h 52' | 6 ^h 33' | 5 ^h 40' | 1 ^h 18' | 3 ^h 45' |
| T 17 | 11 38 32 | 26 ^h 29'54" | 12 ^h η26 | 14 ^h 13' | 23 ^h 7' | 7 ^h 46' | 18 ^h 33' | 21 ^h 34' | 16 ^h 56' | 13 ^h 52' | 17 ^h 54' | 6 ^h R33 | 5 ^h 37' | 1 ^h 25' | 3 ^h 46' |
| W 18 | 11 42 29 | 27 ^h 29'30" | 25 ^h 17' | 15 ^h 33' | 24 ^h 19' | 8 ^h 32' | 18 ^h 30' | 21 ^h 36' | 17 ^h 0' | 13 ^h 53' | 17 ^h 55' | 6 ^h 32' | 5 ^h 34' | 1 ^h 31' | 3 ^h 46' |
| T 19 | 11 46 25 | 28 ^h 29'03" | 7 ^h Ω55 | 16 ^h 48' | 25 ^h 32' | 9 ^h 18' | 18 ^h 28' | 21 ^h 37' | 17 ^h 3' | 13 ^h 55' | 17 ^h 56' | 6 ^h 30' | 5 ^h 31' | 1 ^h 38' | 3 ^h 47' |
| F 20 | 11 50 22 | 29 ^h 28'35" | 20 ^h 21' | 17 ^h 57' | 26 ^h 45' | 10 ^h 4' | 18 ^h 25' | 21 ^h 38' | 17 ^h 7' | 13 ^h 57' | 17 ^h 58' | 6 ^h 27' | 5 ^h 28' | 1 ^h 45' | 3 ^h 48' |
| S 21 | 11 54 18 | 0 ^h Y28'04" | 2 ^h η36 | 18 ^h 58' | 27 ^h 58' | 10 ^h 50' | 18 ^h 22' | 21 ^h 39' | 17 ^h 10' | 13 ^h 59' | 17 ^h 59' | 6 ^h 23' | 5 ^h 24' | 1 ^h 52' | 3 ^h 50' |
| S 22 | 11 58 15 | 1 ^h 27'32" | 14 ^h 40' | 19 ^h 53' | 29 ^h 11' | 11 ^h 35' | 18 ^h 19' | 21 ^h 40' | 17 ^h 13' | 14 ^h 0' | 18 ^h 0' | 6 ^h 19' | 5 ^h 21' | 1 ^h 58' | 3 ^h 51' |
| M 23 | 12 2 11 | 2 ^h 26'58" | 26 ^h 38' | 20 ^h 41' | 0 ^h X24 | 12 ^h 21' | 18 ^h 15' | 21 ^h 41' | 17 ^h 17' | 14 ^h 2' | 18 ^h 2' | 6 ^h 15' | 5 ^h 18' | 2 ^h 5' | 3 ^h 52' |
| T 24 | 12 6 8 | 3 ^h 26'22" | 8 ^h 31' | 21 ^h 22' | 1 ^h 37' | 13 ^h 7' | 18 ^h 12' | 21 ^h 42' | 17 ^h 20' | 14 ^h 4' | 18 ^h 3' | 6 ^h 11' | 5 ^h 15' | 2 ^h 12' | 3 ^h 53' |
| W 25 | 12 10 4 | 4 ^h 25'45" | 20 ^h 24' | 21 ^h 55' | 2 ^h 50' | 13 ^h 53' | 18 ^h 8' | 21 ^h 42' | 17 ^h 23' | 14 ^h 5' | 18 ^h 4' | 6 ^h 9' | 5 ^h 12' | 2 ^h 19' | 3 ^h 55' |
| T 26 | 12 14 1 | 5 ^h 25'05" | 2 ^h Ω20 | 22 ^h 21' | 4 ^h 2' | 14 ^h 38' | 18 ^h 4' | 21 ^h 43' | 17 ^h 27' | 14 ^h 7' | 18 ^h 6' | 6 ^h D 8 | 5 ^h 9' | 2 ^h 25' | 3 ^h 56' |
| F 27 | 12 17 58 | 6 ^h 24'24" | 14 ^h 26' | 22 ^h 39' | 5 ^h 15' | 15 ^h 24' | 18 ^h 0' | 21 ^h 43' | 17 ^h 30' | 14 ^h 8' | 18 ^h 7' | 6 ^h 8' | 5 ^h 5' | 2 ^h 32' | 3 ^h 58' |
| S 28 | 12 21 54 | 7 ^h 23'41" | 26 ^h 44' | 22 ^h 50' | 6 ^h 28' | 16 ^h 10' | 17 ^h 56' | 21 ^h 44' | 17 ^h 33' | 14 ^h 10' | 18 ^h 9' | 6 ^h 9' | 5 ^h 2' | 2 ^h 39' | 4 ^h 0' |
| S 29 | 12 25 51 | 8 ^h 22'56" | 9 ^h Ω21 | 22 ^h R53 | 7 ^h 41' | 16 ^h 55' | 17 ^h 52' | 21 ^h 44' | 17 ^h 36' | 14 ^h 12' | 18 ^h 10' | 6 ^h 11' | 4 ^h 59' | 2 ^h 45' | 4 ^h 2' |
| M 30 | 12 29 47 | 9 ^h 22'09" | 22 ^h 19' | 22 ^h 49' | 8 ^h 54' | 17 ^h 41' | 17 ^h 48' | 21 ^h 44' | 17 ^h 40' | 14 ^h 13' | 18 ^h 11' | 6 ^h 13' | 4 ^h 56' | 2 ^h 52' | 4 ^h 3' |
| T 31 | 12 33 44 | 10 ^h Y21'21" | 5 ^h X42 | 22 ^h Y38 | 10 ^h X 7 | 18 ^h Y26 | 17 ^h η43 | 21 ^h R44 | 17 ^h X43 | 14 ^h Ω14 | 18 ^h Y13 | 6 ^h R13 | 4 ^h X53 | 2 ^h Y59 | 4 ^h Ω 5 |

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|------|----------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| W 1 | 12 37 40 | 11 ^h Y20'30" | 19 ^h X30 | 22 ^h R21 | 11 ^h X21 | 19 ^h Y12 | 17 ^h R38 | 21 ^h R44 | 17 ^h X46 | 14 ^h Ω16 | 18 ^h Y14 | 6 ^h R13 | 4 ^h X49 | 3 ^h Y 6 | 4 ^h Ω 7 |
| T 2 | 12 41 37 | 12 ^h 19'38" | 3 ^h Y42 | 21 ^h Y57 | 12 ^h 34' | 19 ^h 57' | 17 ^h η33 | 21 ^h X44 | 17 ^h 49' | 14 ^h 17' | 18 ^h 16' | 6 ^h X10 | 4 ^h 46' | 3 ^h 12' | 4 ^h 10' |
| F 3 | 12 45 33 | 13 ^h 18'44" | 18 ^h 14' | 21 ^h 28' | 13 ^h 47' | 20 ^h 42' | 17 ^h 28' | 21 ^h 44' | 17 ^h 53' | 14 ^h 19' | 18 ^h 17' | 6 ^h 6' | 4 ^h 43' | 3 ^h 19' | 4 ^h 12' |
| S 4 | 12 49 30 | 14 ^h 17'47" | 3 ^h Ω 0 | 20 ^h 54' | 15 ^h 0' | 21 ^h 27' | 17 ^h 23' | 21 ^h 44' | 17 ^h 56' | 14 ^h 20' | 18 ^h 18' | 6 ^h 1' | 4 ^h 40' | 3 ^h 26' | 4 ^h 14' |
| S 5 | 12 53 27 | 15 ^h 16'49" | 17 ^h 51' | 20 ^h 17' | 16 ^h 13' | 22 ^h 13' | 17 ^h 17' | 21 ^h 43' | 17 ^h 59' | 14 ^h 21' | 18 ^h 20' | 5 ^h 55' | 4 ^h 37' | 3 ^h 33' | 4 ^h 17' |
| M 6 | 12 57 23 | 16 ^h 15'48" | 2 ^h II40 | 19 ^h 35' | 17 ^h 26' | 22 ^h 58' | 17 ^h 12' | 21 ^h 43' | 18 ^h 2' | 14 ^h 23' | 18 ^h 21' | 5 ^h 49' | 4 ^h 34' | 3 ^h 39' | 4 ^h 19' |
| T 7 | 13 1 20 | 17 ^h 14'45" | 17 ^h 19' | 18 ^h 52' | 18 ^h 39' | 23 ^h 43' | 17 ^h 6' | 21 ^h 42' | 18 ^h 5' | 14 ^h 24' | 18 ^h 23' | 5 ^h 44' | 4 ^h 30' | 3 ^h 46' | 4 ^h 22' |
| W 8 | 13 5 16 | 18 ^h 13'40" | 1 ^h Ω42 | 18 ^h 5' | 19 ^h 52' | 24 ^h 28' | 17 ^h 1' | 21 ^h 41' | 18 ^h 8' | 14 ^h 25' | 18 ^h 24' | 5 ^h 41' | 4 ^h 27' | 3 ^h 53' | 4 ^h 24' |
| T 9 | 13 9 13 | 19 ^h 12'33" | 15 ^h 47' | 17 ^h 21' | 21 ^h 5' | 25 ^h 13' | 16 ^h 55' | 21 ^h 40' | 18 ^h 11' | 14 ^h 27' | 18 ^h 26' | 5 ^h D40 | 4 ^h 24' | 3 ^h 59' | 4 ^h 27' |
| F 10 | 13 13 9 | 20 ^h 11'23" | 29 ^h 33' | 16 ^h 35' | 22 ^h 18' | 25 ^h 58' | 16 ^h 49' | 21 ^h 40' | 18 ^h 14' | 14 ^h 28' | 18 ^h 27' | 5 ^h 40' | 4 ^h 21' | 4 ^h 6' | 4 ^h 30' |
| S 11 | 13 17 6 | 21 ^h 10'11" | 13 ^h Ω 0 | 15 ^h 50' | 23 ^h 31' | 26 ^h 43' | 16 ^h 42' | 21 ^h 39' | 18 ^h 17' | 14 ^h 29' | 18 ^h 28' | 5 ^h 42' | 4 ^h 18' | 4 ^h 13' | 4 ^h 33' |
| S 12 | 13 21 2 | 22 ^h 8'56" | 26 ^h 11' | 15 ^h 7' | 24 ^h 44' | 27 ^h 28' | 16 ^h 36' | 21 ^h 37' | 18 ^h 20' | 14 ^h 30' | 18 ^h 30' | 5 ^h 43' | 4 ^h 15' | 4 ^h 20' | 4 ^h 36' |
| M 13 | 13 24 59 | 23 ^h 7'39" | 9 ^h η 6 | 14 ^h 27' | 25 ^h 57' | 28 ^h 13' | 16 ^h 30' | 21 ^h 36' | 18 ^h 23' | 14 ^h 31' | 18 ^h 31' | 5 ^h R43 | 4 ^h 11' | 4 ^h 26' | 4 ^h 39' |
| T 14 | 13 28 56 | 24 ^h 6'20" | 21 ^h 49' | 13 ^h 50' | 27 ^h 11' | 28 ^h 57' | 16 ^h 23' | 21 ^h 35' | 18 ^h 26' | 14 ^h 32' | 18 ^h 33' | 5 ^h 42' | 4 ^h 8' | 4 ^h 33' | 4 ^h 42' |
| W 15 | 13 32 52 | 25 ^h 4'59" | 4 ^h Ω21 | 13 ^h 16' | 28 ^h 24' | 29 ^h 42' | 16 ^h 17' | 21 ^h 34' | 18 ^h 29' | 14 ^h 33' | 18 ^h 34' | 5 ^h 38' | 4 ^h 5' | 4 ^h 40' | 4 ^h 45' |
| T 16 | 13 36 49 | 26 ^h 3'36" | 16 ^h 43' | 12 ^h 47' | 29 ^h 37' | 0 ^h Ω27 | 16 ^h 10' | 21 ^h 32' | 18 ^h 32' | 14 ^h 34' | 18 ^h 35' | 5 ^h 32' | 4 ^h 2' | 4 ^h 46' | 4 ^h 48' |
| F 17 | 13 40 45 | 27 ^h 2'11" | 28 ^h 56' | 12 ^h 22' | 0 ^h Y50 | 1 ^h 11' | 16 ^h 3' | 21 ^h 30' | 18 ^h 35' | 14 ^h 35' | 18 | | | | |

