

SWISS EPHEMERIS for the year 1487

JANUARY 1487 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀      | ♁      | ♂       | ♃      | ♄       | ♅     | ♆      | ♇      | ♈      | ♉      | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|--------|--------|--------|---------|--------|---------|-------|--------|--------|--------|--------|-------|-------|---|---|---|---|---|---|---|---|
| M 1  | 7 16 22 | 19°36'29 | 24°58' | 18°33' | 28°38' | 11°R58  | 23°18' | 18°7' 6 | 3°55' | 17°25' | 21°37' | 24°54' | 26°33' | 0°34' | 8°18' |   |   |   |   |   |   |   |   |
| T 2  | 7 20 19 | 20°37'35 | 7°51'  | 20°13' | 29°53' | 11°II52 | 23°32' | 18°12'  | 3°59' | 17°27' | 21°38' | 24°55' | 26°30' | 0°41' | 8°19' |   |   |   |   |   |   |   |   |
| W 3  | 7 24 15 | 21°38'41 | 21° 4  | 21°53' | 1° 8   | 11°47   | 23°46' | 18°18'  | 4° 2  | 17°29' | 21°38' | 24°R56 | 26°26' | 0°48' | 8°21' |   |   |   |   |   |   |   |   |
| T 4  | 7 28 12 | 22°39'46 | 4°42'  | 23°34' | 2°23'  | 11°43   | 24° 0  | 18°25'  | 4° 6  | 17°31' | 21°39' | 24°55' | 26°23' | 0°55' | 8°22' |   |   |   |   |   |   |   |   |
| F 5  | 7 32 8  | 23°40'50 | 18°45' | 25°15' | 3°38'  | 11°39   | 24°14' | 18°31'  | 4° 9  | 17°33' | 21°39' | 24°53' | 26°20' | 1° 1  | 8°23' |   |   |   |   |   |   |   |   |
| S 6  | 7 36 5  | 24°41'53 | 3°II13 | 26°57' | 4°53'  | 11°37   | 24°28' | 18°37'  | 4°12  | 17°35' | 21°39' | 24°50' | 26°17' | 1° 8  | 8°25' |   |   |   |   |   |   |   |   |
| S 7  | 7 40 1  | 25°42'56 | 18° 3  | 28°39' | 6° 8   | 11°35   | 24°43' | 18°43'  | 4°16  | 17°37' | 21°40' | 24°46' | 26°14' | 1°15' | 8°27' |   |   |   |   |   |   |   |   |
| M 8  | 7 43 58 | 26°43'57 | 3°7    | 0°22'  | 7°23'  | 11°34   | 24°57' | 18°49'  | 4°19  | 17°39' | 21°40' | 24°42' | 26°11' | 1°21' | 8°28' |   |   |   |   |   |   |   |   |
| T 9  | 7 47 54 | 27°44'57 | 18°17' | 2° 6   | 8°38'  | 11°D34  | 25°11' | 18°55'  | 4°23  | 17°40' | 21°40' | 24°38' | 26° 7  | 1°28' | 8°30' |   |   |   |   |   |   |   |   |
| W10  | 7 51 51 | 28°45'56 | 3°II24 | 3°50'  | 9°53'  | 11°35   | 25°25' | 19° 1   | 4°26  | 17°42' | 21°40' | 24°35' | 26° 4  | 1°35' | 8°31' |   |   |   |   |   |   |   |   |
| T 11 | 7 55 48 | 29°46'54 | 18°17' | 5°34'  | 11° 8  | 11°36   | 25°39' | 19° 7   | 4°29  | 17°44' | 21°41' | 24°D34 | 26° 1  | 1°41' | 8°33' |   |   |   |   |   |   |   |   |
| F 12 | 7 59 44 | 0°47'52  | 2°II49 | 7°19'  | 12°23' | 11°38   | 25°53' | 19°13'  | 4°33  | 17°46' | 21°41' | 24°34' | 25°58' | 1°48' | 8°35' |   |   |   |   |   |   |   |   |
| S 13 | 8 3 41  | 1°48'48  | 16°56' | 9° 5   | 13°38' | 11°41   | 26° 8  | 19°19'  | 4°36  | 17°48' | 21°41' | 24°35' | 25°55' | 1°55' | 8°37' |   |   |   |   |   |   |   |   |
| S 14 | 8 7 37  | 2°49'44  | 0°II35 | 10°50' | 14°53' | 11°44   | 26°22' | 19°25'  | 4°39  | 17°49' | 21°41' | 24°37' | 25°51' | 2° 2  | 8°39' |   |   |   |   |   |   |   |   |
| M15  | 8 11 34 | 3°50'39  | 13°47' | 12°36' | 16° 8  | 11°48   | 26°36' | 19°30'  | 4°43  | 17°51' | 21°R41 | 24°38' | 25°48' | 2° 8  | 8°41' |   |   |   |   |   |   |   |   |
| T 16 | 8 15 30 | 4°51'33  | 26°35' | 14°22' | 17°23' | 11°53   | 26°50' | 19°36'  | 4°46  | 17°53' | 21°41' | 24°39' | 25°45' | 2°15' | 8°43' |   |   |   |   |   |   |   |   |
| W17  | 8 19 27 | 5°52'26  | 9°II 3 | 16° 8  | 18°38' | 11°59   | 27° 4  | 19°42'  | 4°49  | 17°55' | 21°41' | 24°R39 | 25°42' | 2°22' | 8°45' |   |   |   |   |   |   |   |   |
| T 18 | 8 23 23 | 6°53'18  | 21°15' | 17°54' | 19°54' | 12° 5   | 27°18' | 19°47'  | 4°52  | 17°56' | 21°41' | 24°39' | 25°39' | 2°28' | 8°47' |   |   |   |   |   |   |   |   |
| F 19 | 8 27 20 | 7°54'10  | 3°II16 | 19°39' | 21° 9  | 12°12   | 27°32' | 19°53'  | 4°55  | 17°58' | 21°41' | 24°37' | 25°36' | 2°35' | 8°49' |   |   |   |   |   |   |   |   |
| S 20 | 8 31 17 | 8°55'01  | 15° 9  | 21°24' | 22°24' | 12°20   | 27°46' | 19°58'  | 4°58  | 17°59' | 21°40' | 24°35' | 25°32' | 2°42' | 8°51' |   |   |   |   |   |   |   |   |
| S 21 | 8 35 13 | 9°55'50  | 26°58' | 23° 7  | 23°39' | 12°28   | 28° 0  | 20° 4   | 5° 2  | 18° 1  | 21°40' | 24°33' | 25°29' | 2°48' | 8°53' |   |   |   |   |   |   |   |   |
| M22  | 8 39 10 | 10°56'39 | 8°II48 | 24°50' | 24°54' | 12°37   | 28°15' | 20° 9   | 5° 5  | 18° 3  | 21°40' | 24°30' | 25°26' | 2°55' | 8°56' |   |   |   |   |   |   |   |   |
| T 23 | 8 43 6  | 11°57'26 | 20°42' | 26°31' | 26° 9  | 12°46   | 28°29' | 20°14'  | 5° 8  | 18° 4  | 21°40' | 24°28' | 25°23' | 3° 2  | 8°58' |   |   |   |   |   |   |   |   |
| W24  | 8 47 3  | 12°58'13 | 2°II40 | 28°11' | 27°24' | 12°56   | 28°43' | 20°19'  | 5°11  | 18° 6  | 21°40' | 24°27' | 25°20' | 3° 9  | 9° 0  |   |   |   |   |   |   |   |   |
| T 25 | 8 50 59 | 13°58'57 | 14°46' | 29°47' | 28°39' | 13° 7   | 28°56' | 20°24'  | 5°14  | 18° 7  | 21°39' | 24°26' | 25°17' | 3°15' | 9° 3  |   |   |   |   |   |   |   |   |
| F 26 | 8 54 56 | 14°59'41 | 27° 1  | 1°II21 | 29°54' | 13°18   | 29°10' | 20°29'  | 5°17  | 18° 9  | 21°39' | 24°D26 | 25°13' | 3°22' | 9° 5  |   |   |   |   |   |   |   |   |
| S 27 | 8 58 52 | 16° 0'23 | 9°II26 | 2°52'  | 1° 9   | 13°29   | 29°24' | 20°34'  | 5°20  | 18°10  | 21°38' | 24°26' | 25°10' | 3°29' | 9° 8  |   |   |   |   |   |   |   |   |
| S 28 | 9 2 49  | 17° 1'03 | 22° 2  | 4°18'  | 2°24'  | 13°42   | 29°38' | 20°39'  | 5°23  | 18°11  | 21°38' | 24°27' | 25° 7  | 3°35' | 9°10' |   |   |   |   |   |   |   |   |
| M29  | 9 6 46  | 18° 1'42 | 4°II52 | 5°40'  | 3°39'  | 13°55   | 29°52' | 20°44'  | 5°26  | 18°13  | 21°37' | 24°28' | 25° 4  | 3°42' | 9°13' |   |   |   |   |   |   |   |   |
| T 30 | 9 10 42 | 19° 2'19 | 17°56' | 6°56'  | 4°54'  | 14° 8   | 0°II 6 | 20°49'  | 5°28  | 18°14  | 21°37' | 24°28' | 25° 1  | 3°49' | 9°15' |   |   |   |   |   |   |   |   |
| W31  | 9 14 39 | 20° 2'54 | 1°II16 | 8°II 6 | 6° 9   | 14°II22 | 0°II20 | 20°54'  | 5°31  | 18°15  | 21°36' | 24°R29 | 24°57' | 3°55' | 9°18' |   |   |   |   |   |   |   |   |

| Day  | ☉     | ☽     | ♀    | ♁     | ♂    | ♃     | ♄    | ♅     | ♆    | ♇     | ♈    | ♉     | ♊    | ♋     | ♌    | ♍     | ♎    | ♏    | ♐     | ♑     | ♒     | ♓     |      |      |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat   | decl  | lat   | decl  | lat  |      |
| M 1  | 22s 4 | 0n24  | 2n37 | 24s 9 | 1s57 | 23s10 | 0n21 | 25n24 | 3n 9 | 21s51 | 0s22 | 21s41 | 1n18 | 23s43 | 0s16 | 21s34 | 1n21 | 7n23 | 17n 4 | 13s16 | 12s42 | 27s46 | 4n53 | 1n43 |
| T 2  | 21 55 | 6 23  | 3 33 | 23 57 | 1 59 | 23 13 | 0 18 | 25 23 | 3 9  | 21 48 | 0 22 | 21 42 | 1 18 | 23 43 | 0 16 | 21 34 | 1 21 | 7 23 | 17 4  | 13 15 | 12 43 | 27 46 | 4 53 | 1 43 |
| W 3  | 21 46 | 12 15 | 4 20 | 23 43 | 2 1  | 23 15 | 0 15 | 25 22 | 3 8  | 21 46 | 0 22 | 21 42 | 1 18 | 23 43 | 0 16 | 21 34 | 1 21 | 7 24 | 17 5  | 13 15 | 12 44 | 27 45 | 4 54 | 1 43 |
| T 4  | 21 36 | 17 44 | 4 54 | 23 28 | 2 3  | 23 17 | 0 13 | 25 21 | 3 8  | 21 44 | 0 22 | 21 43 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 24 | 17 5  | 13 15 | 12 45 | 27 45 | 4 54 | 1 43 |
| F 5  | 21 26 | 22 26 | 5 11 | 23 11 | 2 4  | 23 17 | 0 10 | 25 20 | 3 7  | 21 41 | 0 22 | 21 43 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 25 | 17 6  | 13 16 | 12 46 | 27 44 | 4 54 | 1 43 |
| S 6  | 21 15 | 25 55 | 5 9  | 22 52 | 2 4  | 23 18 | 0 7  | 25 20 | 3 7  | 21 39 | 0 22 | 21 44 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 25 | 17 6  | 13 17 | 12 48 | 27 44 | 4 55 | 1 42 |
| S 7  | 21 4  | 27 44 | 4 48 | 22 31 | 2 5  | 23 17 | 0 5  | 25 19 | 3 6  | 21 36 | 0 22 | 21 44 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 25 | 17 7  | 13 18 | 12 49 | 27 43 | 4 55 | 1 42 |
| M 8  | 20 52 | 27 34 | 4 6  | 22 9  | 2 5  | 23 16 | 0 2  | 25 18 | 3 6  | 21 34 | 0 22 | 21 45 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 26 | 17 8  | 13 20 | 12 50 | 27 43 | 4 56 | 1 42 |
| T 9  | 20 40 | 25 20 | 3 6  | 21 46 | 2 4  | 23 14 | 0s 0 | 25 18 | 3 5  | 21 31 | 0 22 | 21 45 | 1 18 | 23 43 | 0 16 | 21 35 | 1 21 | 7 26 | 17 8  | 13 21 | 12 51 | 27 42 | 4 56 | 1 42 |
| W10  | 20 28 | 21 18 | 1 54 | 21 20 | 2 3  | 23 11 | 0 3  | 25 17 | 3 5  | 21 29 | 0 22 | 21 46 | 1 18 | 23 42 | 0 16 | 21 35 | 1 21 | 7 27 | 17 9  | 13 22 | 12 52 | 27 41 | 4 57 | 1 42 |
| T 11 | 20 15 | 15 56 | 0 35 | 20 53 | 2 1  | 23 8  | 0 6  | 25 17 | 3 4  | 21 26 | 0 22 | 21 46 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 27 | 17 9  | 13 22 | 12 53 | 27 41 | 4 57 | 1 42 |
| F 12 | 20 2  | 9 48  | 0s45 | 20 25 | 1 59 | 23 4  | 0 8  | 25 17 | 3 4  | 21 24 | 0 23 | 21 47 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 28 | 17 10 | 13 22 | 12 54 | 27 40 | 4 58 | 1 41 |
| S 13 | 19 49 | 3 20  | 2 0  | 19 54 | 1 56 | 22 59 | 0 11 | 25 16 | 3 3  | 21 21 | 0 23 | 21 47 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 28 | 17 10 | 13 22 | 12 55 | 27 40 | 4 59 | 1 41 |
| S 14 | 19 35 | 3s 4  | 3 6  | 19 23 | 1 53 | 22 53 | 0 13 | 25 16 | 3 2  | 21 19 | 0 23 | 21 47 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 29 | 17 11 | 13 21 | 12 56 | 27 39 | 4 59 | 1 41 |
| M15  | 19 21 | 9 7   | 3 59 | 18 49 | 1 49 | 22 47 | 0 16 | 25 16 | 3 2  | 21 16 | 0 23 | 21 48 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 29 | 17 12 | 13 21 | 12 57 | 27 38 | 5 0  | 1 41 |
| T 16 | 19 6  | 14 37 | 4 39 | 18 14 | 1 45 | 22 40 | 0 18 | 25 16 | 3 1  | 21 14 | 0 23 | 21 48 | 1 18 | 23 42 | 0 16 | 21 36 | 1 21 | 7 30 | 17 12 | 13 20 | 12 58 | 27 38 | 5 0  | 1 41 |
| W17  | 18 51 | 19 21 | 5 4  | 17 38 | 1 40 | 22 33 | 0 21 | 25 16 | 3 0  | 21 11 | 0 23 | 21 49 | 1 18 | 23 42 | 0 17 | 21 36 | 1 21 | 7 30 | 17 13 | 13 20 | 12 59 | 27 37 | 5 1  | 1 41 |
| T 18 | 18 36 | 23 11 | 5 15 | 17 0  | 1 34 | 22 25 | 0 23 | 25 16 | 2 59 | 21 8  | 0 23 | 21 49 | 1 18 | 23 42 | 0 17 | 21 37 | 1 21 | 7 31 | 17 13 | 13 21 | 13 0  | 27 36 | 5 2  | 1 41 |
| F 19 | 18 21 | 25 58 | 5 12 | 16 21 | 1 27 | 22 16 | 0 25 | 25 16 | 2 59 | 21 6  | 0 23 | 21 49 | 1 18 | 23 41 | 0 17 | 21 37 | 1 21 | 7 31 | 17 14 | 13 21 | 13 0  | 27 36 | 5 2  | 1 40 |
| S 20 | 18 5  | 27 34 | 4 56 | 15 41 | 1 20 | 22 6  | 0 28 | 25 16 | 2 58 | 21 3  | 0 23 | 21 50 | 1 18 | 23 41 | 0 17 | 21 37 | 1 21 | 7 32 | 17 14 | 13 22 | 13 0  | 27 35 | 5 3  | 1 40 |
| S 21 | 17 49 | 27 55 | 4 27 | 14 59 | 1 12 | 21 56 | 0 30 | 25 17 | 2 57 | 21 0  | 0 23 | 21 50 | 1 18 | 23 41 | 0 17 | 21 37 | 1 21 | 7 33 | 17 15 | 13 23 | 13 0  | 27 34 | 5 4  | 1 40 |
| M22  | 17 32 | 26 59 | 3 46 | 14 17 | 1 4  | 21 45 | 0 32 | 25 17 | 2 56 | 20 57 | 0 24 | 21 51 | 1 18 | 23 41 | 0 17 | 21 37 | 1 21 | 7 33 | 17 16 | 13 23 | 13 0  | 27 34 | 5 5  | 1 40 |
| T 23 | 17 15 | 24 49 | 2 56 | 13 34 | 0 54 | 21 33 | 0 35 | 25 18 | 2 55 | 20 55 | 0 24 | 21 51 | 1 18 | 23 41 | 0 17 | 21 37 | 1 21 | 7 34 | 17 16 | 13 24 | 13 0  | 27 33 | 5 5  | 1 40 |
| W24  | 16 58 | 21 32 | 1 58 | 12 50 | 0 44 |       |      |       |      |       |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

FEBRUARY 1487 JC

00:00 UT

| Day  | Sid.t    | ☉          | ☽           | ♀       | ♁       | ♂       | ♃      | ♅       | ♁      | ♄       | ♁       | ♁       | ♁       | ♁      | ♁       |
|------|----------|------------|-------------|---------|---------|---------|--------|---------|--------|---------|---------|---------|---------|--------|---------|
| T 1  | 9 18 35  | 21° 3' 27" | 14° 5' 54"  | 9° 10'  | 7° 24'  | 14° 36' | 0° 33' | 20° 58' | 5° 34' | 18° 17' | 21° 36' | 24° 29' | 24° 54' | 4° 2'  | 9° 21'  |
| F 2  | 9 22 32  | 22° 3' 59" | 28° 48'     | 10° 5'  | 8° 39'  | 14° 51' | 0° 47' | 21° 3'  | 5° 37' | 18° 18' | 21° 35' | 24° 29' | 24° 51' | 4° 9'  | 9° 23'  |
| S 3  | 9 26 28  | 23° 4' 29" | 13° 11' 0"  | 10° 53' | 9° 53'  | 15° 7'  | 1° 1'  | 21° 7'  | 5° 39' | 18° 19' | 21° 35' | 24° 29' | 24° 48' | 4° 15' | 9° 26'  |
| S 4  | 9 30 25  | 24° 4' 57" | 27° 27'     | 11° 32' | 11° 8'  | 15° 22' | 1° 15' | 21° 12' | 5° 42' | 18° 20' | 21° 34' | 24° D29 | 24° 45' | 4° 22' | 9° 29'  |
| M 5  | 9 34 21  | 25° 5' 23" | 12° 5' 5"   | 12° 2'  | 12° 23' | 15° 39' | 1° 28' | 21° 16' | 5° 45' | 18° 21' | 21° 33' | 24° 29' | 24° 42' | 4° 29' | 9° 32'  |
| T 6  | 9 38 18  | 26° 5' 47" | 26° 50'     | 12° 22' | 13° 38' | 15° 55' | 1° 42' | 21° 20' | 5° 47' | 18° 23' | 21° 33' | 24° 29' | 24° 38' | 4° 36' | 9° 35'  |
| W 7  | 9 42 15  | 27° 6' 09" | 11° 12' 35" | 12° 32' | 14° 53' | 16° 13' | 1° 55' | 21° 25' | 5° 50' | 18° 24' | 21° 32' | 24° 29' | 24° 35' | 4° 42' | 9° 38'  |
| T 8  | 9 46 11  | 28° 6' 29" | 26° 12'     | 12° R32 | 16° 8'  | 16° 30' | 2° 9'  | 21° 29' | 5° 53' | 18° 25' | 21° 31' | 24° R29 | 24° 32' | 4° 49' | 9° 41'  |
| F 9  | 9 50 8   | 29° 6' 48" | 10° 10' 36" | 12° 23' | 17° 23' | 16° 48' | 2° 22' | 21° 33' | 5° 55' | 18° 26' | 21° 30' | 24° 29' | 24° 29' | 4° 56' | 9° 43'  |
| S 10 | 9 54 4   | 0° 7' 05"  | 24° 41'     | 12° 4'  | 18° 38' | 17° 7'  | 2° 36' | 21° 37' | 5° 58' | 18° 27' | 21° 29' | 24° 29' | 24° 26' | 5° 2'  | 9° 46'  |
| S 11 | 9 58 1   | 1° 7' 20"  | 8° 23'      | 11° 35' | 19° 53' | 17° 25' | 2° 49' | 21° 41' | 6° 0'  | 18° 28' | 21° 28' | 24° 28' | 24° 22' | 5° 9'  | 9° 50'  |
| M 12 | 10 1 57  | 2° 7' 33"  | 21° 41'     | 10° 59' | 21° 7'  | 17° 44' | 3° 2'  | 21° 44' | 6° 2'  | 18° 29' | 21° 27' | 24° 27' | 24° 19' | 5° 16' | 9° 53'  |
| T 13 | 10 5 54  | 3° 7' 45"  | 4° 11' 36"  | 10° 15' | 22° 22' | 18° 4'  | 3° 16' | 21° 48' | 6° 5'  | 18° 30' | 21° 27' | 24° 26' | 24° 16' | 5° 22' | 9° 56'  |
| W 14 | 10 9 50  | 4° 7' 56"  | 17° 9'      | 9° 25'  | 23° 37' | 18° 24' | 3° 29' | 21° 52' | 6° 7'  | 18° 31' | 21° 26' | 24° 25' | 24° 13' | 5° 29' | 9° 59'  |
| T 15 | 10 13 47 | 5° 8' 05"  | 29° 25'     | 8° 29'  | 24° 52' | 18° 44' | 3° 42' | 21° 55' | 6° 9'  | 18° 31' | 21° 25' | 24° 25' | 24° 10' | 5° 36' | 10° 2'  |
| F 16 | 10 17 44 | 6° 8' 12"  | 11° 17' 28" | 7° 31'  | 26° 7'  | 19° 5'  | 3° 55' | 21° 59' | 6° 12' | 18° 32' | 21° 24' | 24° D25 | 24° 7'  | 5° 42' | 10° 5'  |
| S 17 | 10 21 40 | 7° 8' 18"  | 23° 22'     | 6° 30'  | 27° 22' | 19° 26' | 4° 8'  | 22° 2'  | 6° 14' | 18° 33' | 21° 22' | 24° 25' | 24° 3'  | 5° 49' | 10° 8'  |
| S 18 | 10 25 37 | 8° 8' 22"  | 5° 12'      | 5° 28'  | 28° 36' | 19° 47' | 4° 21' | 22° 5'  | 6° 16' | 18° 34' | 21° 21' | 24° 26' | 24° 0'  | 5° 56' | 10° 12' |
| M 19 | 10 29 33 | 9° 8' 25"  | 17° 2'      | 4° 27'  | 29° 51' | 20° 9'  | 4° 34' | 22° 8'  | 6° 18' | 18° 35' | 21° 20' | 24° 28' | 23° 57' | 6° 2'  | 10° 15' |
| T 20 | 10 33 30 | 10° 8' 26" | 28° 58'     | 3° 29'  | 1° 6'   | 20° 31' | 4° 47' | 22° 12' | 6° 20' | 18° 35' | 21° 19' | 24° 29' | 23° 54' | 6° 9'  | 10° 18' |
| W 21 | 10 37 26 | 11° 8' 25" | 11° 2'      | 2° 33'  | 2° 21'  | 20° 53' | 5° 0'  | 22° 15' | 6° 22' | 18° 36' | 21° 18' | 24° 30' | 23° 51' | 6° 16' | 10° 22' |
| T 22 | 10 41 23 | 12° 8' 22" | 23° 18'     | 1° 42'  | 3° 36'  | 21° 15' | 5° 13' | 22° 17' | 6° 24' | 18° 37' | 21° 17' | 24° R31 | 23° 48' | 6° 23' | 10° 25' |
| F 23 | 10 45 19 | 13° 8' 17" | 5° 17' 47"  | 0° 56'  | 4° 50'  | 21° 38' | 5° 25' | 22° 20' | 6° 26' | 18° 37' | 21° 16' | 24° 30' | 23° 44' | 6° 29' | 10° 28' |
| S 24 | 10 49 16 | 14° 8' 10" | 18° 30'     | 0° 15'  | 6° 5'   | 22° 1'  | 5° 38' | 22° 23' | 6° 28' | 18° 38' | 21° 14' | 24° 29' | 23° 41' | 6° 36' | 10° 32' |
| S 25 | 10 53 13 | 15° 8' 01" | 1° 17' 29"  | 29° 40' | 7° 20'  | 22° 25' | 5° 50' | 22° 26' | 6° 30' | 18° 38' | 21° 13' | 24° 26' | 23° 38' | 6° 43' | 10° 35' |
| M 26 | 10 57 9  | 16° 7' 50" | 14° 42'     | 29° 12' | 8° 35'  | 22° 49' | 6° 3'  | 22° 28' | 6° 31' | 18° 39' | 21° 12' | 24° 23' | 23° 35' | 6° 49' | 10° 38' |
| T 27 | 11 1 6   | 17° 7' 38" | 28° 9'      | 28° 50' | 9° 49'  | 23° 13' | 6° 15' | 22° 31' | 6° 33' | 18° 39' | 21° 10' | 24° 20' | 23° 32' | 6° 56' | 10° 42' |
| W 28 | 11 5 2   | 18° 7' 22" | 11° 18' 48" | 28° 34' | 11° 4'  | 23° 37' | 6° 28' | 22° 33' | 6° 35' | 18° 40' | 21° 9'  | 24° 17' | 23° 28' | 7° 3'  | 10° 45' |

