

JANUARY 2061 mod 16

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|------|-------|
| S 1 | 6 44 42 | 11° 4'54 | 9°32 | 1°51 | 16°14 | 9° 3 | 22° 1 | 4°24 | 19°29 | 11°21 | 13°34 | 3°33 | 2°42 | 11°15 |
| S 2 | 6 48 39 | 12° 6'02 | 1°23 | 3°26 | 17°29 | 9°28 | 21°54 | 4°20 | 19°31 | 11°19 | 13°35 | 3°31 | 2°39 | 11°18 |
| M 3 | 6 52 35 | 13° 7'10 | 15°56 | 5° 1 | 18°44 | 9°53 | 21°46 | 4°16 | 19°34 | 11°18 | 13°36 | 3°28 | 2°36 | 11°22 |
| T 4 | 6 56 32 | 14° 8'18 | 8° 6 | 6°35 | 19°59 | 10°17 | 21°38 | 4°13 | 19°36 | 11°16 | 13°37 | 3°21 | 2°33 | 11°25 |
| W 5 | 7 0 28 | 15° 9'26 | 0°17 | 8° 8 | 21°15 | 10°41 | 21°31 | 4° 9 | 19°38 | 11°15 | 13°37 | 3°11 | 2°30 | 11°28 |
| T 6 | 7 4 25 | 16°10'34 | 14°50 | 9°41 | 0° 0 | 11° 5 | 21°23 | 4° 5 | 19°40 | 11°13 | 13°38 | 3° 0 | 2°27 | 11°32 |
| F 7 | 7 8 21 | 17°11'42 | 6°39 | 11°11 | 1°15 | 11°29 | 21°16 | 4° 2 | 19°42 | 11°12 | 13°39 | 2°47 | 2°23 | 11°35 |
| S 8 | 7 12 18 | 18°12'50 | 20°37 | 12°41 | 2°31 | 11°52 | 21° 8 | 3°58 | 19°44 | 11°10 | 13°40 | 2°35 | 2°20 | 11°39 |
| S 9 | 7 16 15 | 19°13'57 | 11°40 | 14° 8 | 3°46 | 12°15 | 21° 1 | 3°55 | 19°46 | 11° 9 | 13°41 | 2°25 | 2°17 | 11°42 |
| M10 | 7 20 11 | 20°15'05 | 2°18 | 15°33 | 5° 1 | 12°38 | 20°54 | 3°52 | 19°48 | 11° 8 | 13°41 | 2°17 | 2°14 | 11°46 |
| T 11 | 7 24 8 | 21°16'12 | 15° 1 | 16°55 | 6°16 | 13° 0 | 20°47 | 3°49 | 19°50 | 11° 6 | 13°42 | 2°12 | 2°11 | 11°49 |
| W12 | 7 28 4 | 22°17'19 | 4°53 | 18°14 | 7°32 | 13°22 | 20°40 | 3°45 | 19°52 | 11° 5 | 13°43 | 2° 9 | 2° 7 | 11°53 |
| T 13 | 7 32 1 | 0°48'27 | 16°58 | 19°29 | 8°47 | 13°44 | 20°34 | 3°42 | 19°54 | 11° 3 | 13°44 | 2° 9 | 2° 4 | 11°57 |
| F 14 | 7 35 57 | 1°49'34 | 6°22 | 20°39 | 10° 2 | 14° 5 | 20°27 | 3°40 | 19°56 | 11° 2 | 13°45 | 2° 9 | 2° 1 | 12° 0 |
| S 15 | 7 39 54 | 2°50'41 | 18°10 | 21°44 | 11°18 | 14°27 | 20°21 | 3°37 | 19°57 | 11° 1 | 13°46 | 2° 8 | 1°58 | 12° 4 |
| S 16 | 7 43 50 | 3°51'48 | 7°27 | 0°13 | 12°33 | 14°47 | 20°14 | 3°34 | 19°59 | 11° 0 | 13°47 | 2° 6 | 1°55 | 12° 8 |
| M17 | 7 47 47 | 4°52'55 | 19°20 | 1° 4 | 13°48 | 15° 8 | 20° 8 | 3°31 | 20° 1 | 10°58 | 13°48 | 2° 1 | 1°52 | 12°11 |
| T 18 | 7 51 44 | 5°54'02 | 8°52 | 1°48 | 15° 4 | 15°28 | 20° 2 | 3°29 | 20° 2 | 10°57 | 13°49 | 1°54 | 1°48 | 12°15 |
| W19 | 7 55 40 | 6°55'08 | 21° 7 | 2°23 | 16°19 | 15°47 | 19°56 | 3°26 | 20° 4 | 10°56 | 13°50 | 1°44 | 1°45 | 12°19 |
| T 20 | 7 59 37 | 7°56'14 | 11° 6 | 2°49 | 17°34 | 16° 6 | 19°50 | 3°24 | 20° 5 | 10°55 | 13°51 | 1°31 | 1°42 | 12°23 |
| F 21 | 8 3 33 | 8°57'19 | 1°21 | 3° 4 | 18°50 | 16°25 | 19°45 | 3°22 | 20° 7 | 10°54 | 13°52 | 1°18 | 1°39 | 12°27 |
| S 22 | 8 7 30 | 9°58'24 | 14°22 | 3° 8 | 20° 5 | 16°44 | 19°39 | 3°20 | 20° 8 | 10°52 | 13°53 | 1° 4 | 1°36 | 12°31 |
| S 23 | 8 11 26 | 10°59'28 | 5° 7 | 3° 1 | 21°20 | 17° 2 | 19°34 | 3°18 | 20° 9 | 10°51 | 13°54 | 0°51 | 1°33 | 12°34 |
| M24 | 8 15 23 | 12° 0'31 | 18°34 | 2°42 | 0° 6 | 17°19 | 19°29 | 3°16 | 20°11 | 10°50 | 13°55 | 0°41 | 1°29 | 12°38 |
| T 25 | 8 19 19 | 13° 1'33 | 9°40 | 2°12 | 1°21 | 17°37 | 19°24 | 3°14 | 20°12 | 10°49 | 13°57 | 0°33 | 1°26 | 12°42 |
| W26 | 8 23 16 | 14° 2'34 | 0°55 | 1°31 | 2°36 | 17°53 | 19°19 | 3°12 | 20°13 | 10°48 | 13°58 | 0°29 | 1°23 | 12°46 |
| T 27 | 8 27 13 | 15° 3'34 | 14°46 | 0°39 | 3°51 | 18°10 | 19°15 | 3°11 | 20°14 | 10°47 | 13°59 | 0°27 | 1°20 | 12°50 |
| F 28 | 8 31 9 | 16° 4'33 | 6°14 | 22°10 | 5° 7 | 18°25 | 19°10 | 3° 9 | 20°15 | 10°46 | 14° 0 | 0°27 | 1°17 | 12°54 |
| S 29 | 8 35 6 | 17° 5'31 | 20°16 | 21° 3 | 6°22 | 18°41 | 19° 6 | 3° 8 | 20°16 | 10°45 | 14° 1 | 0°27 | 1°13 | 12°58 |
| S 30 | 8 39 2 | 18° 6'27 | 11°54 | 19°52 | 7°37 | 18°56 | 19° 2 | 3° 6 | 20°17 | 10°44 | 14° 3 | 0°26 | 1°10 | 13° 2 |
| M31 | 8 42 59 | 19° 7'22 | 3°36 | 18°37 | 8°53 | 19°10 | 18°58 | 3° 5 | 20°18 | 10°43 | 14° 4 | 0°23 | 1° 7 | 13° 6 |