SWISS EPHEMERIS for the year 1840

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|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|------|------|------|
| F 1 | 14 35 57 | 10♈39'21 | 26♏32 | 14♏59 | 17♏54 | 11♈31 | 14°R21 | 20°R59 | 19♋12 | 14♌46 | 18♏56 | 4°R17 | 3♋14 | 6♌27 | 5♌46 |
| S 2 | 14 39 54 | 11°37'31 | 11♈34 | 15°43 | 19° 8 | 12°15 | 14♌13 | 20♌56 | 19°15 | 14°46 | 18°57 | 4♋ 8 | 3°11 | 6°34 | 5°50 |
| S 3 | 14 43 50 | 12°35'39 | 26°46 | 16°30 | 20°21 | 12°59 | 14° 6 | 20°53 | 19°17 | 14°47 | 18°59 | 3°58 | 3° 8 | 6°41 | 5°54 |
| M 4 | 14 47 47 | 13°33'46 | 11♏56 | 17°21 | 21°34 | 13°42 | 13°58 | 20°50 | 19°19 | 14°47 | 19° 0 | 3°49 | 3° 5 | 6°48 | 5°59 |
| T 5 | 14 51 43 | 14°31'51 | 26°55 | 18°15 | 22°47 | 14°26 | 13°50 | 20°47 | 19°22 | 14°48 | 19° 1 | 3°40 | 3° 1 | 6°54 | 6° 4 |
| W 6 | 14 55 40 | 15°29'55 | 11♌35 | 19°12 | 24° 0 | 15°10 | 13°43 | 20°44 | 19°24 | 14°48 | 19° 3 | 3°34 | 2°58 | 7° 1 | 6° 8 |
| T 7 | 14 59 36 | 16°27'56 | 25°51 | 20°12 | 25°14 | 15°53 | 13°35 | 20°41 | 19°26 | 14°49 | 19° 4 | 3°30 | 2°55 | 7° 8 | 6°13 |
| F 8 | 15 3 33 | 17°25'55 | 9♏41 | 21°15 | 26°27 | 16°37 | 13°27 | 20°38 | 19°28 | 14°49 | 19° 5 | 3°29 | 2°52 | 7°14 | 6°17 |
| S 9 | 15 7 29 | 18°23'53 | 23° 6 | 22°21 | 27°40 | 17°20 | 13°20 | 20°34 | 19°30 | 14°49 | 19° 7 | 3°D29 | 2°49 | 7°21 | 6°22 |
| S 10 | 15 11 26 | 19°21'48 | 6♏10 | 23°30 | 28°53 | 18° 4 | 13°12 | 20°31 | 19°32 | 14°49 | 19° 8 | 3°R29 | 2°46 | 7°28 | 6°27 |
| M 11 | 15 15 23 | 20°19'42 | 18°54 | 24°41 | 0♈ 7 | 18°47 | 13° 5 | 20°28 | 19°35 | 14°50 | 19° 9 | 3°28 | 2°42 | 7°35 | 6°32 |
| T 12 | 15 19 19 | 21°17'33 | 1♌24 | 25°55 | 1°20 | 19°30 | 12°57 | 20°24 | 19°37 | 14°50 | 19°10 | 3°25 | 2°39 | 7°41 | 6°37 |
| W 13 | 15 23 16 | 22°15'24 | 13°42 | 27°11 | 2°33 | 20°14 | 12°50 | 20°21 | 19°39 | 14°50 | 19°12 | 3°20 | 2°36 | 7°48 | 6°42 |
| T 14 | 15 27 12 | 23°13'12 | 25°52 | 28°30 | 3°46 | 20°57 | 12°42 | 20°17 | 19°41 | 14°50 | 19°13 | 3°11 | 2°33 | 7°55 | 6°47 |
| F 15 | 15 31 9 | 24°10'59 | 7♏55 | 29°52 | 4°59 | 21°40 | 12°35 | 20°13 | 19°42 | 14°50 | 19°14 | 3° 1 | 2°30 | 8° 1 | 6°52 |
| S 16 | 15 35 5 | 25° 8'45 | 19°53 | 1♈16 | 6°13 | 22°23 | 12°28 | 20° 9 | 19°44 | 14°50 | 19°15 | 2°48 | 2°26 | 8° 8 | 6°57 |
| S 17 | 15 39 2 | 26° 6'29 | 1♌48 | 2°42 | 7°26 | 23° 6 | 12°20 | 20° 6 | 19°46 | 14°R50 | 19°16 | 2°34 | 2°23 | 8°15 | 7° 2 |
| M 18 | 15 42 58 | 27° 4'12 | 13°41 | 4°10 | 8°39 | 23°49 | 12°13 | 20° 2 | 19°48 | 14°50 | 19°18 | 2°20 | 2°20 | 8°22 | 7° 7 |
| T 19 | 15 46 55 | 28° 1'53 | 25°33 | 5°41 | 9°52 | 24°32 | 12° 6 | 19°58 | 19°50 | 14°50 | 19°19 | 2° 8 | 2°17 | 8°28 | 7°13 |
| W 20 | 15 50 52 | 28°59'33 | 7♌27 | 7°14 | 11° 6 | 25°15 | 11°59 | 19°54 | 19°51 | 14°50 | 19°20 | 1°57 | 2°14 | 8°35 | 7°18 |
| T 21 | 15 54 48 | 29°57'13 | 19°24 | 8°50 | 12°19 | 25°58 | 11°52 | 19°50 | 19°53 | 14°50 | 19°21 | 1°50 | 2°11 | 8°42 | 7°23 |
| F 22 | 15 58 45 | 0♏54'51 | 1♌29 | 10°27 | 13°32 | 26°41 | 11°45 | 19°46 | 19°55 | 14°50 | 19°22 | 1°45 | 2° 7 | 8°49 | 7°29 |
| S 23 | 16 2 41 | 1°52'28 | 13°44 | 12° 7 | 14°45 | 27°24 | 11°38 | 19°42 | 19°56 | 14°50 | 19°23 | 1°43 | 2° 4 | 8°55 | 7°34 |
| S 24 | 16 6 38 | 2°50'04 | 26°15 | 13°50 | 15°59 | 28° 6 | 11°31 | 19°38 | 19°58 | 14°50 | 19°24 | 1°42 | 2° 1 | 9° 2 | 7°40 |
| M 25 | 16 10 34 | 3°47'39 | 9♋ 5 | 15°34 | 17°12 | 28°49 | 11°25 | 19°34 | 19°59 | 14°49 | 19°25 | 1°42 | 1°58 | 9° 9 | 7°45 |
| T 26 | 16 14 31 | 4°45'13 | 22°20 | 17°21 | 18°25 | 29°32 | 11°18 | 19°29 | 20° 1 | 14°49 | 19°26 | 1°42 | 1°55 | 9°15 | 7°51 |
| W 27 | 16 18 27 | 5°42'47 | 6♏ 3 | 19°10 | 19°39 | 0♏14 | 11°12 | 19°25 | 20° 2 | 14°49 | 19°27 | 1°39 | 1°52 | 9°22 | 7°56 |
| T 28 | 16 22 24 | 6°40'19 | 20°15 | 21° 2 | 20°52 | 0°57 | 11° 5 | 19°21 | 20° 3 | 14°48 | 19°29 | 1°35 | 1°48 | 9°29 | 8° 2 |
| F 29 | 16 26 21 | 7°37'51 | 4♌54 | 22°55 | 22° 5 | 1°39 | 10°59 | 19°17 | 20° 5 | 14°48 | 19°30 | 1°27 | 1°45 | 9°36 | 8° 8 |
| S 30 | 16 30 17 | 8°35'22 | 19°56 | 24°51 | 23°19 | 2°22 | 10°53 | 19°12 | 20° 6 | 14°48 | 19°31 | 1°18 | 1°42 | 9°42 | 8°13 |
| S 31 | 16 34 14 | 9♏32'52 | 5♏12 | 26♏49 | 24♏32 | 3♏ 4 | 10♌47 | 19♌ 8 | 20♋ 7 | 14♌47 | 19♏32 | 1♋ 7 | 1♋39 | 9♌49 | 8♌19 |