| Day  | ☉               |           |            | ☽          |            |            | ♀          |            | ♁          |             | ♂           |           | ♃      |          | ♅     |       | ♁     |      | ♄     |       | ♁     |       | ♁    |      | ♁   |      | ♁   |      |
|------|-----------------|-----------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-----------|--------|----------|-------|-------|-------|------|-------|-------|-------|-------|------|------|-----|------|-----|------|
|      | decl            | decl      | lat        | decl       | lat        | decl       | lat        | decl       | lat        | decl        | lat         | decl      | lat    | decl     | lat   | decl  | lat   | decl | lat   | decl  | lat   | decl  | lat  | decl | lat | decl | lat | decl |
| T 1  | 14s31           | 21n20     | 5n13       | 7s12       | 1n 2       | 19s20      | 0s54       | 25n24      | 2n48       | 20s29       | 0s25        | 21s54     | 1n19   | 23s40    | 0s17  | 21s38 | 1n22  | 7n40 | 17n21 | 13s24 | 13s15 | 27s26 | 5n13 | 1n38 |     |      |     |      |
| F 2  | 14 12 25        | 5 5 17    | 6 37       | 1 18 19    | 3 0 55     | 25 25      | 2 47 20    | 27 0 25    | 21 54      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 40 17 21 | 13 24 | 13 17 | 27 26 | 5 14 | 1 38  |       |       |       |      |      |     |      |     |      |
| S 3  | 13 52 27        | 24 5 1    | 6 4        | 1 33 18    | 44 0 57    | 25 26      | 2 46 20    | 24 0 25    | 21 54      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 41 17 22 | 13 24 | 13 18 | 27 25 | 5 15 | 1 38  |       |       |       |      |      |     |      |     |      |
| S 4  | 13 32 27        | 55 4 27   | 5 35       | 1 49 18    | 26 0 59    | 25 26      | 2 45 20    | 21 0 25    | 21 54      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 42 17 22 | 13 24 | 13 19 | 27 24 | 5 16 | 1 38  |       |       |       |      |      |     |      |     |      |
| M 5  | 13 12 26        | 31 3 34   | 5 9        | 2 4 18     | 6 1 1      | 25 27      | 2 44 20    | 18 0 25    | 21 55      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 42 17 23 | 13 24 | 13 20 | 27 23 | 5 17 | 1 38  |       |       |       |      |      |     |      |     |      |
| T 6  | 12 51 23        | 16 2 28   | 4 48       | 2 19 17    | 47 1 2     | 25 28      | 2 44 20    | 15 0 25    | 21 55      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 43 17 23 | 13 24 | 13 21 | 27 22 | 5 18 | 1 38  |       |       |       |      |      |     |      |     |      |
| W 7  | 12 31 18        | 30 1 11   | 4 30       | 2 34 17    | 26 1 4     | 25 29      | 2 43 20    | 12 0 25    | 21 55      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 44 17 24 | 13 24 | 13 22 | 27 22 | 5 19 | 1 38  |       |       |       |      |      |     |      |     |      |
| T 8  | 12 10 12        | 40 0s10   | 4 17       | 2 48 17    | 5 1 6      | 25 30      | 2 42 20    | 9 0 26     | 21 55      | 1 19 23     | 40 0 17     | 21 38     | 1 22 7 | 45 17 24 | 13 24 | 13 23 | 27 21 | 5 20 | 1 38  |       |       |       |      |      |     |      |     |      |
| F 9  | 11 49 6         | 15 1 28   | 4 9        | 3 1 16     | 44 1 7     | 25 31      | 2 41 20    | 6 0 26     | 21 55      | 1 19 23     | 39 0 17     | 21 38     | 1 22 7 | 45 17 25 | 13 24 | 13 24 | 27 20 | 5 21 | 1 37  |       |       |       |      |      |     |      |     |      |
| S 10 | 11 28 0s20      | 2 40 4 6  | 3 12       | 3 12 16    | 22 1 9     | 25 32      | 2 40 20    | 3 0 26     | 21 56      | 1 19 23     | 39 0 17     | 21 38     | 1 22 7 | 46 17 25 | 13 24 | 13 25 | 27 19 | 5 22 | 1 37  |       |       |       |      |      |     |      |     |      |
| S 11 | 11 6 6 42       | 3 40 4 7  | 3 22       | 3 22 16    | 0 1 10     | 25 33      | 2 39 20    | 0 0 26     | 21 56      | 1 19 23     | 39 0 17     | 21 39     | 1 22 7 | 47 17 26 | 13 24 | 13 26 | 27 18 | 5 23 | 1 37  |       |       |       |      |      |     |      |     |      |
| M 12 | 10 45 12 36     | 4 27 4 14 | 3 30       | 3 30 15    | 38 1 12    | 25 34      | 2 38 19    | 57 0 26    | 21 56      | 1 19 23     | 39 0 17     | 21 39     | 1 22 7 | 48 17 26 | 13 25 | 13 27 | 27 17 | 5 25 | 1 37  |       |       |       |      |      |     |      |     |      |
| T 13 | 10 23 17 46     | 4 58 4 24 | 3 37       | 3 37 15    | 15 1 13    | 25 35      | 2 38 19    | 55 0 26    | 21 56      | 1 19 23     | 39 0 17     | 21 39     | 1 22 7 | 48 17 27 | 13 25 | 13 28 | 27 17 | 5 26 | 1 37  |       |       |       |      |      |     |      |     |      |
| W 14 | 10 1 22 1 5 14  | 4 39 3 41 | 14 51 1 14 | 25 36 2 37 | 19 52 0 26 | 21 56 1 19 | 23 39 0 17 | 21 39 1 22 | 7 49 17 27 | 13 25 13 29 | 27 16 5 27  | 1 37      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| T 15 | 9 39 25 13 5 16 | 4 57 3 44 | 14 27 1 15 | 25 37 2 36 | 19 49 0 26 | 21 57 1 19 | 23 39 0 17 | 21 39 1 22 | 7 50 17 28 | 13 25 13 30 | 27 15 5 28  | 1 37      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| F 16 | 9 17 27 13 5 3  | 5 19 3 44 | 14 3 1 16  | 25 38 2 35 | 19 46 0 27 | 21 57 1 19 | 23 39 0 17 | 21 39 1 22 | 7 51 17 28 | 13 25 13 31 | 27 14 5 29  | 1 37      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| S 17 | 8 55 27 58 4 37 | 5 43 3 42 | 13 38 1 18 | 25 39 2 34 | 19 43 0 27 | 21 57 1 19 | 23 39 0 17 | 21 39 1 22 | 7 51 17 28 | 13 25 13 32 | 27 13 5 30  | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| S 18 | 8 32 27 24 4 0  | 6 9 3 38  | 13 13 1 19 | 25 40 2 33 | 19 40 0 27 | 21 57 1 19 | 23 39 0 17 | 21 39 1 22 | 7 52 17 29 | 13 25 13 33 | 27 12 5 31  | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| M 19 | 8 10 25 36 3 13 | 6 37 3 32 | 12 48 1 19 | 25 40 2 32 | 19 37 0 27 | 21 57 1 19 | 23 39 0 17 | 21 39 1 22 | 7 53 17 29 | 13 24 13 35 | 27 11 5 33  | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| T 20 | 7 47 22 39 2 17 | 7 5 3 24  | 12 22 1 20 | 25 41 2 32 | 19 34 0 27 | 21 57 1 20 | 23 38 0 17 | 21 39 1 22 | 7 54 17 30 | 13 24 13 36 | 27 10 5 34  | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| W 21 | 7 24 18 42 1 14 | 7 34 3 15 | 11 56 1 21 | 25 42 2 31 | 19 31 0 27 | 21 57 1 20 | 23 38 0 17 | 21 39 1 22 | 7 54 17 30 | 13 24 13 37 | 27 9 5 35   | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| T 22 | 7 2 13 54 0 7   | 8 2 3 4   | 11 29 1 22 | 25 43 2 30 | 19 28 0 27 | 21 57 1 20 | 23 38 0 17 | 21 39 1 23 | 7 55 17 30 | 13 23 13 38 | 27 9 5 36   | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| F 23 | 6 39 8 28 1n 2  | 8 30 2 52 | 11 3 1 23  | 25 43 2 29 | 19 25 0 28 | 21 58 1 20 | 23 38 0 17 | 21 39 1 23 | 7 56 17 31 | 13 24 13 39 | 27 8 5 37   | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| S 24 | 6 16 2 35 2 9   | 8 56 2 39 | 10 36 1 23 | 25 44 2 28 | 19 22 0 28 | 21 58 1 20 | 23 38 0 17 | 21 39 1 23 | 7 57 17 31 | 13 24 13 40 | 27 7 5 39   | 1 36      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| S 25 | 5 52 3n30       | 3 10 9 21 | 2 26       | 10 8 1 24  | 25 45 2 27 | 19 19 0 28 | 21 58 1 20 | 23 38 0 17 | 21 39 1 23 | 7 58 17 32  | 13 25 13 41 | 27 6 5 40 | 1 35   |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| M 26 | 5 29 9 32 4 2   | 9 44 2 12 | 9 41 1 24  | 25 45 2 27 | 19 16 0 28 | 21 58 1 20 | 23 38 0 17 | 21 39 1 23 | 7 58 17 32 | 13 26 13 42 | 27 5 5 41   | 1 35      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| T 27 | 5 6 15 14 4 42  | 10 5 1 57 | 9 13 1 25  | 25 45 2 26 | 19 13 0 28 | 21 58 1 20 | 23 38 0 17 | 21 39 1 23 | 7 59 17 32 | 13 27 13 43 | 27 4 5 42   | 1 35      |        |          |       |       |       |      |       |       |       |       |      |      |     |      |     |      |
| W 28 | 4s43            | 20n17     | 5n 7       | 10s24      | 1n42       | 8s45       | 1s25       | 25n46      | 2n25       | 19s10       | 0s28        | 21s58     | 1n20   | 23s38    | 0s17  | 21s39 | 1n23  | 8n 0 | 17n33 | 13s28 | 13s44 | 27s 3 | 5n44 | 1n35 |     |      |     |      |

Julian Day Number = 2264215.5, Delta T = 211.51 sec  
 Ecliptic obliquity = 23°30'29", Nutation = 0°00'11"  
 Ayanamsha: Fagan/Bradley = 17°35'03", Lahiri = 16°42'03" Julian Calendar 1 Feb. 1487 == Greg. Calendar 10 Feb. 1487

SWISS EPHEMERIS for the year 1487

MARCH 1487 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♂     | ♃     | ♄     | ♅      | ♆    | ♇      | ♁      | ♂      | ♁     | ♃     | ♄     |
|------|----------|----------|-------|--------|-------|-------|-------|--------|------|--------|--------|--------|-------|-------|-------|
| T 1  | 11 8 59  | 19♌7'05  | 25♋38 | 28°R25 | 12♌19 | 24♌1  | 6♌40  | 22♌35  | 6♌37 | 18♌40  | 21°R 8 | 24°R14 | 23♌25 | 7♌9   | 10♌49 |
| F 2  | 11 12 55 | 20° 6'45 | 9♌37  | 28°D22 | 13°33 | 24°26 | 6°52  | 22°38  | 6°38 | 18°40  | 21° 6  | 24°R12 | 23°22 | 7°16  | 10°52 |
| S 3  | 11 16 52 | 21° 6'24 | 23°43 | 28♌25  | 14°48 | 24°51 | 7° 4  | 22°40  | 6°40 | 18°41  | 21° 5  | 24°D12 | 23°19 | 7°23  | 10°56 |
| S 4  | 11 20 48 | 22° 5'59 | 7♌55  | 28°34  | 16° 3 | 25°16 | 7°16  | 22°42  | 6°41 | 18°41  | 21° 4  | 24°13  | 23°16 | 7°29  | 10°59 |
| M 5  | 11 24 45 | 23° 5'33 | 22°11 | 28°48  | 17°17 | 25°42 | 7°28  | 22°44  | 6°43 | 18°41  | 21° 2  | 24°14  | 23°13 | 7°36  | 11° 3 |
| T 6  | 11 28 42 | 24° 5'04 | 6♌29  | 29° 7  | 18°32 | 26° 8 | 7°40  | 22°45  | 6°44 | 18°42  | 21° 1  | 24°16  | 23° 9 | 7°43  | 11° 7 |
| W 7  | 11 32 38 | 25° 4'32 | 20°45 | 29°32  | 19°46 | 26°34 | 7°52  | 22°47  | 6°45 | 18°42  | 20°59  | 24°R16 | 23° 6 | 7°49  | 11°10 |
| T 8  | 11 36 35 | 26° 3'59 | 4♌56  | 0♌1    | 21° 1 | 27° 0 | 8° 4  | 22°49  | 6°47 | 18°42  | 20°58  | 24°16  | 23° 3 | 7°56  | 11°14 |
| F 9  | 11 40 31 | 27° 3'23 | 18°57 | 0°34   | 22°16 | 27°26 | 8°16  | 22°50  | 6°48 | 18°42  | 20°56  | 24°14  | 23° 0 | 8° 3  | 11°17 |
| S 10 | 11 44 28 | 28° 2'45 | 2♌45  | 1°12   | 23°30 | 27°53 | 8°27  | 22°52  | 6°49 | 18°42  | 20°55  | 24°10  | 22°57 | 8°10  | 11°21 |
| S 11 | 11 48 24 | 29° 2'05 | 16°17 | 1°53   | 24°45 | 28°19 | 8°39  | 22°53  | 6°50 | 18°42  | 20°53  | 24° 5  | 22°54 | 8°16  | 11°25 |
| M12  | 11 52 21 | 0♌1'23   | 29°30 | 2°38   | 25°59 | 28°46 | 8°50  | 22°54  | 6°52 | 18°R42 | 20°52  | 23°59  | 22°50 | 8°23  | 11°28 |
| T 13 | 11 56 17 | 1° 0'39  | 12♌24 | 3°27   | 27°14 | 29°14 | 9° 1  | 22°55  | 6°53 | 18°42  | 20°50  | 23°53  | 22°47 | 8°30  | 11°32 |
| W14  | 12 0 14  | 1°59'53  | 24°58 | 4°19   | 28°28 | 29°41 | 9° 13 | 22°56  | 6°54 | 18°42  | 20°49  | 23°47  | 22°44 | 8°36  | 11°36 |
| T 15 | 12 4 10  | 2°59'06  | 7♌16  | 5°14   | 29°43 | 0♌8   | 9°24  | 22°57  | 6°55 | 18°42  | 20°47  | 23°43  | 22°41 | 8°43  | 11°39 |
| F 16 | 12 8 7   | 3°58'16  | 19°20 | 6°12   | 0♌57  | 0°36  | 9°35  | 22°58  | 6°56 | 18°42  | 20°45  | 23°40  | 22°38 | 8°50  | 11°43 |
| S 17 | 12 12 4  | 4°57'25  | 1♌15  | 7°12   | 2°12  | 1° 4  | 9°46  | 22°59  | 6°56 | 18°42  | 20°44  | 23°D38 | 22°34 | 8°56  | 11°47 |
| S 18 | 12 16 0  | 5°56'32  | 13° 6 | 8°16   | 3°26  | 1°32  | 9°56  | 23° 0  | 6°57 | 18°42  | 20°42  | 23°39  | 22°31 | 9° 3  | 11°50 |
| M19  | 12 19 57 | 6°55'37  | 24°57 | 9°22   | 4°40  | 2° 0  | 10° 7 | 23° 0  | 6°58 | 18°41  | 20°41  | 23°40  | 22°28 | 9°10  | 11°54 |
| T 20 | 12 23 53 | 7°54'41  | 6♌54  | 10°30  | 5°55  | 2°29  | 10°18 | 23° 0  | 6°59 | 18°41  | 20°39  | 23°41  | 22°25 | 9°16  | 11°58 |
| W21  | 12 27 50 | 8°53'42  | 19° 1 | 11°40  | 7° 9  | 2°57  | 10°28 | 23° 1  | 6°59 | 18°41  | 20°37  | 23°R42 | 22°22 | 9°23  | 12° 1 |
| T 22 | 12 31 46 | 9°52'42  | 1♌24  | 12°53  | 8°24  | 3°26  | 10°39 | 23° 1  | 7° 0 | 18°41  | 20°36  | 23°42  | 22°19 | 9°30  | 12° 5 |
| F 23 | 12 35 43 | 10°51'40 | 14° 4 | 14° 8  | 9°38  | 3°55  | 10°49 | 23° 1  | 7° 1 | 18°40  | 20°34  | 23°40  | 22°15 | 9°36  | 12° 9 |
| S 24 | 12 39 39 | 11°50'35 | 27° 4 | 15°25  | 10°52 | 4°24  | 10°59 | 23°R 1 | 7° 1 | 18°40  | 20°32  | 23°36  | 22°12 | 9°43  | 12°13 |
| S 25 | 12 43 36 | 12°49'29 | 10♌24 | 16°44  | 12° 7 | 4°53  | 11° 9 | 23° 1  | 7° 2 | 18°40  | 20°31  | 23°30  | 22° 9 | 9°50  | 12°16 |
| M26  | 12 47 33 | 13°48'21 | 24° 3 | 18° 5  | 13°21 | 5°22  | 11°19 | 23° 1  | 7° 2 | 18°39  | 20°29  | 23°22  | 22° 6 | 9°56  | 12°20 |
| T 27 | 12 51 29 | 14°47'11 | 7♌57  | 19°28  | 14°35 | 5°52  | 11°29 | 23° 1  | 7° 2 | 18°39  | 20°27  | 23°13  | 22° 3 | 10° 3 | 12°24 |
| W28  | 12 55 26 | 15°45'58 | 22° 3 | 20°52  | 15°50 | 6°22  | 11°39 | 23° 0  | 7° 3 | 18°38  | 20°26  | 23° 5  | 21°59 | 10°10 | 12°27 |
| T 29 | 12 59 22 | 16°44'44 | 6♌15  | 22°19  | 17° 4 | 6°51  | 11°49 | 23° 0  | 7° 3 | 18°38  | 20°24  | 22°58  | 21°56 | 10°16 | 12°31 |
| F 30 | 13 3 19  | 17°43'27 | 20°31 | 23°47  | 18°18 | 7°21  | 11°58 | 22°59  | 7° 3 | 18°37  | 20°22  | 22°53  | 21°53 | 10°23 | 12°35 |
| S 31 | 13 7 15  | 18°42'09 | 4♌45  | 25°17  | 19°32 | 7°51  | 12° 8 | 22°59  | 7° 3 | 18°37  | 20°21  | 22°50  | 21°50 | 10°30 | 12°39 |

| Day  | ☉    | ☽     | ♀    | ♂     | ♃    | ♄    | ♅    | ♆     | ♇    | ♁     | ♂    | ♁     | ♃    | ♄     | ♅    |       |      |      |       |       |       |       |      |      |
|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| T 1  | 4s19 | 24n18 | 5n14 | 10s41 | 1n28 | 8s17 | 1s26 | 25n46 | 2n24 | 19s 7 | 0s28 | 21s58 | 1n20 | 23s38 | 0s17 | 21s39 | 1n23 | 8n 1 | 17n33 | 13s29 | 13s45 | 27s 2 | 5n45 | 1n35 |
| F 2  | 3 56 | 26 57 | 5 3  | 10 56 | 1 13 | 7 48 | 1 26 | 25 47 | 2 23 | 19 4  | 0 29 | 21 58 | 1 20 | 23 38 | 0 17 | 21 39 | 1 23 | 8 1  | 17 33 | 13 29 | 13 46 | 27 1  | 5 46 | 1 35 |
| S 3  | 3 32 | 27 55 | 4 33 | 11 8  | 0 59 | 7 20 | 1 26 | 25 47 | 2 22 | 19 1  | 0 29 | 21 58 | 1 20 | 23 38 | 0 17 | 21 39 | 1 23 | 8 2  | 17 33 | 13 30 | 13 47 | 27 0  | 5 48 | 1 35 |
| S 4  | 3 9  | 27 3  | 3 47 | 11 19 | 0 45 | 6 51 | 1 26 | 25 47 | 2 22 | 18 58 | 0 29 | 21 58 | 1 20 | 23 38 | 0 17 | 21 39 | 1 23 | 8 3  | 17 34 | 13 29 | 13 48 | 26 59 | 5 49 | 1 35 |
| M 5  | 2 45 | 24 25 | 2 47 | 11 27 | 0 31 | 6 22 | 1 26 | 25 47 | 2 21 | 18 55 | 0 29 | 21 58 | 1 20 | 23 38 | 0 17 | 21 39 | 1 23 | 8 4  | 17 34 | 13 29 | 13 49 | 26 58 | 5 50 | 1 35 |
| T 6  | 2 21 | 20 15 | 1 36 | 11 33 | 0 17 | 5 52 | 1 26 | 25 47 | 2 20 | 18 52 | 0 29 | 21 58 | 1 20 | 23 38 | 0 17 | 21 39 | 1 23 | 8 5  | 17 34 | 13 28 | 13 50 | 26 57 | 5 51 | 1 35 |
| W 7  | 1 58 | 14 55 | 0 19 | 11 36 | 0 4  | 5 23 | 1 26 | 25 47 | 2 19 | 18 50 | 0 29 | 21 58 | 1 21 | 23 38 | 0 17 | 21 39 | 1 23 | 8 5  | 17 35 | 13 28 | 13 51 | 26 56 | 5 53 | 1 34 |
| T 8  | 1 34 | 8 50  | 0s58 | 11 38 | 0s 8 | 4 53 | 1 26 | 25 47 | 2 18 | 18 47 | 0 29 | 21 58 | 1 21 | 23 38 | 0 18 | 21 39 | 1 23 | 8 6  | 17 35 | 13 28 | 13 52 | 26 55 | 5 54 | 1 34 |
| F 9  | 1 10 | 2 23  | 2 11 | 11 37 | 0 20 | 4 24 | 1 26 | 25 47 | 2 18 | 18 44 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 7  | 17 35 | 13 29 | 13 53 | 26 54 | 5 55 | 1 34 |
| S 10 | 0 47 | 4s 4  | 3 15 | 11 35 | 0 32 | 3 54 | 1 26 | 25 46 | 2 17 | 18 41 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 8  | 17 35 | 13 30 | 13 54 | 26 53 | 5 57 | 1 34 |
| S 11 | 0 23 | 10 12 | 4 6  | 11 30 | 0 43 | 3 24 | 1 25 | 25 46 | 2 16 | 18 38 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 8  | 17 36 | 13 32 | 13 56 | 26 52 | 5 58 | 1 34 |
| M12  | 0n 1 | 15 44 | 4 43 | 11 24 | 0 54 | 2 54 | 1 25 | 25 45 | 2 15 | 18 35 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 9  | 17 36 | 13 34 | 13 57 | 26 51 | 5 59 | 1 34 |
| T 13 | 0 24 | 20 26 | 5 4  | 11 16 | 1 4  | 2 24 | 1 25 | 25 45 | 2 14 | 18 32 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 10 | 17 36 | 13 36 | 13 58 | 26 50 | 6 1  | 1 34 |
| W14  | 0 48 | 24 5  | 5 10 | 11 6  | 1 13 | 1 54 | 1 24 | 25 44 | 2 14 | 18 30 | 0 30 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 11 | 17 36 | 13 38 | 13 59 | 26 48 | 6 2  | 1 34 |
| T 15 | 1 11 | 26 33 | 5 2  | 10 54 | 1 22 | 1 24 | 1 24 | 25 43 | 2 13 | 18 27 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 39 | 1 23 | 8 11 | 17 36 | 13 39 | 14 1  | 26 47 | 6 4  | 1 34 |
| F 16 | 1 35 | 27 44 | 4 40 | 10 40 | 1 31 | 0 53 | 1 23 | 25 43 | 2 12 | 18 24 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 23 | 8 12 | 17 37 | 13 40 | 14 1  | 26 46 | 6 5  | 1 34 |
| S 17 | 1 59 | 27 37 | 4 6  | 10 25 | 1 39 | 0 23 | 1 22 | 25 42 | 2 11 | 18 21 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 23 | 8 13 | 17 37 | 13 41 | 14 2  | 26 45 | 6 6  | 1 34 |
| S 18 | 2 22 | 26 13 | 3 22 | 10 8  | 1 46 | 0n 7 | 1 22 | 25 41 | 2 11 | 18 18 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 23 | 8 14 | 17 37 | 13 41 | 14 3  | 26 44 | 6 8  | 1 34 |
| M19  | 2 45 | 23 39 | 2 30 | 9 50  | 1 53 | 0 38 | 1 21 | 25 39 | 2 10 | 18 16 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 23 | 8 14 | 17 37 | 13 40 | 14 4  | 26 43 | 6 9  | 1 33 |
| T 20 | 3 9  | 20 3  | 1 30 | 9 30  | 1 59 | 1 8  | 1 20 | 25 38 | 2 9  | 18 13 | 0 31 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 24 | 8 15 | 17 37 | 13 40 | 14 5  | 26 42 | 6 10 | 1 33 |
| W21  | 3 32 | 15 34 | 0 25 | 9 8   | 2 5  | 1 38 | 1 19 | 25 37 | 2 8  | 18 10 | 0 32 | 21 58 | 1 21 | 23 37 | 0 18 | 21 38 | 1 24 | 8 16 | 17 37 | 13 39 | 14 6  | 26 41 | 6 12 | 1 33 |
| T 22 | 3 55 | 10 22 | 0n41 | 8 45  | 2 11 | 2 9  | 1 18 | 25 35 | 2 8  | 18 8  | 0 32 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 16 | 17 37 | 13 39 | 14 7  | 26 40 | 6 13 | 1 33 |
| F 23 | 4 19 | 4 38  | 1 48 | 8 20  | 2 15 | 2 39 | 1 17 | 25 34 | 2 7  | 18 5  | 0 32 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 17 | 17 38 | 13 40 | 14 8  | 26 38 | 6 15 | 1 33 |
| S 24 | 4 42 | 1n26  | 2 50 | 7 54  | 2 20 | 3 9  | 1 16 | 25 32 | 2 6  | 18 2  | 0 32 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 18 | 17 38 | 13 42 | 14 9  | 26 37 | 6 16 | 1 33 |
| S 25 | 5 5  | 7 34  | 3 44 | 7 27  | 2 23 | 3 39 | 1 15 | 25 30 | 2 5  | 18 0  | 0 32 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 19 | 17 38 | 13 44 | 14 10 | 26 36 | 6 17 | 1 33 |
| M26  | 5 28 | 13 29 | 4 27 | 6 58  | 2 26 | 4 9  | 1 13 | 25 28 | 2 5  | 17 57 | 0 33 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 19 | 17 38 | 13 46 | 14 11 | 26 35 | 6 19 | 1 33 |
| T 27 | 5 51 | 18 51 | 4 55 | 6 28  | 2 29 | 4 39 | 1 12 | 25 26 | 2 4  | 17 55 | 0 33 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 20 | 17 38 | 13 49 | 14 12 | 26 34 | 6 20 | 1 33 |
| W28  | 6 13 | 23 15 | 5 6  | 5 56  | 2 31 | 5 9  | 1 11 | 25 24 | 2 3  | 17 52 | 0 33 | 21 58 | 1 22 | 23 37 | 0 18 | 21 38 | 1 24 | 8 21 | 17 38 | 13 52 | 14 13 | 26 33 | 6 22 | 1 33 |
| T 29 | 6 36 | 26 18 |      |       |      |      |      |       |      |       |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