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FEBRUARY 2061 mod 16

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| T 1 | 8 46 55 | 20° 8'17 | 17°50 | 17°23 | 10° 8 | 19°24 | 18°55 | 3° 4 | 20°19 | 10°43 | 14° 5 | 0°17 | 1° 4 | 13°10 |
| W 2 | 8 50 52 | 21° 9'09 | 9°32 | 16°10 | 11°23 | 19°37 | 18°51 | 3° 3 | 20°20 | 10°42 | 14° 6 | 0° 9 | 1° 1 | 13°14 |
| T 3 | 8 54 48 | 22°10'01 | 1° 8 | 15° 0 | 12°38 | 19°50 | 18°48 | 3° 3 | 20°20 | 10°41 | 14° 8 | 22°28 | 0°58 | 13°19 |
| F 4 | 8 58 45 | 0°40'51 | 15° 3 | 13°55 | 13°54 | 20° 3 | 18°45 | 3° 2 | 20°21 | 10°40 | 14° 9 | 22°17 | 0°54 | 13°23 |
| S 5 | 9 2 42 | 1°41'41 | 6°13 | 12°57 | 15° 9 | 20°15 | 18°42 | 3° 1 | 20°22 | 10°40 | 14°10 | 22° 6 | 0°51 | 13°27 |
| S 6 | 9 6 38 | 2°42'28 | 19°34 | 12° 6 | 16°24 | 20°26 | 18°39 | 3° 1 | 20°22 | 10°39 | 14°12 | 21°56 | 0°48 | 13°31 |
| M 7 | 9 10 35 | 3°43'15 | 10° 4 | 11°23 | 17°39 | 20°37 | 18°37 | 3° 0 | 20°23 | 10°38 | 14°13 | 21°48 | 0°45 | 13°35 |
| T 8 | 9 14 31 | 4°44'01 | 0°14 | 10°49 | 18°54 | 20°47 | 18°34 | 3° 0 | 20°23 | 10°38 | 14°14 | 21°44 | 0°42 | 13°39 |
| W 9 | 9 18 28 | 5°44'46 | 12°36 | 10°22 | 20°10 | 20°57 | 18°32 | 3° 0 | 20°23 | 10°37 | 14°16 | 21°41 | 0°39 | 13°43 |
| T 10 | 9 22 24 | 6°45'29 | 2°12 | 10° 4 | 21°25 | 21° 6 | 18°30 | 3° 0 | 20°24 | 10°36 | 14°17 | 21°41 | 0°35 | 13°47 |
| F 11 | 9 26 21 | 7°46'12 | 14° 7 | 9°54 | 0°10 | 21°14 | 18°29 | 3° 0 | 20°24 | 10°36 | 14°18 | 21°42 | 0°32 | 13°52 |
| S 12 | 9 30 17 | 8°46'53 | 3°27 | 9°52 | 1°25 | 21°22 | 18°27 | 3° 0 | 20°24 | 10°35 | 14°20 | 21°42 | 0°29 | 13°56 |
| S 13 | 9 34 14 | 9°47'34 | 15°16 | 9°56 | 2°40 | 21°29 | 18°26 | 3° 0 | 20°24 | 10°35 | 14°21 | 21°42 | 0°26 | 14° 0 |
| M14 | 9 38 11 | 10°48'13 | 4°40 | 10° 8 | 3°56 | 21°36 | 18°25 | 3° 1 | 20°24 | 10°34 | 14°23 | 21°41 | 0°23 | 14° 4 |
| T 15 | 9 42 7 | 11°48'51 | 16°44 | 10°25 | 5°11 | 21°42 | 18°24 | 3° 1 | 20°24 | 10°34 | 14°24 | 21°37 | 0°19 | 14° 8 |
| W16 | 9 46 4 | 12°49'29 | 6°32 | 10°49 | 6°26 | 21°47 | 18°23 | 3° 2 | 20°24 | 10°34 | 14°26 | 21°31 | 0°16 | 14°12 |
| T 17 | 9 50 0 | 13°50'04 | 19° 9 | 11°18 | 7°41 | 21°51 | 18°23 | 3° 3 | 20°24 | 10°33 | 14°27 | 21°23 | 0°13 | 14°16 |
| F 18 | 9 53 57 | 14°50'39 | 9°35 | 11°51 | 8°56 | 21°55 | 18°22 | 3° 4 | 20°24 | 10°33 | 14°28 | 21°14 | 0°10 | 14°21 |
| S 19 | 9 57 53 | 15°51'12 | 0°21 | 12°30 | 10°11 | 21°59 | 18°22 | 3° 5 | 20°24 | 10°33 | 14°30 | 21° 4 | 0° 7 | 14°25 |
| S 20 | 10 1 50 | 16°51'43 | 13°56 | 13°12 | 11°26 | 22° 1 | 18°22 | 3° 6 | 20°24 | 10°32 | 14°31 | 20°56 | 0° 4 | 14°29 |
| M21 | 10 5 46 | 17°52'13 | 5°17 | 13°59 | 12°42 | 22° 3 | 18°23 | 3° 7 | 20°24 | 10°32 | 14°33 | 20°49 | 0° 0 | 14°33 |
| T 22 | 10 9 43 | 18°52'42 | 19°21 | 14°49 | 13°57 | 22° 4 | 18°23 | 3° 8 | 20°23 | 10°32 | 14°34 | 20°44 | 22°27 | 14°37 |
| W23 | 10 13 40 | 19°53'08 | 11° 2 | 15°42 | 15°12 | 22° 4 | 18°24 | 3°10 | 20°23 | 10°32 | 14°36 | 20°42 | 22°24 | 14°41 |
| T 24 | 10 17 36 | 20°53'33 | 2°47 | 16°39 | 16°27 | 22° 4 | 18°25 | 3°11 | 20°22 | 10°32 | 14°37 | 20°41 | 22°21 | 14°46 |
| F 25 | 10 21 33 | 21°53'56 | 17° 2 | 17°38 | 17°42 | 22° 3 | 18°26 | 3°13 | 20°22 | 10°32 | 14°39 | 20°42 | 22°18 | 14°50 |
| S 26 | 10 25 29 | 0°24'17 | 8°45 | 18°40 | 18°57 | 22° 1 | 18°27 | 3°15 | 20°21 | 10°32 | 14°40 | 20°44 | 22°15 | 14°54 |
| S 27 | 10 29 26 | 1°24'36 | 0°24 | 19°44 | 20°12 | 21°58 | 18°29 | 3°17 | 20°21 | 10°32 | 14°42 | 20°44 | 22°11 | 14°58 |
| M28 | 10 33 22 | 2°24'53 | 14°28 | 20°51 | 21°27 | 21°55 | 18°30 | 3°19 | 20°20 | 10°32 | 14°43 | 20°44 | 22° 8 | 15° 2 |

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MARCH 2061 mod 16

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|------|----------|----------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| T 1 | 10 37 19 | 3°25'08 | 5°54 | 22° 0 | 0°12 | 21°51 | 18°32 | 3°21 | 20°19 | 10°32 | 14°45 | 20°41 | 22° 5 | 15° 6 |
| W 2 | 10 41 15 | 4°25'21 | 19°42 | 0°40 | 1°27 | 21°46 | 18°34 | 3°23 | 20°19 | 10°32 | 14°46 | 20°37 | 22° 2 | 15°10 |
| T 3 | 10 45 12 | 5°25'32 | 10°51 | 1°53 | 2°42 | 21°40 | 18°37 | 3°25 | 20°18 | 10°32 | 14°48 | 20°31 | 21°59 | 15°14 |
| F 4 | 10 49 9 | 6°25'41 | 1°48 | 3° 8 | 3°57 | 21°33 | 18°39 | 3°28 | 20°17 | 10°32 | 14°50 | 20°25 | 21°55 | 15°18 |
| S 5 | 10 53 5 | 7°25'47 | 15° 2 | 4°24 | 5°12 | 21°26 | 18°42 | 3°30 | 20°16 | 10°32 | 14°51 | 20°19 | 21°52 | 15°23 |
| S 6 | 10 57 2 | 8°25'52 | 5°31 | 5°42 | 6°27 | 21°18 | 18°45 | 3°33 | 20°15 | 10°33 | 14°53 | 20°14 | 21°49 | 15°27 |
| M 7 | 11 0 58 | 9°25'55 | 18°16 | 7° 1 | 7°42 | 21° 9 | 18°48 | 3°35 | 20°14 | 10°33 | 14°54 | 20°10 | 21°46 | 15°31 |
| T 8 | 11 4 55 | 10°25'57 | 8°15 | 8°22 | 8°57 | 21° 0 | 18°51 | 3°38 | 20°13 | 10°33 | 14°56 | 20° 7 | 21°43 | 15°35 |
| W 9 | 11 8 51 | 11°25'56 | 20°30 | 9°45 | 10°12 | 20°49 | 18°54 | 3°41 | 20°12 | 10°34 | 14°57 | 20° 7 | 21°40 | 15°39 |
| T 10 | 11 12 48 | 12°25'54 | 10° 3 | 11° 9 | 11°26 | 20°38 | 18°58 | 3°44 | 20°11 | 10°34 | 14°59 | 20° 7 | 21°36 | 15°43 |
| F 11 | 11 16 44 | 13°25'50 | 21°58 | 12°34 | 12°41 | 20°27 | 19° 2 | 3°47 | 20° 9 | 10°34 | 15° 0 | 20° 9 | 21°33 | 15°47 |
| S 12 | 11 20 41 | 14°25'44 | 11°18 | 14° 1 | 13°56 | 20°14 | 19° 6 | 3°50 | 20° 8 | 10°35 | 15° 2 | 20°11 | 21°30 | 15°51 |
| S 13 | 11 24 38 | 15°25'37 | 0°38 | 15°29 | 15°11 | 20° 1 | 19°10 | 3°54 | 20° 7 | 10°35 | 15° 4 | 20°12 | 21°27 | 15°54 |
| M14 | 11 28 34 | 16°25'28 | 12°32 | 16°58 | 16°26 | 19°47 | 19°14 | 3°57 | 20° 5 | 10°36 | 15° 5 | 20°13 | 21°24 | 15°58 |
| T 15 | 11 32 31 | 17°25'17 | 2° 5 | 18°28 | 17°41 | 19°32 | 19°19 | 4° 1 | 20° 4 | 10°36 | 15° 7 | 20°13 | 21°20 | 16° 2 |
| W16 | 11 36 27 | 18°25'05 | 14°23 | 20° 0 | 18°55 | 19°16 | 19°23 | 4° 4 | 20° 3 | 10°37 | 15° 8 | 20°12 | 21°17 | 16° 6 |
| T 17 | 11 40 24 | 19°24'51 | 4°29 | 21°33 | 20°10 | 19° 0 | 19°28 | 4° 8 | 20° 1 | 10°38 | 15°10 | 20° 9 | 21°14 | 16°10 |
| F 18 | 11 44 20 | 20°24'35 | 17°27 | 0°38 | 21°25 | 18°43 | 19°33 | 4°12 | 20° 0 | 10°38 | 15°11 | 20° 6 | 21°11 | 16°14 |
| S 19 | 11 48 17 | 21°24'18 | 8°19 | 2°13 | 0°10 | 18°26 | 19°38 | 4°16 | 19°58 | 10°39 | 15°13 | 20° 3 | 21° 8 | 16°18 |
| S 20 | 11 52 13 | 22°23'58 | 22° 5 | 3°50 | 1°24 | 18° 8 | 19°44 | 4°20 | 19°56 | 10°40 | 15°15 | 20° 0 | 21° 5 | 16°21 |
| M21 | 11 56 10 | 0°53'37 | 13°42 | 5°28 | 2°39 | 17°49 | 19°49 | 4°24 | 19°55 | 10°40 | 15°16 | 19°58 | 21° 1 | 16°25 |
| T 22 | 12 0 7 | 1°53'14 | 5°37 | 7° 8 | 3°54 | 17°30 | 19°55 | 4°28 | 19°53 | 10°41 | 15°18 | 19°56 | 20°58 | 16°29 |
| W23 | 12 4 3 | 2°52'48 | 20°14 | 8°48 | 5° 8 | 17°10 | 20° 1 | 4°32 | 19°51 | 10°42 | 15°19 | 19°56 | 20°55 | 16°33 |
| T 24 | 12 8 0 | 3°52'21 | 12°27 | 10°30 | 6°23 | 16°49 | 20° 7 | 4°37 | 19°50 | 10°43 | 15°21 | 19°56 | 20°52 | 16°36 |
| F 25 | 12 11 56 | 4°51'51 | 4°38 | 12°14 | 7°38 | 16°29 | 20°13 | 4°41 | 19°48 | 10°44 | 15°22 | 19°57 | 20°49 | 16°40 |
| S 26 | 12 15 53 | 5°51'20 | 19°13 | 13°58 | 8°52 | 16° 8 | 20°19 | 4°46 | 19°46 | 10°45 | 15°24 | 19°58 | 20°46 | 16°43 |
| S 27 | 12 19 49 | 6°50'46 | 11° 6 | 15°44 | 10° 7 | 15°46 | 20°25 | 4°50 | 19°44 | 10°46 | 15°25 | 19°59 | 20°42 | 16°47 |
| M28 | 12 23 46 | 7°50'09 | 2°45 | 17°31 | 11°22 | 15°24 | 20°32 | 4°55 | 19°42 | 10°47 | 15°27 | 20° 0 | 20°39 | 16°51 |
| T 29 | 12 27 42 | 8°49'31 | 16°37 | 19°20 | 12°36 | 15° 2 | 20°39 | 5° 0 | 19°40 | 10°48 | 15°28 | 20° 0 | 20°36 | 16°54 |
| W30 | 12 31 39 | 9°48'50 | 7°43 | 21° 9 | 13°51 | 14°39 | 20°46 | 5° 4 | 19°38 | 10°49 | 15°30 | 19°59 | 20°33 | 16°58 |
| T 31 | 12 35 36 | 10°48'06 | 21° 4 | 0°31 | 15° 5 | 14°17 | 20°53 | 5° 9 | 19°36 | 10°50 | 15°31 | 19°58 | 20°30 | 17° 1 |