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|------|----------|----------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|------|-------|-------|
| M 1 | 16 38 10 | 10♏30'21 | 20♏32 | 28♏49 | 25♏45 | 3♏46 | 10°R41 | 19°R 4 | 20♋ 8 | 14°R47 | 19♏32 | 0°R57 | 1♋36 | 9♌56 | 8♌25 |
| T 2 | 16 42 7 | 11°27'49 | 5♌42 | 0♏51 | 26°59 | 4°29 | 10♌36 | 18♌59 | 20°10 | 14♌46 | 19°33 | 0♋47 | 1°32 | 10° 2 | 8°31 |
| W 3 | 16 46 3 | 12°25'16 | 20°35 | 2°54 | 28°12 | 5°11 | 10°30 | 18°55 | 20°11 | 14°46 | 19°34 | 0°40 | 1°29 | 10° 9 | 8°37 |
| T 4 | 16 50 0 | 13°22'42 | 5♏ 2 | 5° 0 | 29°25 | 5°53 | 10°24 | 18°51 | 20°12 | 14°45 | 19°35 | 0°36 | 1°26 | 10°16 | 8°43 |
| F 5 | 16 53 57 | 14°20'06 | 19° 1 | 7° 7 | 0♏39 | 6°35 | 10°19 | 18°46 | 20°13 | 14°45 | 19°36 | 0°34 | 1°23 | 10°23 | 8°48 |
| S 6 | 16 57 53 | 15°17'30 | 2♏32 | 9°16 | 1°52 | 7°17 | 10°14 | 18°42 | 20°14 | 14°44 | 19°37 | 0°D34 | 1°20 | 10°29 | 8°54 |
| S 7 | 17 1 50 | 16°14'52 | 15°37 | 11°25 | 3° 5 | 7°59 | 10° 9 | 18°37 | 20°14 | 14°43 | 19°38 | 0°R34 | 1°17 | 10°36 | 9° 0 |
| M 8 | 17 5 46 | 17°12'13 | 28°20 | 13°36 | 4°19 | 8°41 | 10° 4 | 18°33 | 20°15 | 14°43 | 19°39 | 0°33 | 1°13 | 10°43 | 9° 6 |
| T 9 | 17 9 43 | 18° 9'33 | 10♌45 | 15°47 | 5°32 | 9°23 | 9°59 | 18°28 | 20°16 | 14°42 | 19°40 | 0°31 | 1°10 | 10°50 | 9°12 |
| W 10 | 17 13 39 | 19° 6'52 | 22°57 | 17°59 | 6°45 | 10° 5 | 9°55 | 18°24 | 20°17 | 14°41 | 19°41 | 0°27 | 1° 7 | 10°56 | 9°18 |
| T 11 | 17 17 36 | 20° 4'11 | 5♏ 0 | 20°11 | 7°59 | 10°47 | 9°50 | 18°20 | 20°18 | 14°41 | 19°41 | 0°20 | 1° 4 | 11° 3 | 9°25 |
| F 12 | 17 21 32 | 21° 1'28 | 16°57 | 22°23 | 9°12 | 11°28 | 9°46 | 18°15 | 20°18 | 14°40 | 19°42 | 0°10 | 1° 1 | 11°10 | 9°31 |
| S 13 | 17 25 29 | 21°58'45 | 28°51 | 24°35 | 10°26 | 12°10 | 9°42 | 18°11 | 20°19 | 14°39 | 19°43 | 29♌59 | 0°58 | 11°16 | 9°37 |
| S 14 | 17 29 25 | 22°56'01 | 10♌43 | 26°46 | 11°39 | 12°52 | 9°38 | 18° 6 | 20°19 | 14°38 | 19°44 | 29°47 | 0°54 | 11°23 | 9°43 |
| M 15 | 17 33 22 | 23°53'16 | 22°36 | 28°56 | 12°52 | 13°33 | 9°34 | 18° 2 | 20°20 | 14°37 | 19°44 | 29°35 | 0°51 | 11°30 | 9°49 |
| T 16 | 17 37 19 | 24°50'31 | 4♌31 | 1♌ 4 | 14° 6 | 14°15 | 9°31 | 17°58 | 20°20 | 14°37 | 19°45 | 29°24 | 0°48 | 11°37 | 9°55 |
| W 17 | 17 41 15 | 25°47'45 | 16°30 | 3°12 | 15°19 | 14°56 | 9°27 | 17°53 | 20°21 | 14°36 | 19°46 | 29°15 | 0°45 | 11°43 | 10° 1 |
| T 18 | 17 45 12 | 26°44'59 | 28°33 | 5°18 | 16°33 | 15°38 | 9°24 | 17°49 | 20°21 | 14°35 | 19°46 | 29° 8 | 0°42 | 11°50 | 10° 8 |
| F 19 | 17 49 8 | 27°42'13 | 10♌45 | 7°23 | 17°46 | 16°19 | 9°21 | 17°45 | 20°21 | 14°34 | 19°47 | 29° 4 | 0°38 | 11°57 | 10°14 |
| S 20 | 17 53 5 | 28°39'26 | 23° 6 | 9°25 | 19° 0 | 17° 0 | 9°18 | 17°40 | 20°22 | 14°33 | 19°48 | 29° 3 | 0°35 | 12° 4 | 10°20 |
| S 21 | 17 57 1 | 29°36'39 | 5♋41 | 11°26 | 20°13 | 17°42 | 9°15 | 17°36 | 20°22 | 14°32 | 19°48 | 29°D 3 | 0°32 | 12°10 | 10°26 |
| M 22 | 18 0 58 | 0♌33'52 | 18°33 | 13°25 | 21°27 | 18°23 | 9°12 | 17°32 | 20°22 | 14°31 | 19°49 | 29° 3 | 0°29 | 12°17 | 10°33 |
| T 23 | 18 4 55 | 1°31'05 | 1♏46 | 15°22 | 22°40 | 19° 4 | 9°10 | 17°27 | 20°22 | 14°30 | 19°50 | 29°R 4 | 0°26 | 12°24 | 10°39 |
| W 24 | 18 8 51 | 2°28'18 | 15°23 | 17°17 | 23°54 | 19°45 | 9° 8 | 17°23 | 20°22 | 14°29 | 19°50 | 29° 3 | 0°23 | 12°30 | 10°45 |
| T 25 | 18 12 48 | 3°25'31 | 29°25 | 19°10 | 25° 7 | 20°26 | 9° 5 | 17°19 | 20°R22 | 14°27 | 19°51 | 29° 0 | 0°19 | 12°37 | 10°52 |
| F 26 | 18 16 44 | 4°22'44 | 13♌53 | 21° 0 | 26°21 | 21° 7 | 9° 4 | 17°15 | 20°22 | 14°26 | 19°51 | 28°56 | 0°16 | 12°44 | 10°58 |
| S 27 | 18 20 41 | 5°19'57 | 28°42 | 22°49 | 27°34 | 21°49 | 9° 2 | 17°11 | 20°22 | 14°25 | 19°52 | 28°49 | 0°13 | 12°51 | 11° 4 |
| S 28 | 18 24 37 | 6°17'11 | 13♏47 | 24°35 | 28°48 | 22°29 | 9° 0 | 17° 7 | 20°22 | 14°24 | 19°52 | 28°42 | 0°10 | 12°57 | 11°11 |
| M 29 | 18 28 34 | 7°14'24 | 28°58 | 26°20 | 0♌ 2 | 23°10 | 8°59 | 17° 3 | 20°22 | 14°23 | 19°53 | 28°34 | 0° 7 | 13° 4 | 11°17 |
| T 30 | 18 32 30 | 8♌11'37 | 14♌ 5 | 28♌ 2 | 1♌15 | 23♏51 | 8♏58 | 16♌59 | 20♋22 | 14♌22 | 19♏53 | 28♌27 | 0♋ 4 | 13♌11 | 11♌23 |

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SWISS EPHEMERIS for the year 1840