APRIL 1487 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♂      | ♃      | ♄      | ♅      | ♆     | ♇      | ♁      | ♂      | ♆      | ♁      | ♂      |
|------|----------|----------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| S 1  | 13 11 12 | 19°40'47 | 18°55  | 26°49  | 20°47  | 8°22   | 12°17  | 22°R58 | 7°3   | 18°R36 | 20°R19 | 22°D49 | 21°47  | 10°37  | 12°42  |
| M 2  | 13 15 8  | 20°39'24 | 3°Ω 0  | 28°22  | 22° 1  | 8°52   | 12°26  | 22°R57 | 7° 3  | 18°R35 | 20°R17 | 22°R49 | 21°44  | 10°43  | 12°46  |
| T 3  | 13 19 5  | 21°37'58 | 16°59  | 29°57  | 23°15  | 9°22   | 12°35  | 22°56  | 7°R 3 | 18°35  | 20°16  | 22°R50 | 21°40  | 10°50  | 12°50  |
| W 4  | 13 23 2  | 22°36'30 | 0°η51  | 1°43   | 24°29  | 9°53   | 12°44  | 22°55  | 7° 3  | 18°34  | 20°14  | 22°50  | 21°37  | 10°57  | 12°53  |
| T 5  | 13 26 58 | 23°35'00 | 14°35  | 3°12   | 25°43  | 10°23  | 12°53  | 22°54  | 7° 3  | 18°33  | 20°12  | 22°48  | 21°34  | 11° 3  | 12°57  |
| F 6  | 13 30 55 | 24°33'27 | 28°11  | 4°52   | 26°57  | 10°54  | 13° 2  | 22°53  | 7° 3  | 18°32  | 20°10  | 22°44  | 21°31  | 11°10  | 13° 1  |
| S 7  | 13 34 51 | 25°31'53 | 11°Δ35 | 6°34   | 28°11  | 11°25  | 13°10  | 22°52  | 7° 3  | 18°32  | 20° 9  | 22°36  | 21°28  | 11°17  | 13° 4  |
| S 8  | 13 38 48 | 26°30'16 | 24°48  | 8°18   | 29°26  | 11°56  | 13°19  | 22°50  | 7° 3  | 18°31  | 20° 7  | 22°27  | 21°25  | 11°23  | 13° 8  |
| M 9  | 13 42 44 | 27°28'38 | 7°Λ46  | 10° 3  | 0°B40  | 12°27  | 13°27  | 22°49  | 7° 2  | 18°30  | 20° 5  | 22°16  | 21°21  | 11°30  | 13°11  |
| T 10 | 13 46 41 | 28°26'58 | 20°29  | 11°50  | 1°54   | 12°58  | 13°35  | 22°47  | 7° 2  | 18°29  | 20° 4  | 22° 4  | 21°18  | 11°37  | 13°15  |
| W11  | 13 50 37 | 29°25'16 | 22°R58 | 13°38  | 3° 8   | 13°30  | 13°43  | 22°45  | 7° 2  | 18°28  | 20° 2  | 21°53  | 21°15  | 11°43  | 13°19  |
| T 12 | 13 54 34 | 0°B23'33 | 15°12  | 15°29  | 4°22   | 14° 1  | 13°51  | 22°44  | 7° 1  | 18°27  | 20° 0  | 21°44  | 21°12  | 11°50  | 13°22  |
| F 13 | 13 58 31 | 1°21'48  | 27°14  | 17°21  | 5°36   | 14°33  | 13°59  | 22°42  | 7° 1  | 18°26  | 19°59  | 21°36  | 21° 9  | 11°57  | 13°26  |
| S 14 | 14 2 27  | 2°20'01  | 9°Z 8  | 19°15  | 6°50   | 15° 4  | 14° 6  | 22°40  | 7° 0  | 18°25  | 19°57  | 21°32  | 21° 5  | 12° 3  | 13°29  |
| S 15 | 14 6 24  | 3°18'13  | 20°58  | 21°10  | 8° 4   | 15°36  | 14°14  | 22°38  | 7° 0  | 18°24  | 19°55  | 21°29  | 21° 2  | 12°10  | 13°33  |
| M16  | 14 10 20 | 4°16'23  | 2°Δ49  | 23° 8  | 9°18   | 16° 8  | 14°21  | 22°36  | 6°59  | 18°23  | 19°54  | 21°D28 | 20°59  | 12°17  | 13°37  |
| T 17 | 14 14 17 | 5°14'32  | 14°45  | 25° 6  | 10°32  | 16°40  | 14°28  | 22°34  | 6°58  | 18°22  | 19°52  | 21°R28 | 20°56  | 12°23  | 13°40  |
| W18  | 14 18 13 | 6°12'40  | 26°53  | 27° 7  | 11°46  | 17°12  | 14°35  | 22°31  | 6°57  | 18°21  | 19°51  | 21°28  | 20°53  | 12°30  | 13°44  |
| T 19 | 14 22 10 | 7°10'45  | 9°H 18 | 29° 9  | 13° 0  | 17°44  | 14°42  | 22°29  | 6°57  | 18°20  | 19°49  | 21°27  | 20°50  | 12°37  | 13°47  |
| F 20 | 14 26 6  | 8° 8'50  | 22° 3  | 1°B13  | 14°14  | 18°16  | 14°49  | 22°27  | 6°56  | 18°19  | 19°47  | 21°24  | 20°46  | 12°43  | 13°50  |
| S 21 | 14 30 3  | 9° 6'53  | 5°V 12 | 3°18   | 15°27  | 18°48  | 14°56  | 22°24  | 6°55  | 18°18  | 19°46  | 21°18  | 20°43  | 12°50  | 13°54  |
| S 22 | 14 34 0  | 10° 4'54 | 18°47  | 5°25   | 16°41  | 19°21  | 15° 2  | 22°21  | 6°54  | 18°17  | 19°44  | 21°10  | 20°40  | 12°57  | 13°57  |
| M23  | 14 37 56 | 11° 2'54 | 2°B45  | 7°32   | 17°55  | 19°53  | 15° 8  | 22°19  | 6°53  | 18°16  | 19°43  | 20°59  | 20°37  | 13° 3  | 14° 1  |
| T 24 | 14 41 53 | 12° 0'53 | 17° 3  | 9°41   | 19° 9  | 20°26  | 15°14  | 22°16  | 6°52  | 18°14  | 19°41  | 20°48  | 20°34  | 13°10  | 14° 4  |
| W25  | 14 45 49 | 12°58'49 | 1°Π35  | 11°51  | 20°23  | 20°59  | 15°20  | 22°13  | 6°51  | 18°13  | 19°40  | 20°37  | 20°31  | 13°17  | 14° 8  |
| T 26 | 14 49 46 | 13°56'45 | 16°14  | 14° 1  | 21°37  | 21°31  | 15°26  | 22°10  | 6°50  | 18°12  | 19°38  | 20°27  | 20°27  | 13°23  | 14°11  |
| F 27 | 14 53 42 | 14°54'38 | 0°S53  | 16°12  | 22°51  | 22° 4  | 15°32  | 22° 7  | 6°49  | 18°11  | 19°37  | 20°19  | 20°24  | 13°30  | 14°14  |
| S 28 | 14 57 39 | 15°52'30 | 15°24  | 18°23  | 24° 4  | 22°37  | 15°37  | 22° 4  | 6°48  | 18° 9  | 19°35  | 20°14  | 20°21  | 13°37  | 14°17  |
| S 29 | 15 1 35  | 16°50'20 | 29°45  | 20°34  | 25°18  | 23°10  | 15°43  | 22° 1  | 6°46  | 18° 8  | 19°34  | 20°12  | 20°18  | 13°43  | 14°21  |
| M30  | 15 5 32  | 17°48'09 | 13°Ω52 | 22°B44 | 26°B32 | 23°B43 | 15°Δ48 | 21°R58 | 6°B45 | 18°R 7 | 19°B32 | 20°Δ12 | 20°Δ15 | 13°B50 | 14°V24 |

| Day  | ☉     | ☽     | ♀    | ♂     | ♃    | ♄     | ♅    | ♆     | ♇    | ♁     | ♂    | ♆     | ♁    | ♂     |      |       |      |      |       |       |       |       |      |      |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| S 1  | 7n43  | 25n 0 | 2n51 | 3s38  | 2s34 | 7n 8  | 1s 5 | 25n15 | 2n 0 | 17s42 | 0s34 | 21s57 | 1n22 | 23s37 | 0s18 | 21s37 | 1n24 | 8n23 | 17n38 | 13s57 | 14s17 | 26s28 | 6n27 | 1n33 |
| M 2  | 8 5   | 21 14 | 1 44 | 3 0   | 2 34 | 7 37  | 1 4  | 25 12 | 2 0  | 17 40 | 0 34 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 24 | 17 38 | 13 57 | 14 18 | 26 27 | 6 28 | 1 32 |
| T 3  | 8 27  | 16 17 | 0 31 | 2 21  | 2 33 | 8 6   | 1 2  | 25 9  | 1 59 | 17 37 | 0 34 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 24 | 17 38 | 13 57 | 14 19 | 26 25 | 6 30 | 1 32 |
| W 4  | 8 49  | 10 32 | 0s43 | 1 41  | 2 31 | 8 35  | 1 0  | 25 6  | 1 58 | 17 35 | 0 34 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 25 | 17 38 | 13 57 | 14 20 | 26 24 | 6 31 | 1 32 |
| T 5  | 9 11  | 4 20  | 1 53 | 1 0   | 2 29 | 9 4   | 0 59 | 25 3  | 1 57 | 17 33 | 0 34 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 25 | 17 38 | 13 57 | 14 21 | 26 23 | 6 33 | 1 32 |
| F 6  | 9 33  | 1s59  | 2 57 | 0 18  | 2 27 | 9 32  | 0 57 | 25 0  | 1 57 | 17 30 | 0 35 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 26 | 17 38 | 13 59 | 14 22 | 26 22 | 6 34 | 1 32 |
| S 7  | 9 54  | 8 7   | 3 49 | 0n25  | 2 23 | 10 0  | 0 55 | 24 57 | 1 56 | 17 28 | 0 35 | 21 57 | 1 22 | 23 37 | 0 18 | 21 37 | 1 24 | 8 27 | 17 38 | 14 1  | 14 23 | 26 20 | 6 35 | 1 32 |
| S 8  | 10 15 | 13 47 | 4 29 | 1 9   | 2 20 | 10 28 | 0 53 | 24 53 | 1 55 | 17 26 | 0 35 | 21 56 | 1 23 | 23 37 | 0 18 | 21 37 | 1 24 | 8 27 | 17 38 | 14 4  | 14 24 | 26 19 | 6 37 | 1 32 |
| M 9  | 10 36 | 18 45 | 4 53 | 1 55  | 2 16 | 10 56 | 0 51 | 24 50 | 1 55 | 17 24 | 0 35 | 21 56 | 1 23 | 23 37 | 0 18 | 21 37 | 1 24 | 8 28 | 17 38 | 14 8  | 14 25 | 26 18 | 6 38 | 1 32 |
| T 10 | 10 57 | 22 46 | 5 2  | 2 41  | 2 11 | 11 24 | 0 49 | 24 46 | 1 54 | 17 22 | 0 35 | 21 56 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 28 | 17 38 | 14 12 | 14 26 | 26 17 | 6 39 | 1 32 |
| W11  | 11 18 | 25 40 | 4 57 | 3 28  | 2 6  | 11 51 | 0 47 | 24 42 | 1 53 | 17 19 | 0 36 | 21 56 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 29 | 17 38 | 14 15 | 14 27 | 26 15 | 6 41 | 1 32 |
| T 12 | 11 39 | 27 17 | 4 38 | 4 16  | 2 0  | 12 18 | 0 45 | 24 38 | 1 53 | 17 17 | 0 36 | 21 56 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 29 | 17 37 | 14 18 | 14 28 | 26 14 | 6 42 | 1 32 |
| F 13 | 11 59 | 27 35 | 4 7  | 5 5   | 1 54 | 12 45 | 0 43 | 24 34 | 1 52 | 17 15 | 0 36 | 21 56 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 30 | 17 37 | 14 21 | 14 30 | 26 13 | 6 44 | 1 32 |
| S 14 | 12 19 | 26 36 | 3 25 | 5 54  | 1 47 | 13 11 | 0 41 | 24 30 | 1 51 | 17 13 | 0 36 | 21 56 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 30 | 17 37 | 14 22 | 14 31 | 26 11 | 6 45 | 1 32 |
| S 15 | 12 39 | 24 25 | 2 35 | 6 44  | 1 40 | 13 37 | 0 39 | 24 25 | 1 51 | 17 11 | 0 36 | 21 55 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 31 | 17 37 | 14 23 | 14 32 | 26 10 | 6 46 | 1 32 |
| M16  | 12 59 | 21 10 | 1 38 | 7 35  | 1 32 | 14 3  | 0 37 | 24 21 | 1 50 | 17 9  | 0 37 | 21 55 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 31 | 17 37 | 14 23 | 14 33 | 26 9  | 6 48 | 1 32 |
| T 17 | 13 18 | 17 1  | 0 36 | 8 26  | 1 24 | 14 28 | 0 35 | 24 16 | 1 49 | 17 7  | 0 37 | 21 55 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 32 | 17 37 | 14 23 | 14 34 | 26 8  | 6 49 | 1 32 |
| W18  | 13 38 | 12 8  | 0n29 | 9 18  | 1 16 | 14 53 | 0 33 | 24 12 | 1 49 | 17 6  | 0 37 | 21 55 | 1 23 | 23 38 | 0 18 | 21 36 | 1 24 | 8 32 | 17 37 | 14 23 | 14 35 | 26 6  | 6 50 | 1 32 |
| T 19 | 13 57 | 6 40  | 1 33 | 10 10 | 1 7  | 15 18 | 0 31 | 24 7  | 1 48 | 17 4  | 0 37 | 21 55 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 32 | 17 36 | 14 24 | 14 36 | 26 5  | 6 52 | 1 32 |
| F 20 | 14 16 | 0 48  | 2 35 | 11 2  | 0 58 | 15 42 | 0 28 | 24 2  | 1 47 | 17 2  | 0 38 | 21 55 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 33 | 17 36 | 14 25 | 14 37 | 26 4  | 6 53 | 1 32 |
| S 21 | 14 34 | 5n17  | 3 30 | 11 54 | 0 48 | 16 6  | 0 26 | 23 57 | 1 47 | 17 0  | 0 38 | 21 54 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 33 | 17 36 | 14 26 | 14 38 | 26 2  | 6 54 | 1 32 |
| S 22 | 14 53 | 11 18 | 4 15 | 12 46 | 0 38 | 16 30 | 0 24 | 23 51 | 1 46 | 16 59 | 0 38 | 21 54 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 34 | 17 36 | 14 29 | 14 39 | 26 1  | 6 56 | 1 32 |
| M23  | 15 11 | 16 56 | 4 46 | 13 38 | 0 28 | 16 53 | 0 21 | 23 46 | 1 45 | 16 57 | 0 38 | 21 54 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 34 | 17 36 | 14 33 | 14 40 | 25 59 | 6 57 | 1 31 |
| T 24 | 15 29 | 21 46 | 5 0  | 14 29 | 0 18 | 17 15 | 0 19 | 23 40 | 1 45 | 16 55 | 0 38 | 21 54 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 34 | 17 35 | 14 36 | 14 41 | 25 58 | 6 58 | 1 31 |
| W25  | 15 47 | 25 21 | 4 55 | 15 19 | 0 7  | 17 37 | 0 17 | 23 35 | 1 44 | 16 54 | 0 39 | 21 54 | 1 23 | 23 38 | 0 19 | 21 35 | 1 25 | 8 35 | 17 35 | 14 40 | 14 42 | 25 57 | 6 59 | 1 31 |
| T 26 | 16 4  | 27 17 | 4 31 | 16 9  | 0n 4 | 17 59 | 0 14 | 23 29 | 1 43 | 16 52 | 0 39 | 21 54 | 1 23 | 23 39 | 0 19 | 21 35 | 1 25 | 8 35 | 17 35 | 14 43 | 14 43 | 25 55 | 7 1  | 1 31 |
| F 27 | 16 21 | 27 20 | 3 49 | 16 57 | 0 14 | 18 21 | 0 12 | 23 23 | 1 43 | 16 51 | 0 39 | 21 53 | 1 23 | 23 39 | 0 19 | 21 34 | 1 25 | 8 35 | 17 35 | 14 45 | 14 44 | 25 54 | 7 2  | 1 31 |
| S 28 | 16 38 | 25 28 | 2 53 | 17 45 | 0 25 | 18 41 | 0 10 | 23 17 | 1 42 | 16 50 | 0 39 | 21 53 | 1 23 | 23 39 | 0 19 | 21 34 | 1 25 | 8 35 | 17 34 | 14 47 | 14 45 | 25 53 | 7 3  | 1 31 |
| S 29 | 16 55 | 21 59 | 1 46 | 18 30 | 0 35 | 19 2  | 0 7  | 23 1  |      |       |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

MAY 1487 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♂     | ♂      | ♂      | ♂     | ♂      | ♂      | ♂      | ♂     | ♂     | ♂     | ♂ |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|--------|--------|--------|-------|-------|-------|---|
| T 1  | 15 9 29  | 18♂45'55 | 27♂45 | 24♂54 | 27♂46 | 24♂16 | 15♂53  | 21°R55 | 6°R44 | 18°R 5 | 19°R31 | 20°R12 | 20♂11 | 13♂57 | 14♂27 |   |
| W 2  | 15 13 25 | 19°43'40 | 11♂24 | 27° 3 | 28°59 | 24°49 | 15°57  | 21♂51  | 6♂42  | 18♂ 4  | 19♂29  | 20♂11  | 20° 8 | 14° 3 | 14°30 |   |
| T 3  | 15 17 22 | 20°41'23 | 24°50 | 29°11 | 0♂13  | 25°23 | 16° 2  | 21°48  | 6°41  | 18° 3  | 19°28  | 20° 8  | 20° 5 | 14°10 | 14°34 |   |
| F 4  | 15 21 18 | 21°39'04 | 8♂ 4  | 1♂17  | 1°27  | 25°56 | 16° 6  | 21°44  | 6°39  | 18° 1  | 19°27  | 20° 3  | 20° 2 | 14°17 | 14°37 |   |
| S 5  | 15 25 15 | 22°36'44 | 21° 6 | 3°22  | 2°41  | 26°30 | 16°11  | 21°41  | 6°38  | 18° 0  | 19°25  | 19°54  | 19°59 | 14°23 | 14°40 |   |
| S 6  | 15 29 11 | 23°34'22 | 3♂57  | 5°24  | 3°54  | 27° 3 | 16°15  | 21°37  | 6°36  | 17°58  | 19°24  | 19°43  | 19°56 | 14°30 | 14°43 |   |
| M 7  | 15 33 8  | 24°31'59 | 16°37 | 7°25  | 5° 8  | 27°37 | 16°19  | 21°34  | 6°35  | 17°57  | 19°23  | 19°31  | 19°52 | 14°37 | 14°46 |   |
| T 8  | 15 37 4  | 25°29'35 | 29° 6 | 9°23  | 6°22  | 28°10 | 16°23  | 21°30  | 6°33  | 17°55  | 19°21  | 19°18  | 19°49 | 14°43 | 14°49 |   |
| W 9  | 15 41 1  | 26°27'10 | 11♂23 | 11°19 | 7°35  | 28°44 | 16°26  | 21°26  | 6°32  | 17°54  | 19°20  | 19° 5  | 19°46 | 14°50 | 14°52 |   |
| T 10 | 15 44 58 | 27°24'43 | 23°29 | 13°12 | 8°49  | 29°18 | 16°30  | 21°22  | 6°30  | 17°52  | 19°19  | 18°54  | 19°43 | 14°57 | 14°55 |   |
| F 11 | 15 48 54 | 28°22'16 | 5♂27  | 15° 3 | 10° 2 | 29°52 | 16°33  | 21°19  | 6°28  | 17°51  | 19°18  | 18°45  | 19°40 | 15° 3 | 14°58 |   |
| S 12 | 15 52 51 | 29°19'47 | 17°18 | 16°51 | 11°16 | 0♂25  | 16°36  | 21°15  | 6°27  | 17°50  | 19°16  | 18°38  | 19°37 | 15°10 | 15° 1 |   |
| S 13 | 15 56 47 | 0♂17'17  | 29° 7 | 18°36 | 12°30 | 0°59  | 16°39  | 21°11  | 6°25  | 17°48  | 19°15  | 18°35  | 19°33 | 15°17 | 15° 4 |   |
| M14  | 16 0 44  | 1°14'47  | 10♂56 | 20°19 | 13°43 | 1°33  | 16°41  | 21° 7  | 6°23  | 17°46  | 19°14  | 18°33  | 19°30 | 15°24 | 15° 6 |   |
| T 15 | 16 4 40  | 2°12'16  | 22°51 | 21°58 | 14°57 | 2° 8  | 16°44  | 21° 3  | 6°21  | 17°45  | 19°13  | 18°D33 | 19°27 | 15°30 | 15° 9 |   |
| W16  | 16 8 37  | 3° 9'43  | 4♂58  | 23°35 | 16°10 | 2°42  | 16°46  | 20°59  | 6°19  | 17°43  | 19°12  | 18°R33 | 19°24 | 15°37 | 15°12 |   |
| T 17 | 16 12 33 | 4° 7'11  | 17°21 | 25° 9 | 17°24 | 3°16  | 16°48  | 20°55  | 6°17  | 17°42  | 19°11  | 18°33  | 19°21 | 15°44 | 15°15 |   |
| F 18 | 16 16 30 | 5° 4'37  | 0♂7 7 | 26°40 | 18°37 | 3°50  | 16°50  | 20°51  | 6°15  | 17°40  | 19°10  | 18°30  | 19°17 | 15°50 | 15°17 |   |
| S 19 | 16 20 27 | 6° 2'03  | 13°17 | 28° 7 | 19°51 | 4°25  | 16°52  | 20°46  | 6°14  | 17°39  | 19° 9  | 18°26  | 19°14 | 15°57 | 15°20 |   |
| S 20 | 16 24 23 | 6°59'28  | 26°56 | 29°32 | 21° 4 | 4°59  | 16°53  | 20°42  | 6°12  | 17°37  | 19° 8  | 18°19  | 19°11 | 16° 4 | 15°23 |   |
| M21  | 16 28 20 | 7°56'52  | 11♂ 3 | 0♂54  | 22°18 | 5°33  | 16°55  | 20°38  | 6°10  | 17°36  | 19° 7  | 18°10  | 19° 8 | 16°10 | 15°25 |   |
| T 22 | 16 32 16 | 8°54'16  | 25°34 | 2°13  | 23°31 | 6° 8  | 16°56  | 20°34  | 6° 7  | 17°34  | 19° 6  | 17°59  | 19° 5 | 16°17 | 15°28 |   |
| W23  | 16 36 13 | 9°51'39  | 10♂24 | 3°28  | 24°45 | 6°43  | 16°57  | 20°29  | 6° 5  | 17°32  | 19° 5  | 17°49  | 19° 2 | 16°24 | 15°30 |   |
| T 24 | 16 40 9  | 10°49'01 | 25°24 | 4°41  | 25°58 | 7°17  | 16°58  | 20°25  | 6° 3  | 17°31  | 19° 4  | 17°41  | 18°58 | 16°30 | 15°33 |   |
| F 25 | 16 44 6  | 11°46'22 | 10♂24 | 5°50  | 27°12 | 7°52  | 16°58  | 20°21  | 6° 1  | 17°29  | 19° 3  | 17°34  | 18°55 | 16°37 | 15°35 |   |
| S 26 | 16 48 3  | 12°43'43 | 25°16 | 6°56  | 28°25 | 8°27  | 16°59  | 20°16  | 5°59  | 17°28  | 19° 2  | 17°30  | 18°52 | 16°44 | 15°37 |   |
| S 27 | 16 51 59 | 13°41'02 | 9♂53  | 7°58  | 29°39 | 9° 2  | 16°59  | 20°12  | 5°57  | 17°26  | 19° 1  | 17°28  | 18°49 | 16°50 | 15°40 |   |
| M28  | 16 55 56 | 14°38'21 | 24°12 | 8°57  | 0♂52  | 9°36  | 16°R59 | 20° 8  | 5°55  | 17°24  | 19° 1  | 17°D28 | 18°46 | 16°57 | 15°42 |   |
| T 29 | 16 59 52 | 15°35'38 | 8♂ 9  | 9°53  | 2° 5  | 10°11 | 16°59  | 20° 3  | 5°53  | 17°23  | 19° 0  | 17°29  | 18°43 | 17° 4 | 15°44 |   |
| W30  | 17 3 49  | 16°32'54 | 21°47 | 10°45 | 3°19  | 10°46 | 16°58  | 19°59  | 5°50  | 17°21  | 18°59  | 17°R29 | 18°39 | 17°10 | 15°46 |   |
| T 31 | 17 7 45  | 17°30'10 | 5♂ 5  | 11♂33 | 4♂32  | 11♂21 | 16♂58  | 19♂55  | 5♂48  | 17♂19  | 18♂59  | 17♂27  | 18♂36 | 17♂17 | 15♂49 |   |