Delta T = 142.48 sec.

APRIL 2061 mod 16

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

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|------|----------|----------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| S 1 | 14 37 49 | 18°39'27 | 1°29 | 15°38 | 8°25 | 4°24 | 3° 4 | 8°16 | 18°22 | 11°36 | 16°13 | 19°54 | 18°51 | 18°28 |
| M 2 | 14 41 45 | 19°37'41 | 13°39 | 17° 3 | 9°39 | 4°14 | 3°15 | 8°23 | 18°20 | 11°38 | 16°14 | 19°55 | 18°48 | 18°30 |
| T 3 | 14 45 42 | 20°35'53 | 3°11 | 18°24 | 10°53 | 4° 5 | 3°25 | 8°30 | 18°17 | 11°40 | 16°15 | 19°55 | 18°45 | 18°32 |
| W 4 | 14 49 38 | 21°34'03 | 15° 7 | 19°40 | 12° 6 | 3°57 | 3°36 | 8°37 | 18°15 | 11°41 | 16°16 | 19°54 | 18°42 | 18°34 |
| T 5 | 14 53 35 | 0° 2'12 | 4°29 | 20°51 | 13°20 | 3°50 | 3°47 | 8°44 | 18°12 | 11°43 | 16°17 | 19°52 | 18°38 | 18°36 |
| F 6 | 14 57 31 | 1° 0'18 | 16°19 | 21°59 | 14°34 | 3°43 | 3°59 | 8°51 | 18°10 | 11°45 | 16°18 | 19°48 | 18°35 | 18°38 |
| S 7 | 15 1 28 | 1°58'24 | 5°39 | 0°31 | 15°48 | 3°38 | 4°10 | 8°58 | 18° 7 | 11°47 | 16°19 | 19°44 | 18°32 | 18°40 |
| S 8 | 15 5 25 | 2°56'27 | 17°32 | 1°29 | 17° 1 | 3°33 | 4°21 | 9° 5 | 18° 5 | 11°49 | 16°20 | 19°39 | 18°29 | 18°42 |
| M 9 | 15 9 21 | 3°54'30 | 7° 0 | 2°22 | 18°15 | 3°28 | 4°32 | 9°13 | 18° 2 | 11°51 | 16°21 | 19°34 | 18°26 | 18°43 |
| T 10 | 15 13 18 | 4°52'30 | 19° 5 | 3°11 | 19°29 | 3°25 | 4°44 | 9°20 | 18° 0 | 11°53 | 16°22 | 19°30 | 18°23 | 18°45 |
| W11 | 15 17 14 | 5°50'30 | 8°51 | 3°55 | 20°42 | 3°22 | 4°55 | 9°27 | 17°57 | 11°55 | 16°23 | 19°27 | 18°19 | 18°47 |
| T 12 | 15 21 11 | 6°48'28 | 21°22 | 4°33 | 21°56 | 3°21 | 5° 7 | 9°34 | 17°55 | 11°57 | 16°24 | 19°26 | 18°16 | 18°48 |
| F 13 | 15 25 7 | 7°46'25 | 11°41 | 5° 7 | 0°39 | 3°19 | 5°18 | 9°42 | 17°52 | 11°59 | 16°25 | 19°25 | 18°13 | 18°50 |
| S 14 | 15 29 4 | 8°44'20 | 2°22 | 5°36 | 1°53 | 3°19 | 5°30 | 9°49 | 17°50 | 12° 1 | 16°26 | 19°26 | 18°10 | 18°51 |
| S 15 | 15 33 0 | 9°42'14 | 15°59 | 6° 0 | 3° 7 | 3°20 | 5°42 | 9°56 | 17°47 | 12° 3 | 16°27 | 19°28 | 18° 7 | 18°52 |
| M16 | 15 36 57 | 10°40'07 | 7°31 | 6°19 | 4°20 | 3°21 | 5°54 | 10° 4 | 17°45 | 12° 5 | 16°28 | 19°29 | 18° 3 | 18°54 |
| T 17 | 15 40 54 | 11°37'59 | 22° 0 | 6°33 | 5°34 | 3°23 | 6° 6 | 10°11 | 17°42 | 12° 7 | 16°29 | 19°29 | 18° 0 | 18°55 |
| W18 | 15 44 50 | 12°35'50 | 14°22 | 6°42 | 6°47 | 3°25 | 6°18 | 10°19 | 17°40 | 12°10 | 16°30 | 19°28 | 17°57 | 18°56 |
| T 19 | 15 48 47 | 13°33'39 | 7° 0 | 6°46 | 8° 1 | 3°29 | 6°30 | 10°26 | 17°38 | 12°12 | 16°30 | 19°25 | 17°54 | 18°57 |
| F 20 | 15 52 43 | 14°31'27 | 22°15 | 6°45 | 9°14 | 3°33 | 6°42 | 10°34 | 17°35 | 12°14 | 16°31 | 19°21 | 17°51 | 18°58 |
| S 21 | 15 56 40 | 15°29'14 | 14°57 | 6°40 | 10°28 | 3°38 | 6°54 | 10°41 | 17°33 | 12°16 | 16°32 | 19°15 | 17°48 | 18°59 |
| S 22 | 16 0 36 | 16°26'59 | 7°26 | 6°30 | 11°41 | 3°44 | 7° 6 | 10°49 | 17°31 | 12°18 | 16°33 | 19° 9 | 17°44 | 19° 0 |
| M23 | 16 4 33 | 17°24'43 | 22° 4 | 6°16 | 12°54 | 3°50 | 7°18 | 10°57 | 17°28 | 12°20 | 16°33 | 19° 3 | 17°41 | 19° 1 |
| T 24 | 16 8 30 | 18°22'25 | 13°44 | 5°58 | 14° 8 | 3°57 | 7°31 | 11° 4 | 17°26 | 12°22 | 16°34 | 18°59 | 17°38 | 19° 2 |
| W25 | 16 12 26 | 19°20'05 | 4°57 | 5°36 | 15°21 | 4° 4 | 7°43 | 11°12 | 17°24 | 12°25 | 16°35 | 18°56 | 17°35 | 19° 3 |
| T 26 | 16 16 23 | 20°17'44 | 18°12 | 5°11 | 16°34 | 4°13 | 7°56 | 11°20 | 17°22 | 12°27 | 16°35 | 18°55 | 17°32 | 19° 4 |
| F 27 | 16 20 19 | 21°15'21 | 8°32 | 4°44 | 17°48 | 4°22 | 8° 8 | 11°27 | 17°19 | 12°29 | 16°36 | 18°55 | 17°29 | 19° 4 |
| S 28 | 16 24 16 | 22°12'57 | 21° 1 | 4°14 | 19° 1 | 4°31 | 8°21 | 11°35 | 17°17 | 12°31 | 16°37 | 18°56 | 17°25 | 19° 5 |
| S 29 | 16 28 12 | 0°40'32 | 10°45 | 3°42 | 20°14 | 4°42 | 8°33 | 11°43 | 17°15 | 12°33 | 16°37 | 18°58 | 17°22 | 19° 5 |
| M30 | 16 32 9 | 1°38'05 | 0°16 | 3° 9 | 21°27 | 4°52 | 8°46 | 11°50 | 17°13 | 12°36 | 16°38 | 18°58 | 17°19 | 19° 6 |
| T 31 | 16 36 5 | 2°35'37 | 12°11 | 2°35 | 0°11 | 5° 4 | 8°58 | 11°58 | 17°11 | 12°38 | 16°38 | 18°56 | 17°16 | 19° 6 |