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|------|----------|----------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------|--------|--------|--------|--------|------------------|--------------------|--------------------|
| W 1 | 18 36 27 | 9 ^h 8'50 | 28 ^h 58 | 29 ^h 42 | 2 ^h 29 | 24 ^h 32 | 8°R57 | 16°R55 | 20°R21 | 14°R20 | 19°V53 | 28°R22 | 0 ^h 0 | 13 ^h 17 | 11 ^h 30 |
| T 2 | 18 40 24 | 10° 6'03 | 13 ^h 29 | 1 ^h 20 | 3°42 | 25°13 | 8 ^h 56 | 16°47 | 20°21 | 14°19 | 19°54 | 28°19 | 29°57 | 13°24 | 11°36 |
| F 3 | 18 44 20 | 11° 3'16 | 27°34 | 2°55 | 4°56 | 25°54 | 8°55 | 16°47 | 20°21 | 14°18 | 19°54 | 28°D18 | 29°54 | 13°31 | 11°43 |
| S 4 | 18 48 17 | 12° 0'29 | 11 ^h 11 | 4°29 | 6°10 | 26°34 | 8°55 | 16°43 | 20°20 | 14°16 | 19°55 | 28°19 | 29°51 | 13°38 | 11°49 |
| S 5 | 18 52 13 | 12°57'41 | 24°22 | 6° 0 | 7°23 | 27°15 | 8°55 | 16°40 | 20°20 | 14°15 | 19°55 | 28°20 | 29°48 | 13°44 | 11°55 |
| M 6 | 18 56 10 | 13°54'53 | 7 ^h 9 | 7°29 | 8°37 | 27°56 | 8°D54 | 16°36 | 20°19 | 14°14 | 19°55 | 28°21 | 29°44 | 13°51 | 12° 2 |
| T 7 | 19 0 6 | 14°52'05 | 19°36 | 8°56 | 9°51 | 28°36 | 8°54 | 16°32 | 20°19 | 14°12 | 19°56 | 28°R21 | 29°41 | 13°58 | 12° 8 |
| W 8 | 19 4 3 | 15°49'16 | 1 ^h 48 | 10°21 | 11° 4 | 29°17 | 8°55 | 16°29 | 20°18 | 14°11 | 19°56 | 28°20 | 29°38 | 14° 4 | 12°14 |
| T 9 | 19 7 59 | 16°46'28 | 13°49 | 11°43 | 12°18 | 29°57 | 8°55 | 16°25 | 20°18 | 14°10 | 19°56 | 28°17 | 29°35 | 14°11 | 12°21 |
| F 10 | 19 11 56 | 17°43'40 | 25°44 | 13° 3 | 13°32 | 0 ^h 37 | 8°56 | 16°22 | 20°17 | 14° 8 | 19°56 | 28°12 | 29°32 | 14°18 | 12°27 |
| S 11 | 19 15 53 | 18°40'52 | 7 ^h 36 | 14°21 | 14°46 | 1°18 | 8°57 | 16°18 | 20°16 | 14° 7 | 19°56 | 28° 6 | 29°29 | 14°25 | 12°34 |
| S 12 | 19 19 49 | 19°38'04 | 19°29 | 15°36 | 15°59 | 1°58 | 8°58 | 16°15 | 20°15 | 14° 5 | 19°57 | 27°59 | 29°25 | 14°31 | 12°40 |
| M13 | 19 23 46 | 20°35'16 | 1 ^h 34 | 16°49 | 17°13 | 2°38 | 8°59 | 16°12 | 20°15 | 14° 4 | 19°57 | 27°52 | 29°22 | 14°38 | 12°46 |
| T 14 | 19 27 42 | 21°32'29 | 13°25 | 17°59 | 18°27 | 3°19 | 9° 0 | 16° 9 | 20°14 | 14° 3 | 19°57 | 27°46 | 29°19 | 14°45 | 12°53 |
| W15 | 19 31 39 | 22°29'41 | 25°32 | 19° 6 | 19°41 | 3°59 | 9° 2 | 16° 5 | 20°13 | 14° 1 | 19°57 | 27°41 | 29°16 | 14°52 | 12°59 |
| T 16 | 19 35 35 | 23°26'55 | 7 ^h 46 | 20°11 | 20°54 | 4°39 | 9° 3 | 16° 2 | 20°12 | 14° 0 | 19°57 | 27°38 | 29°13 | 14°58 | 13° 5 |
| F 17 | 19 39 32 | 24°24'08 | 20°11 | 21°13 | 22° 8 | 5°19 | 9° 5 | 15°59 | 20°11 | 13°58 | 19°57 | 27°36 | 29°10 | 15° 5 | 13°12 |
| S 18 | 19 43 28 | 25°21'22 | 2 ^h 46 | 22°13 | 23°22 | 5°59 | 9° 7 | 15°56 | 20°10 | 13°57 | 19°57 | 27°D36 | 29° 6 | 15°12 | 13°18 |
| S 19 | 19 47 25 | 26°18'37 | 15°34 | 23° 9 | 24°36 | 6°39 | 9° 9 | 15°54 | 20° 9 | 13°55 | 19°57 | 27°37 | 29° 3 | 15°18 | 13°24 |
| M20 | 19 51 22 | 27°15'53 | 28°36 | 24° 2 | 25°50 | 7°19 | 9°12 | 15°51 | 20° 8 | 13°53 | 19°R57 | 27°38 | 29° 0 | 15°25 | 13°31 |
| T 21 | 19 55 18 | 28°13'09 | 11°V55 | 24°52 | 27° 4 | 7°59 | 9°14 | 15°48 | 20° 6 | 13°52 | 19°57 | 27°40 | 28°57 | 15°32 | 13°37 |
| W22 | 19 59 15 | 29°10'27 | 25°33 | 25°38 | 28°18 | 8°39 | 9°17 | 15°45 | 20° 5 | 13°50 | 19°57 | 27°R41 | 28°54 | 15°39 | 13°43 |
| T 23 | 20 3 11 | 0 ^h 7'45 | 9 ^h 29 | 26°21 | 29°32 | 9°19 | 9°20 | 15°43 | 20° 4 | 13°49 | 19°57 | 27°40 | 28°50 | 15°45 | 13°49 |
| F 24 | 20 7 8 | 1° 5'04 | 23°44 | 27° 1 | 0 ^h 45 | 9°58 | 9°23 | 15°40 | 20° 3 | 13°47 | 19°57 | 27°39 | 28°47 | 15°52 | 13°56 |
| S 25 | 20 11 4 | 2° 2'25 | 8 ^h 16 | 27°36 | 1°59 | 10°38 | 9°26 | 15°38 | 20° 1 | 13°46 | 19°57 | 27°37 | 28°44 | 15°59 | 14° 2 |
| S 26 | 20 15 1 | 2°59'46 | 23° 0 | 28° 8 | 3°13 | 11°18 | 9°30 | 15°36 | 20° 0 | 13°44 | 19°57 | 27°33 | 28°41 | 16° 5 | 14° 8 |
| M27 | 20 18 58 | 3°57'09 | 7 ^h 50 | 28°35 | 4°27 | 11°57 | 9°33 | 15°34 | 19°59 | 13°42 | 19°57 | 27°30 | 28°38 | 16°12 | 14°14 |
| T 28 | 20 22 54 | 4°54'32 | 22°39 | 28°58 | 5°41 | 12°37 | 9°37 | 15°32 | 19°57 | 13°41 | 19°57 | 27°27 | 28°35 | 16°19 | 14°20 |
| W29 | 20 26 51 | 5°51'56 | 7 ^h 18 | 29°16 | 6°55 | 13°17 | 9°41 | 15°29 | 19°56 | 13°39 | 19°57 | 27°25 | 28°31 | 16°26 | 14°26 |
| T 30 | 20 30 47 | 6°49'21 | 21°40 | 29°30 | 8° 9 | 13°56 | 9°45 | 15°28 | 19°54 | 13°38 | 19°56 | 27°D25 | 28°28 | 16°32 | 14°33 |
| F 31 | 20 34 44 | 7 ^h 46'47 | 5 ^h 42 | 29 ^h 39 | 9 ^h 23 | 14 ^h 36 | 9 ^h 49 | 15°26 | 19°53 | 13°36 | 19°V56 | 27°25 | 28°25 | 16°39 | 14°39 |