| Day  | ☉       | ☽     | ♀    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     |
|------|---------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
|      | decl    | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  |
| T 1  | 17n27   | 11n40 | 0s40 | 19n56 | 0n55 | 19n41 | 0s 2 | 22n58 | 1n40 | 16s46 | 0s40 | 21s53 | 1n23 | 23s39 | 0s19 | 21s34 |
| W 2  | 17 43   | 5 37  | 1 50 | 20 36 | 1 4  | 19 59 | 0 0  | 22 51 | 1 40 | 16 44 | 0 40 | 21 52 | 1 23 | 23 39 | 0 19 | 21 34 |
| T 3  | 17 59   | 0s34  | 2 52 | 21 14 | 1 14 | 20 18 | 0n 2 | 22 45 | 1 39 | 16 43 | 0 41 | 21 52 | 1 23 | 23 39 | 0 19 | 21 34 |
| F 4  | 18 14   | 6 38  | 3 44 | 21 49 | 1 22 | 20 35 | 0 5  | 22 38 | 1 38 | 16 42 | 0 41 | 21 52 | 1 23 | 23 39 | 0 19 | 21 33 |
| S 5  | 18 29   | 12 19 | 4 24 | 22 22 | 1 30 | 20 52 | 0 7  | 22 31 | 1 38 | 16 41 | 0 41 | 21 52 | 1 23 | 23 39 | 0 19 | 21 33 |
| S 6  | 18 43   | 17 24 | 4 49 | 22 52 | 1 38 | 21 9  | 0 10 | 22 24 | 1 37 | 16 40 | 0 41 | 21 51 | 1 23 | 23 39 | 0 19 | 21 33 |
| M 7  | 18 57   | 21 38 | 5 0  | 23 20 | 1 44 | 21 25 | 0 12 | 22 16 | 1 36 | 16 39 | 0 41 | 21 51 | 1 23 | 23 39 | 0 19 | 21 33 |
| T 8  | 19 11   | 24 49 | 4 56 | 23 45 | 1 51 | 21 40 | 0 15 | 22 9  | 1 36 | 16 38 | 0 42 | 21 51 | 1 23 | 23 40 | 0 19 | 21 33 |
| W 9  | 19 25   | 26 48 | 4 38 | 24 7  | 1 56 | 21 55 | 0 17 | 22 1  | 1 35 | 16 37 | 0 42 | 21 51 | 1 23 | 23 40 | 0 19 | 21 33 |
| T 10 | 19 38   | 27 28 | 4 8  | 24 27 | 2 1  | 22 9  | 0 19 | 21 54 | 1 34 | 16 37 | 0 42 | 21 51 | 1 23 | 23 40 | 0 19 | 21 33 |
| F 11 | 19 51   | 26 51 | 3 27 | 24 44 | 2 5  | 22 23 | 0 22 | 21 46 | 1 34 | 16 36 | 0 42 | 21 50 | 1 23 | 23 40 | 0 19 | 21 32 |
| S 12 | 20 4 24 | 59    | 2 38 | 24 59 | 2 8  | 22 36 | 0 24 | 21 38 | 1 33 | 16 35 | 0 43 | 21 50 | 1 23 | 23 40 | 0 19 | 21 32 |
| S 13 | 20 16   | 22 3  | 1 41 | 25 11 | 2 10 | 22 48 | 0 27 | 21 30 | 1 33 | 16 35 | 0 43 | 21 50 | 1 23 | 23 40 | 0 19 | 21 32 |
| M14  | 20 28   | 18 11 | 0 40 | 25 21 | 2 12 | 23 0  | 0 29 | 21 22 | 1 32 | 16 34 | 0 43 | 21 50 | 1 23 | 23 40 | 0 19 | 21 32 |
| T 15 | 20 40   | 13 35 | 0n23 | 25 28 | 2 13 | 23 10 | 0 31 | 21 14 | 1 31 | 16 33 | 0 43 | 21 49 | 1 23 | 23 40 | 0 19 | 21 32 |
| W16  | 20 51   | 8 23  | 1 26 | 25 34 | 2 13 | 23 21 | 0 34 | 21 5  | 1 31 | 16 33 | 0 44 | 21 49 | 1 23 | 23 40 | 0 19 | 21 32 |
| T 17 | 21 2    | 2 45  | 2 27 | 25 37 | 2 12 | 23 30 | 0 36 | 20 57 | 1 30 | 16 33 | 0 44 | 21 49 | 1 23 | 23 41 | 0 19 | 21 32 |
| F 18 | 21 12   | 3n 8  | 3 22 | 25 38 | 2 10 | 23 39 | 0 38 | 20 48 | 1 30 | 16 32 | 0 44 | 21 49 | 1 23 | 23 41 | 0 19 | 21 31 |
| S 19 | 21 23   | 9 4   | 4 8  | 25 38 | 2 8  | 23 48 | 0 41 | 20 39 | 1 29 | 16 32 | 0 44 | 21 48 | 1 23 | 23 41 | 0 19 | 21 31 |
| S 20 | 21 32   | 14 47 | 4 42 | 25 35 | 2 5  | 23 55 | 0 43 | 20 30 | 1 28 | 16 32 | 0 45 | 21 48 | 1 23 | 23 41 | 0 19 | 21 31 |
| M21  | 21 42   | 19 56 | 5 0  | 25 31 | 2 1  | 24 2  | 0 45 | 20 21 | 1 28 | 16 32 | 0 45 | 21 48 | 1 23 | 23 41 | 0 19 | 21 31 |
| T 22 | 21 51   | 24 3  | 5 0  | 25 26 | 1 56 | 24 8  | 0 47 | 20 12 | 1 27 | 16 31 | 0 45 | 21 48 | 1 23 | 23 41 | 0 19 | 21 31 |
| W23  | 22 0    | 26 41 | 4 40 | 25 19 | 1 51 | 24 14 | 0 50 | 20 3  | 1 26 | 16 31 | 0 45 | 21 47 | 1 23 | 23 41 | 0 19 | 21 31 |
| T 24 | 22 8    | 27 26 | 4 0  | 25 10 | 1 45 | 24 18 | 0 52 | 19 53 | 1 26 | 16 31 | 0 46 | 21 47 | 1 23 | 23 41 | 0 19 | 21 31 |
| F 25 | 22 16   | 26 9  | 3 4  | 25 0  | 1 38 | 24 22 | 0 54 | 19 44 | 1 25 | 16 31 | 0 46 | 21 47 | 1 23 | 23 41 | 0 19 | 21 30 |
| S 26 | 22 23   | 23 2  | 1 55 | 24 50 | 1 30 | 24 26 | 0 56 | 19 34 | 1 25 | 16 32 | 0 46 | 21 47 | 1 23 | 23 42 | 0 19 | 21 30 |
| S 27 | 22 30   | 18 28 | 0 40 | 24 38 | 1 22 | 24 28 | 0 58 | 19 24 | 1 24 | 16 32 | 0 47 | 21 46 | 1 23 | 23 42 | 0 19 | 21 30 |
| M28  | 22 37   | 12 56 | 0s36 | 24 25 | 1 13 | 24 30 | 1 0  | 19 14 | 1 23 | 16 32 | 0 47 | 21 46 | 1 23 | 23 42 | 0 19 | 21 30 |
| T 29 | 22 44   | 6 52  | 1 48 | 24 11 | 1 3  | 24 31 | 1 2  | 19 4  | 1 23 | 16 32 | 0 47 | 21 46 | 1 23 | 23 42 | 0 19 | 21 30 |
| W30  | 22 50   | 0 38  | 2 53 | 23 56 | 0 52 | 24 32 | 1 4  | 18 54 | 1 22 | 16 33 | 0 47 | 21 45 | 1 22 | 23 42 | 0 19 | 21 30 |
| T 31 | 22n55   | 5s29  | 3s46 | 23n41 | 0n41 | 24n31 | 1n 6 | 18n44 | 1n22 | 16s33 | 0s48 | 21s45 | 1n22 | 23s42 | 0s19 | 21s30 |

Julian Day Number = 2264304.5, Delta T = 211.22 sec  
 Ecliptic obliquity = 23°30'28, Nutation = 0°00'10  
 Ayanamsha: Fagan/Bradley = 17°35'15, Lahiri = 16°42'15 Julian Calendar 1 May 1487 == Greg. Calendar 10 May 1487

SWISS EPHEMERIS for the year 1487

JUNE 1487 JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽       | ♀      | ♂     | ♃     | ♄      | ♅      | ♆     | ♇      | ♁      | ♂      | ♁     | ♃     | ♄      |
|------|----------|-----------|---------|--------|-------|-------|--------|--------|-------|--------|--------|--------|-------|-------|--------|
| F 1  | 17 11 42 | 18II27'25 | 18♁ 7   | 12♁17  | 5♁45  | 11♁57 | 16°R57 | 19°R50 | 5°R46 | 17°R18 | 18°R58 | 17°R24 | 18♁33 | 17♁24 | 15°V51 |
| S 2  | 17 15 38 | 19°24'39  | 0III54  | 12°58  | 6°59  | 12°32 | 16♁56  | 19♁46  | 5♁43  | 17♁16  | 18♁57  | 17♁18  | 18°30 | 17°30 | 15°53  |
| S 3  | 17 19 35 | 20°21'52  | 13°29   | 13°34  | 8°12  | 13° 7 | 16°55  | 19°41  | 5°41  | 17°15  | 18°57  | 17°10  | 18°27 | 17°37 | 15°55  |
| M 4  | 17 23 32 | 21°19'05  | 25°53   | 14° 7  | 9°25  | 13°42 | 16°54  | 19°37  | 5°39  | 17°13  | 18°56  | 17° 0  | 18°23 | 17°44 | 15°57  |
| T 5  | 17 27 28 | 22°16'17  | 8♁ 6    | 14°35  | 10°39 | 14°17 | 16°52  | 19°33  | 5°37  | 17°11  | 18°56  | 16°50  | 18°20 | 17°50 | 15°59  |
| W 6  | 17 31 25 | 23°13'29  | 20°12   | 14°59  | 11°52 | 14°53 | 16°51  | 19°28  | 5°34  | 17°10  | 18°55  | 16°40  | 18°17 | 17°57 | 16° 1  |
| T 7  | 17 35 21 | 24°10'40  | 2♁10    | 15°18  | 13° 5 | 15°28 | 16°49  | 19°24  | 5°32  | 17° 8  | 18°55  | 16°32  | 18°14 | 18° 4 | 16° 2  |
| F 8  | 17 39 18 | 25° 7'51  | 14° 2   | 15°33  | 14°18 | 16° 4 | 16°47  | 19°19  | 5°30  | 17° 7  | 18°54  | 16°25  | 18°11 | 18°10 | 16° 4  |
| S 9  | 17 43 14 | 26° 5'02  | 25°51   | 15°43  | 15°31 | 16°39 | 16°44  | 19°15  | 5°27  | 17° 5  | 18°54  | 16°21  | 18° 8 | 18°17 | 16° 6  |
| S 10 | 17 47 11 | 27° 2'13  | 7♁38    | 15°49  | 16°45 | 17°15 | 16°42  | 19°11  | 5°25  | 17° 3  | 18°53  | 16°19  | 18° 4 | 18°24 | 16° 8  |
| M11  | 17 51 7  | 27°59'23  | 19°29   | 15°R50 | 17°58 | 17°50 | 16°39  | 19° 6  | 5°22  | 17° 2  | 18°53  | 16°D18 | 18° 1 | 18°30 | 16° 9  |
| T 12 | 17 55 4  | 28°56'34  | 1♁25    | 15°47  | 19°11 | 18°26 | 16°36  | 19° 2  | 5°20  | 17° 0  | 18°53  | 16°19  | 17°58 | 18°37 | 16°11  |
| W13  | 17 59 1  | 29°53'45  | 13°32   | 15°39  | 20°24 | 19° 2 | 16°33  | 18°58  | 5°18  | 16°59  | 18°53  | 16°20  | 17°55 | 18°44 | 16°13  |
| T 14 | 18 2 57  | 0♁50'55   | 25°54   | 15°26  | 21°37 | 19°38 | 16°30  | 18°53  | 5°15  | 16°57  | 18°52  | 16°R21 | 17°52 | 18°50 | 16°14  |
| F 15 | 18 6 54  | 1°48'06   | 6°34'04 | 18°48  | 12°52 | 28°56 | 23°13  | 16° 7  | 18°28 | 5° 1   | 16°48  | 18°D52 | 16° 0 | 17°33 | 19°30  |
| S 16 | 18 10 50 | 2°45'17   | 21°45   | 14°49  | 24° 3 | 20°49 | 16°23  | 18°45  | 5°10  | 16°54  | 18°52  | 16°20  | 17°45 | 19° 4 | 16°17  |
| S 17 | 18 14 47 | 3°42'28   | 5♁20    | 14°25  | 25°17 | 21°25 | 16°20  | 18°41  | 5° 8  | 16°52  | 18°52  | 16°16  | 17°42 | 19°10 | 16°18  |
| M18  | 18 18 43 | 4°39'40   | 19°24   | 13°57  | 26°30 | 22° 1 | 16°16  | 18°37  | 5° 5  | 16°51  | 18°52  | 16°11  | 17°39 | 19°17 | 16°20  |
| T 19 | 18 22 40 | 5°36'52   | 3II55   | 13°26  | 27°43 | 22°37 | 16°12  | 18°32  | 5° 3  | 16°49  | 18°52  | 16° 6  | 17°36 | 19°24 | 16°21  |
| W20  | 18 26 36 | 6°34'04   | 18°48   | 12°52  | 28°56 | 23°13 | 16° 7  | 18°28  | 5° 1  | 16°48  | 18°D52 | 16° 0  | 17°33 | 19°30 | 16°22  |
| T 21 | 18 30 33 | 7°31'17   | 3♁55    | 12°17  | 0♁ 9  | 23°50 | 16° 3  | 18°24  | 4°58  | 16°46  | 18°52  | 15°55  | 17°29 | 19°37 | 16°23  |
| F 22 | 18 34 30 | 8°28'29   | 19° 8   | 11°40  | 1°22  | 24°26 | 15°58  | 18°20  | 4°56  | 16°45  | 18°52  | 15°51  | 17°26 | 19°44 | 16°24  |
| S 23 | 18 38 26 | 9°25'42   | 4♁15    | 11° 2  | 2°35  | 25° 2 | 15°54  | 18°16  | 4°53  | 16°43  | 18°52  | 15°49  | 17°23 | 19°50 | 16°25  |
| S 24 | 18 42 23 | 10°22'55  | 19° 8   | 10°24  | 3°48  | 25°38 | 15°49  | 18°12  | 4°51  | 16°42  | 18°52  | 15°D48 | 17°20 | 19°57 | 16°26  |
| M25  | 18 46 19 | 11°20'07  | 3III40  | 9°46   | 5° 1  | 26°15 | 15°44  | 18° 9  | 4°49  | 16°41  | 18°52  | 15°49  | 17°17 | 20° 3 | 16°27  |
| T 26 | 18 50 16 | 12°17'20  | 17°49   | 9° 9   | 6°14  | 26°51 | 15°39  | 18° 5  | 4°46  | 16°39  | 18°52  | 15°51  | 17°14 | 20°10 | 16°28  |
| W27  | 18 54 12 | 13°14'32  | 1♁33    | 8°34   | 7°27  | 27°27 | 15°33  | 18° 1  | 4°44  | 16°38  | 18°52  | 15°52  | 17°10 | 20°17 | 16°29  |
| T 28 | 18 58 9  | 14°11'45  | 14°54   | 8° 1   | 8°40  | 28° 4 | 15°28  | 17°57  | 4°41  | 16°36  | 18°53  | 15°R52 | 17° 7 | 20°23 | 16°30  |
| F 29 | 19 2 5   | 15° 8'57  | 27°53   | 7°32   | 9°52  | 28°40 | 15°22  | 17°53  | 4°39  | 16°35  | 18°53  | 15°52  | 17° 4 | 20°30 | 16°31  |
| S 30 | 19 6 2   | 16♁ 6'10  | 10III33 | 7♁ 5   | 11♁ 5 | 29♁17 | 15♁16  | 17♁50  | 4♁37  | 16♁34  | 18♁53  | 15♁50  | 17♁ 1 | 20♁37 | 16♁31  |

| Day  | ☉     | ☽     | ♀    | ♂     | ♃    | ♄     | ♅    | ♆     | ♇    | ♁     | ♂    | ♁     | ♃    | ♄     | ♅    |       |      |      |       |       |       |       |      |      |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| F 1  | 23n 0 | 11s14 | 4s26 | 23n26 | 0n29 | 24n30 | 1n 8 | 18n33 | 1n21 | 16s34 | 0s48 | 21s45 | 1n22 | 23s42 | 0s19 | 21s29 | 1n25 | 8n36 | 17n20 | 15s40 | 15s19 | 25s 1 | 7n39 | 1n31 |
| S 2  | 23 5  | 16 23 | 4 53 | 23 9  | 0 17 | 24 29 | 1 9  | 18 23 | 1 20 | 16 34 | 0 48 | 21 45 | 1 22 | 23 42 | 0 19 | 21 29 | 1 25 | 8 36 | 17 20 | 15 42 | 15 20 | 24 59 | 7 40 | 1 31 |
| S 3  | 23 9  | 20 46 | 5 4  | 22 53 | 0 4  | 24 26 | 1 11 | 18 12 | 1 20 | 16 35 | 0 48 | 21 44 | 1 22 | 23 42 | 0 19 | 21 29 | 1 25 | 8 36 | 17 19 | 15 44 | 15 21 | 24 58 | 7 41 | 1 31 |
| M 4  | 23 13 | 24 9  | 5 1  | 22 36 | 0s10 | 24 23 | 1 13 | 18 1  | 1 19 | 16 35 | 0 49 | 21 44 | 1 22 | 23 43 | 0 19 | 21 29 | 1 25 | 8 35 | 17 19 | 15 47 | 15 22 | 24 56 | 7 41 | 1 31 |
| T 5  | 23 17 | 26 24 | 4 45 | 22 19 | 0 24 | 24 19 | 1 15 | 17 51 | 1 19 | 16 36 | 0 49 | 21 44 | 1 22 | 23 43 | 0 19 | 21 29 | 1 25 | 8 35 | 17 18 | 15 50 | 15 23 | 24 55 | 7 42 | 1 31 |
| W 6  | 23 20 | 27 23 | 4 15 | 22 2  | 0 38 | 24 14 | 1 16 | 17 40 | 1 18 | 16 37 | 0 49 | 21 44 | 1 22 | 23 43 | 0 19 | 21 29 | 1 25 | 8 35 | 17 18 | 15 53 | 15 24 | 24 53 | 7 43 | 1 31 |
| T 7  | 23 23 | 27 4  | 3 34 | 21 45 | 0 53 | 24 9  | 1 18 | 17 29 | 1 17 | 16 38 | 0 49 | 21 43 | 1 22 | 23 43 | 0 19 | 21 29 | 1 25 | 8 34 | 17 17 | 15 56 | 15 24 | 24 51 | 7 44 | 1 31 |
| F 8  | 23 25 | 25 30 | 2 45 | 21 28 | 1 9  | 24 3  | 1 19 | 17 17 | 1 17 | 16 38 | 0 50 | 21 43 | 1 22 | 23 43 | 0 19 | 21 28 | 1 25 | 8 34 | 17 17 | 15 58 | 15 25 | 24 50 | 7 44 | 1 31 |
| S 9  | 23 27 | 22 48 | 1 48 | 21 11 | 1 24 | 23 56 | 1 21 | 17 6  | 1 16 | 16 39 | 0 50 | 21 43 | 1 22 | 23 43 | 0 19 | 21 28 | 1 25 | 8 34 | 17 16 | 15 59 | 15 26 | 24 48 | 7 45 | 1 31 |
| S 10 | 23 28 | 19 10 | 0 47 | 20 55 | 1 40 | 23 49 | 1 22 | 16 55 | 1 16 | 16 40 | 0 50 | 21 43 | 1 22 | 23 43 | 0 19 | 21 28 | 1 25 | 8 33 | 17 16 | 16 0  | 15 27 | 24 46 | 7 46 | 1 31 |
| M11  | 23 30 | 14 45 | 0n17 | 20 39 | 1 56 | 23 41 | 1 23 | 16 43 | 1 15 | 16 41 | 0 50 | 21 42 | 1 21 | 23 43 | 0 19 | 21 28 | 1 25 | 8 33 | 17 15 | 16 0  | 15 28 | 24 44 | 7 46 | 1 31 |
| T 12 | 23 30 | 9 45  | 1 21 | 20 23 | 2 12 | 23 32 | 1 25 | 16 32 | 1 15 | 16 43 | 0 51 | 21 42 | 1 21 | 23 43 | 0 19 | 21 28 | 1 25 | 8 32 | 17 14 | 15 59 | 15 29 | 24 43 | 7 47 | 1 31 |
| W13  | 23 30 | 4 19  | 2 22 | 20 8  | 2 28 | 23 22 | 1 26 | 16 20 | 1 14 | 16 44 | 0 51 | 21 42 | 1 21 | 23 44 | 0 19 | 21 28 | 1 25 | 8 32 | 17 14 | 15 59 | 15 30 | 24 41 | 7 47 | 1 31 |
| T 14 | 23 30 | 1n24  | 3 18 | 19 54 | 2 44 | 23 12 | 1 27 | 16 8  | 1 13 | 16 45 | 0 51 | 21 42 | 1 21 | 23 44 | 0 19 | 21 28 | 1 25 | 8 32 | 17 13 | 15 59 | 15 31 | 24 39 | 7 48 | 1 31 |
| F 15 | 23 30 | 7 11  | 4 6  | 19 40 | 2 59 | 23 1  | 1 28 | 15 56 | 1 13 | 16 46 | 0 51 | 21 41 | 1 21 | 23 44 | 0 20 | 21 27 | 1 25 | 8 31 | 17 13 | 15 59 | 15 32 | 24 38 | 7 49 | 1 31 |
| S 16 | 23 29 | 12 51 | 4 42 | 19 28 | 3 14 | 22 50 | 1 29 | 15 44 | 1 12 | 16 47 | 0 52 | 21 41 | 1 21 | 23 44 | 0 20 | 21 27 | 1 25 | 8 31 | 17 12 | 15 59 | 15 33 | 24 36 | 7 49 | 1 31 |
| S 17 | 23 27 | 18 7  | 5 4  | 19 16 | 3 29 | 22 37 | 1 30 | 15 32 | 1 12 | 16 49 | 0 52 | 21 41 | 1 21 | 23 44 | 0 20 | 21 27 | 1 25 | 8 30 | 17 12 | 16 0  | 15 34 | 24 34 | 7 50 | 1 31 |
| M18  | 23 26 | 22 35 | 5 9  | 19 5  | 3 42 | 22 25 | 1 31 | 15 20 | 1 11 | 16 50 | 0 52 | 21 41 | 1 21 | 23 44 | 0 20 | 21 27 | 1 25 | 8 30 | 17 11 | 16 2  | 15 35 | 24 32 | 7 50 | 1 31 |
| T 19 | 23 23 | 25 49 | 4 55 | 18 56 | 3 55 | 22 11 | 1 32 | 15 7  | 1 10 | 16 52 | 0 52 | 21 40 | 1 21 | 23 44 | 0 20 | 21 27 | 1 25 | 8 29 | 17 11 | 16 3  | 15 36 | 24 31 | 7 51 | 1 31 |
| W20  | 23 21 | 27 22 | 4 21 | 18 47 | 4 7  | 21 57 | 1 33 | 14 55 | 1 10 | 16 53 | 0 53 | 21 40 | 1 20 | 23 44 | 0 20 | 21 27 | 1 25 | 8 29 | 17 10 | 16 5  | 15 37 | 24 29 | 7 51 | 1 31 |
| T 21 | 23 18 | 26 55 | 3 28 | 18 40 | 4 17 | 21 42 | 1 34 | 14 42 | 1 9  | 16 55 | 0 53 | 21 40 | 1 20 | 23 44 | 0 20 | 21 27 | 1 25 | 8 28 | 17 9  | 16 7  | 15 38 | 24 27 | 7 52 | 1 31 |
| F 22 | 23 14 | 24 27 | 2 20 | 18 34 | 4 27 | 21 27 | 1 34 | 14 30 | 1 9  | 16 56 | 0 53 | 21 40 | 1 20 | 23 44 | 0 20 | 21 27 | 1 25 | 8 28 | 17 9  | 16 8  | 15 39 | 24 26 | 7 52 | 1 31 |
| S 23 | 23 10 | 20 16 | 1 3  | 18 29 | 4 35 | 21 11 | 1 35 | 14 17 | 1 8  | 16 58 | 0 53 | 21 40 | 1 20 | 23 45 | 0 20 | 21 26 | 1 25 | 8 27 | 17 8  | 16 8  | 15 40 | 24 24 | 7 53 | 1 31 |
| S 24 | 23 6  | 14 51 | 0s18 | 18 26 | 4 41 | 20    |      |       |      |       |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