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|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| W 1 | 16 40 2 | 3°33'07 | 1°31 | 2° 2 | 1°24 | 5°16 | 9°11 | 12° 6 | 17° 9 | 12°40 | 16°39 | 18°53 | 17°13 | 19° 7 |
| T 2 | 16 43 59 | 4°30'37 | 13°20 | 1°28 | 2°37 | 5°28 | 9°24 | 12°14 | 17° 7 | 12°42 | 16°39 | 18°47 | 17° 9 | 19° 7 |
| F 3 | 16 47 55 | 5°28'05 | 2°41 | 0°56 | 3°50 | 5°42 | 9°37 | 12°21 | 17° 5 | 12°44 | 16°40 | 18°39 | 17° 6 | 19° 7 |
| S 4 | 16 51 52 | 6°25'33 | 14°34 | 0°26 | 5° 3 | 5°55 | 9°50 | 12°29 | 17° 3 | 12°47 | 16°40 | 18°29 | 17° 3 | 19° 7 |
| S 5 | 16 55 48 | 7°22'59 | 4° 3 | 22°27 | 6°16 | 6°10 | 10° 2 | 12°37 | 17° 1 | 12°49 | 16°41 | 18°19 | 17° 0 | 19° 7 |
| M 6 | 16 59 45 | 8°20'25 | 16° 7 | 22° 2 | 7°29 | 6°24 | 10°15 | 12°45 | 16°59 | 12°51 | 16°41 | 18° 8 | 16°57 | 19° 8 |
| T 7 | 17 3 41 | 9°17'50 | 5°50 | 21°39 | 8°42 | 6°40 | 10°28 | 12°52 | 16°57 | 12°53 | 16°42 | 17°59 | 16°54 | 19° 8 |
| W 8 | 17 7 38 | 10°15'14 | 18°12 | 21°20 | 9°55 | 6°56 | 10°41 | 13° 0 | 16°55 | 12°56 | 16°42 | 17°52 | 16°50 | 19° 8 |
| T 9 | 17 11 34 | 11°12'37 | 8°17 | 21° 4 | 11° 8 | 7°12 | 10°54 | 13° 8 | 16°54 | 12°58 | 16°42 | 17°46 | 16°47 | 19° 7 |
| F 10 | 17 15 31 | 12°10'00 | 21° 6 | 20°52 | 12°21 | 7°29 | 11° 7 | 13°16 | 16°52 | 13° 0 | 16°43 | 17°43 | 16°44 | 19° 7 |
| S 11 | 17 19 28 | 13° 7'22 | 11°44 | 20°45 | 13°34 | 7°46 | 11°21 | 13°24 | 16°50 | 13° 2 | 16°43 | 17°43 | 16°41 | 19° 7 |
| S 12 | 17 23 24 | 14° 4'44 | 2°43 | 20°42 | 14°47 | 8° 4 | 11°34 | 13°31 | 16°48 | 13° 5 | 16°43 | 17°43 | 16°38 | 19° 7 |
| M13 | 17 27 21 | 15° 2'06 | 16°36 | 20°43 | 16° 0 | 8°22 | 11°47 | 13°39 | 16°47 | 13° 7 | 16°44 | 17°43 | 16°35 | 19° 6 |
| T 14 | 17 31 17 | 15°59'27 | 8°22 | 20°49 | 17°13 | 8°41 | 12° 0 | 13°47 | 16°45 | 13° 9 | 16°44 | 17°43 | 16°31 | 19° 6 |
| W15 | 17 35 14 | 16°56'47 | 0°32 | 20°59 | 18°26 | 9° 0 | 12°13 | 13°55 | 16°44 | 13°11 | 16°44 | 17°40 | 16°28 | 19° 6 |
| T 16 | 17 39 10 | 17°54'07 | 15°30 | 21°14 | 19°38 | 9°20 | 12°27 | 14° 3 | 16°42 | 13°14 | 16°44 | 17°35 | 16°25 | 19° 5 |
| F 17 | 17 43 7 | 18°51'27 | 8° 9 | 21°33 | 20°51 | 9°40 | 12°40 | 14°10 | 16°41 | 13°16 | 16°44 | 17°28 | 16°22 | 19° 4 |
| S 18 | 17 47 3 | 19°48'47 | 0°50 | 21°57 | 22° 4 | 10° 0 | 12°53 | 14°18 | 16°39 | 13°18 | 16°45 | 17°18 | 16°19 | 19° 4 |
| S 19 | 17 51 0 | 20°46'05 | 15°52 | 22°26 | 0°47 | 10°21 | 13° 6 | 14°26 | 16°38 | 13°20 | 16°45 | 17° 8 | 16°16 | 19° 3 |
| M20 | 17 54 57 | 21°43'24 | 8° 5 | 0°29 | 1°59 | 10°43 | 13°20 | 14°34 | 16°37 | 13°22 | 16°45 | 16°58 | 16°12 | 19° 2 |
| T 21 | 17 58 53 | 0°10'41 | 22°23 | 1° 6 | 3°12 | 11° 5 | 13°33 | 14°41 | 16°35 | 13°25 | 16°45 | 16°50 | 16° 9 | 19° 2 |
| W22 | 18 2 50 | 1° 7'58 | 13°41 | 1°48 | 4°25 | 11°27 | 13°47 | 14°49 | 16°34 | 13°27 | 16°45 | 16°44 | 16° 6 | 19° 1 |
| T 23 | 18 6 46 | 2° 5'14 | 4°31 | 2°33 | 5°37 | 11°49 | 14° 0 | 14°57 | 16°33 | 13°29 | 16°45 | 16°41 | 16° 3 | 19° 0 |
| F 24 | 18 10 43 | 3° 2'29 | 17°23 | 3°23 | 6°50 | 12°12 | 14°13 | 15° 5 | 16°32 | 13°31 | 16°45 | 16°39 | 16° 0 | 18°59 |
| S 25 | 18 14 39 | 3°59'43 | 7°23 | 4°17 | 8° 2 | 12°36 | 14°27 | 15°12 | 16°31 | 13°34 | 16°45 | 16°39 | 15°56 | 18°58 |
| S 26 | 18 18 36 | 4°56'57 | 19°35 | 5°15 | 9°15 | 12°59 | 14°40 | 15°20 | 16°29 | 13°36 | 16°45 | 16°39 | 15°53 | 18°57 |
| M27 | 18 22 32 | 5°54'11 | 9° 4 | 6°18 | 10°27 | 13°23 | 14°54 | 15°28 | 16°28 | 13°38 | 16°45 | 16°38 | 15°50 | 18°55 |
| T 28 | 18 26 29 | 6°51'24 | 20°56 | 7°24 | 11°40 | 13°48 | 15° 7 | 15°35 | 16°27 | 13°40 | 16°45 | 16°36 | 15°47 | 18°54 |
| W29 | 18 30 26 | 7°48'36 | 10°15 | 8°33 | 12°52 | 14°13 | 15°21 | 15°43 | 16°27 | 13°42 | 16°45 | 16°31 | 15°44 | 18°53 |
| T 30 | 18 34 22 | 8°45'48 | 22° 5 | 9°47 | 14° 5 | 14°38 | 15°34 | 15°51 | 16°26 | 13°44 | 16°44 | 16°23 | 15°41 | 18°52 |