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|------|----------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|--------|--------|--------|--------|-------|-------|-------|
| S 1 | 20 38 40 | 8 ^h 44'13 | 19 ^h 20 | 29°R43 | 10 ^h 37 | 15 ^h 15 | 9 ^h 54 | 15°R24 | 19°R51 | 13°R34 | 19°R56 | 27°25 | 28°22 | 16°46 | 14°45 |
| S 2 | 20 42 37 | 9°41'40 | 2 ^h 33 | 29 ^h 41 | 11°52 | 15°54 | 9°58 | 15°22 | 19°49 | 13°33 | 19°V56 | 27°27 | 28°19 | 16°52 | 14°51 |
| M 3 | 20 46 33 | 10°39'08 | 15°23 | 29°34 | 13° 6 | 16°34 | 10° 3 | 15°21 | 19°48 | 13°31 | 19°55 | 27°28 | 28°16 | 16°59 | 14°57 |
| T 4 | 20 50 30 | 11°36'37 | 27°54 | 29°22 | 14°20 | 17°13 | 10° 8 | 15°19 | 19°46 | 13°29 | 19°55 | 27°29 | 28°12 | 17° 6 | 15° 3 |
| W 5 | 20 54 27 | 12°34'06 | 10 ^h 8 | 29° 5 | 15°34 | 17°52 | 10°13 | 15°18 | 19°44 | 13°28 | 19°55 | 27°R30 | 28° 9 | 17°13 | 15° 9 |
| T 6 | 20 58 23 | 13°31'37 | 22°11 | 28°43 | 16°48 | 18°32 | 10°18 | 15°16 | 19°42 | 13°26 | 19°54 | 27°29 | 28° 6 | 17°19 | 15°15 |
| F 7 | 21 2 20 | 14°29'08 | 4 ^h 7 | 28°15 | 18° 2 | 19°11 | 10°24 | 15°15 | 19°41 | 13°25 | 19°54 | 27°29 | 28° 3 | 17°26 | 15°21 |
| S 8 | 21 6 16 | 15°26'40 | 15°59 | 27°43 | 19°16 | 19°50 | 10°29 | 15°14 | 19°39 | 13°23 | 19°54 | 27°27 | 28° 0 | 17°33 | 15°26 |
| S 9 | 21 10 13 | 16°24'13 | 27°52 | 27° 6 | 20°30 | 20°29 | 10°35 | 15°13 | 19°37 | 13°21 | 19°53 | 27°26 | 27°56 | 17°39 | 15°32 |
| M10 | 21 14 9 | 17°21'47 | 9 ^h 51 | 26°25 | 21°44 | 21° 8 | 10°41 | 15°12 | 19°35 | 13°20 | 19°53 | 27°24 | 27°53 | 17°46 | 15°38 |
| T 11 | 21 18 6 | 18°19'22 | 21°58 | 25°40 | 22°58 | 21°47 | 10°47 | 15°11 | 19°33 | 13°18 | 19°52 | 27°23 | 27°50 | 17°53 | 15°44 |
| W12 | 21 22 2 | 19°16'58 | 4 ^h 14 | 24°53 | 24°13 | 22°26 | 10°53 | 15°10 | 19°31 | 13°16 | 19°52 | 27°22 | 27°47 | 18° 0 | 15°50 |
| T 13 | 21 25 59 | 20°14'35 | 16°43 | 24° 3 | 25°27 | 23° 5 | 10°59 | 15°10 | 19°29 | 13°15 | 19°51 | 27°22 | 27°44 | 18° 6 | 15°55 |
| F 14 | 21 29 56 | 21°12'13 | 29°25 | 23°12 | 26°41 | 23°44 | 11° 5 | 15° 9 | 19°27 | 13°13 | 19°51 | 27°D21 | 27°41 | 18°13 | 16° 1 |
| S 15 | 21 33 52 | 22° 9'53 | 12 ^h 20 | 22°22 | 27°55 | 24°23 | 11°12 | 15° 9 | 19°25 | 13°12 | 19°50 | 27°22 | 27°37 | 18°20 | 16° 7 |
| S 16 | 21 37 49 | 23° 7'34 | 25°29 | 21°31 | 29° 9 | 25° 1 | 11°18 | 15° 8 | 19°23 | 13°10 | 19°50 | 27°22 | 27°34 | 18°26 | 16°12 |
| M17 | 21 41 45 | 24° 5'16 | 8 ^h 51 | 20°43 | 0 ^h 24 | 25°40 | 11°25 | 15° 8 | 19°21 | 13° 8 | 19°49 | 27°22 | 27°31 | 18°33 | 16°18 |
| T 18 | 21 45 42 | 25° 3'01 | 22°27 | 19°57 | 1°38 | 26°19 | 11°32 | 15° 8 | 19°19 | 13° 7 | 19°49 | 27°23 | 27°28 | 18°40 | 16°23 |
| W19 | 21 49 38 | 26° 0'46 | 6 ^h 15 | 19°15 | 2°52 | 26°57 | 11°39 | 15°D 8 | 19°17 | 13° 5 | 19°48 | 27°23 | 27°25 | 18°47 | 16°29 |
| T 20 | 21 53 35 | 26°58'34 | 20°14 | 18°38 | 4° 6 | 27°36 | 11°46 | 15° 8 | 19°15 | 13° 4 | 19°47 | 27°23 | 27°22 | 18°53 | 16°34 |
| F 21 | 21 57 31 | 27°56'23 | 4 ^h 24 | 18° 6 | 5°20 | 28°15 | 11°54 | 15° 8 | 19°12 | 13° 2 | 19°47 | 27°23 | 27°18 | 19° 0 | 16°40 |
| S 22 | 22 1 28 | 28°54'15 | 18°41 | 17°41 | 6°35 | 28°53 | 12° 1 | 15° 8 | 19°10 | 13° 1 | 19°46 | 27°23 | 27°15 | 19° 7 | 16°45 |
| S 23 | 22 5 25 | 29°52'08 | 3 ^h 4 | 17°22 | 7°49 | 29°32 | 12° 9 | 15° 8 | 19° 8 | 12°59 | 19°46 | 27°23 | 27°12 | 19°13 | 16°50 |
| M24 | 22 9 21 | 0 ^h 50'02 | 17°28 | 17°11 | 9° 3 | 0 ^h 21 | 12°17 | 15° 9 | 19° 6 | 12°57 | 19°45 | 27°23 | 27° 9 | 19°20 | 16°55 |
| T 25 | 22 13 18 | 1°47'59 | 1 ^h 50 | 17°D 7 | 10°18 | 0°49 | 12°24 | 15° 9 | 19° 4 | 12°56 | 19°44 | 27°24 | 27° 6 | 19°27 | 17° 1 |
| W26 | 22 17 14 | 2°45'57 | 16° 4 | 17°12 | 11°32 | 1°27 | 12°32 | 15°10 | 19° 1 | 12°54 | 19°43 | 27°24 | 27° 2 | 19°34 | 17° 6 |
| T 27 | 22 21 11 | 3°43'57 | 0 ^h 6 | 17°24 | 12°46 | 2° 5 | 12°40 | 15°10 | 18°59 | 12°53 | 19°43 | 27°R24 | 26°59 | 19°40 | 17°11 |
| F 28 | 22 25 7 | 4°41'58 | 13°53 | 17°45 | 14° 0 | 2°44 | 12°49 | 15°11 | 18°57 | 12°51 | 19°42 | 27°24 | 26°56 | 19°47 | 17°16 |
| S 29 | 22 29 4 | 5°40'01 | 27°22 | 18°14 | 15°15 | 3°22 | 12°57 | 15°12 | 18°54 | 12°50 | 19°41 | 27°23 | 26°53 | 19°54 | 17°21 |
| S 30 | 22 33 0 | 6°38'06 | 10 ^h 31 | 18°52 | 16°29 | 4° 0 | 13° 6 | 15°13 | 18°52 | 12°48 | 19°40 | 27°22 | 26°50 | 20° 0 | 17°26 |
| M31 | 22 36 57 | 7 ^h 36'12 | 23 ^h 20 | 19 ^h 37 | 17 ^h 43 | 4 ^h 38 | 13 ^h 14 | 15°14 | 18°50 | 12°47 | 19°V40 | 27°21 | 26°47 | 20° 7 | 17°31 |

Delta T = 5.52 sec.

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SWISS EPHEMERIS for the year 1840