JULY 1487 JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽         | ♀     | ♁         | ♂         | ♃      | ♅      | ♁     | ♄      | ♁     | ♁      | ♁     | ♁      | ♁      |
|------|----------|-----------|-----------|-------|-----------|-----------|--------|--------|-------|--------|-------|--------|-------|--------|--------|
| S 1  | 19 9 59  | 17°32'32" | 22°11'58" | 6°R43 | 12°18'18" | 29°05'54" | 15°R10 | 17°R46 | 4°R34 | 16°R32 | 18°54 | 15°R46 | 16°58 | 20°343 | 16°V32 |
| M 2  | 19 13 55 | 18°0'36"  | 5°11'11"  | 6°25  | 13°31     | 0°13'30"  | 15°44  | 17°43  | 4°32  | 16°31  | 18°54 | 15°42  | 16°55 | 20°50  | 16°32  |
| T 3  | 19 17 52 | 18°57'50" | 17°14     | 6°12  | 14°44     | 1°7       | 14°58  | 17°39  | 4°30  | 16°30  | 18°54 | 15°38  | 16°51 | 20°57  | 16°33  |
| W 4  | 19 21 48 | 19°55'04" | 29°10     | 6°4   | 15°56     | 1°44      | 14°52  | 17°36  | 4°27  | 16°28  | 18°55 | 15°33  | 16°48 | 21°3   | 16°33  |
| T 5  | 19 25 45 | 20°52'18" | 11°32'2   | 6°D 2 | 17°9      | 2°21      | 14°45  | 17°33  | 4°25  | 16°27  | 18°55 | 15°30  | 16°45 | 21°10  | 16°34  |
| F 6  | 19 29 41 | 21°49'33" | 22°51     | 6°5   | 18°22     | 2°57      | 14°39  | 17°29  | 4°23  | 16°26  | 18°56 | 15°27  | 16°42 | 21°17  | 16°34  |
| S 7  | 19 33 38 | 22°46'48" | 4°40      | 6°13  | 19°35     | 3°34      | 14°32  | 17°26  | 4°20  | 16°25  | 18°56 | 15°25  | 16°39 | 21°23  | 16°34  |
| S 8  | 19 37 35 | 23°44'04" | 16°30     | 6°28  | 20°47     | 4°11      | 14°25  | 17°23  | 4°18  | 16°23  | 18°57 | 15°D25 | 16°35 | 21°30  | 16°35  |
| M 9  | 19 41 31 | 24°41'21" | 28°24     | 6°49  | 22°0      | 4°48      | 14°19  | 17°20  | 4°16  | 16°22  | 18°58 | 15°25  | 16°32 | 21°37  | 16°35  |
| T 10 | 19 45 28 | 25°38'39" | 10°11'26" | 7°15  | 23°12     | 5°25      | 14°12  | 17°17  | 4°14  | 16°21  | 18°58 | 15°27  | 16°29 | 21°43  | 16°35  |
| W 11 | 19 49 24 | 26°35'57" | 22°38     | 7°48  | 24°25     | 6°2       | 14°5   | 17°14  | 4°12  | 16°20  | 18°59 | 15°28  | 16°26 | 21°50  | 16°35  |
| T 12 | 19 53 21 | 27°33'17" | 5°V 4     | 8°26  | 25°38     | 6°40      | 13°57  | 17°11  | 4°9   | 16°19  | 19°0  | 15°29  | 16°23 | 21°57  | 16°R35 |
| F 13 | 19 57 17 | 28°30'37" | 17°48     | 9°10  | 26°50     | 7°17      | 13°50  | 17°9   | 4°7   | 16°18  | 19°0  | 15°30  | 16°20 | 22°3   | 16°35  |
| S 14 | 20 1 14  | 29°27'59" | 0°353     | 10°0  | 28°3      | 7°54      | 13°43  | 17°6   | 4°5   | 16°17  | 19°1  | 15°R31 | 16°16 | 22°10  | 16°35  |
| S 15 | 20 5 10  | 0°125'21" | 14°22     | 10°56 | 29°15     | 8°31      | 13°36  | 17°3   | 4°3   | 16°15  | 19°2  | 15°30  | 16°13 | 22°17  | 16°35  |
| M 16 | 20 9 7   | 1°22'46"  | 28°17     | 11°58 | 0°13'28"  | 9°9       | 13°28  | 17°1   | 4°1   | 16°14  | 19°3  | 15°29  | 16°10 | 22°23  | 16°35  |
| T 17 | 20 13 4  | 2°20'11"  | 12°11'37" | 13°5  | 1°40      | 9°46      | 13°21  | 16°58  | 3°59  | 16°13  | 19°4  | 15°28  | 16°7  | 22°30  | 16°34  |
| W 18 | 20 17 0  | 3°17'37"  | 27°20     | 14°18 | 2°52      | 10°23     | 13°13  | 16°56  | 3°57  | 16°12  | 19°5  | 15°26  | 16°4  | 22°37  | 16°34  |
| T 19 | 20 20 57 | 4°15'05"  | 12°25'20" | 15°35 | 4°5       | 11°1      | 13°5   | 16°54  | 3°55  | 16°11  | 19°5  | 15°25  | 16°1  | 22°43  | 16°34  |
| F 20 | 20 24 53 | 5°12'34"  | 27°29     | 16°58 | 5°17      | 11°38     | 12°58  | 16°51  | 3°53  | 16°11  | 19°6  | 15°24  | 15°57 | 22°50  | 16°33  |
| S 21 | 20 28 50 | 6°10'04"  | 12°12'38" | 18°26 | 6°30      | 12°16     | 12°50  | 16°49  | 3°51  | 16°10  | 19°7  | 15°D24 | 15°54 | 22°57  | 16°33  |
| S 22 | 20 32 46 | 7°7'34"   | 27°37     | 19°59 | 7°42      | 12°54     | 12°42  | 16°47  | 3°49  | 16°9   | 19°9  | 15°24  | 15°51 | 23°3   | 16°32  |
| M 23 | 20 36 43 | 8°5'06"   | 12°11'20" | 21°35 | 8°54      | 13°31     | 12°34  | 16°45  | 3°47  | 16°8   | 19°10 | 15°24  | 15°48 | 23°10  | 16°32  |
| T 24 | 20 40 39 | 9°2'39"   | 26°39     | 23°16 | 10°6      | 14°9      | 12°27  | 16°43  | 3°45  | 16°7   | 19°11 | 15°25  | 15°45 | 23°17  | 16°31  |
| W 25 | 20 44 36 | 10°0'12"  | 10°12'32" | 25°0  | 11°19     | 14°47     | 12°19  | 16°42  | 3°44  | 16°6   | 19°12 | 15°26  | 15°41 | 23°23  | 16°30  |
| T 26 | 20 48 33 | 10°57'46" | 23°59     | 26°48 | 12°31     | 15°25     | 12°11  | 16°40  | 3°42  | 16°6   | 19°13 | 15°26  | 15°38 | 23°30  | 16°30  |
| F 27 | 20 52 29 | 11°55'22" | 7°11'2    | 28°39 | 13°43     | 16°3      | 12°3   | 16°38  | 3°40  | 16°5   | 19°14 | 15°R26 | 15°35 | 23°37  | 16°29  |
| S 28 | 20 56 26 | 12°52'58" | 19°42     | 0°133 | 14°55     | 16°41     | 11°55  | 16°37  | 3°38  | 16°4   | 19°15 | 15°26  | 15°32 | 23°43  | 16°28  |
| S 29 | 21 0 22  | 13°50'35" | 2°11'4    | 2°28  | 16°7      | 17°18     | 11°47  | 16°35  | 3°37  | 16°3   | 19°17 | 15°26  | 15°29 | 23°50  | 16°27  |
| M 30 | 21 4 19  | 14°48'13" | 14°12     | 4°26  | 17°19     | 17°57     | 11°40  | 16°34  | 3°35  | 16°3   | 19°18 | 15°26  | 15°26 | 23°57  | 16°26  |
| T 31 | 21 8 15  | 15°45'53" | 26°11'9"  | 6°125 | 18°131    | 18°135    | 11°32  | 16°133 | 3°34  | 16°2   | 19°19 | 15°D26 | 15°22 | 24°3   | 16°V25 |

| Day  | ☉          | ☽       | ♀       | ♁     | ♂     | ♃     | ♅     | ♁     | ♄     | ♁     | ♁     | ♁     | ♁     | ♁     | ♁     |       |       |       |       |       |       |      |      |      |
|------|------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
|      | decl       | decl    | lat     | decl  | lat   | decl  | lat   | decl  | lat   | decl  | lat   | decl  | lat   | decl  | lat   |       |       |       |       |       |       |      |      |      |
| S 1  | 22n25      | 23s34   | 5s11    | 18n40 | 4s40  | 18n43 | 1n37  | 12n32 | 1n3   | 17s13 | 0s55  | 21s38 | 1n19  | 23s45 | 0s20  | 21s26 | 1n24  | 8n22  | 17n4  | 16s9  | 15s48 | 24s9 | 7n55 | 1n31 |
| M 2  | 22 18 26   | 4 5 55  | 18 48   | 4 34  | 18 22 | 1 37  | 12 18 | 1 3   | 17 15 | 0 55  | 21 38 | 1 19  | 23 45 | 0 20  | 21 26 | 1 24  | 8 21  | 17 3  | 16 10 | 15 49 | 24 8  | 7 55 | 1 31 |      |
| T 3  | 22 10 27   | 19 4 27 | 18 56   | 4 26  | 18 0  | 1 37  | 12 5  | 1 2   | 17 17 | 0 56  | 21 38 | 1 19  | 23 45 | 0 20  | 21 25 | 1 24  | 8 21  | 17 2  | 16 12 | 15 50 | 24 6  | 7 56 | 1 31 |      |
| W 4  | 22 1 27    | 18 3 47 | 19 5    | 4 17  | 17 39 | 1 37  | 11 51 | 1 2   | 17 19 | 0 56  | 21 37 | 1 19  | 23 46 | 0 20  | 21 25 | 1 24  | 8 20  | 17 1  | 16 13 | 15 51 | 24 4  | 7 56 | 1 31 |      |
| T 5  | 21 53 26   | 0 2 58  | 19 15   | 4 7   | 17 16 | 1 37  | 11 37 | 1 1   | 17 21 | 0 56  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 19  | 17 1  | 16 14 | 15 52 | 24 2  | 7 56 | 1 31 |      |
| F 6  | 21 44 23   | 33 2 1  | 19 26   | 3 57  | 16 53 | 1 36  | 11 23 | 1 0   | 17 23 | 0 56  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 19  | 17 1  | 16 15 | 15 53 | 24 0  | 7 56 | 1 31 |      |
| S 7  | 21 35 20   | 6 0 59  | 19 37   | 3 45  | 16 30 | 1 36  | 11 9  | 1 0   | 17 25 | 0 56  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 18  | 17 0  | 16 15 | 15 54 | 23 58 | 7 56 | 1 31 |      |
| S 8  | 21 25 15   | 51 0n 6 | 19 49   | 3 32  | 16 7  | 1 35  | 10 55 | 0 59  | 17 27 | 0 57  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 17  | 16 59 | 16 16 | 15 55 | 23 57 | 7 56 | 1 31 |      |
| M 9  | 21 15 10   | 57 1 11 | 20 2    | 3 19  | 15 43 | 1 35  | 10 41 | 0 59  | 17 29 | 0 57  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 16  | 16 59 | 16 15 | 15 55 | 23 55 | 7 56 | 1 31 |      |
| T 10 | 21 4 5     | 37 2 14 | 20 14   | 3 5   | 15 18 | 1 34  | 10 27 | 0 58  | 17 32 | 0 57  | 21 37 | 1 18  | 23 46 | 0 20  | 21 25 | 1 24  | 8 16  | 16 58 | 16 15 | 15 56 | 23 53 | 7 56 | 1 31 |      |
| W 11 | 20 54 0    | 0 3 11  | 20 27   | 2 50  | 14 53 | 1 33  | 10 13 | 0 58  | 17 34 | 0 57  | 21 36 | 1 17  | 23 46 | 0 20  | 21 25 | 1 24  | 8 15  | 16 58 | 16 15 | 15 57 | 23 51 | 7 56 | 1 31 |      |
| T 12 | 20 43 5n42 | 4 1 20  | 39 2 36 | 14 28 | 1 32  | 9 58  | 0 57  | 17 36 | 0 57  | 21 36 | 1 17  | 23 46 | 0 20  | 21 25 | 1 24  | 8 14  | 16 57 | 16 14 | 15 58 | 23 49 | 7 56  | 1 31 |      |      |
| F 13 | 20 31 11   | 19 4 40 | 20 51   | 2 21  | 14 2  | 1 32  | 9 44  | 0 56  | 17 38 | 0 58  | 21 36 | 1 17  | 23 46 | 0 20  | 21 25 | 1 24  | 8 13  | 16 57 | 16 14 | 15 59 | 23 47 | 7 56 | 1 31 |      |
| S 14 | 20 19 16   | 35 5 6  | 21 3    | 2 6   | 13 36 | 1 31  | 9 30  | 0 56  | 17 41 | 0 58  | 21 36 | 1 17  | 23 46 | 0 20  | 21 25 | 1 24  | 8 12  | 16 56 | 16 14 | 16 0  | 23 45 | 7 56 | 1 31 |      |
| S 15 | 20 7 21    | 14 5 16 | 21 13   | 1 50  | 13 10 | 1 30  | 9 15  | 0 55  | 17 43 | 0 58  | 21 36 | 1 17  | 23 46 | 0 20  | 21 24 | 1 24  | 8 12  | 16 56 | 16 14 | 16 1  | 23 43 | 7 56 | 1 31 |      |
| M 16 | 19 55 24   | 51 5 9  | 21 23   | 1 35  | 12 43 | 1 28  | 9 0   | 0 55  | 17 45 | 0 58  | 21 36 | 1 17  | 23 46 | 0 20  | 21 24 | 1 24  | 8 11  | 16 55 | 16 14 | 16 2  | 23 42 | 7 56 | 1 31 |      |
| T 17 | 19 42 27   | 2 4 42  | 21 32   | 1 20  | 12 16 | 1 27  | 8 46  | 0 54  | 17 48 | 0 58  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 24  | 8 10  | 16 54 | 16 15 | 16 3  | 23 40 | 7 56 | 1 31 |      |
| W 18 | 19 29 27   | 25 3 56 | 21 40   | 1 5   | 11 49 | 1 26  | 8 31  | 0 54  | 17 50 | 0 58  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 24  | 8 9   | 16 54 | 16 15 | 16 4  | 23 38 | 7 56 | 1 31 |      |
| T 19 | 19 15 25   | 49 2 53 | 21 46   | 0 50  | 11 21 | 1 25  | 8 16  | 0 53  | 17 52 | 0 59  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 24  | 8 8   | 16 53 | 16 16 | 16 5  | 23 36 | 7 56 | 1 31 |      |
| F 20 | 19 1 22    | 19 1 38 | 21 50   | 0 36  | 10 53 | 1 23  | 8 1   | 0 52  | 17 55 | 0 59  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 24  | 8 7   | 16 53 | 16 16 | 16 6  | 23 34 | 7 56 | 1 31 |      |
| S 21 | 18 47 17   | 19 0 15 | 21 52   | 0 22  | 10 25 | 1 22  | 7 46  | 0 52  | 17 57 | 0 59  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 24  | 8 7   | 16 52 | 16 16 | 16 7  | 23 32 | 7 56 | 1 31 |      |
| S 22 | 18 33 11   | 17 1s 7 | 21 53   | 0 8   | 9 57  | 1 20  | 7 31  | 0 51  | 17 59 | 0 59  | 21 36 | 1 16  | 23 47 | 0 20  | 21 24 | 1 23  | 8 6   | 16 52 | 16 16 | 16 8  | 23 30 | 7 55 | 1 31 |      |
| M 23 | 18 18 4    | 44 2 24 | 21 51   | 0n 5  | 9 28  | 1 19  | 7 16  | 0 51  | 18 2  | 0 59  | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 5   | 16 51 | 16 16 | 16 9  | 23 28 | 7 55 | 1 31 |      |
| T 24 | 18 3 1s52  | 3 30    | 21 47   | 0 17  | 8 59  | 1 17  | 7 1   | 0 50  | 18 4  | 0 59  | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 4   | 16 51 | 16 16 | 16 10 | 23 26 | 7 55 | 1 31 |      |
| W 25 | 17 47 8    | 11 4 21 | 21 40   | 0 29  | 8 30  | 1 15  | 6 46  | 0 49  | 18 6  | 1 0   | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 3   | 16 50 | 16 15 | 16 11 | 23 24 | 7 55 | 1 31 |      |
| T 26 | 17 32 13   | 54 4 56 | 21 30   | 0 40  | 8 1   | 1 13  | 6 31  | 0 49  | 18 9  | 1 0   | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 2   | 16 49 | 16 15 | 16 12 | 23 22 | 7 54 | 1 31 |      |
| F 27 | 17 16 18   | 50 5 14 | 21 18   | 0 50  | 7 31  | 1 11  | 6 16  | 0 48  | 18 11 | 1 0   | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 1   | 16 49 | 16 15 | 16 13 | 23 20 | 7 54 | 1 31 |      |
| S 28 | 17 0 22    | 47 5 17 | 21 3    | 0 59  | 7 1   | 1 9   | 6 0   | 0 48  | 18 13 | 1 0   | 21 36 | 1 15  | 23 47 | 0 20  | 21 24 | 1 23  | 8 0   | 16 48 | 16 15 | 16 14 | 23 18 | 7 54 | 1 31 |      |
| S 29 | 16 43 25   | 36 5 4  | 20 46   | 1 8   | 6 31  | 1 7   | 5 45  | 0 47  |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |

SWISS EPHEMERIS for the year 1487

AUGUST 1487 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♅      | ♁     | ♄      | ♁     | ♁      | ♁     | ♁     | ♁      |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|--------|-------|--------|-------|-------|--------|
| W 1  | 21 12 12 | 16°43'33 | 8♁ 1  | 8♁25  | 19♁43 | 19♁13 | 11°R24 | 16°R32 | 3°R32 | 16°R 2 | 19♁21 | 15°26  | 15°19 | 24♁10 | 16°R24 |
| T 2  | 21 16 8  | 17°41'15 | 19°49 | 10°25 | 20°55 | 19°51 | 11°16  | 16°31  | 3°31  | 16°1   | 19°22 | 15°26  | 15°16 | 24°17 | 16°Y23 |
| F 3  | 21 20 5  | 18°38'58 | 1♁38  | 12°26 | 22° 7 | 20°29 | 11° 9  | 16°30  | 3°29  | 16° 0  | 19°23 | 15°26  | 15°13 | 24°23 | 16°22  |
| S 4  | 21 24 2  | 19°36'42 | 13°30 | 14°28 | 23°19 | 21° 7 | 11° 1  | 16°29  | 3°28  | 16° 0  | 19°25 | 15°R27 | 15°10 | 24°30 | 16°21  |
| S 5  | 21 27 58 | 20°34'28 | 25°27 | 16°29 | 24°30 | 21°46 | 10°53  | 16°28  | 3°26  | 15°59  | 19°26 | 15°26  | 15° 6 | 24°36 | 16°19  |
| M 6  | 21 31 55 | 21°32'15 | 7♁31  | 18°29 | 25°42 | 22°24 | 10°46  | 16°27  | 3°25  | 15°59  | 19°28 | 15°26  | 15° 3 | 24°43 | 16°18  |
| T 7  | 21 35 51 | 22°30'03 | 19°44 | 20°30 | 26°54 | 23° 2 | 10°38  | 16°27  | 3°24  | 15°59  | 19°29 | 15°25  | 15° 0 | 24°50 | 16°17  |
| W 8  | 21 39 48 | 23°27'53 | 2°Y 8 | 22°29 | 28° 5 | 23°41 | 10°31  | 16°26  | 3°22  | 15°58  | 19°31 | 15°24  | 14°57 | 24°56 | 16°15  |
| T 9  | 21 43 44 | 24°25'45 | 14°44 | 24°28 | 29°17 | 24°19 | 10°23  | 16°26  | 3°21  | 15°58  | 19°32 | 15°23  | 14°54 | 25° 3 | 16°14  |
| F 10 | 21 47 41 | 25°23'39 | 27°36 | 26°26 | 0♁29  | 24°58 | 10°16  | 16°26  | 3°20  | 15°57  | 19°34 | 15°22  | 14°51 | 25°10 | 16°12  |
| S 11 | 21 51 37 | 26°21'34 | 10♁45 | 28°22 | 1°40  | 25°36 | 10° 9  | 16°25  | 3°19  | 15°57  | 19°36 | 15°21  | 14°47 | 25°16 | 16°11  |
| S 12 | 21 55 34 | 27°19'31 | 24°12 | 0♁18  | 2°52  | 26°15 | 10° 1  | 16°D25 | 3°18  | 15°57  | 19°37 | 15°D21 | 14°44 | 25°23 | 16° 9  |
| M13  | 21 59 31 | 28°17'31 | 7♁59  | 2°12  | 4° 3  | 26°54 | 9°54   | 16°25  | 3°17  | 15°57  | 19°39 | 15°21  | 14°41 | 25°30 | 16° 8  |
| T 14 | 22 3 27  | 29°15'32 | 22° 6 | 4° 6  | 5°14  | 27°32 | 9°47   | 16°26  | 3°15  | 15°57  | 19°41 | 15°22  | 14°38 | 25°36 | 16° 6  |
| W15  | 22 7 24  | 0♁13'35  | 6♁31  | 5°58  | 6°26  | 28°11 | 9°40   | 16°26  | 3°15  | 15°56  | 19°42 | 15°23  | 14°35 | 25°43 | 16° 4  |
| T 16 | 22 11 20 | 1°11'40  | 21°12 | 7°48  | 7°37  | 28°50 | 9°34   | 16°26  | 3°14  | 15°56  | 19°44 | 15°24  | 14°32 | 25°50 | 16° 2  |
| F 17 | 22 15 17 | 2° 9'47  | 6♁ 4  | 9°38  | 8°48  | 29°29 | 9°27   | 16°26  | 3°13  | 15°56  | 19°46 | 15°25  | 14°28 | 25°56 | 16° 1  |
| S 18 | 22 19 13 | 3° 7'56  | 21° 0 | 11°27 | 10° 0 | 0♁ 8  | 9°20   | 16°27  | 3°12  | 15°56  | 19°48 | 15°R25 | 14°25 | 26° 3 | 15°59  |
| S 19 | 22 23 10 | 4° 6'07  | 5♁51  | 13°14 | 11°11 | 0°47  | 9°14   | 16°27  | 3°11  | 15°56  | 19°49 | 15°24  | 14°22 | 26°10 | 15°57  |
| M20  | 22 27 6  | 5° 4'19  | 20°31 | 15° 0 | 12°22 | 1°26  | 9° 8   | 16°28  | 3°10  | 15°D56 | 19°51 | 15°22  | 14°19 | 26°16 | 15°55  |
| T 21 | 22 31 3  | 6° 2'33  | 4♁53  | 16°44 | 13°33 | 2° 5  | 9° 1   | 16°29  | 3°10  | 15°56  | 19°53 | 15°20  | 14°16 | 26°23 | 15°53  |
| W22  | 22 35 0  | 7° 0'48  | 18°51 | 18°28 | 14°44 | 2°44  | 8°55   | 16°30  | 3° 9  | 15°56  | 19°55 | 15°17  | 14°12 | 26°30 | 15°51  |
| T 23 | 22 38 56 | 7°59'05  | 2♁23  | 20°10 | 15°55 | 3°23  | 8°49   | 16°31  | 3° 8  | 15°56  | 19°57 | 15°14  | 14° 9 | 26°36 | 15°49  |
| F 24 | 22 42 53 | 8°57'24  | 15°30 | 21°51 | 17° 6 | 4° 3  | 8°44   | 16°32  | 3° 8  | 15°56  | 19°59 | 15°11  | 14° 6 | 26°43 | 15°47  |
| S 25 | 22 46 49 | 9°55'45  | 28°13 | 23°32 | 18°17 | 4°42  | 8°38   | 16°33  | 3° 7  | 15°57  | 20° 1 | 15° 9  | 14° 3 | 26°50 | 15°44  |
| S 26 | 22 50 46 | 10°54'06 | 10♁36 | 25°10 | 19°28 | 5°21  | 8°32   | 16°34  | 3° 7  | 15°57  | 20° 3 | 15°D 9 | 14° 0 | 26°56 | 15°42  |
| M27  | 22 54 42 | 11°52'30 | 22°44 | 26°48 | 20°38 | 6° 1  | 8°27   | 16°36  | 3° 7  | 15°57  | 20° 5 | 15° 9  | 13°57 | 27° 3 | 15°40  |
| T 28 | 22 58 39 | 12°50'55 | 4♁40  | 28°25 | 21°49 | 6°40  | 8°22   | 16°37  | 3° 6  | 15°57  | 20° 7 | 15°11  | 13°53 | 27° 9 | 15°38  |
| W29  | 23 2 35  | 13°49'22 | 16°29 | 0♁ 1  | 23° 0 | 7°20  | 8°17   | 16°39  | 3° 6  | 15°57  | 20° 9 | 15°12  | 13°50 | 27°16 | 15°36  |
| T 30 | 23 6 32  | 14°47'51 | 28°18 | 1°35  | 24°10 | 7°59  | 8°12   | 16°40  | 3° 6  | 15°58  | 20°11 | 15°14  | 13°47 | 27°23 | 15°33  |
| F 31 | 23 10 29 | 15°46'21 | 10♁ 8 | 3♁ 9  | 25♁21 | 8♁39  | 8♁ 7   | 16♁42  | 3♁ 5  | 15♁58  | 20♁13 | 15°R15 | 13♁44 | 27♁29 | 15Y31  |