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|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| F 1 | 18 38 19 | 9°43'00 | 11°29 | 11° 5 | 15°17 | 15° 3 | 15°48 | 15°58 | 16°25 | 13°47 | 16°44 | 16°13 | 15°37 | 18°50 |
| S 2 | 18 42 15 | 10°40'12 | 0°58 | 12°26 | 16°29 | 15°29 | 16° 1 | 16° 6 | 16°24 | 13°49 | 16°44 | 16° 0 | 15°34 | 18°49 |
| S 3 | 18 46 12 | 11°37'24 | 13° 6 | 13°51 | 17°42 | 15°55 | 16°15 | 16°14 | 16°23 | 13°51 | 16°44 | 15°47 | 15°31 | 18°48 |
| M 4 | 18 50 8 | 12°34'35 | 2°51 | 15°19 | 18°54 | 16°21 | 16°28 | 16°21 | 16°23 | 13°53 | 16°44 | 15°34 | 15°28 | 18°46 |
| T 5 | 18 54 5 | 13°31'47 | 15°16 | 16°51 | 20° 6 | 16°48 | 16°42 | 16°29 | 16°22 | 13°55 | 16°43 | 15°21 | 15°25 | 18°44 |
| W 6 | 18 58 2 | 14°28'58 | 5°22 | 18°27 | 21°18 | 17°15 | 16°55 | 16°36 | 16°21 | 13°57 | 16°43 | 15°12 | 15°22 | 18°43 |
| T 7 | 19 1 58 | 15°26'10 | 18° 8 | 20° 6 | 0° 0 | 17°42 | 17° 9 | 16°44 | 16°21 | 13°59 | 16°43 | 15° 4 | 15°18 | 18°41 |
| F 8 | 19 5 55 | 16°23'22 | 8°36 | 21°48 | 1°12 | 18°10 | 17°22 | 16°51 | 16°20 | 14° 1 | 16°43 | 15° 0 | 15°15 | 18°39 |
| S 9 | 19 9 51 | 17°20'34 | 21°49 | 1° 4 | 2°24 | 18°37 | 17°36 | 16°58 | 16°20 | 14° 3 | 16°42 | 14°58 | 15°12 | 18°38 |
| S 10 | 19 13 48 | 18°17'46 | 12°47 | 2°53 | 3°37 | 19° 6 | 17°49 | 17° 6 | 16°20 | 14° 5 | 16°42 | 14°57 | 15° 9 | 18°36 |
| M11 | 19 17 44 | 19°14'59 | 4° 4 | 4°45 | 4°49 | 19°34 | 18° 3 | 17°13 | 16°19 | 14° 7 | 16°42 | 14°57 | 15° 6 | 18°34 |
| T 12 | 19 21 41 | 20°12'13 | 18°10 | 6°39 | 6° 0 | 20° 3 | 18°16 | 17°20 | 16°19 | 14°10 | 16°41 | 14°56 | 15° 2 | 18°32 |
| W13 | 19 25 37 | 21° 9'27 | 10° 4 | 8°36 | 7°12 | 20°32 | 18°30 | 17°28 | 16°19 | 14°12 | 16°41 | 14°54 | 14°59 | 18°30 |
| T 14 | 19 29 34 | 22° 6'42 | 2°14 | 10°36 | 8°24 | 21° 1 | 18°43 | 17°35 | 16°19 | 14°14 | 16°40 | 14°48 | 14°56 | 18°28 |
| F 15 | 19 33 31 | 0°33'57 | 17° 5 | 12°38 | 9°36 | 21°30 | 18°57 | 17°42 | 16°18 | 14°16 | 16°40 | 14°40 | 14°53 | 18°26 |
| S 16 | 19 37 27 | 1°31'13 | 9°30 | 14°41 | 10°48 | 22° 0 | 19°10 | 17°50 | 16°18 | 14°17 | 16°39 | 14°30 | 14°50 | 18°24 |
| S 17 | 19 41 24 | 2°28'29 | 1°49 | 16°46 | 12° 0 | 0° 0 | 19°24 | 17°57 | 16°18 | 14°19 | 16°39 | 14°19 | 14°47 | 18°22 |
| M18 | 19 45 20 | 3°25'46 | 16°23 | 18°52 | 13°11 | 0°30 | 19°37 | 18° 4 | 16°18 | 14°21 | 16°38 | 14° 8 | 14°43 | 18°20 |
| T 19 | 19 49 17 | 4°23'02 | 8° 7 | 21° 0 | 14°23 | 1° 1 | 19°51 | 18°11 | 16°19 | 14°23 | 16°38 | 13°59 | 14°40 | 18°18 |
| W20 | 19 53 13 | 5°20'19 | 21°54 | 0°37 | 15°35 | 1°31 | 20° 4 | 18°18 | 16°19 | 14°25 | 16°37 | 13°52 | 14°37 | 18°15 |
| T 21 | 19 57 10 | 6°17'36 | 12°45 | 2°46 | 16°46 | 2° 2 | 20°18 | 18°25 | 16°19 | 14°27 | 16°37 | 13°48 | 14°34 | 18°13 |
| F 22 | 20 1 6 | 7°14'54 | 3°10 | 4°54 | 17°58 | 2°34 | 20°31 | 18°32 | 16°19 | 14°29 | 16°36 | 13°46 | 14°31 | 18°11 |
| S 23 | 20 5 3 | 8°12'12 | 15°42 | 7° 2 | 19° 9 | 3° 5 | 20°45 | 18°39 | 16°19 | 14°31 | 16°35 | 13°46 | 14°28 | 18° 8 |
| S 24 | 20 9 0 | 9° 9'30 | 5°25 | 9° 9 | 20°21 | 3°37 | 20°58 | 18°46 | 16°20 | 14°33 | 16°35 | 13°46 | 14°24 | 18° 6 |
| M25 | 20 12 56 | 10° 6'48 | 17°26 | 11°16 | 21°32 | 4° 9 | 21°11 | 18°53 | 16°20 | 14°34 | 16°34 | 13°46 | 14°21 | 18° 4 |
| T 26 | 20 16 53 | 11° 4'07 | 6°49 | 13°21 | 0°14 | 4°41 | 21°25 | 18°59 | 16°21 | 14°36 | 16°33 | 13°44 | 14°18 | 18° 1 |
| W27 | 20 20 49 | 12° 1'26 | 18°39 | 15°26 | 1°25 | 5°13 | 21°38 | 19° 6 | 16°21 | 14°38 | 16°33 | 13°41 | 14°15 | 17°59 |
| T 28 | 20 24 46 | 12°58'46 | 8° 1 | 17°30 | 2°36 | 5°46 | 21°52 | 19°13 | 16°22 | 14°40 | 16°32 | 13°34 | 14°12 | 17°56 |
| F 29 | 20 28 42 | 13°56'06 | 19°59 | 19°32 | 3°47 | 6°18 | 22° 5 | 19°19 | 16°22 | 14°41 | 16°31 | 13°26 | 14° 8 | 17°53 |
| S 30 | 20 32 39 | 14°53'27 | 9°35 | 21°33 | 4°58 | 6°51 | 22°18 | 19°26 | 16°23 | 14°43 | 16°30 | 13°16 | 14° 5 | 17°51 |
| S 31 | 20 36 35 | 15°50'48 | 21°52 | 1° 2 | 6° 9 | 7°24 | 0° 1 | 19°33 | 16°24 | 14°45 | 16°30 | 13° 4 | 14° 2 | 17°48 |