SEPTEMBER 1840

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|
| T 1 | 22 40 53 | 8 ^h 34'19 | 5 ^m 51 | 20 ^o 29 | 18 ^m 58 | 5 ^o 16 | 13 ^m 23 | 15 ^o 15 | 18 ^o R47 | 12 ^o R46 | 19 ^o R39 | 27 ^o R19 | 26 ^o 43 | 20 ^o 14 | 17 ^o 36 |
| W 2 | 22 44 50 | 9 ^o 32'28 | 18 ^o 7 | 21 ^o 29 | 20 ^o 12 | 5 ^o 55 | 13 ^o 32 | 15 ^o 17 | 18 ^o K45 | 12 ^o 44 | 19 ^o 38 | 27 ^o 18 | 26 ^o 40 | 20 ^o 21 | 17 ^o 40 |
| T 3 | 22 48 47 | 10 ^o 30'39 | 0 ^h 11 | 22 ^o 36 | 21 ^o 26 | 6 ^o 33 | 13 ^o 41 | 15 ^o 18 | 18 ^o 43 | 12 ^o 43 | 19 ^o 37 | 27 ^o 17 | 26 ^o 37 | 20 ^o 27 | 17 ^o 45 |
| F 4 | 22 52 43 | 11 ^o 28'51 | 12 ^o 6 | 23 ^o 50 | 22 ^o 41 | 7 ^o 11 | 13 ^o 50 | 15 ^o 19 | 18 ^o 40 | 12 ^o 41 | 19 ^o 36 | 27 ^o D17 | 26 ^o 34 | 20 ^o 34 | 17 ^o 50 |
| S 5 | 22 56 40 | 12 ^o 27'04 | 23 ^o 59 | 25 ^o 9 | 23 ^o 55 | 7 ^o 49 | 13 ^o 59 | 15 ^o 21 | 18 ^o 38 | 12 ^o 40 | 19 ^o 35 | 27 ^o 17 | 26 ^o 31 | 20 ^o 41 | 17 ^o 54 |
| S 6 | 23 0 36 | 13 ^o 25'20 | 5 ^h 53 | 26 ^o 34 | 25 ^o 10 | 8 ^o 26 | 14 ^o 8 | 15 ^o 23 | 18 ^o 36 | 12 ^o 39 | 19 ^o 35 | 27 ^o 18 | 26 ^o 28 | 20 ^o 47 | 17 ^o 59 |
| M 7 | 23 4 33 | 14 ^o 23'36 | 17 ^o 53 | 28 ^o 4 | 26 ^o 24 | 9 ^o 4 | 14 ^o 17 | 15 ^o 24 | 18 ^o 33 | 12 ^o 37 | 19 ^o 34 | 27 ^o 20 | 26 ^o 24 | 20 ^o 54 | 18 ^o 4 |
| T 8 | 23 8 29 | 15 ^o 21'54 | 0 ^h 4 | 29 ^o 38 | 27 ^o 38 | 9 ^o 42 | 14 ^o 27 | 15 ^o 26 | 18 ^o 31 | 12 ^o 36 | 19 ^o 33 | 27 ^o 21 | 26 ^o 21 | 21 ^o 1 | 18 ^o 8 |
| W 9 | 23 12 26 | 16 ^o 20'14 | 12 ^o 28 | 1 ^h 16 | 28 ^o 53 | 10 ^o 20 | 14 ^o 36 | 15 ^o 28 | 18 ^o 28 | 12 ^o 35 | 19 ^o 32 | 27 ^o 22 | 26 ^o 18 | 21 ^o 8 | 18 ^o 12 |
| T 10 | 23 16 23 | 17 ^o 18'36 | 25 ^o 9 | 2 ^o 57 | 0 ^h 7 | 10 ^o 58 | 14 ^o 46 | 15 ^o 30 | 18 ^o 26 | 12 ^o 33 | 19 ^o 31 | 27 ^o R23 | 26 ^o 15 | 21 ^o 14 | 18 ^o 17 |
| F 11 | 23 20 19 | 18 ^o 16'59 | 8 ^h 8 | 4 ^o 41 | 1 ^o 21 | 11 ^o 35 | 14 ^o 56 | 15 ^o 32 | 18 ^o 24 | 12 ^o 32 | 19 ^o 30 | 27 ^o 23 | 26 ^o 12 | 21 ^o 21 | 18 ^o 21 |
| S 12 | 23 24 16 | 19 ^o 15'24 | 21 ^o 25 | 6 ^o 27 | 2 ^o 36 | 12 ^o 13 | 15 ^o 6 | 15 ^o 35 | 18 ^o 21 | 12 ^o 31 | 19 ^o 29 | 27 ^o 21 | 26 ^o 8 | 21 ^o 28 | 18 ^o 25 |
| S 13 | 23 28 12 | 20 ^o 13'50 | 4 ^h 59 | 8 ^o 15 | 3 ^o 50 | 12 ^o 51 | 15 ^o 16 | 15 ^o 37 | 18 ^o 19 | 12 ^o 30 | 19 ^o 28 | 27 ^o 19 | 26 ^o 5 | 21 ^o 34 | 18 ^o 29 |
| M14 | 23 32 9 | 21 ^o 12'19 | 18 ^o 49 | 10 ^o 5 | 5 ^o 4 | 13 ^o 28 | 15 ^o 26 | 15 ^o 39 | 18 ^o 16 | 12 ^o 28 | 19 ^o 27 | 27 ^o 16 | 26 ^o 2 | 21 ^o 41 | 18 ^o 33 |
| T 15 | 23 36 5 | 22 ^o 10'50 | 2 ^h 50 | 11 ^o 56 | 6 ^o 19 | 14 ^o 6 | 15 ^o 36 | 15 ^o 42 | 18 ^o 14 | 12 ^o 27 | 19 ^o 26 | 27 ^o 12 | 25 ^o 59 | 21 ^o 48 | 18 ^o 37 |
| W16 | 23 40 2 | 23 ^o 9'23 | 16 ^o 59 | 13 ^o 47 | 7 ^o 33 | 14 ^o 43 | 15 ^o 46 | 15 ^o 44 | 18 ^o 12 | 12 ^o 26 | 19 ^o 25 | 27 ^o 9 | 25 ^o 56 | 21 ^o 54 | 18 ^o 41 |
| T 17 | 23 43 58 | 24 ^o 7'58 | 1 ^h 12 | 15 ^o 39 | 8 ^o 47 | 15 ^o 21 | 15 ^o 57 | 15 ^o 47 | 18 ^o 9 | 12 ^o 25 | 19 ^o 24 | 27 ^o 6 | 25 ^o 53 | 22 ^o 1 | 18 ^o 45 |
| F 18 | 23 47 55 | 25 ^o 6'36 | 15 ^o 27 | 17 ^o 31 | 10 ^o 2 | 15 ^o 58 | 16 ^o 7 | 15 ^o 50 | 18 ^o 7 | 12 ^o 24 | 19 ^o 23 | 27 ^o 4 | 25 ^o 49 | 22 ^o 8 | 18 ^o 49 |
| S 19 | 23 51 51 | 26 ^o 5'16 | 29 ^o 39 | 19 ^o 22 | 11 ^o 16 | 16 ^o 36 | 16 ^o 18 | 15 ^o 53 | 18 ^o 4 | 12 ^o 23 | 19 ^o 22 | 27 ^o D 4 | 25 ^o 46 | 22 ^o 15 | 18 ^o 52 |
| S 20 | 23 55 48 | 27 ^o 3'58 | 13 ^h 47 | 21 ^o 14 | 12 ^o 31 | 17 ^o 13 | 16 ^o 28 | 15 ^o 55 | 18 ^o 2 | 12 ^o 22 | 19 ^o 21 | 27 ^o 5 | 25 ^o 43 | 22 ^o 21 | 18 ^o 56 |
| M21 | 23 59 45 | 28 ^o 2'43 | 27 ^o 50 | 23 ^o 6 | 13 ^o 45 | 17 ^o 50 | 16 ^o 39 | 15 ^o 59 | 18 ^o 0 | 12 ^o 21 | 19 ^o 20 | 27 ^o 6 | 25 ^o 40 | 22 ^o 28 | 19 ^o 0 |
| T 22 | 0 3 41 | 29 ^o 1'29 | 11 ^h 45 | 24 ^o 56 | 14 ^o 59 | 18 ^o 27 | 16 ^o 50 | 16 ^o 2 | 17 ^o 57 | 12 ^o 20 | 19 ^o 19 | 27 ^o 8 | 25 ^o 37 | 22 ^o 35 | 19 ^o 3 |
| W23 | 0 7 38 | 0 ^h 0'18 | 25 ^o 32 | 26 ^o 47 | 16 ^o 14 | 19 ^o 5 | 17 ^o 0 | 16 ^o 5 | 17 ^o 55 | 12 ^o 19 | 19 ^o 18 | 27 ^o R 9 | 25 ^o 34 | 22 ^o 41 | 19 ^o 7 |
| T 24 | 0 11 34 | 0 ^o 59'09 | 9 ^h 9 | 28 ^o 36 | 17 ^o 28 | 19 ^o 42 | 17 ^o 11 | 16 ^o 8 | 17 ^o 53 | 12 ^o 18 | 19 ^o 17 | 27 ^o 8 | 25 ^o 30 | 22 ^o 48 | 19 ^o 10 |
| F 25 | 0 15 31 | 1 ^o 58'02 | 22 ^o 33 | 0 ^h 25 | 18 ^o 42 | 20 ^o 19 | 17 ^o 22 | 16 ^o 11 | 17 ^o 50 | 12 ^o 17 | 19 ^o 16 | 27 ^o 6 | 25 ^o 27 | 22 ^o 55 | 19 ^o 13 |
| S 26 | 0 19 27 | 2 ^o 56'57 | 5 ^h 45 | 2 ^o 13 | 19 ^o 57 | 20 ^o 56 | 17 ^o 34 | 16 ^o 15 | 17 ^o 48 | 12 ^o 16 | 19 ^o 14 | 27 ^o 2 | 25 ^o 24 | 23 ^o 2 | 19 ^o 16 |
| S 27 | 0 23 24 | 3 ^o 55'54 | 18 ^o 41 | 4 ^o 0 | 21 ^o 11 | 21 ^o 33 | 17 ^o 45 | 16 ^o 18 | 17 ^o 46 | 12 ^o 15 | 19 ^o 13 | 26 ^o 56 | 25 ^o 21 | 23 ^o 8 | 19 ^o 19 |
| M28 | 0 27 20 | 4 ^o 54'53 | 1 ^h 13 | 5 ^o 47 | 22 ^o 26 | 22 ^o 10 | 17 ^o 56 | 16 ^o 22 | 17 ^o 44 | 12 ^o 14 | 19 ^o 12 | 26 ^o 49 | 25 ^o 18 | 23 ^o 15 | 19 ^o 22 |
| T 29 | 0 31 17 | 5 ^o 53'54 | 13 ^o 50 | 7 ^o 33 | 23 ^o 40 | 22 ^o 47 | 18 ^o 7 | 16 ^o 26 | 17 ^o 41 | 12 ^o 14 | 19 ^o 11 | 26 ^o 42 | 25 ^o 14 | 23 ^o 22 | 19 ^o 25 |
| W30 | 0 35 14 | 6 ^o 52'57 | 26 ^h 11 | 9 ^h 17 | 24 ^o 54 | 23 ^o 24 | 18 ^h 19 | 16 ^h 29 | 17 ^h 39 | 12 ^h 13 | 19 ^h 10 | 26 ^h 36 | 25 ^h 11 | 23 ^h 28 | 19 ^h 28 |