| Day  | ☉     | ☽     | ♀    | ♁     | ♂    | ♃    | ♅    | ♁    | ♄    | ♁     | ♁    | ♁     | ♁    | ♁     | ♁    |       |      |      |       |       |       |       |      |      |
|------|-------|-------|------|-------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| W 1  | 15n52 | 26s29 | 3s13 | 19n38 | 1n28 | 5n 1 | 1n 0 | 4n59 | 0n45 | 18s23 | 1s 0 | 21s36 | 1n14 | 23s47 | 0s20 | 21s24 | 1n23 | 7n56 | 16n46 | 16s15 | 16s17 | 23s10 | 7n52 | 1n31 |
| T 2  | 15 35 | 24 18 | 2 18 | 19 10 | 1 33 | 4 30 | 0 58 | 4 43 | 0 45 | 18 25 | 1 0  | 21 36 | 1 14 | 23 47 | 0 20 | 21 24 | 1 23 | 7 55 | 16 46 | 16 15 | 16 18 | 23 8  | 7 52 | 1 31 |
| F 3  | 15 17 | 21 5  | 1 16 | 18 40 | 1 37 | 3 59 | 0 56 | 4 27 | 0 44 | 18 27 | 1 0  | 21 36 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 54 | 16 45 | 16 15 | 16 19 | 23 6  | 7 51 | 1 31 |
| S 4  | 14 59 | 16 59 | 0 11 | 18 9  | 1 41 | 3 29 | 0 53 | 4 12 | 0 44 | 18 29 | 1 1  | 21 36 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 53 | 16 45 | 16 15 | 16 20 | 23 4  | 7 51 | 1 31 |
| S 5  | 14 40 | 12 13 | 0n55 | 17 35 | 1 43 | 2 58 | 0 51 | 3 56 | 0 43 | 18 31 | 1 1  | 21 36 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 53 | 16 44 | 16 15 | 16 21 | 23 2  | 7 50 | 1 31 |
| M 6  | 14 22 | 6 56  | 1 59 | 16 59 | 1 45 | 2 27 | 0 48 | 3 40 | 0 42 | 18 34 | 1 1  | 21 36 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 52 | 16 44 | 16 15 | 16 22 | 23 0  | 7 50 | 1 31 |
| T 7  | 14 3  | 1 20  | 2 59 | 16 22 | 1 46 | 1 56 | 0 45 | 3 25 | 0 42 | 18 36 | 1 1  | 21 37 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 51 | 16 43 | 16 15 | 16 23 | 22 58 | 7 49 | 1 31 |
| W 8  | 13 44 | 4n23  | 3 51 | 15 44 | 1 46 | 1 25 | 0 43 | 3 9  | 0 41 | 18 38 | 1 1  | 21 37 | 1 13 | 23 47 | 0 20 | 21 24 | 1 23 | 7 50 | 16 43 | 16 16 | 16 24 | 22 56 | 7 49 | 1 31 |
| T 9  | 13 25 | 10 1  | 4 33 | 15 4  | 1 46 | 0 54 | 0 40 | 2 53 | 0 41 | 18 40 | 1 1  | 21 37 | 1 12 | 23 48 | 0 20 | 21 24 | 1 23 | 7 49 | 16 43 | 16 16 | 16 25 | 22 54 | 7 48 | 1 31 |
| F 10 | 13 6  | 15 20 | 5 2  | 14 23 | 1 45 | 0 22 | 0 37 | 2 37 | 0 40 | 18 42 | 1 1  | 21 37 | 1 12 | 23 48 | 0 20 | 21 24 | 1 23 | 7 48 | 16 42 | 16 16 | 16 26 | 22 52 | 7 48 | 1 31 |
| S 11 | 12 46 | 20 5  | 5 16 | 13 41 | 1 43 | 0s 9 | 0 34 | 2 21 | 0 40 | 18 44 | 1 1  | 21 37 | 1 12 | 23 48 | 0 20 | 21 24 | 1 22 | 7 47 | 16 42 | 16 17 | 16 27 | 22 50 | 7 47 | 1 31 |
| S 12 | 12 26 | 23 56 | 5 13 | 12 59 | 1 41 | 0 40 | 0 31 | 2 5  | 0 39 | 18 46 | 1 1  | 21 37 | 1 12 | 23 48 | 0 20 | 21 24 | 1 22 | 7 46 | 16 41 | 16 17 | 16 28 | 22 48 | 7 47 | 1 31 |
| M13  | 12 6  | 26 31 | 4 53 | 12 15 | 1 39 | 1 11 | 0 28 | 1 49 | 0 38 | 18 48 | 1 1  | 21 38 | 1 12 | 23 48 | 0 20 | 21 24 | 1 22 | 7 45 | 16 41 | 16 17 | 16 28 | 22 46 | 7 46 | 1 31 |
| T 14 | 11 46 | 27 30 | 4 14 | 11 31 | 1 35 | 1 42 | 0 25 | 1 33 | 0 38 | 18 50 | 1 1  | 21 38 | 1 11 | 23 48 | 0 20 | 21 24 | 1 22 | 7 43 | 16 40 | 16 17 | 16 29 | 22 44 | 7 45 | 1 31 |
| W15  | 11 25 | 26 40 | 3 19 | 10 46 | 1 32 | 2 14 | 0 22 | 1 17 | 0 37 | 18 52 | 1 1  | 21 38 | 1 11 | 23 48 | 0 20 | 21 24 | 1 22 | 7 42 | 16 40 | 16 16 | 16 30 | 22 42 | 7 45 | 1 31 |
| T 16 | 11 5  | 23 58 | 2 10 | 10 1  | 1 28 | 2 45 | 0 19 | 1 1  | 0 37 | 18 54 | 1 1  | 21 38 | 1 11 | 23 48 | 0 20 | 21 24 | 1 22 | 7 41 | 16 39 | 16 16 | 16 31 | 22 40 | 7 44 | 1 31 |
| F 17 | 10 44 | 19 38 | 0 51 | 9 16  | 1 23 | 3 16 | 0 15 | 0 45 | 0 36 | 18 55 | 1 1  | 21 38 | 1 11 | 23 48 | 0 20 | 21 24 | 1 22 | 7 40 | 16 39 | 16 16 | 16 32 | 22 38 | 7 43 | 1 31 |
| S 18 | 10 23 | 14 3  | 0s31 | 8 30  | 1 19 | 3 47 | 0 12 | 0 29 | 0 35 | 18 57 | 1 1  | 21 39 | 1 11 | 23 48 | 0 20 | 21 24 | 1 22 | 7 39 | 16 39 | 16 16 | 16 33 | 22 36 | 7 42 | 1 31 |
| S 19 | 10 2  | 7 41  | 1 51 | 7 44  | 1 14 | 4 18 | 0 9  | 0 13 | 0 35 | 18 59 | 1 1  | 21 39 | 1 10 | 23 48 | 0 20 | 21 24 | 1 22 | 7 38 | 16 38 | 16 16 | 16 34 | 22 34 | 7 42 | 1 31 |
| M20  | 9 41  | 0 59  | 3 2  | 6 58  | 1 8  | 4 49 | 0 5  | 0s 3 | 0 34 | 19 1  | 1 1  | 21 39 | 1 10 | 23 48 | 0 20 | 21 24 | 1 22 | 7 37 | 16 38 | 16 16 | 16 35 | 22 32 | 7 41 | 1 31 |
| T 21 | 9 19  | 5s37  | 4 0  | 6 12  | 1 2  | 5 20 | 0 2  | 0 19 | 0 34 | 19 2  | 1 1  | 21 39 | 1 10 | 23 48 | 0 20 | 21 24 | 1 22 | 7 36 | 16 37 | 16 17 | 16 36 | 22 29 | 7 40 | 1 31 |
| W22  | 8 58  | 11 45 | 4 42 | 5 26  | 0 57 | 5 51 | 0s 2 | 0 35 | 0 33 | 19 4  | 1 1  | 21 40 | 1 10 | 23 48 | 0 20 | 21 24 | 1 22 | 7 35 | 16 37 | 16 18 | 16 37 | 22 27 | 7 39 | 1 31 |
| T 23 | 8 36  | 17 8  | 5 7  | 4 41  | 0 50 | 6 22 | 0 5  | 0 51 | 0 32 | 19 6  | 1 1  | 21 40 | 1 10 | 23 48 | 0 20 | 21 24 | 1 22 | 7 34 | 16 37 | 16 19 | 16 38 | 22 25 | 7 38 | 1 31 |
| F 24 | 8 14  | 21 33 | 5 15 | 3 55  | 0 44 | 6 52 | 0 9  | 1 7  | 0 32 | 19 7  | 1 1  | 21 40 | 1 9  | 23 48 | 0 20 | 21 24 | 1 22 | 7 33 | 16 36 | 16 20 | 16 39 | 22 23 | 7 38 | 1 31 |
| S 25 | 7 52  | 24 48 | 5 7  | 3 9   | 0 37 | 7 23 | 0 12 | 1 24 | 0 31 | 19 9  | 1 1  | 21 41 | 1 9  | 23 48 | 0 20 | 21 24 | 1 22 | 7 32 | 16 36 | 16 20 | 16 40 | 22 21 | 7 37 | 1 31 |
| S 26 | 7 30  | 26 47 | 4 44 | 2 23  | 0 31 | 7 53 | 0 16 | 1 40 | 0 31 | 19 10 | 1 1  | 21 41 | 1 9  | 23 48 | 0 20 | 21 25 | 1 22 | 7 31 | 16 36 | 16 20 | 16 41 | 22 19 | 7 36 | 1 31 |
| M27  | 7 8   | 27 28 | 4 10 | 1 38  | 0 24 | 8 23 | 0 19 | 1 56 | 0 30 | 19 11 | 1 1  | 21 41 | 1 9  | 23 48 | 0 19 | 21 25 | 1 22 | 7 30 | 16 35 | 16 20 | 16 41 | 22 17 | 7 35 | 1 31 |
| T 28 | 6 45  | 26 50 | 3 25 | 0 53  | 0 17 | 8 53 | 0 23 | 2 12 | 0 30 | 19 13 | 1 1  | 21 42 | 1 9  | 23 48 | 0 19 | 21 25 | 1 22 | 7 29 | 16 35 | 16 20 | 16 42 | 22 15 | 7 34 | 1 31 |



SWISS EPHEMERIS for the year 1487

SEPTEMBER 1487 JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                   | ♀                  | ♁                   | ♂                  | ♃                  | ♅                   | ♁                | ♄                   | ♁                   | ♁                   | ♁                   | ♁                   | ♁                   |
|------|----------|------------------------|---------------------|--------------------|---------------------|--------------------|--------------------|---------------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| S 1  | 23 14 25 | 16 <sup>11</sup> 44'53 | 22 <sup>28</sup> 5  | 4 <sup>41</sup> 41 | 26 <sup>25</sup> 31 | 9 <sup>18</sup> 18 | 8°R 3              | 16 <sup>17</sup> 44 | 3°R 5            | 15 <sup>17</sup> 59 | 20 <sup>15</sup> 15 | 15°R15              | 13 <sup>28</sup> 41 | 27 <sup>36</sup> 36 | 15°R28              |
| S 2  | 23 18 22 | 17°43'26               | 4 <sup>11</sup> 11  | 6°12               | 27°42               | 9°58               | 7 <sup>58</sup> 58 | 16°46               | 3 <sup>3</sup> 5 | 15°59               | 20°17               | 15 <sup>13</sup> 13 | 13°38               | 27°43               | 15 <sup>17</sup> 26 |
| M 3  | 23 22 18 | 18°42'02               | 16°28               | 7°43               | 28°52               | 10°38              | 7°54               | 16°48               | 3°D 5            | 15°59               | 20°19               | 15°10               | 13°34               | 27°49               | 15°24               |
| T 4  | 23 26 15 | 19°40'39               | 28°57               | 9°12               | 0 <sup>11</sup> 2   | 11°18              | 7°50               | 16°50               | 3° 5             | 16° 0               | 20°21               | 15° 6               | 13°31               | 27°56               | 15°21               |
| W 5  | 23 30 11 | 20°39'19               | 11 <sup>17</sup> 39 | 10°40              | 1°12                | 11°58              | 7°46               | 16°52               | 3° 5             | 16° 0               | 20°23               | 15° 0               | 13°28               | 28° 3               | 15°19               |
| T 6  | 23 34 8  | 21°38'00               | 24°35               | 12° 7              | 2°22                | 12°37              | 7°42               | 16°54               | 3° 5             | 16° 1               | 20°26               | 14°54               | 13°25               | 28° 9               | 15°16               |
| F 7  | 23 38 4  | 22°36'44               | 7 <sup>18</sup> 44  | 13°33              | 3°32                | 13°17              | 7°39               | 16°57               | 3° 5             | 16° 2               | 20°28               | 14°48               | 13°22               | 28°16               | 15°14               |
| S 8  | 23 42 1  | 23°35'30               | 21° 6               | 14°58              | 4°42                | 13°57              | 7°35               | 16°59               | 3° 6             | 16° 2               | 20°30               | 14°43               | 13°18               | 28°23               | 15°11               |
| S 9  | 23 45 57 | 24°34'19               | 4 <sup>11</sup> 41  | 16°22              | 5°52                | 14°37              | 7°32               | 17° 2               | 3° 6             | 16° 3               | 20°32               | 14°39               | 13°15               | 28°29               | 15° 8               |
| M10  | 23 49 54 | 25°33'09               | 18°27               | 17°45              | 7° 2                | 15°18              | 7°29               | 17° 5               | 3° 6             | 16° 4               | 20°34               | 14°37               | 13°12               | 28°36               | 15° 6               |
| T 11 | 23 53 51 | 26°32'02               | 2 <sup>26</sup> 26  | 19° 6              | 8°12                | 15°58              | 7°27               | 17° 7               | 3° 7             | 16° 4               | 20°37               | 14°D37              | 13° 9               | 28°43               | 15° 3               |
| W12  | 23 57 47 | 27°30'58               | 16°36               | 20°27              | 9°21                | 16°38              | 7°24               | 17°10               | 3° 7             | 16° 5               | 20°39               | 14°38               | 13° 6               | 28°49               | 15° 0               |
| T 13 | 0 1 44   | 28°29'56               | 0 <sup>17</sup> 57  | 21°46              | 10°31               | 17°18              | 7°22               | 17°13               | 3° 7             | 16° 6               | 20°41               | 14°40               | 13° 3               | 28°56               | 14°58               |
| F 14 | 0 5 40   | 29°28'56               | 15°24               | 23° 4              | 11°40               | 17°59              | 7°19               | 17°16               | 3° 8             | 16° 7               | 20°44               | 14°R40              | 12°59               | 29° 3               | 14°55               |
| S 15 | 0 9 37   | 0 <sup>17</sup> 58     | 29°56               | 24°20              | 12°50               | 18°39              | 7°17               | 17°19               | 3° 9             | 16° 7               | 20°46               | 14°39               | 12°56               | 29° 9               | 14°52               |
| S 16 | 0 13 33  | 1°27'02                | 14 <sup>17</sup> 27 | 25°35              | 13°59               | 19°19              | 7°15               | 17°22               | 3° 9             | 16° 8               | 20°48               | 14°36               | 12°53               | 29°16               | 14°49               |
| M17  | 0 17 30  | 2°26'09                | 28°50               | 26°48              | 15° 8               | 20° 0              | 7°14               | 17°26               | 3°10             | 16° 9               | 20°50               | 14°31               | 12°50               | 29°22               | 14°47               |
| T 18 | 0 21 26  | 3°25'17                | 13 <sup>11</sup> 1  | 28° 0              | 16°18               | 20°40              | 7°12               | 17°29               | 3°11             | 16°10               | 20°53               | 14°24               | 12°47               | 29°29               | 14°44               |
| W19  | 0 25 23  | 4°24'28                | 26°53               | 29°10              | 17°27               | 21°21              | 7°11               | 17°32               | 3°11             | 16°11               | 20°55               | 14°15               | 12°44               | 29°36               | 14°41               |
| T 20 | 0 29 20  | 5°23'41                | 10 <sup>11</sup> 24 | 0 <sup>11</sup> 18 | 18°36               | 22° 2              | 7°10               | 17°36               | 3°12             | 16°12               | 20°57               | 14° 7               | 12°40               | 29°42               | 14°38               |
| F 21 | 0 33 16  | 6°22'55                | 23°31               | 1°24               | 19°44               | 22°42              | 7° 9               | 17°40               | 3°13             | 16°13               | 21° 0               | 13°59               | 12°37               | 29°49               | 14°36               |
| S 22 | 0 37 13  | 7°22'12                | 6 <sup>17</sup> 15  | 2°28               | 20°53               | 23°23              | 7° 9               | 17°43               | 3°14             | 16°14               | 21° 2               | 13°52               | 12°34               | 29°56               | 14°33               |
| S 23 | 0 41 9   | 8°21'30                | 18°40               | 3°30               | 22° 2               | 24° 4              | 7° 8               | 17°47               | 3°15             | 16°15               | 21° 4               | 13°48               | 12°31               | 0 <sup>11</sup> 2   | 14°30               |
| M24  | 0 45 6   | 9°20'50                | 0 <sup>17</sup> 48  | 4°29               | 23°10               | 24°45              | 7° 8               | 17°51               | 3°16             | 16°16               | 21° 7               | 13°46               | 12°28               | 0° 9                | 14°27               |
| T 25 | 0 49 2   | 10°20'12               | 12°44               | 5°25               | 24°19               | 25°26              | 7°D 8              | 17°55               | 3°17             | 16°18               | 21° 9               | 13°D45              | 12°24               | 0°16                | 14°24               |
| W26  | 0 52 59  | 11°19'36               | 24°33               | 6°18               | 25°27               | 26° 7              | 7° 8               | 17°59               | 3°18             | 16°19               | 21°12               | 13°46               | 12°21               | 0°22                | 14°21               |
| T 27 | 0 56 55  | 12°19'01               | 6 <sup>11</sup> 21  | 7° 8               | 26°35               | 26°48              | 7° 9               | 18° 3               | 3°19             | 16°20               | 21°14               | 13°47               | 12°18               | 0°29                | 14°19               |
| F 28 | 1 0 52   | 13°18'28               | 18°14               | 7°54               | 27°43               | 27°29              | 7° 9               | 18° 7               | 3°20             | 16°21               | 21°16               | 13°R47              | 12°15               | 0°36                | 14°16               |
| S 29 | 1 4 49   | 14°17'57               | 0 <sup>11</sup> 15  | 8°36               | 28°51               | 28°10              | 7°10               | 18°11               | 3°22             | 16°22               | 21°19               | 13°46               | 12°12               | 0°42                | 14°13               |
| S 30 | 1 8 45   | 15°17'28               | 12 <sup>11</sup> 29 | 9 <sup>11</sup> 13 | 29 <sup>11</sup> 59 | 28°51              | 7 <sup>11</sup> 11 | 18°16               | 3°23             | 16°24               | 21°21               | 13°42               | 12° 9               | 0 <sup>11</sup> 49  | 14°10               |