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AUGUST 2061 mod 16

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|------|----------|----------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| M 1 | 20 40 32 | 16°48'11 | 11°51 | 3° 0 | 7°20 | 7°58 | 0°15 | 19°39 | 16°24 | 14°47 | 16°29 | 12°53 | 13°59 | 17°46 |
| T 2 | 20 44 29 | 17°45'33 | 2° 3 | 4°56 | 8°31 | 8°31 | 0°28 | 19°45 | 16°25 | 14°48 | 16°28 | 12°43 | 13°56 | 17°43 |
| W 3 | 20 48 25 | 18°42'57 | 14°56 | 6°51 | 9°42 | 9° 5 | 0°41 | 19°52 | 16°26 | 14°50 | 16°27 | 12°34 | 13°53 | 17°40 |
| T 4 | 20 52 22 | 19°40'22 | 5°31 | 8°44 | 10°53 | 9°39 | 0°54 | 19°58 | 16°27 | 14°51 | 16°26 | 12°28 | 13°49 | 17°38 |
| F 5 | 20 56 18 | 20°37'48 | 18°47 | 10°36 | 12° 4 | 10°13 | 1° 7 | 20° 4 | 16°28 | 14°53 | 16°26 | 12°25 | 13°46 | 17°35 |
| S 6 | 21 0 15 | 21°35'15 | 9°44 | 12°26 | 13°15 | 10°47 | 1°20 | 20°11 | 16°29 | 14°55 | 16°25 | 12°24 | 13°43 | 17°32 |
| S 7 | 21 4 11 | 0° 2'43 | 0°53 | 14°14 | 14°25 | 11°22 | 1°33 | 20°17 | 16°30 | 14°56 | 16°24 | 12°24 | 13°40 | 17°29 |
| M 8 | 21 8 8 | 1° 0'12 | 14°44 | 16° 1 | 15°36 | 11°56 | 1°46 | 20°23 | 16°31 | 14°58 | 16°23 | 12°25 | 13°37 | 17°26 |
| T 9 | 21 12 4 | 1°57'43 | 6°16 | 17°46 | 16°46 | 12°31 | 1°59 | 20°29 | 16°32 | 14°59 | 16°22 | 12°25 | 13°33 | 17°24 |
| W10 | 21 16 1 | 2°55'15 | 20°29 | 19°30 | 17°57 | 13° 6 | 2°12 | 20°35 | 16°34 | 15° 0 | 16°21 | 12°24 | 13°30 | 17°21 |
| T 11 | 21 19 58 | 3°52'49 | 12°22 | 21°12 | 19° 7 | 13°42 | 2°25 | 20°41 | 16°35 | 15° 2 | 16°20 | 12°20 | 13°27 | 17°18 |
| F 12 | 21 23 54 | 4°50'24 | 4°20 | 0°23 | 20°18 | 14°17 | 2°38 | 20°47 | 16°36 | 15° 3 | 16°19 | 12°15 | 13°24 | 17°15 |
| S 13 | 21 27 51 | 5°48'01 | 18°50 | 2° 2 | 21°28 | 14°52 | 2°51 | 20°52 | 16°38 | 15° 5 | 16°18 | 12° 8 | 13°21 | 17°12 |
| S 14 | 21 31 47 | 6°45'39 | 10°44 | 3°39 | 0° 8 | 15°28 | 3° 4 | 20°58 | 16°39 | 15° 6 | 16°17 | 12° 0 | 13°18 | 17° 9 |
| M15 | 21 35 44 | 7°43'18 | 2°28 | 5°15 | 1°18 | 16° 4 | 3°16 | 21° 4 | 16°41 | 15° 7 | 16°16 | 11°52 | 13°14 | 17° 6 |
| T 16 | 21 39 40 | 8°40'58 | 16°25 | 6°50 | 2°28 | 16°40 | 3°29 | 21° 9 | 16°42 | 15° 9 | 16°15 | 11°45 | 13°11 | 17° 3 |
| W17 | 21 43 37 | 9°38'39 | 7°31 | 8°23 | 3°38 | 17°16 | 3°42 | 21°15 | 16°44 | 15°10 | 16°14 | 11°41 | 13° 8 | 17° 0 |
| T 18 | 21 47 33 | 10°36'22 | 20°45 | 9°54 | 4°48 | 17°53 | 3°54 | 21°20 | 16°45 | 15°11 | 16°13 | 11°38 | 13° 5 | 16°57 |
| F 19 | 21 51 30 | 11°34'06 | 11° 7 | 11°24 | 5°58 | 18°29 | 4° 7 | 21°26 | 16°47 | 15°12 | 16°12 | 11°37 | 13° 2 | 16°54 |
| S 20 | 21 55 27 | 12°31'50 | 1° 9 | 12°52 | 7° 8 | 19° 6 | 4°19 | 21°31 | 16°49 | 15°14 | 16°11 | 11°37 | 12°59 | 16°51 |
| S 21 | 21 59 23 | 13°29'36 | 13°23 | 14°19 | 8°18 | 19°43 | 4°32 | 21°36 | 16°50 | 15°15 | 16°10 | 11°39 | 12°55 | 16°48 |
| M22 | 22 3 20 | 14°27'24 | 2°56 | 15°45 | 9°27 | 20°20 | 4°44 | 21°41 | 16°52 | 15°16 | 16° 9 | 11°40 | 12°52 | 16°45 |
| T 23 | 22 7 16 | 15°25'12 | 14°50 | 17° 8 | 10°37 | 20°57 | 4°56 | 21°47 | 16°54 | 15°17 | 16° 8 | 11°41 | 12°49 | 16°42 |
| W24 | 22 11 13 | 16°23'01 | 4°12 | 18°30 | 11°46 | 21°34 | 5° 9 | 21°52 | 16°56 | 15°18 | 16° 7 | 11°40 | 12°46 | 16°40 |
| T 25 | 22 15 9 | 17°20'52 | 16° 5 | 19°51 | 12°56 | 22°12 | 5°21 | 21°56 | 16°58 | 15°19 | 16° 5 | 11°38 | 12°43 | 16°37 |
| F 26 | 22 19 6 | 18°18'44 | 5°36 | 21°10 | 14° 5 | 0°19 | 5°33 | 22° 1 | 17° 0 | 15°20 | 16° 4 | 11°34 | 12°39 | 16°34 |
| S 27 | 22 23 2 | 19°16'37 | 17°47 | 22°27 | 15°14 | 0°57 | 5°45 | 22° 6 | 17° 2 | 15°21 | 16° 3 | 11°29 | 12°36 | 16°31 |
| S 28 | 22 26 59 | 20°14'32 | 7°42 | 1°12 | 16°23 | 1°35 | 5°57 | 22°11 | 17° 4 | 15°22 | 16° 2 | 11°23 | 12°33 | 16°28 |
| M29 | 22 30 56 | 21°12'28 | 20°22 | 2°25 | 17°32 | 2°13 | 6° 9 | 22°15 | 17° 6 | 15°23 | 16° 1 | 11°17 | 12°30 | 16°25 |
| T 30 | 22 34 52 | 22°10'25 | 10°49 | 3°37 | 18°41 | 2°51 | 6°21 | 22°20 | 17° 8 | 15°24 | 16° 0 | 11°11 | 12°27 | 16°22 |
| W31 | 22 38 49 | 0°38'24 | 1°31 | 4°46 | 19°50 | 3°29 | 6°33 | 22°24 | 17°10 | 15°25 | 15°59 | 11° 7 | 12°24 | 16°19 |