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OCTOBER 1840

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|
| T 1 | 0 39 10 | 7 ^h 52'02 | 8 ^h 5 | 11 ^h 1 | 26 ^h 9 | 24 ^h 1 | 18 ^h 30 | 16 ^h 33 | 17 ^o R37 | 12 ^o R12 | 19 ^o R 9 | 26 ^o R30 | 25 ^o 8 | 23 ^o 35 | 19 ^o 31 |
| F 2 | 0 43 7 | 8 ^o 51'09 | 20 ^o 0 | 12 ^o 44 | 27 ^o 23 | 24 ^o 37 | 18 ^o 42 | 16 ^o 37 | 17 ^o K35 | 12 ^o 11 | 19 ^o 8 | 26 ^o 27 | 25 ^o 5 | 23 ^o 42 | 19 ^o 34 |
| S 3 | 0 47 3 | 9 ^o 50'17 | 1 ^h 35 | 14 ^o 27 | 28 ^o 37 | 25 ^o 14 | 18 ^o 54 | 16 ^o 41 | 17 ^o 32 | 12 ^o 11 | 19 ^o 7 | 26 ^o 25 | 25 ^o 2 | 23 ^o 49 | 19 ^o 36 |
| S 4 | 0 51 0 | 10 ^o 49'27 | 13 ^o 43 | 16 ^o 8 | 29 ^o 52 | 25 ^o 51 | 19 ^o 5 | 16 ^o 45 | 17 ^o 30 | 12 ^o 10 | 19 ^o 5 | 26 ^o D24 | 24 ^o 59 | 23 ^o 55 | 19 ^o 39 |
| M 5 | 0 54 56 | 11 ^o 48'39 | 25 ^o 42 | 17 ^o 49 | 1 ^h 6 | 26 ^o 28 | 19 ^o 17 | 16 ^o 50 | 17 ^o 28 | 12 ^o 9 | 19 ^o 4 | 26 ^o 25 | 24 ^o 55 | 24 ^o 2 | 19 ^o 41 |
| T 6 | 0 58 53 | 12 ^o 47'53 | 7 ^h 33 | 19 ^o 28 | 2 ^o 20 | 27 ^o 4 | 19 ^o 29 | 16 ^o 54 | 17 ^o 26 | 12 ^o 9 | 19 ^o 3 | 26 ^o 26 | 24 ^o 52 | 24 ^o 9 | 19 ^o 44 |
| W 7 | 1 2 49 | 13 ^o 47'09 | 20 ^o 19 | 21 ^o 7 | 3 ^o 35 | 27 ^o 41 | 19 ^o 41 | 16 ^o 58 | 17 ^o 24 | 12 ^o 8 | 19 ^o 2 | 26 ^o R28 | 24 ^o 49 | 24 ^o 15 | 19 ^o 46 |
| T 8 | 1 6 46 | 14 ^o 46'26 | 3 ^h 8 | 22 ^o 46 | 4 ^o 49 | 28 ^o 17 | 19 ^o 53 | 17 ^o 3 | 17 ^o 22 | 12 ^o 8 | 19 ^o 1 | 26 ^o 27 | 24 ^o 46 | 24 ^o 22 | 19 ^o 48 |
| F 9 | 1 10 43 | 15 ^o 45'45 | 16 ^o 15 | 24 ^o 23 | 6 ^o 3 | 28 ^o 54 | 20 ^o 5 | 17 ^o 7 | 17 ^o 20 | 12 ^o 7 | 19 ^o 0 | 26 ^o 26 | 24 ^o 43 | 24 ^o 29 | 19 ^o 50 |
| S 10 | 1 14 39 | 16 ^o 45'07 | 29 ^o 49 | 26 ^o 0 | 7 ^o 18 | 29 ^o 30 | 20 ^o 17 | 17 ^o 12 | 17 ^o 18 | 12 ^o 7 | 18 ^o 59 | 26 ^o 22 | 24 ^o 39 | 24 ^o 35 | 19 ^o 52 |
| S 11 | 1 18 36 | 17 ^o 44'30 | 13 ^h 46 | 27 ^o 36 | 8 ^o 32 | 0 ^h 6 | 20 ^o 29 | 17 ^o 16 | 17 ^o 16 | 12 ^o 6 | 18 ^o 57 | 26 ^o 15 | 24 ^o 36 | 24 ^o 42 | 19 ^o 54 |
| M12 | 1 22 32 | 18 ^o 43'55 | 28 ^o 2 | 29 ^o 11 | 9 ^o 46 | 0 ^o 43 | 20 ^o 41 | 17 ^o 21 | 17 ^o 14 | 12 ^o 6 | 18 ^o 56 | 26 ^o 8 | 24 ^o 33 | 24 ^o 49 | 19 ^o 56 |
| T 13 | 1 26 29 | 19 ^o 43'22 | 12 ^h 32 | 0 ^h 46 | 11 ^o 1 | 1 ^o 19 | 20 ^o 53 | 17 ^o 26 | 17 ^o 12 | 12 ^o 5 | 18 ^o 55 | 25 ^o 59 | 24 ^o 30 | 24 ^o 56 | 19 ^o 58 |
| W14 | 1 30 25 | 20 ^o 42'51 | 27 ^o 9 | 2 ^o 20 | 12 ^o 15 | 1 ^o 55 | 21 ^o 6 | 17 ^o 30 | 17 ^o 10 | 12 ^o 5 | 18 ^o 54 | 25 ^o 50 | 24 ^o 27 | 25 ^o 2 | 19 ^o 59 |
| T 15 | 1 34 22 | 21 ^o 42'23 | 11 ^h 46 | 3 ^o 54 | 13 ^o 29 | 2 ^o 31 | 21 ^o 18 | 17 ^o 35 | 17 ^o 8 | 12 ^o 5 | 18 ^o 53 | 25 ^o 43 | 24 ^o 24 | 25 ^o 9 | 20 ^o 1 |
| F 16 | 1 38 18 | 22 ^o 41'57 | 26 ^o 17 | 5 ^o 26 | 14 ^o 44 | 3 ^o 7 | 21 ^o 30 | 17 ^o 40 | 17 ^o 6 | 12 ^o 4 | 18 ^o 52 | 25 ^o 38 | 24 ^o 20 | 25 ^o 16 | 20 ^o 3 |
| S 17 | 1 42 15 | 23 ^o 41'34 | 10 ^h 36 | 6 ^o 58 | 15 ^o 58 | 3 ^o 43 | 21 ^o 43 | 17 ^o 45 | 17 ^o 5 | 12 ^o 4 | 18 ^o 51 | 25 ^o 35 | 24 ^o 17 | 25 ^o 22 | 20 ^o 4 |
| S | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1840

NOVEMBER 1840

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|------|---------|----------|-------|--------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--------|---|
| S 1 | 2 41 23 | 8♁39'56 | 21♁43 | 28♁44 | 4♁32 | 12♁37 | 24♁55 | 19♁8 | 16♁R42 | 12♁4 | 18♁R34 | 24♁R 2 | 23♁30 | 27♁3 | 20♁R14 | |
| M 2 | 2 45 20 | 9°40'04 | 3♁39 | 0♁5 | 5°46 | 13°12 | 25°8 | 19°14 | 16♁K41 | 12°5 | 18♁Y33 | 24♁1 | 23°26 | 27°10 | 20♁14 | |
| T 3 | 2 49 16 | 10°40'14 | 15°46 | 1°25 | 7°0 | 13°47 | 25°21 | 19°20 | 16°40 | 12°5 | 18°32 | 24°D 1 | 23°23 | 27°16 | 20°13 | |
| W 4 | 2 53 13 | 11°40'25 | 28°9 | 2°44 | 8°14 | 14°22 | 25°34 | 19°26 | 16°39 | 12°5 | 18°31 | 24°R 1 | 23°20 | 27°23 | 20°13 | |
| T 5 | 2 57 10 | 12°40'38 | 10♁53 | 4°1 | 9°28 | 14°57 | 25°47 | 19°32 | 16°38 | 12°6 | 18°30 | 24°0 | 23°17 | 27°30 | 20°13 | |
| F 6 | 3 1 6 | 13°40'52 | 24°4 | 5°17 | 10°43 | 15°32 | 26°0 | 19°38 | 16°37 | 12°6 | 18°29 | 23°57 | 23°14 | 27°36 | 20°12 | |
| S 7 | 3 5 3 | 14°41'08 | 7♁43 | 6°32 | 11°57 | 16°7 | 26°14 | 19°44 | 16°36 | 12°7 | 18°27 | 23°51 | 23°11 | 27°43 | 20°12 | |
| S 8 | 3 8 59 | 15°41'26 | 21°51 | 7°45 | 13°11 | 16°42 | 26°27 | 19°51 | 16°35 | 12°7 | 18°26 | 23°43 | 23°7 | 27°50 | 20°11 | |
| M 9 | 3 12 56 | 16°41'45 | 6♁24 | 8°55 | 14°25 | 17°16 | 26°40 | 19°57 | 16°34 | 12°8 | 18°25 | 23°32 | 23°4 | 27°56 | 20°10 | |
| T 10 | 3 16 52 | 17°42'05 | 21°16 | 10°4 | 15°39 | 17°51 | 26°53 | 20°3 | 16°33 | 12°8 | 18°24 | 23°20 | 23°1 | 28°3 | 20°9 | |
| W 11 | 3 20 49 | 18°42'28 | 6♁19 | 11°10 | 16°53 | 18°25 | 27°7 | 20°10 | 16°33 | 12°9 | 18°24 | 23°9 | 22°58 | 28°10 | 20°8 | |
| T 12 | 3 24 45 | 19°42'52 | 21°21 | 12°13 | 18°7 | 19°0 | 27°20 | 20°16 | 16°32 | 12°9 | 18°23 | 22°59 | 22°55 | 28°17 | 20°7 | |
| F 13 | 3 28 42 | 20°43'18 | 6♁15 | 13°14 | 19°21 | 19°34 | 27°33 | 20°22 | 16°31 | 12°10 | 18°22 | 22°51 | 22°51 | 28°23 | 20°6 | |
| S 14 | 3 32 39 | 21°43'46 | 20°52 | 14°10 | 20°35 | 20°8 | 27°47 | 20°29 | 16°31 | 12°11 | 18°21 | 22°46 | 22°48 | 28°30 | 20°5 | |
| S 15 | 3 36 35 | 22°44'16 | 5♁9 | 15°3 | 21°49 | 20°43 | 28°0 | 20°35 | 16°30 | 12°11 | 18°20 | 22°44 | 22°45 | 28°37 | 20°4 | |
| M 16 | 3 40 32 | 23°44'47 | 19°3 | 15°51 | 23°3 | 21°17 | 28°13 | 20°42 | 16°30 | 12°12 | 18°19 | 22°44 | 22°42 | 28°43 | 20°2 | |
| T 17 | 3 44 28 | 24°45'21 | 2♁37 | 16°34 | 24°17 | 21°51 | 28°27 | 20°49 | 16°29 | 12°13 | 18°18 | 22°43 | 22°39 | 28°50 | 20°1 | |
| W 18 | 3 48 25 | 25°45'56 | 15°51 | 17°12 | 25°31 | 22°25 | 28°40 | 20°55 | 16°29 | 12°14 | 18°17 | 22°42 | 22°36 | 28°57 | 19°59 | |
| T 19 | 3 52 21 | 26°46'33 | 28°49 | 17°43 | 26°45 | 22°59 | 28°53 | 21°2 | 16°28 | 12°15 | 18°16 | 22°39 | 22°32 | 29°3 | 19°58 | |
| F 20 | 3 56 18 | 27°47'11 | 11♁33 | 18°6 | 27°59 | 23°33 | 29°7 | 21°8 | 16°28 | 12°15 | 18°15 | 22°33 | 22°29 | 29°10 | 19°56 | |
| S 21 | 4 0 14 | 28°47'51 | 24°5 | 18°22 | 29°13 | 24°6 | 29°20 | 21°15 | 16°28 | 12°16 | 18°14 | 22°24 | 22°26 | 29°17 | 19°54 | |
| S 22 | 4 4 11 | 29°48'33 | 6♁28 | 18°R30 | 0♁27 | 24°40 | 29°34 | 21°22 | 16°27 | 12°17 | 18°14 | 22°13 | 22°23 | 29°24 | 19°52 | |
| M 23 | 4 8 8 | 0♁49'17 | 18°43 | 18°27 | 1°41 | 25°13 | 29°47 | 21°29 | 16°27 | 12°18 | 18°13 | 21°59 | 22°20 | 29°30 | 19°50 | |
| T 24 | 4 12 4 | 1°50'02 | 0♁49 | 18°15 | 2°55 | 25°47 | 0♁0 | 21°35 | 16°27 | 12°19 | 18°12 | 21°44 | 22°17 | 29°37 | 19°48 | |
| W 25 | 4 16 1 | 2°50'48 | 12°49 | 17°52 | 4°9 | 26°20 | 0°14 | 21°42 | 16°27 | 12°20 | 18°11 | 21°30 | 22°13 | 29°44 | 19°46 | |
| T 26 | 4 19 57 | 3°51'35 | 24°43 | 17°18 | 5°23 | 26°54 | 0°27 | 21°49 | 16°D27 | 12°21 | 18°10 | 21°17 | 22°10 | 29°50 | 19°43 | |
| F 27 | 4 23 54 | 4°52'24 | 6♁33 | 16°33 | 6°37 | 27°27 | 0°41 | 21°56 | 16°27 | 12°23 | 18°10 | 21°6 | 22°7 | 29°57 | 19°41 | |
| S 28 | 4 27 50 | 5°53'14 | 18°21 | 15°38 | 7°51 | 28°0 | 0°54 | 22°3 | 16°27 | 12°24 | 18°9 | 20°59 | 22°4 | 0♁4 | 19°39 | |
| S 29 | 4 31 47 | 6°54'04 | 0♁10 | 14°33 | 9°4 | 28°33 | 1°7 | 22°10 | 16°27 | 12°25 | 18°8 | 20°54 | 22°1 | 0°10 | 19°36 | |
| M 30 | 4 35 43 | 7°54'56 | 12♁4 | 13♁21 | 10♁18 | 29°17 | 1♁21 | 22♁17 | 16♁28 | 12♁26 | 18♁8 | 20♁52 | 21♁57 | 0♁17 | 19♁34 | |