| Day  | ☉    | ☽     | ♀    | ♁     | ♂    | ♃     | ♅    | ♁     | ♄    | ♁     | ♁    | ♁     | ♁    | ♁     | ♁     |       |       |      |       |       |       |       |       |      |      |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|------|
|      | decl | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat   |       |       |      |       |       |       |       |       |      |      |
| S 1  | 5n15 | 13s36 | 0n37 | 2s 4  | 0s13 | 10s51 | 0s38 | 3s17  | 0n27 | 19s18 | 1s 1 | 21s43 | 1n 8 | 23s48 | 0s19  | 21s25 | 1n21  | 7n25 | 16n34 | 16s19 | 16s46 | 22s 6 | 7n30  | 1n31 |      |
| S 2  | 4 52 | 8 25  | 1 42 | 2 47  | 0 20 | 11 20 | 0 42 | 3 33  | 0 27 | 19 19 | 1 1  | 1 21  | 43   | 1 8   | 23 48 | 0 19  | 21 25 | 1 21 | 7 24  | 16 33 | 16 19 | 16 47 | 22 4  | 7 29 | 1 31 |
| M 3  | 4 29 | 2 52  | 2 42 | 3 30  | 0 28 | 11 49 | 0 45 | 3 49  | 0 26 | 19 20 | 1 1  | 1 21  | 44   | 1 8   | 23 48 | 0 19  | 21 25 | 1 21 | 7 23  | 16 33 | 16 20 | 16 48 | 22 2  | 7 28 | 1 31 |
| T 4  | 4 6  | 2n53  | 3 36 | 4 12  | 0 36 | 12 17 | 0 49 | 4 6   | 0 25 | 19 21 | 1 1  | 1 21  | 44   | 1 7   | 23 48 | 0 19  | 21 25 | 1 21 | 7 22  | 16 33 | 16 21 | 16 49 | 22 0  | 7 27 | 1 31 |
| W 5  | 3 43 | 8 36  | 4 20 | 4 54  | 0 43 | 12 45 | 0 53 | 4 22  | 0 25 | 19 22 | 1 1  | 1 21  | 44   | 1 7   | 23 48 | 0 19  | 21 25 | 1 21 | 7 21  | 16 32 | 16 23 | 16 50 | 21 57 | 7 26 | 1 31 |
| T 6  | 3 20 | 14 4  | 4 51 | 5 35  | 0 51 | 13 13 | 0 57 | 4 38  | 0 24 | 19 23 | 1 1  | 1 21  | 45   | 1 7   | 23 48 | 0 19  | 21 26 | 1 21 | 7 20  | 16 32 | 16 25 | 16 51 | 21 55 | 7 25 | 1 31 |
| F 7  | 2 56 | 18 59 | 5 8  | 6 16  | 0 59 | 13 41 | 1 1  | 4 54  | 0 24 | 19 24 | 1 1  | 1 21  | 45   | 1 7   | 23 48 | 0 19  | 21 26 | 1 21 | 7 19  | 16 32 | 16 27 | 16 51 | 21 53 | 7 24 | 1 31 |
| S 8  | 2 33 | 23 2  | 5 8  | 6 56  | 1 6  | 14 8  | 1 5  | 5 10  | 0 23 | 19 24 | 1 1  | 1 21  | 46   | 1 7   | 23 48 | 0 19  | 21 26 | 1 21 | 7 18  | 16 32 | 16 28 | 16 52 | 21 51 | 7 23 | 1 31 |
| S 9  | 2 10 | 25 55 | 4 52 | 7 36  | 1 14 | 14 35 | 1 8  | 5 26  | 0 22 | 19 25 | 1 1  | 1 21  | 46   | 1 7   | 23 48 | 0 19  | 21 26 | 1 21 | 7 16  | 16 31 | 16 29 | 16 53 | 21 49 | 7 22 | 1 31 |
| M10  | 1 46 | 27 17 | 4 18 | 8 14  | 1 22 | 15 2  | 1 12 | 5 42  | 0 22 | 19 26 | 1 1  | 1 21  | 47   | 1 6   | 23 48 | 0 19  | 21 26 | 1 21 | 7 15  | 16 31 | 16 30 | 16 54 | 21 46 | 7 21 | 1 30 |
| T 11 | 1 23 | 26 58 | 3 29 | 8 53  | 1 29 | 15 29 | 1 16 | 5 58  | 0 21 | 19 27 | 1 1  | 1 21  | 47   | 1 6   | 23 48 | 0 19  | 21 26 | 1 21 | 7 14  | 16 31 | 16 30 | 16 55 | 21 44 | 7 20 | 1 30 |
| W12  | 0 59 | 24 53 | 2 26 | 9 30  | 1 37 | 15 55 | 1 20 | 6 14  | 0 21 | 19 27 | 1 1  | 1 21  | 47   | 1 6   | 23 48 | 0 19  | 21 26 | 1 21 | 7 13  | 16 31 | 16 29 | 16 56 | 21 42 | 7 19 | 1 30 |
| T 13 | 0 36 | 21 12 | 1 14 | 10 7  | 1 44 | 16 21 | 1 24 | 6 30  | 0 20 | 19 28 | 1 1  | 1 21  | 48   | 1 6   | 23 48 | 0 19  | 21 26 | 1 21 | 7 12  | 16 30 | 16 29 | 16 57 | 21 40 | 7 18 | 1 30 |
| F 14 | 0 12 | 16 12 | 0s 4 | 10 42 | 1 51 | 16 46 | 1 28 | 6 46  | 0 19 | 19 28 | 1 1  | 1 21  | 48   | 1 6   | 23 48 | 0 19  | 21 27 | 1 21 | 7 11  | 16 30 | 16 29 | 16 58 | 21 38 | 7 17 | 1 30 |
| S 15 | 0s11 | 10 15 | 1 22 | 11 18 | 1 58 | 17 11 | 1 31 | 7 2   | 0 19 | 19 29 | 1 1  | 1 21  | 49   | 1 6   | 23 48 | 0 19  | 21 27 | 1 21 | 7 10  | 16 30 | 16 29 | 16 59 | 21 35 | 7 16 | 1 30 |
| S 16 | 0 35 | 3 47  | 2 34 | 11 52 | 2 5  | 17 36 | 1 35 | 7 18  | 0 18 | 19 29 | 1 0  | 21    | 49   | 1 5   | 23 48 | 0 19  | 21 27 | 1 21 | 7 9   | 16 30 | 16 30 | 17 0  | 21 33 | 7 15 | 1 30 |
| M17  | 0 58 | 2s50  | 3 35 | 12 25 | 2 12 | 18 0  | 1 39 | 7 34  | 0 18 | 19 29 | 1 0  | 21    | 50   | 1 5   | 23 48 | 0 19  | 21 27 | 1 21 | 7 8   | 16 30 | 16 32 | 17 1  | 21 31 | 7 13 | 1 30 |
| T 18 | 1 22 | 9 11  | 4 23 | 12 57 | 2 19 | 18 24 | 1 43 | 7 50  | 0 17 | 19 30 | 1 0  | 21    | 50   | 1 5   | 23 47 | 0 19  | 21 27 | 1 21 | 7 7   | 16 29 | 16 34 | 17 1  | 21 29 | 7 12 | 1 30 |
| W19  | 1 45 | 14 56 | 4 53 | 13 28 | 2 25 | 18 47 | 1 46 | 8 6   | 0 16 | 19 30 | 1 0  | 21    | 51   | 1 5   | 23 47 | 0 19  | 21 27 | 1 20 | 7 6   | 16 29 | 16 36 | 17 2  | 21 26 | 7 11 | 1 30 |
| T 20 | 2 9  | 19 49 | 5 6  | 13 58 | 2 31 | 19 10 | 1 50 | 8 22  | 0 16 | 19 30 | 1 0  | 21    | 51   | 1 5   | 23 47 | 0 19  | 21 27 | 1 20 | 7 5   | 16 29 | 16 39 | 17 3  | 21 24 | 7 10 | 1 30 |
| F 21 | 2 32 | 23 35 | 5 3  | 14 27 | 2 37 | 19 33 | 1 54 | 8 37  | 0 15 | 19 30 | 1 0  | 21    | 52   | 1 5   | 23 47 | 0 19  | 21 28 | 1 20 | 7 4   | 16 29 | 16 41 | 17 4  | 21 22 | 7 9  | 1 30 |
| S 22 | 2 56 | 26 4  | 4 44 | 14 55 | 2 43 | 19 55 | 1 57 | 8 53  | 0 15 | 19 30 | 1 0  | 21    | 52   | 1 4   | 23 47 | 0 19  | 21 28 | 1 20 | 7 3   | 16 29 | 16 43 | 17 5  | 21 20 | 7 8  | 1 30 |
| S 23 | 3 19 | 27 13 | 4 12 | 15 21 | 2 48 | 20 17 | 2 1  | 9 9   | 0 14 | 19 30 | 1 0  | 21    | 53   | 1 4   | 23 47 | 0 19  | 21 28 | 1 20 | 7 2   | 16 29 | 16 44 | 17 6  | 21 17 | 7 7  | 1 30 |
| M24  | 3 43 | 27 0  | 3 30 | 15 46 | 2 53 | 20 38 | 2 5  | 9 24  | 0 13 | 19 30 | 1 0  | 21    | 53   | 1 4   | 23 47 | 0 19  | 21 28 | 1 20 | 7 1   | 16 29 | 16 45 | 17 7  | 21 15 | 7 5  | 1 30 |
| T 25 | 4 6  | 25 32 | 2 39 | 16 10 | 2 58 | 20 58 | 2 8  | 9 40  | 0 13 | 19 30 | 1 0  | 21    | 54   | 1 4   | 23 47 | 0 19  | 21 28 | 1 20 | 7 0   | 16 28 | 16 45 | 17 8  | 21 13 | 7 4  | 1 30 |
| W26  | 4 30 | 22 56 | 1 41 | 16 31 | 3 2  | 21 19 | 2 12 | 9 55  | 0 12 | 19 30 | 1 0  | 21    | 54   | 1 4   | 23 47 | 0 19  | 21 28 | 1 20 | 7 0   | 16 28 | 16 44 | 17 9  | 21 10 | 7 3  | 1 30 |
| T 27 | 4 53 | 19 23 | 0 40 | 16 51 | 3 6  | 21 38 | 2 15 | 10 11 | 0 12 | 19 30 | 1 0  | 21    | 55   | 1 4   | 23 47 | 0 19  | 21 29 | 1 20 | 6 59  | 16 28 | 16 44 | 17 9  | 21 8  | 7 2  | 1 29 |
| F 28 | 5 16 | 15 2  | 0n24 | 17 9  | 3 9  | 21 57 | 2 19 | 10 26 | 0 11 | 19 30 | 1 0  | 21    | 55   |       |       |       |       |      |       |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

OCTOBER 1487 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀      | ♁     | ♂      | ♃    | ♅     | ♁    | ♄     | ♁     | ♁      | ♁     | ♁    | ♁      |
|------|---------|----------|--------|--------|-------|--------|------|-------|------|-------|-------|--------|-------|------|--------|
| M 1  | 1 12 42 | 16♁17'01 | 24♃58  | 9♁46   | 1♁ 7  | 29♁32  | 7♁12 | 18♁20 | 3♁24 | 16♁25 | 21♁24 | 13°R35 | 12♁ 5 | 0♁56 | 14°R 7 |
| T 2  | 1 16 38 | 17°16'36 | 7♁44   | 10°13  | 2°14  | 0♁14   | 7°14 | 18°24 | 3°26 | 16°26 | 21°26 | 13♁27  | 12° 2 | 1° 2 | 14°Y 4 |
| W 3  | 1 20 35 | 18°16'12 | 20°48  | 10°34  | 3°22  | 0°55   | 7°15 | 18°29 | 3°27 | 16°28 | 21°28 | 13°16  | 11°59 | 1° 9 | 14° 1  |
| T 4  | 1 24 31 | 19°15'51 | 4♁ 8   | 10°49  | 4°29  | 1°36   | 7°17 | 18°34 | 3°29 | 16°29 | 21°31 | 13° 5  | 11°56 | 1°15 | 13°59  |
| F 5  | 1 28 28 | 20°15'32 | 17°42  | 10°57  | 5°36  | 2°18   | 7°19 | 18°38 | 3°30 | 16°31 | 21°33 | 12°54  | 11°53 | 1°22 | 13°56  |
| S 6  | 1 32 24 | 21°15'15 | 1♁26   | 10°R57 | 6°43  | 2°59   | 7°21 | 18°43 | 3°32 | 16°32 | 21°36 | 12°44  | 11°49 | 1°29 | 13°53  |
| S 7  | 1 36 21 | 22°15'01 | 15°19  | 10°49  | 7°50  | 3°41   | 7°23 | 18°48 | 3°34 | 16°34 | 21°38 | 12°37  | 11°46 | 1°35 | 13°50  |
| M 8  | 1 40 18 | 23°14'48 | 29°18  | 10°33  | 8°56  | 4°22   | 7°26 | 18°53 | 3°35 | 16°35 | 21°41 | 12°32  | 11°43 | 1°42 | 13°47  |
| T 9  | 1 44 14 | 24°14'38 | 13♁20  | 10° 8  | 10° 3 | 5° 4   | 7°29 | 18°58 | 3°37 | 16°37 | 21°43 | 12°30  | 11°40 | 1°49 | 13°44  |
| W10  | 1 48 11 | 25°14'30 | 27°25  | 9°33   | 11° 9 | 5°46   | 7°32 | 19° 3 | 3°39 | 16°38 | 21°45 | 12°D29 | 11°37 | 1°55 | 13°42  |
| T 11 | 1 52 7  | 26°14'25 | 11♁32  | 8°50   | 12°15 | 6°27   | 7°35 | 19° 8 | 3°41 | 16°40 | 21°48 | 12°R29 | 11°34 | 2° 2 | 13°39  |
| F 12 | 1 56 4  | 27°14'21 | 25°39  | 7°57   | 13°21 | 7° 9   | 7°38 | 19°13 | 3°43 | 16°41 | 21°50 | 12°29  | 11°30 | 2° 9 | 13°36  |
| S 13 | 2 0 0   | 28°14'20 | 9♁46   | 6°57   | 14°27 | 7°51   | 7°42 | 19°18 | 3°45 | 16°43 | 21°53 | 12°26  | 11°27 | 2°15 | 13°33  |
| S 14 | 2 3 57  | 29°14'21 | 23°49  | 5°50   | 15°32 | 8°33   | 7°45 | 19°23 | 3°47 | 16°45 | 21°55 | 12°21  | 11°24 | 2°22 | 13°31  |
| M15  | 2 7 53  | 0♁14'24  | 7♁47   | 4°37   | 16°38 | 9°15   | 7°49 | 19°29 | 3°49 | 16°46 | 21°57 | 12°13  | 11°21 | 2°29 | 13°28  |
| T 16 | 2 11 50 | 1°14'29  | 21°36  | 3°20   | 17°43 | 9°57   | 7°53 | 19°34 | 3°51 | 16°48 | 22° 0 | 12° 2  | 11°18 | 2°35 | 13°25  |
| W17  | 2 15 47 | 2°14'36  | 5♁11   | 2° 2   | 18°48 | 10°39  | 7°58 | 19°40 | 3°53 | 16°50 | 22° 2 | 11°50  | 11°15 | 2°42 | 13°23  |
| T 18 | 2 19 43 | 3°14'45  | 8°29   | 0°45   | 19°52 | 11°21  | 8° 2 | 19°45 | 3°55 | 16°52 | 22° 5 | 11°36  | 11°11 | 2°49 | 13°20  |
| F 19 | 2 23 40 | 4°14'56  | 1♁28   | 29♁32  | 20°57 | 12° 4  | 8° 7 | 19°51 | 3°57 | 16°53 | 22° 7 | 11°24  | 11° 8 | 2°55 | 13°17  |
| S 20 | 2 27 36 | 5°15'08  | 14° 8  | 28°24  | 22° 1 | 12°46  | 8°11 | 19°56 | 3°59 | 16°55 | 22° 9 | 11°13  | 11° 5 | 3° 2 | 13°15  |
| S 21 | 2 31 33 | 6°15'22  | 26°31  | 27°24  | 23° 5 | 13°28  | 8°16 | 20° 2 | 4° 1 | 16°57 | 22°12 | 11° 5  | 11° 2 | 3° 8 | 13°12  |
| M22  | 2 35 29 | 7°15'38  | 8♁37   | 26°33  | 24° 9 | 14°10  | 8°22 | 20° 8 | 4° 4 | 16°59 | 22°14 | 11° 0  | 10°59 | 3°15 | 13°10  |
| T 23 | 2 39 26 | 8°15'55  | 20°33  | 25°53  | 25°12 | 14°53  | 8°27 | 20°14 | 4° 6 | 17° 1 | 22°16 | 10°58  | 10°55 | 3°22 | 13° 7  |
| W24  | 2 43 22 | 9°16'14  | 2♁22   | 25°25  | 26°15 | 15°35  | 8°32 | 20°19 | 4° 9 | 17° 2 | 22°19 | 10°57  | 10°52 | 3°28 | 13° 4  |
| T 25 | 2 47 19 | 10°16'34 | 14° 9  | 25° 8  | 27°18 | 16°18  | 8°38 | 20°25 | 4°11 | 17° 4 | 22°21 | 10°57  | 10°49 | 3°35 | 13° 2  |
| F 26 | 2 51 16 | 11°16'55 | 26° 2  | 25°D 3 | 28°21 | 17° 0  | 8°44 | 20°31 | 4°13 | 17° 6 | 22°23 | 10°56  | 10°46 | 3°42 | 13° 0  |
| S 27 | 2 55 12 | 12°17'18 | 8♁ 4   | 25° 9  | 29°23 | 17°43  | 8°50 | 20°37 | 4°16 | 17° 8 | 22°26 | 10°54  | 10°43 | 3°48 | 12°57  |
| S 28 | 2 59 9  | 13°17'43 | 20°21  | 25°25  | 0♁25  | 18°26  | 8°56 | 20°43 | 4°18 | 17°10 | 22°28 | 10°50  | 10°40 | 3°55 | 12°55  |
| M29  | 3 3 5   | 14°18'08 | 2♁57   | 25°52  | 1°27  | 19° 8  | 9° 3 | 20°49 | 4°21 | 17°12 | 22°30 | 10°43  | 10°36 | 4° 2 | 12°52  |
| T 30 | 3 7 2   | 15°18'36 | 15°55  | 26°27  | 2°28  | 19°51  | 9° 9 | 20°56 | 4°24 | 17°14 | 22°33 | 10°34  | 10°33 | 4° 8 | 12°50  |
| W31  | 3 10 58 | 16°19'04 | 29°Y15 | 27♁10  | 3♁29  | 20°M34 | 9♁16 | 21♁ 2 | 4♁26 | 17♁16 | 22♁35 | 10♁22  | 10♁30 | 4♁15 | 12°Y48 |

| Day  | ☉     | ☽     | ♀      | ♁     | ♂    | ♃     | ♅    | ♁     | ♄    | ♁     | ♁    | ♁     | ♁    | ♁     | ♁    |       |      |      |       |       |       |       |      |      |
|------|-------|-------|--------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat    | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| M 1  | 6s25  | 1n 4  | 3n21   | 17s51 | 3s14 | 22s52 | 2s28 | 11s12 | 0n 9 | 19s29 | 0s59 | 21s57 | 1n 3 | 23s47 | 0s19 | 21s29 | 1n20 | 6n55 | 16n28 | 16s48 | 17s13 | 20s59 | 6n57 | 1n29 |
| T 2  | 6 48  | 6 51  | 4 7    | 18 0  | 3 14 | 23 9  | 2 32 | 11 27 | 0 9  | 19 28 | 0 59 | 21 57 | 1 3  | 23 47 | 0 19 | 21 29 | 1 20 | 6 54 | 16 28 | 16 50 | 17 14 | 20 57 | 6 56 | 1 29 |
| W 3  | 7 11  | 12 28 | 4 40   | 18 6  | 3 14 | 23 25 | 2 35 | 11 42 | 0 8  | 19 28 | 0 59 | 21 58 | 1 3  | 23 47 | 0 19 | 21 30 | 1 20 | 6 53 | 16 28 | 16 53 | 17 15 | 20 54 | 6 55 | 1 29 |
| T 4  | 7 34  | 17 37 | 4 59   | 18 9  | 3 12 | 23 41 | 2 38 | 11 57 | 0 7  | 19 27 | 0 59 | 21 59 | 1 2  | 23 47 | 0 19 | 21 30 | 1 20 | 6 52 | 16 28 | 16 56 | 17 16 | 20 52 | 6 54 | 1 29 |
| F 5  | 7 56  | 21 58 | 5 1 18 | 8 3   | 3 9  | 23 56 | 2 41 | 12 12 | 0 7  | 19 27 | 0 59 | 21 59 | 1 2  | 23 47 | 0 19 | 21 30 | 1 20 | 6 51 | 16 28 | 16 59 | 17 17 | 20 50 | 6 52 | 1 29 |
| S 6  | 8 19  | 25 11 | 4 47   | 18 4  | 3 4  | 24 11 | 2 44 | 12 27 | 0 6  | 19 26 | 0 59 | 22 0  | 1 2  | 23 47 | 0 19 | 21 30 | 1 20 | 6 50 | 16 28 | 17 2  | 17 17 | 20 47 | 6 51 | 1 29 |
| S 7  | 8 41  | 26 55 | 4 15   | 17 56 | 2 59 | 24 25 | 2 47 | 12 42 | 0 6  | 19 25 | 0 59 | 22 0  | 1 2  | 23 47 | 0 19 | 21 30 | 1 20 | 6 49 | 16 28 | 17 4  | 17 18 | 20 45 | 6 50 | 1 29 |
| M 8  | 9 3   | 26 58 | 3 28   | 17 44 | 2 51 | 24 39 | 2 49 | 12 56 | 0 5  | 19 25 | 0 59 | 22 1  | 1 2  | 23 47 | 0 19 | 21 31 | 1 20 | 6 49 | 16 28 | 17 6  | 17 19 | 20 43 | 6 49 | 1 28 |
| T 9  | 9 26  | 25 18 | 2 18   | 17 28 | 2 43 | 24 51 | 2 52 | 13 11 | 0 4  | 19 24 | 0 58 | 22 1  | 1 2  | 23 47 | 0 19 | 21 31 | 1 20 | 6 48 | 16 28 | 17 6  | 17 20 | 20 40 | 6 48 | 1 28 |
| W10  | 9 48  | 22 2  | 1 19   | 17 7  | 2 32 | 25 4  | 2 55 | 13 25 | 0 4  | 19 23 | 0 58 | 22 2  | 1 2  | 23 47 | 0 19 | 21 31 | 1 19 | 6 47 | 16 28 | 17 6  | 17 21 | 20 38 | 6 46 | 1 28 |
| T 11 | 10 9  | 17 27 | 0 5    | 16 41 | 2 20 | 25 15 | 2 57 | 13 40 | 0 3  | 19 22 | 0 58 | 22 2  | 1 1  | 23 47 | 0 19 | 21 31 | 1 19 | 6 46 | 16 28 | 17 6  | 17 22 | 20 36 | 6 45 | 1 28 |
| F 12 | 10 31 | 11 55 | 1s 9   | 16 11 | 2 6  | 25 26 | 3 0  | 13 54 | 0 2  | 19 21 | 0 58 | 22 3  | 1 1  | 23 46 | 0 19 | 21 31 | 1 19 | 6 45 | 16 28 | 17 6  | 17 23 | 20 33 | 6 44 | 1 28 |
| S 13 | 10 53 | 5 47  | 2 19   | 15 36 | 1 50 | 25 37 | 3 2  | 14 8  | 0 2  | 19 20 | 0 58 | 22 4  | 1 1  | 23 46 | 0 19 | 21 32 | 1 19 | 6 44 | 16 28 | 17 7  | 17 24 | 20 31 | 6 43 | 1 28 |
| S 14 | 11 14 | 0s36  | 3 20   | 14 57 | 1 32 | 25 46 | 3 4  | 14 22 | 0 1  | 19 19 | 0 58 | 22 4  | 1 1  | 23 46 | 0 19 | 21 32 | 1 19 | 6 44 | 16 28 | 17 9  | 17 25 | 20 29 | 6 42 | 1 28 |
| M15  | 11 35 | 6 54  | 4 9    | 14 15 | 1 14 | 25 55 | 3 6  | 14 36 | 0 1  | 19 18 | 0 58 | 22 5  | 1 1  | 23 46 | 0 19 | 21 32 | 1 19 | 6 43 | 16 28 | 17 11 | 17 25 | 20 26 | 6 41 | 1 28 |
| T 16 | 11 56 | 12 48 | 4 42   | 13 30 | 0 54 | 26 4  | 3 8  | 14 50 | 0 0  | 19 17 | 0 58 | 22 5  | 1 1  | 23 46 | 0 19 | 21 32 | 1 19 | 6 42 | 16 28 | 17 14 | 17 26 | 20 24 | 6 39 | 1 28 |
| W17  | 12 17 | 17 58 | 4 58   | 12 44 | 0 33 | 26 12 | 3 10 | 15 4  | 0s 1 | 19 16 | 0 58 | 22 6  | 1 1  | 23 46 | 0 19 | 21 32 | 1 19 | 6 41 | 16 28 | 17 17 | 17 27 | 20 22 | 6 38 | 1 28 |
| T 18 | 12 38 | 22 9  | 4 58   | 11 58 | 0 12 | 26 19 | 3 12 | 15 18 | 0 1  | 19 14 | 0 58 | 22 6  | 1 0  | 23 46 | 0 19 | 21 33 | 1 19 | 6 40 | 16 28 | 17 21 | 17 28 | 20 19 | 6 37 | 1 27 |
| F 19 | 12 58 | 25 7  | 4 43   | 11 13 | 0n 8 | 26 25 | 3 14 | 15 32 | 0 2  | 19 13 | 0 58 | 22 7  | 1 0  | 23 46 | 0 19 | 21 33 | 1 19 | 6 40 | 16 28 | 17 25 | 17 29 | 20 17 | 6 36 | 1 27 |
| S 20 | 13 19 | 26 45 | 4 13   | 10 30 | 0 28 | 26 31 | 3 16 | 15 45 | 0 2  | 19 12 | 0 57 | 22 7  | 1 0  | 23 46 | 0 19 | 21 33 | 1 19 | 6 39 | 16 28 | 17 27 | 17 30 | 20 14 | 6 35 | 1 27 |
| S 21 | 13 39 | 27 0  | 3 32   | 9 51  | 0 47 | 26 36 | 3 17 | 15 58 | 0 3  | 19 10 | 0 57 | 22 8  | 1 0  | 23 46 | 0 19 | 21 33 | 1 19 | 6 38 | 16 29 | 17 30 | 17 31 | 20 12 | 6 34 | 1 27 |
| M22  | 13 58 | 25 55 | 2 42   | 9 17  | 1 4  | 26 41 | 3 18 | 16 12 | 0 4  | 19 9  | 0 57 | 22 9  | 1 0  | 23 46 | 0 19 | 21 33 | 1 19 | 6 38 | 16 29 | 17 31 | 17 32 | 20 10 | 6 33 | 1 27 |
| T 23 | 14 18 | 23 41 | 1 46   | 8 47  | 1 20 | 26 45 | 3 20 | 16 25 | 0 4  | 19 7  | 0 57 | 22 9  | 1 0  | 23 46 | 0 19 | 21 34 | 1 19 | 6 37 | 16 29 | 17 32 | 17 32 | 20 7  | 6 32 | 1 27 |
| W24  | 14 37 | 20 26 | 0 45   | 8 24  | 1 34 | 26 48 | 3 21 | 16 38 | 0 5  | 19 6  | 0 57 | 22 10 | 1 0  | 23 46 | 0 19 | 21 34 | 1 19 | 6 36 | 16 29 | 17 32 | 17 33 | 20 5  | 6 30 | 1 27 |
| T 25 | 14 57 | 16 21 | 0n17   | 8 7   | 1 46 | 26 51 | 3 22 | 16 51 | 0 5  | 19 4  | 0 57 | 22 10 | 1 0  | 23 46 | 0 19 | 21 34 | 1 19 | 6 35 | 16 29 | 17 32 | 17 34 | 20 2  | 6 29 | 1 27 |
| F 26 | 15 15 | 11 38 | 1 19   | 7 55  | 1 56 | 26 52 | 3 23 | 17 4  | 0 6  | 19 3  | 0 57 | 22 11 | 0 59 | 23 45 | 0 19 | 21 34 | 1 19 | 6 35 | 16 29 | 17 32 | 17 35 | 20 0  | 6 28 | 1 27 |
| S 27 | 15 34 | 6 26  | 2 18   | 7 50  | 2 4  | 26 54 | 3 23 | 17 16 | 0 7  | 19 1  | 0 57 | 22 11 | 0 59 | 23 45 | 0 19 | 21 35 | 1 19 | 6 34 | 16 29 | 17 33 | 17 36 | 19 58 | 6 27 | 1 26 |
| S 28 | 15 52 | 0 53  | 3 12   | 7 50  | 2 11 | 26 54 | 3 24 | 17 29 | 0 7  | 18 59 | 0 57 | 22 12 | 0 59 | 23 45 | 0 19 | 21 35 | 1 19 | 6 33 | 16 30 | 17 34 | 17 37 | 19 55 | 6 26 | 1 26 |
| M29  | 16 11 | 4n49  | 3 58   | 7 55  | 2 16 | 26 5  |      |       |      |       |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