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SEPTEMBER 2061 mod 16

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

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|------|---------|----------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| S 1 | 0 41 2 | 8°21'06 | 7° 7 | 7°59 | 9°21 | 1°48 | 12° 0 | 1°26 | 18°38 | 15°35 | 15°21 | 10°51 | 10°45 | 14°57 |
| S 2 | 0 44 58 | 9°20'04 | 21°35 | 6°53 | 10°25 | 2°30 | 12° 9 | 1°27 | 18°41 | 15°35 | 15°20 | 10°51 | 10°42 | 14°55 |
| M 3 | 0 48 55 | 10°19'04 | 13°35 | 5°49 | 11°29 | 3°13 | 12°17 | 1°28 | 18°44 | 15°35 | 15°19 | 10°51 | 10°39 | 14°53 |
| T 4 | 0 52 52 | 11°18'06 | 5°34 | 4°51 | 12°33 | 3°55 | 12°26 | 1°29 | 18°48 | 15°34 | 15°18 | 10°51 | 10°36 | 14°51 |
| W 5 | 0 56 48 | 12°17'11 | 19°57 | 3°59 | 13°36 | 4°37 | 12°35 | 1°30 | 18°51 | 15°34 | 15°17 | 10°51 | 10°32 | 14°49 |
| T 6 | 1 0 45 | 13°16'19 | 11°40 | 3°15 | 14°39 | 5°20 | 12°43 | 1°31 | 18°54 | 15°34 | 15°15 | 10°51 | 10°29 | 14°47 |
| F 7 | 1 4 41 | 14°15'28 | 3°11 | 2°40 | 15°42 | 6° 2 | 12°52 | 1°32 | 18°58 | 15°33 | 15°14 | 10°51 | 10°26 | 14°46 |
| S 8 | 1 8 38 | 15°14'40 | 16°59 | 2°15 | 16°45 | 6°45 | 13° 0 | 1°32 | 19° 1 | 15°33 | 15°13 | 10°52 | 10°23 | 14°44 |
| S 9 | 1 12 34 | 16°13'54 | 8° 3 | 2° 1 | 17°47 | 7°28 | 13° 8 | 1°33 | 19° 5 | 15°32 | 15°12 | 10°52 | 10°20 | 14°42 |
| M10 | 1 16 31 | 17°13'10 | 21°23 | 1°57 | 18°49 | 8°10 | 13°16 | 1°33 | 19° 8 | 15°32 | 15°11 | 10°53 | 10°16 | 14°40 |
| T 11 | 1 20 27 | 18°12'29 | 12° 0 | 2° 4 | 19°51 | 8°53 | 13°24 | 1°34 | 19°12 | 15°31 | 15°10 | 10°53 | 10°13 | 14°39 |
| W12 | 1 24 24 | 19°11'50 | 2°23 | 2°22 | 20°52 | 9°36 | 13°31 | 1°34 | 19°15 | 15°31 | 15° 9 | 10°54 | 10°10 | 14°37 |
| T 13 | 1 28 20 | 20°11'12 | 15° 3 | 2°50 | 21°54 | 10°20 | 13°39 | 1°34 | 19°19 | 15°30 | 15° 8 | 10°54 | 10° 7 | 14°35 |
| F 14 | 1 32 17 | 21°10'37 | 5° 1 | 3°27 | 0°25 | 11° 3 | 13°46 | 1°34 | 19°22 | 15°30 | 15° 7 | 10°53 | 10° 4 | 14°34 |
| S 15 | 1 36 14 | 22°10'04 | 17°18 | 4°13 | 1°25 | 11°46 | 13°53 | 1°34 | 19°26 | 15°29 | 15° 6 | 10°52 | 10° 1 | 14°32 |
| S 16 | 1 40 10 | 0°39'33 | 6°55 | 5° 7 | 2°25 | 12°29 | 14° 1 | 1°34 | 19°30 | 15°29 | 15° 5 | 10°51 | 9°57 | 14°31 |
| M17 | 1 44 7 | 1°39'04 | 18°53 | 6° 8 | 3°25 | 13°13 | 14° 8 | 1°33 | 19°33 | 15°28 | 15° 4 | 10°49 | 9°54 | 14°30 |
| T 18 | 1 48 3 | 2°38'37 | 8°16 | 7°15 | 4°25 | 13°56 | 14°14 | 1°33 | 19°37 | 15°27 | 15° 3 | 10°47 | 9°51 | 14°28 |
| W19 | 1 52 0 | 3°38'11 | 20° 7 | 8°29 | 5°24 | 14°40 | 14°21 | 1°32 | 19°40 | 15°26 | 15° 2 | 10°45 | 9°48 | 14°27 |
| T 20 | 1 55 56 | 4°37'48 | 9°30 | 9°47 | 6°22 | 15°24 | 14°28 | 1°32 | 19°44 | 15°26 | 15° 1 | 10°43 | 9°45 | 14°26 |
| F 21 | 1 59 53 | 5°37'26 | 21°28 | 11° 9 | 7°21 | 16° 8 | 14°34 | 1°31 | 19°48 | 15°25 | 15° 0 | 10°42 | 9°42 | 14°25 |
| S 22 | 2 3 49 | 6°37'05 | 11° 6 | 12°35 | 8°19 | 16°52 | 14°40 | 1°30 | 19°51 | 15°24 | 14°59 | 10°42 | 9°38 | 14°24 |
| S 23 | 2 7 46 | 7°36'47 | 0°59 | 14° 4 | 9°16 | 17°36 | 14°46 | 1°29 | 19°55 | 15°23 | 14°58 | 10°43 | 9°35 | 14°23 |
| M24 | 2 11 43 | 8°36'30 | 13°42 | 15°35 | 10°13 | 18°20 | 14°52 | 1°28 | 19°59 | 15°22 | 14°57 | 10°44 | 9°32 | 14°22 |
| T 25 | 2 15 39 | 9°36'15 | 4°17 | 17° 8 | 11° 9 | 19° 4 | 14°58 | 1°26 | 20° 3 | 15°21 | 14°56 | 10°46 | 9°29 | 14°21 |
| W26 | 2 19 36 | 10°36'01 | 17°48 | 18°43 | 12° 5 | 19°48 | 15° 3 | 1°25 | 20° 6 | 15°20 | 14°55 | 10°47 | 9°26 | 14°20 |
| T 27 | 2 23 32 | 11°35'50 | 9°15 | 20°20 | 13° 1 | 20°32 | 15° 9 | 1°24 | 20°10 | 15°19 | 14°54 | 10°48 | 9°22 | 14°19 |
| F 28 | 2 27 29 | 12°35'40 | 1° 6 | 21°57 | 13°55 | 21°16 | 15°14 | 1°22 | 20°14 | 15°18 | 14°53 | 10°47 | 9°19 | 14°18 |
| S 29 | 2 31 25 | 13°35'32 | 15°47 | 1° 5 | 14°50 | 22° 1 | 15°19 | 1°20 | 20°17 | 15°17 | 14°53 | 10°45 | 9°16 | 14°18 |
| S 30 | 2 35 22 | 14°35'26 | 8°11 | 2°44 | 15°43 | 0°15 | 15°24 | 1°19 | 20°21 | 15°16 | 14°52 | 10°42 | 9°13 | 14°17 |
| M31 | 2 39 18 | 15°35'22 | 0°40 | 4°23 | 16°37 | 1° 0 | 15°29 | 1°17 | 20°25 | 15°15 | 14°51 | 10°39 | 9°10 | 14°17 |

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|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| T 1 | 2 43 15 | 16°35'20 | 15°34 | 6° 2 | 17°29 | 1°45 | 15°34 | 1°15 | 20°29 | 15°14 | 14°50 | 10°35 | 9° 7 | 14°16 |
| W 2 | 2 47 12 | 17°35'20 | 7°47 | 7°41 | 18°21 | 2°29 | 15°38 | 1°13 | 20°32 | 15°13 | 14°49 | 10°31 | 9° 3 | 14°16 |
| T 3 | 2 51 8 | 18°35'23 | 22°13 | 9°21 | 19°12 | 3°14 | 15°42 | 1°11 | 20°36 | 15°12 | 14°49 | 10°28 | 9° 0 | 14°15 |
| F 4 | 2 55 5 | 19°35'27 | 13°47 | 11° 0 | 20° 2 | 3°59 | 15°46 | 1° 8 | 20°40 | 15°11 | 14°48 | 10°27 | 8°57 | 14°15 |
| S 5 | 2 59 1 | 20°35'34 | 5° 0 | 12°39 | 20°52 | 4°44 | 15°50 | 1° 6 | 20°44 | 15° 9 | 14°47 | 10°27 | 8°54 | 14°15 |
| S 6 | 3 2 58 | 21°35'43 | 18°22 | 14°18 | 21°41 | 5°29 | 15°54 | 1° 3 | 20°47 | 15° 8 | 14°47 | 10°28 | 8°51 | 14°14 |
| M 7 | 3 6 54 | 0° 5'53 | 8°55 | 15°57 | 22°29 | 6°14 | 15°57 | 1° 1 | 20°51 | 15° 7 | 14°46 | 10°30 | 8°48 | 14°14 |
| T 8 | 3 10 51 | 1° 6'06 | 21°42 | 17°35 | 0°46 | 6°59 | 16° 1 | 0°58 | 20°55 | 15° 6 | 14°45 | 10°31 | 8°44 | 14°14 |
| W 9 | 3 14 47 | 2° 6'21 | 11°46 | 19°13 | 1°32 | 7°44 | 16° 4 | 0°55 | 20°59 | 15° 4 | 14°45 | 10°32 | 8°41 | 14°14 |
| T 10 | 3 18 44 | 3° 6'38 | 1°38 | 20°51 | 2°18 | 8°29 | 16° 7 | 0°52 | 21° 2 | 15° 3 | 14°44 | 10°31 | 8°38 | 14°14 |
| F 11 | 3 22 41 | 4° 6'56 | 13°51 | 22°29 | 3° 2 | 9°15 | 16°10 | 0°49 | 21° 6 | 15° 2 | 14°43 | 10°28 | 8°35 | 14°14 |
| S 12 | 3 26 37 | 5° 7'17 | 3°27 | 1°36 | 3°46 | 10° 0 | 16°12 | 0°46 | 21°10 | 15° 0 | 14°43 | 10°23 | 8°32 | 14°15 |
| S 13 | 3 30 34 | 6° 7'39 | 15°26 | 3°13 | 4°28 | 10°45 | 16°15 | 0°43 | 21°14 | 14°59 | 14°42 | 10°16 | 8°28 | 14°15 |
| M14 | 3 34 30 | 7° 8'02 | 4°51 | 4°49 | 5°10 | 11°31 | 16°17 | 0°40 | 21°17 | 14°58 | 14°42 | 10° 8 | 8°25 | 14°15 |
| T 15 | 3 38 27 | 8° 8'28 | 16°43 | 6°26 | 5°50 | 12°16 | 16°19 | 0°37 | 21°21 | 14°56 | 14°41 | 9°59 | 8°22 | 14°16 |
| W16 | 3 42 23 | 9° 8'55 | 6° 3 | 8° 2 | 6°30 | 13° 2 | 16°21 | 0°33 | 21°25 | 14°55 | 14°41 | 9°51 | 8°19 | 14°16 |
| T 17 | 3 46 20 | 10° 9'23 | 17°56 | 9°37 | 7° 8 | 13°48 | 16°23 | 0°30 | 21°29 | 14°53 | 14°40 | 9°44 | 8°16 | 14°16 |
| F 18 | 3 50 17 | 11° 9'53 | 7°22 | 11°13 | 7°44 | 14°33 | 16°24 | 0°26 | 21°32 | 14°52 | 14°40 | 9°38 | 8°13 | 14°17 |
| S 19 | 3 54 13 | 12°10'23 | 19°28 | 12°48 | 8°20 | 15°19 | 16°25 | 0°23 | 21°36 | 14°50 | 14°40 | 9°35 | 8° 9 | 14°18 |
| S 20 | 3 58 10 | 13°10'56 | 9°16 | 14°23 | 8°54 | 16° 5 | 16°26 | 0°19 | 21°40 | 14°49 | 14°39 | 9°33 | 8° 6 | 14°18 |
| M21 | 4 2 6 | 14°11'29 | 21°52 | 15°58 | 9°26 | 16°51 | 16°27 | 0°15 | 21°43 | 14°47 | 14°39 | 9°34 | 8° 3 | 14°19 |
| T 22 | 4 6 3 | 15°12'03 | 12°20 | 17°32 | 9°57 | 17°37 | 16°28 | 0°11 | 21°47 | 14°46 | 14°39 | 9°35 | 8° 0 | 14°20 |
| W23 | 4 9 59 | 16°12'39 | 3°14 | 19° 6 | 10°27 | 18°23 | 16°28 | 0° 7 | 21°51 | 14°44 | 14°38 | 9°36 | 7°57 | 14°21 |
| T 24 | 4 13 56 | 17°13'16 | 17° 6 | 20°40 | 10°55 | 19° 9 | 16°29 | 0° 3 | 21°54 | 14°43 | 14°38 | 9°36 | 7°54 | 14°22 |
| F 25 | 4 17 52 | 18°13'54 | 8°58 | 22°14 | 11°21 | 19°55 | 16°29 | 22°29 | 21°58 | 14°41 | 14°38 | 9°34 | 7°50 | 14°23 |
| S 26 | 4 21 49 | 19°14'33 | 1°15 | 1°18 | 11°46 | 20°41 | 16°29 | 22°25 | 22° 1 | 14°39 | 14°37 | 9°29 | 7°47 | 14°24 |
| S 27 | 4 25 46 | 20°15'14 | 16°23 | 2°52 | 12° 8 | 21°27 | 16°28 | 22°21 | 22° 5 | 14°38 | 14°37 | 9°22 | 7°44 | 14°25 |
| M28 | 4 29 42 | 21°15'56 | 9°10 | 4°25 | 12°29 | 22°13 | 16°28 | 22°17 | 22° 9 | 14°36 | 14°37 | 9°14 | 7°41 | 14°26 |
| T 29 | 4 33 39 | 22°16'39 | 1°57 | 5°59 | 12°48 | 0°29 | 16°27 | 22°12 | 22°12 | 14°35 | 14°37 | 9° 5 | 7°38 | 14°27 |
| W30 | 4 37 35 | 0°47'24 | 17° 2 | 7°32 | 13° 5 | 1°15 | 16°26 | 22° 8 | 22°16 | 14°33 | 14°37 | 8°56 | 7°34 | 14°28 |