Delta T = 5.55 sec.

DECEMBER 1840

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|------|-------|--------|-------|--------|--------|-------|------|--------|---|
| T 1 | 4 39 40 | 8♁55'48 | 24♁8 | 12°R 2 | 11♁32 | 29♁39 | 1♁34 | 22♁24 | 16♁K28 | 12♁27 | 18°R 7 | 20°D52 | 21♁54 | 0♁24 | 19°R31 | |
| W 2 | 4 43 37 | 9°56'42 | 6♁27 | 10♁40 | 12°46 | 0♁11 | 1°47 | 22°31 | 16°28 | 12°29 | 18°Y 6 | 20°R52 | 21°51 | 0°30 | 19°128 | |
| T 3 | 4 47 33 | 10°57'36 | 19°6 | 9°17 | 13°59 | 0°44 | 2°1 | 22°38 | 16°28 | 12°30 | 18°6 | 20♁52 | 21°48 | 0°37 | 19°25 | |
| F 4 | 4 51 30 | 11°58'31 | 2♁10 | 7°56 | 15°13 | 1°16 | 2°14 | 22°45 | 16°29 | 12°31 | 18°5 | 20°50 | 21°45 | 0°44 | 19°22 | |
| S 5 | 4 55 26 | 12°59'26 | 15°43 | 6°40 | 16°27 | 1°49 | 2°27 | 22°52 | 16°29 | 12°33 | 18°4 | 20°46 | 21°42 | 0°51 | 19°19 | |
| S 6 | 4 59 23 | 14°0'23 | 29°46 | 5°31 | 17°40 | 2°21 | 2°41 | 22°59 | 16°30 | 12°34 | 18°4 | 20°40 | 21°38 | 0°57 | 19°16 | |
| M 7 | 5 3 19 | 15°1'20 | 14♁19 | 4°31 | 18°54 | 2°53 | 2°54 | 23°6 | 16°30 | 12°35 | 18°3 | 20°31 | 21°35 | 1°4 | 19°13 | |
| T 8 | 5 7 16 | 16°2'18 | 29°17 | 3°42 | 20°7 | 3°25 | 3°7 | 23°13 | 16°31 | 12°37 | 18°3 | 20°21 | 21°32 | 1°11 | 19°10 | |
| W 9 | 5 11 12 | 17°3'16 | 14♁30 | 3°3 | 21°21 | 3°57 | 3°20 | 23°20 | 16°32 | 12°38 | 18°2 | 20°11 | 21°29 | 1°17 | 19°7 | |
| T 10 | 5 15 9 | 18°4'16 | 29°49 | 2°36 | 22°35 | 4°29 | 3°34 | 23°27 | 16°32 | 12°40 | 18°2 | 20°2 | 21°26 | 1°24 | 19°4 | |
| F 11 | 5 19 6 | 19°5'16 | 15♁2 | 2°19 | 23°48 | 5°1 | 3°47 | 23°34 | 16°33 | 12°41 | 18°1 | 19°55 | 21°23 | 1°31 | 19°0 | |
| S 12 | 5 23 2 | 20°6'18 | 29°59 | 2°D14 | 25°1 | 5°32 | 4°0 | 23°41 | 16°34 | 12°43 | 18°1 | 19°51 | 21°19 | 1°37 | 18°57 | |
| S 13 | 5 26 59 | 21°7'20 | 14♁33 | 2°18 | 26°15 | 6°4 | 4°13 | 23°48 | 16°35 | 12°44 | 18°0 | 19°D49 | 21°16 | 1°44 | 18°53 | |
| M 14 | 5 30 55 | 22°8'23 | 28°41 | 2°32 | 27°28 | 6°35 | 4°26 | 23°55 | 16°36 | 12°46 | 18°0 | 19°49 | 21°13 | 1°51 | 18°50 | |
| T 15 | 5 34 52 | 23°9'27 | 12♁23 | 2°55 | 28°41 | 7°6 | 4°39 | 24°2 | 16°37 | 12°47 | 18°0 | 19°50 | 21°10 | 1°57 | 18°46 | |
| W 16 | 5 38 48 | 24°10'32 | 25°39 | 3°25 | 29°55 | 7°38 | 4°52 | 24°9 | 16°38 | 12°49 | 17°59 | 19°R51 | 21°7 | 2°4 | 18°43 | |
| T 17 | 5 42 45 | 25°11'38 | 8♁34 | 4°2 | 1♁8 | 8°9 | 5°5 | 24°16 | 16°39 | 12°51 | 17°59 | 19°50 | 21°3 | 2°11 | 18°39 | |
| F 18 | 5 46 42 | 26°12'45 | 21°11 | 4°46 | 2°21 | 8°39 | 5°18 | 24°23 | 16°40 | 12°52 | 17°58 | 19°46 | 21°0 | 2°18 | 18°35 | |
| S 19 | 5 50 38 | 27°13'52 | 3♁34 | 5°34 | 3°34 | 9°10 | 5°31 | 24°30 | 16°41 | 12°54 | 17°58 | 19°41 | 20°57 | 2°24 | 18°31 | |
| S 20 | 5 54 35 | 28°15'00 | 15°45 | 6°28 | 4°47 | 9°41 | 5°44 | 24°38 | 16°42 | 12°56 | 17°58 | 19°33 | 20°54 | 2°31 | 18°27 | |
| M 21 | 5 58 31 | 29°16'09 | 27°49 | 7°26 | 6°0 | 10°11 | 5°57 | 24°45 | 16°44 | 12°58 | 17°58 | 19°24 | 20°51 | 2°38 | 18°24 | |
| T 22 | 6 2 28 | 0♁17'19 | 9♁46 | 8°28 | 7°13 | 10°41 | 6°10 | 24°52 | 16°45 | 12°59 | 17°57 | 19°13 | 20°48 | 2°44 | 18°20 | |
| W 23 | 6 6 24 | 1°18'29 | 21°39 | 9°32 | 8°26 | 11°12 | 6°23 | 24°59 | 16°46 | 13°1 | 17°57 | 19°3 | 20°44 | 2°51 | 18°16 | |
| T 24 | 6 10 21 | 2°19'39 | 3♁30 | 10°40 | 9°39 | 11°42 | 6°36 | 25°6 | 16°48 | 13°3 | 17°57 | 18°55 | 20°41 | 2°58 | 18°12 | |
| F 25 | 6 14 17 | 3°20'50 | 15°19 | 11°51 | 10°52 | 12°11 | 6°48 | 25°13 | 16°49 | 13°5 | 17°57 | 18°48 | 20°38 | 3°4 | 18°8 | |
| S 26 | 6 18 14 | 4°22'00 | 27°9 | 13°3 | 12°5 | 12°41 | 7°1 | 25°20 | 16°51 | 13°7 | 17°57 | 18°43 | 20°35 | 3°11 | 18°4 | |
| S 27 | 6 22 11 | 5°23'11 | 9♁2 | 14°18 | 13°18 | 13°11 | 7°14 | 25°27 | 16°52 | 13°9 | 17°56 | 18°40 | 20°32 | 3°18 | 17°59 | |
| M 28 | 6 26 7 | 6°24'22 | 21°1 | 15°34 | 14°30 | 13°40 | 7°26 | 25°34 | 16°54 | 13°11 | 17°56 | 18°D40 | 20°29 | 3°24 | 17°55 | |
| T 29 | 6 30 4 | 7°25'33 | 3♁8 | 16°52 | 15°43 | 14°9 | 7°39 | 25°41 | 16°55 | 13°12 | 17°56 | 18°40 | 20°25 | 3°31 | 17°51 | |
| W 30 | 6 34 0 | 8°26'44 | 15°28 | 18°12 | 16°56 | 14°38 | 7°51 | 25°48 | 16°57 | 13°14 | 17°56 | 18°42 | 20°22 | 3°38 | 17°47 | |
| T 31 | 6 37 57 | 9♁27'54 | 28♁6 | 19♁33 | 18♁8 | 15♁7 | 8♁4 | 25♁55 | 16♁59 | 13♁16 | 17♁56 | 18♁44 | 20♁19 | 3♁45 | 17♁43 | |

Delta T = 5.56 sec.

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