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|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| T 1 | 4 41 32 | 1°48'11 | 9°16 | 9° 5 | 13°20 | 2° 2 | 16°25 | 22° 3 | 22°19 | 14°31 | 14°37 | 8°49 | 7°31 | 14°30 |
| F 2 | 4 45 28 | 2°48'58 | 1° 4 | 10°39 | 13°33 | 2°48 | 16°24 | 21°59 | 22°23 | 14°30 | 14°36 | 8°44 | 7°28 | 14°31 |
| S 3 | 4 49 25 | 3°49'47 | 14°53 | 12°12 | 13°43 | 3°34 | 16°22 | 21°54 | 22°26 | 14°28 | 14°36 | 8°41 | 7°25 | 14°33 |
| S 4 | 4 53 21 | 4°50'38 | 5°46 | 13°45 | 13°51 | 4°21 | 16°21 | 21°50 | 22°30 | 14°26 | 14°36 | 8°41 | 7°22 | 14°34 |
| M 5 | 4 57 18 | 5°51'29 | 18°44 | 15°18 | 13°57 | 5° 7 | 16°19 | 21°45 | 0° 3 | 14°25 | 14°36 | 8°41 | 7°19 | 14°36 |
| T 6 | 5 1 15 | 6°52'23 | 8°52 | 16°51 | 14° 1 | 5°54 | 16°17 | 21°40 | 0° 6 | 14°23 | 14°36 | 8°42 | 7°15 | 14°37 |
| W 7 | 5 5 11 | 7°53'17 | 21°14 | 18°24 | 14° 3 | 6°40 | 16°14 | 21°36 | 0°10 | 14°21 | 14°36 | 8°41 | 7°12 | 14°39 |
| T 8 | 5 9 8 | 8°54'13 | 10°54 | 19°56 | 14° 2 | 7°27 | 16°12 | 21°31 | 0°13 | 14°20 | 14°36 | 8°38 | 7° 9 | 14°41 |
| F 9 | 5 13 4 | 9°55'10 | 0°26 | 21°29 | 13°58 | 8°14 | 16° 9 | 21°26 | 0°17 | 14°18 | 14°36 | 8°32 | 7° 6 | 14°42 |
| S 10 | 5 17 1 | 10°56'08 | 12°22 | 0°32 | 13°52 | 9° 0 | 16° 6 | 21°21 | 0°20 | 14°16 | 14°37 | 8°23 | 7° 3 | 14°44 |
| S 11 | 5 20 57 | 11°57'07 | 1°46 | 2° 4 | 13°44 | 9°47 | 16° 3 | 21°17 | 0°23 | 14°15 | 14°37 | 8°12 | 7° 0 | 14°46 |
| M12 | 5 24 54 | 12°58'07 | 13°38 | 3°36 | 13°33 | 10°34 | 16° 0 | 21°12 | 0°26 | 14°13 | 14°37 | 7°58 | 6°56 | 14°48 |
| T 13 | 5 28 50 | 13°59'08 | 3° 0 | 5° 8 | 13°19 | 11°20 | 15°56 | 21° 7 | 0°30 | 14°11 | 14°37 | 7°44 | 6°53 | 14°50 |
| W14 | 5 32 47 | 15° 0'10 | 14°53 | 6°40 | 13° 4 | 12° 7 | 15°53 | 21° 2 | 0°33 | 14° 9 | 14°37 | 7°30 | 6°50 | 14°52 |
| T 15 | 5 36 44 | 16° 1'12 | 4°19 | 8°11 | 12°45 | 12°54 | 15°49 | 20°57 | 0°36 | 14° 8 | 14°37 | 7°17 | 6°47 | 14°54 |
| F 16 | 5 40 40 | 17° 2'15 | 16°19 | 9°42 | 12°25 | 13°41 | 15°45 | 20°52 | 0°39 | 14° 6 | 14°38 | 7° 6 | 6°44 | 14°57 |
| S 17 | 5 44 37 | 18° 3'19 | 5°56 | 11°13 | 12° 2 | 14°27 | 15°41 | 20°47 | 0°42 | 14° 4 | 14°38 | 6°59 | 6°40 | 14°59 |
| S 18 | 5 48 33 | 19° 4'23 | 18°14 | 12°43 | 11°37 | 15°14 | 15°37 | 20°42 | 0°45 | 14° 3 | 14°38 | 6°54 | 6°37 | 15° 1 |
| M19 | 5 52 30 | 20° 5'27 | 8°17 | 14°12 | 11°10 | 16° 1 | 15°32 | 20°37 | 0°48 | 14° 1 | 14°39 | 6°52 | 6°34 | 15° 3 |
| T 20 | 5 56 26 | 21° 6'31 | 21° 8 | 15°40 | 10°41 | 16°48 | 15°27 | 20°32 | 0°51 | 13°59 | 14°39 | 6°52 | 6°31 | 15° 6 |
| W21 | 6 0 23 | 22° 7'36 | 11°52 | 17° 7 | 10°11 | 17°35 | 15°22 | 20°27 | 0°54 | 13°58 | 14°39 | 6°52 | 6°28 | 15° 8 |
| T 22 | 6 4 19 | 0°38'41 | 3° 3 | 18°32 | 9°38 | 18°22 | 15°17 | 20°22 | 0°57 | 13°56 | 14°40 | 6°51 | 6°25 | 15°11 |
| F 23 | 6 8 16 | 1°39'46 | 17°12 | 19°56 | 9° 5 | 19° 9 | 15°12 | 20°17 | 1° 0 | 13°54 | 14°40 | 6°48 | 6°21 | 15°13 |
| S 24 | 6 12 13 | 2°40'52 | 9°19 | 21°18 | 8°30 | 19°56 | 15° 7 | 20°13 | 1° 3 | 13°53 | 14°40 | 6°42 | 6°18 | 15°16 |
| S 25 | 6 16 9 | 3°41'58 | 1°50 | 0° 8 | 7°55 | 20°43 | 15° 1 | 20° 8 | 1° 6 | 13°51 | 14°41 | 6°34 | 6°15 | 15°18 |
| M26 | 6 20 6 | 4°43'04 | 17° 8 | 1°25 | 7°19 | 21°30 | 14°56 | 20° 3 | 1° 9 | 13°49 | 14°41 | 6°23 | 6°12 | 15°21 |
| T 27 | 6 24 2 | 5°44'10 | 10° 0 | 2°39 | 6°42 | 22°17 | 14°50 | 19°58 | 1°12 | 13°48 | 14°42 | 6°11 | 6° 9 | 15°24 |
| W28 | 6 27 59 | 6°45'17 | 2°45 | 3°49 | 6° 5 | 0°34 | 14°44 | 19°53 | 1°14 | 13°46 | 14°42 | 6° 0 | 6° 6 | 15°26 |
| T 29 | 6 31 55 | 7°46'24 | 17°42 | 4°55 | 5°29 | 1°21 | 14°38 | 19°48 | 1°17 | 13°44 | 14°43 | 5°50 | 6° 2 | 15°29 |
| F 30 | 6 35 52 | 8°47'32 | 9°44 | 5°56 | 4°52 | 2° 8 | 14°32 | 19°43 | 1°20 | 13°43 | 14°44 | 5°43 | 5°59 | 15°32 |
| S 31 | 6 39 49 | 9°48'39 | 1°16 | 6°52 | 4°17 | 2°55 | 14°25 | 19°39 | 1°22 | 13°41 | 14°44 | 5°38 | 5°56 | 15°35 |

Delta T = 143.59 sec.

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