NOVEMBER 1487 JC

00:00 UT

| Day  | Sid.t   | ☉                                  | ☽                    | ♀                  | ♁                  | ♂                                 | ♃                  | ♅                  | ♁                 | ♄                  | ♁                  | ♁                   | ♁                  | ♁                 | ♁                   |
|------|---------|------------------------------------|----------------------|--------------------|--------------------|-----------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------|---------------------|--------------------|-------------------|---------------------|
| T 1  | 3 14 55 | 17 <sup>m</sup> 19 <sup>s</sup> 35 | 12 <sup>h</sup> 57   | 28 <sup>h</sup> 0  | 4 <sup>h</sup> 29  | 21 <sup>m</sup> 17                | 9 <sup>s</sup> 23  | 21 <sup>h</sup> 8  | 4 <sup>h</sup> 29 | 17 <sup>m</sup> 18 | 22 <sup>s</sup> 37 | 10 <sup>h</sup> R 9 | 10 <sup>h</sup> 27 | 4 <sup>h</sup> 22 | 12 <sup>h</sup> R46 |
| F 2  | 3 18 51 | 18 <sup>m</sup> 20 <sup>s</sup> 07 | 26 <sup>h</sup> 56   | 28 <sup>h</sup> 56 | 5 <sup>h</sup> 29  | 22 <sup>m</sup> 0                 | 9 <sup>s</sup> 30  | 21 <sup>h</sup> 14 | 4 <sup>h</sup> 32 | 17 <sup>m</sup> 20 | 22 <sup>s</sup> 39 | 9 <sup>h</sup> 57   | 10 <sup>h</sup> 24 | 4 <sup>h</sup> 28 | 12 <sup>h</sup> Y43 |
| S 3  | 3 22 48 | 19 <sup>m</sup> 20 <sup>s</sup> 40 | 11 <sup>h</sup> II 9 | 29 <sup>h</sup> 58 | 6 <sup>h</sup> 29  | 22 <sup>m</sup> 43                | 9 <sup>s</sup> 37  | 21 <sup>h</sup> 21 | 4 <sup>h</sup> 34 | 17 <sup>m</sup> 22 | 22 <sup>s</sup> 42 | 9 <sup>h</sup> 46   | 10 <sup>h</sup> 21 | 4 <sup>h</sup> 35 | 12 <sup>h</sup> 41  |
| S 4  | 3 26 45 | 20 <sup>m</sup> 21 <sup>s</sup> 15 | 25 <sup>h</sup> 28   | 1 <sup>m</sup> 5   | 7 <sup>h</sup> 28  | 23 <sup>m</sup> 26                | 9 <sup>s</sup> 44  | 21 <sup>h</sup> 27 | 4 <sup>h</sup> 37 | 17 <sup>m</sup> 24 | 22 <sup>s</sup> 44 | 9 <sup>h</sup> 37   | 10 <sup>h</sup> 17 | 4 <sup>h</sup> 42 | 12 <sup>h</sup> 39  |
| M 5  | 3 30 41 | 21 <sup>m</sup> 21 <sup>s</sup> 52 | 9 <sup>h</sup> 50    | 2 <sup>h</sup> 16  | 8 <sup>h</sup> 27  | 24 <sup>m</sup> 9                 | 9 <sup>s</sup> 52  | 21 <sup>h</sup> 33 | 4 <sup>h</sup> 40 | 17 <sup>m</sup> 26 | 22 <sup>s</sup> 46 | 9 <sup>h</sup> 32   | 10 <sup>h</sup> 14 | 4 <sup>h</sup> 48 | 12 <sup>h</sup> 37  |
| T 6  | 3 34 38 | 22 <sup>m</sup> 22 <sup>s</sup> 31 | 24 <sup>h</sup> 9    | 3 <sup>h</sup> 30  | 9 <sup>h</sup> 26  | 24 <sup>m</sup> 52                | 9 <sup>s</sup> 59  | 21 <sup>h</sup> 40 | 4 <sup>h</sup> 43 | 17 <sup>m</sup> 28 | 22 <sup>s</sup> 48 | 9 <sup>h</sup> 29   | 10 <sup>h</sup> 11 | 4 <sup>h</sup> 55 | 12 <sup>h</sup> 35  |
| W 7  | 3 38 34 | 23 <sup>m</sup> 23 <sup>s</sup> 11 | 8 <sup>h</sup> 23    | 4 <sup>h</sup> 47  | 10 <sup>h</sup> 24 | 25 <sup>m</sup> 35                | 10 <sup>s</sup> 7  | 21 <sup>h</sup> 46 | 4 <sup>h</sup> 46 | 17 <sup>m</sup> 30 | 22 <sup>s</sup> 50 | 9 <sup>h</sup> D28  | 10 <sup>h</sup> 8  | 5 <sup>h</sup> 1  | 12 <sup>h</sup> 33  |
| T 8  | 3 42 31 | 24 <sup>m</sup> 23 <sup>s</sup> 53 | 22 <sup>h</sup> 29   | 6 <sup>h</sup> 7   | 11 <sup>h</sup> 21 | 26 <sup>m</sup> 19                | 10 <sup>s</sup> 15 | 21 <sup>h</sup> 53 | 4 <sup>h</sup> 49 | 17 <sup>m</sup> 33 | 22 <sup>s</sup> 53 | 9 <sup>h</sup> R28  | 10 <sup>h</sup> 5  | 5 <sup>h</sup> 8  | 12 <sup>h</sup> 31  |
| F 9  | 3 46 27 | 25 <sup>m</sup> 24 <sup>s</sup> 36 | 6 <sup>h</sup> 28    | 7 <sup>h</sup> 29  | 12 <sup>h</sup> 18 | 27 <sup>m</sup> 2                 | 10 <sup>s</sup> 23 | 21 <sup>h</sup> 59 | 4 <sup>h</sup> 52 | 17 <sup>m</sup> 35 | 22 <sup>s</sup> 55 | 9 <sup>h</sup> 28   | 10 <sup>h</sup> 1  | 5 <sup>h</sup> 15 | 12 <sup>h</sup> 29  |
| S 10 | 3 50 24 | 26 <sup>m</sup> 25 <sup>s</sup> 21 | 20 <sup>h</sup> 18   | 8 <sup>h</sup> 53  | 13 <sup>h</sup> 15 | 27 <sup>m</sup> 45                | 10 <sup>s</sup> 31 | 22 <sup>h</sup> 6  | 4 <sup>h</sup> 55 | 17 <sup>m</sup> 37 | 22 <sup>s</sup> 57 | 9 <sup>h</sup> 26   | 9 <sup>h</sup> 58  | 5 <sup>h</sup> 21 | 12 <sup>h</sup> 27  |
| S 11 | 3 54 20 | 27 <sup>m</sup> 26 <sup>s</sup> 08 | 4 <sup>h</sup> 0     | 10 <sup>h</sup> 18 | 14 <sup>h</sup> 10 | 28 <sup>m</sup> 29                | 10 <sup>s</sup> 40 | 22 <sup>h</sup> 12 | 4 <sup>h</sup> 58 | 17 <sup>m</sup> 39 | 22 <sup>s</sup> 59 | 9 <sup>h</sup> 21   | 9 <sup>h</sup> 55  | 5 <sup>h</sup> 28 | 12 <sup>h</sup> 25  |
| M12  | 3 58 17 | 28 <sup>m</sup> 26 <sup>s</sup> 56 | 17 <sup>h</sup> 32   | 11 <sup>h</sup> 45 | 15 <sup>h</sup> 6  | 29 <sup>m</sup> 12                | 10 <sup>s</sup> 48 | 22 <sup>h</sup> 19 | 5 <sup>h</sup> 1  | 17 <sup>m</sup> 41 | 23 <sup>s</sup> 1  | 9 <sup>h</sup> 13   | 9 <sup>h</sup> 52  | 5 <sup>h</sup> 35 | 12 <sup>h</sup> 24  |
| T 13 | 4 2 14  | 29 <sup>m</sup> 27 <sup>s</sup> 46 | 0 <sup>m</sup> 55    | 13 <sup>h</sup> 12 | 16 <sup>h</sup> 1  | 29 <sup>m</sup> 56                | 10 <sup>s</sup> 57 | 22 <sup>h</sup> 26 | 5 <sup>h</sup> 4  | 17 <sup>m</sup> 43 | 23 <sup>s</sup> 3  | 9 <sup>h</sup> 3    | 9 <sup>h</sup> 49  | 5 <sup>h</sup> 41 | 12 <sup>h</sup> 22  |
| W14  | 4 6 10  | 0 <sup>h</sup> 28 <sup>m</sup> 37  | 14 <sup>h</sup> 6    | 14 <sup>h</sup> 41 | 16 <sup>h</sup> 55 | 0 <sup>h</sup> 28 <sup>m</sup> 39 | 11 <sup>s</sup> 6  | 22 <sup>h</sup> 32 | 5 <sup>h</sup> 7  | 17 <sup>m</sup> 46 | 23 <sup>s</sup> 5  | 8 <sup>h</sup> 51   | 9 <sup>h</sup> 46  | 5 <sup>h</sup> 48 | 12 <sup>h</sup> 20  |
| T 15 | 4 10 7  | 1 <sup>h</sup> 29 <sup>m</sup> 29  | 27 <sup>h</sup> 4    | 16 <sup>h</sup> 10 | 17 <sup>h</sup> 48 | 1 <sup>h</sup> 23                 | 11 <sup>s</sup> 15 | 22 <sup>h</sup> 39 | 5 <sup>h</sup> 10 | 17 <sup>m</sup> 48 | 23 <sup>s</sup> 7  | 8 <sup>h</sup> 39   | 9 <sup>h</sup> 42  | 5 <sup>h</sup> 55 | 12 <sup>h</sup> 19  |
| F 16 | 4 14 3  | 2 <sup>h</sup> 30 <sup>m</sup> 23  | 9 <sup>h</sup> 47    | 17 <sup>h</sup> 40 | 18 <sup>h</sup> 41 | 2 <sup>h</sup> 7                  | 11 <sup>s</sup> 24 | 22 <sup>h</sup> 46 | 5 <sup>h</sup> 13 | 17 <sup>m</sup> 50 | 23 <sup>s</sup> 9  | 8 <sup>h</sup> 27   | 9 <sup>h</sup> 39  | 6 <sup>h</sup> 1  | 12 <sup>h</sup> 17  |
| S 17 | 4 18 0  | 3 <sup>h</sup> 31 <sup>m</sup> 18  | 22 <sup>h</sup> 16   | 19 <sup>h</sup> 11 | 19 <sup>h</sup> 33 | 2 <sup>h</sup> 50                 | 11 <sup>s</sup> 33 | 22 <sup>h</sup> 53 | 5 <sup>h</sup> 16 | 17 <sup>m</sup> 52 | 23 <sup>s</sup> 11 | 8 <sup>h</sup> 16   | 9 <sup>h</sup> 36  | 6 <sup>h</sup> 8  | 12 <sup>h</sup> 15  |
| S 18 | 4 21 56 | 4 <sup>h</sup> 32 <sup>m</sup> 14  | 4 <sup>h</sup> 31    | 20 <sup>h</sup> 42 | 20 <sup>h</sup> 25 | 3 <sup>h</sup> 34                 | 11 <sup>s</sup> 42 | 22 <sup>h</sup> 59 | 5 <sup>h</sup> 19 | 17 <sup>m</sup> 54 | 23 <sup>s</sup> 13 | 8 <sup>h</sup> 9    | 9 <sup>h</sup> 33  | 6 <sup>h</sup> 15 | 12 <sup>h</sup> 14  |
| M19  | 4 25 53 | 5 <sup>h</sup> 33 <sup>m</sup> 10  | 16 <sup>h</sup> 34   | 22 <sup>h</sup> 13 | 21 <sup>h</sup> 15 | 4 <sup>h</sup> 18                 | 11 <sup>s</sup> 52 | 23 <sup>h</sup> 6  | 5 <sup>h</sup> 23 | 17 <sup>m</sup> 57 | 23 <sup>s</sup> 15 | 8 <sup>h</sup> 3    | 9 <sup>h</sup> 30  | 6 <sup>h</sup> 21 | 12 <sup>h</sup> 13  |
| T 20 | 4 29 49 | 6 <sup>h</sup> 34 <sup>m</sup> 08  | 28 <sup>h</sup> 27   | 23 <sup>h</sup> 45 | 22 <sup>h</sup> 5  | 5 <sup>h</sup> 2                  | 12 <sup>s</sup> 1  | 23 <sup>h</sup> 13 | 5 <sup>h</sup> 26 | 17 <sup>m</sup> 59 | 23 <sup>s</sup> 17 | 8 <sup>h</sup> 1    | 9 <sup>h</sup> 27  | 6 <sup>h</sup> 28 | 12 <sup>h</sup> 11  |
| W21  | 4 33 46 | 7 <sup>h</sup> 35 <sup>m</sup> 06  | 10 <sup>h</sup> 14   | 25 <sup>h</sup> 17 | 22 <sup>h</sup> 55 | 5 <sup>h</sup> 46                 | 12 <sup>s</sup> 11 | 23 <sup>h</sup> 20 | 5 <sup>h</sup> 29 | 18 <sup>m</sup> 1  | 23 <sup>s</sup> 19 | 8 <sup>h</sup> D 0  | 9 <sup>h</sup> 23  | 6 <sup>h</sup> 34 | 12 <sup>h</sup> 10  |
| T 22 | 4 37 43 | 8 <sup>h</sup> 36 <sup>m</sup> 05  | 22 <sup>h</sup> 1    | 26 <sup>h</sup> 49 | 23 <sup>h</sup> 43 | 6 <sup>h</sup> 30                 | 12 <sup>s</sup> 21 | 23 <sup>h</sup> 27 | 5 <sup>h</sup> 32 | 18 <sup>m</sup> 3  | 23 <sup>s</sup> 21 | 8 <sup>h</sup> 1    | 9 <sup>h</sup> 20  | 6 <sup>h</sup> 41 | 12 <sup>h</sup> 9   |
| F 23 | 4 41 39 | 9 <sup>h</sup> 37 <sup>m</sup> 05  | 3 <sup>h</sup> 51    | 28 <sup>h</sup> 21 | 24 <sup>h</sup> 30 | 7 <sup>h</sup> 14                 | 12 <sup>s</sup> 31 | 23 <sup>h</sup> 34 | 5 <sup>h</sup> 36 | 18 <sup>m</sup> 6  | 23 <sup>s</sup> 22 | 8 <sup>h</sup> R 2  | 9 <sup>h</sup> 17  | 6 <sup>h</sup> 48 | 12 <sup>h</sup> 7   |
| S 24 | 4 45 36 | 10 <sup>h</sup> 38 <sup>m</sup> 05 | 15 <sup>h</sup> 52   | 29 <sup>h</sup> 54 | 25 <sup>h</sup> 17 | 7 <sup>h</sup> 58                 | 12 <sup>s</sup> 41 | 23 <sup>h</sup> 41 | 5 <sup>h</sup> 39 | 18 <sup>m</sup> 8  | 23 <sup>s</sup> 24 | 8 <sup>h</sup> 2    | 9 <sup>h</sup> 14  | 6 <sup>h</sup> 54 | 12 <sup>h</sup> 6   |
| S 25 | 4 49 32 | 11 <sup>h</sup> 39 <sup>m</sup> 06 | 28 <sup>h</sup> 7    | 1 <sup>h</sup> 26  | 26 <sup>h</sup> 2  | 8 <sup>h</sup> 42                 | 12 <sup>s</sup> 51 | 23 <sup>h</sup> 48 | 5 <sup>h</sup> 42 | 18 <sup>m</sup> 10 | 23 <sup>s</sup> 26 | 8 <sup>h</sup> 0    | 9 <sup>h</sup> 11  | 7 <sup>h</sup> 1  | 12 <sup>h</sup> 5   |
| M26  | 4 53 29 | 12 <sup>h</sup> 40 <sup>m</sup> 08 | 10 <sup>h</sup> Y43  | 2 <sup>h</sup> 59  | 26 <sup>h</sup> 47 | 9 <sup>h</sup> 26                 | 13 <sup>s</sup> 1  | 23 <sup>h</sup> 55 | 5 <sup>h</sup> 46 | 18 <sup>m</sup> 12 | 23 <sup>s</sup> 28 | 7 <sup>h</sup> 56   | 9 <sup>h</sup> 7   | 7 <sup>h</sup> 8  | 12 <sup>h</sup> 4   |
| T 27 | 4 57 25 | 13 <sup>h</sup> 41 <sup>m</sup> 10 | 23 <sup>h</sup> 42   | 4 <sup>h</sup> 32  | 27 <sup>h</sup> 30 | 10 <sup>h</sup> 10                | 13 <sup>s</sup> 12 | 24 <sup>h</sup> 1  | 5 <sup>h</sup> 49 | 18 <sup>m</sup> 15 | 23 <sup>s</sup> 30 | 7 <sup>h</sup> 50   | 9 <sup>h</sup> 4   | 7 <sup>h</sup> 14 | 12 <sup>h</sup> 3   |
| W28  | 5 1 22  | 14 <sup>h</sup> 42 <sup>m</sup> 12 | 7 <sup>h</sup> 8     | 6 <sup>h</sup> 5   | 28 <sup>h</sup> 13 | 10 <sup>h</sup> 55                | 13 <sup>s</sup> 22 | 24 <sup>h</sup> 8  | 5 <sup>h</sup> 52 | 18 <sup>m</sup> 17 | 23 <sup>s</sup> 31 | 7 <sup>h</sup> 43   | 9 <sup>h</sup> 1   | 7 <sup>h</sup> 21 | 12 <sup>h</sup> 2   |
| T 29 | 5 5 18  | 15 <sup>h</sup> 43 <sup>m</sup> 15 | 21 <sup>h</sup> 0    | 7 <sup>h</sup> 38  | 28 <sup>h</sup> 54 | 11 <sup>h</sup> 39                | 13 <sup>s</sup> 33 | 24 <sup>h</sup> 15 | 5 <sup>h</sup> 56 | 18 <sup>m</sup> 19 | 23 <sup>s</sup> 33 | 7 <sup>h</sup> 34   | 8 <sup>h</sup> 58  | 7 <sup>h</sup> 28 | 12 <sup>h</sup> 1   |
| F 30 | 5 9 15  | 16 <sup>h</sup> 44 <sup>m</sup> 19 | 5 <sup>h</sup> II 16 | 9 <sup>h</sup> 11  | 29 <sup>h</sup> 34 | 12 <sup>h</sup> 23                | 13 <sup>s</sup> 44 | 24 <sup>h</sup> 22 | 5 <sup>h</sup> 59 | 18 <sup>m</sup> 21 | 23 <sup>s</sup> 35 | 7 <sup>h</sup> 25   | 8 <sup>h</sup> 55  | 7 <sup>h</sup> 34 | 12 <sup>h</sup> Y 0 |

| Day  | ☉     | ☽     | ♀    | ♁     | ♂    | ♃     | ♅    | ♁     | ♄    | ♁     | ♁    | ♁     | ♁    | ♁     | ♁    |       |      |      |       |       |       |       |      |      |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |       |      |      |       |       |       |       |      |      |
| T 1  | 17s 3 | 20n32 | 5n 0 | 8s35  | 2n22 | 26s50 | 3s25 | 18s17 | 0s10 | 18s52 | 0s56 | 22s14 | 0n59 | 23s45 | 0s19 | 21s36 | 1n19 | 6n31 | 16n30 | 17s45 | 17s40 | 19s45 | 6n22 | 1n26 |
| F 2  | 17 20 | 24 11 | 4 48 | 8 55  | 2 22 | 26 48 | 3 24 | 18 29 | 0 10 | 18 50 | 0 56 | 22 15 | 0 59 | 23 45 | 0 19 | 21 36 | 1 19 | 6 30 | 16 31 | 17 48 | 17 41 | 19 43 | 6 21 | 1 26 |
| S 3  | 17 37 | 26 25 | 4 17 | 9 18  | 2 20 | 26 45 | 3 24 | 18 41 | 0 11 | 18 48 | 0 56 | 22 15 | 0 58 | 23 45 | 0 19 | 21 36 | 1 19 | 6 30 | 16 31 | 17 51 | 17 42 | 19 40 | 6 20 | 1 26 |
| S 4  | 17 53 | 26 56 | 3 30 | 9 44  | 2 18 | 26 41 | 3 23 | 18 52 | 0 12 | 18 46 | 0 56 | 22 16 | 0 58 | 23 45 | 0 19 | 21 36 | 1 19 | 6 29 | 16 31 | 17 54 | 17 43 | 19 38 | 6 19 | 1 25 |
| M 5  | 18 9  | 25 38 | 2 30 | 10 11 | 2 15 | 26 36 | 3 23 | 19 4  | 0 12 | 18 44 | 0 56 | 22 16 | 0 58 | 23 44 | 0 19 | 21 36 | 1 19 | 6 29 | 16 31 | 17 55 | 17 44 | 19 36 | 6 18 | 1 25 |
| T 6  | 18 25 | 22 40 | 1 20 | 10 40 | 2 11 | 26 32 | 3 22 | 19 15 | 0 13 | 18 41 | 0 56 | 22 17 | 0 58 | 23 44 | 0 19 | 21 37 | 1 19 | 6 28 | 16 32 | 17 56 | 17 45 | 19 33 | 6 17 | 1 25 |
| W 7  | 18 40 | 18 19 | 0 6  | 11 10 | 2 7  | 26 26 | 3 21 | 19 26 | 0 13 | 18 39 | 0 56 | 22 17 | 0 58 | 23 44 | 0 19 | 21 37 | 1 19 | 6 28 | 16 32 | 17 56 | 17 45 | 19 31 | 6 17 | 1 25 |
| T 8  | 18 55 | 12 59 | 1s 9 | 11 40 | 2 2  | 26 20 | 3 19 | 19 37 | 0 14 | 18 37 | 0 56 | 22 18 | 0 58 | 23 44 | 0 19 | 21 37 | 1 19 | 6 27 | 16 32 | 17 56 | 17 46 | 19 28 | 6 16 | 1 25 |
| F 9  | 19 10 | 7 2   | 2 18 | 12 12 | 1 57 | 26 13 | 3 18 | 19 47 | 0 15 | 18 35 | 0 56 | 22 18 | 0 58 | 23 44 | 0 19 | 21 37 | 1 18 | 6 27 | 16 32 | 17 56 | 17 47 | 19 26 | 6 15 | 1 25 |
| S 10 | 19 25 | 0 49  | 3 19 | 12 44 | 1 51 | 26 6  | 3 16 | 19 58 | 0 15 | 18 32 | 0 56 | 22 19 | 0 58 | 23 44 | 0 19 | 21 38 | 1 18 | 6 26 | 16 33 | 17 57 | 17 48 | 19 23 | 6 14 | 1 25 |
| S 11 | 19 39 | 5s22  | 4 7  | 13 17 | 1 46 | 25 58 | 3 14 | 20 8  | 0 16 | 18 30 | 0 56 | 22 19 | 0 58 | 23 44 | 0 19 | 21 38 | 1 18 | 6 26 | 16 33 | 17 58 | 17 49 | 19 21 | 6 13 | 1 24 |
| M12  | 19 52 | 11 13 | 4 41 | 13 50 | 1 39 | 25 50 | 3 12 | 20 18 | 0 16 | 18 28 | 0 55 | 22 20 | 0 58 | 23 44 | 0 19 | 21 38 | 1 18 | 6 25 | 16 33 | 18 0  | 17 50 | 19 18 | 6 12 | 1 24 |
| T 13 | 20 6  | 16 29 | 4 59 | 14 22 | 1 33 | 25 41 | 3 10 | 20 28 | 0 17 | 18 25 | 0 55 | 22 20 | 0 57 | 23 44 | 0 19 | 21 38 | 1 18 | 6 25 | 16 34 | 18 0  | 17 51 | 19 16 | 6 11 | 1 24 |
| W14  | 20 19 | 20 54 | 5 1  | 14 55 | 1 26 | 25 32 | 3 8  | 20 38 | 0 18 | 18 23 | 0 55 | 22 21 | 0 57 | 23 43 | 0 19 | 21 38 | 1 18 | 6 24 | 16 34 | 18 6  | 17 51 | 19 13 | 6 11 | 1 24 |
| T 15 | 20 31 | 24 12 | 4 47 | 15 27 | 1 20 | 25 22 | 3 5  | 20 48 | 0 18 | 18 20 | 0 55 | 22 21 | 0 57 | 23 43 | 0 19 | 21 39 | 1 18 | 6 24 | 16 34 | 18 9  | 17 52 | 19 11 | 6 10 | 1 24 |
| F 16 | 20 43 | 26 15 | 4 19 | 15 59 | 1 13 | 25 12 | 3 2  | 20 57 | 0 19 | 18 18 | 0 55 | 22 22 | 0 57 | 23 43 | 0 19 | 21 39 | 1 18 | 6 24 | 16 35 | 18 12 | 17 53 | 19 8  | 6 9  | 1 24 |
| S 17 | 20 55 | 26 55 | 3 39 | 16 31 | 1 6  | 25 1  | 2 59 | 21 6  | 0 19 | 18 15 | 0 55 | 22 22 | 0 57 | 23 43 | 0 19 | 21 39 | 1 18 | 6 23 | 16 35 | 18 15 | 17 54 | 19 6  | 6 8  | 1 24 |
| S 18 | 21 6  | 26 15 | 2 49 | 17 2  | 0 59 | 24 50 | 2 55 | 21 15 | 0 20 | 18 12 | 0 55 | 22 22 | 0 57 | 23 43 | 0 19 | 21 39 | 1 18 | 6 23 | 16 35 | 18 17 | 17 55 | 19 3  | 6 8  | 1 23 |
| M19  | 21 17 | 24 20 | 1 52 | 17 33 | 0 51 | 24 39 | 2 52 | 21 24 | 0 21 | 18 10 |      |       |      |       |      |       |      |      |       |       |       |       |      |      |

SWISS EPHEMERIS for the year 1487

DECEMBER 1487 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽        | ♀      | ♁     | ♂       | ♃        | ♅      | ♁      | ♄        | ♁      | ♁     | ♁     | ♁        | ♁      |
|------|---------|----------|----------|--------|-------|---------|----------|--------|--------|----------|--------|-------|-------|----------|--------|
| S 1  | 5 13 12 | 17°45'23 | 19°11'50 | 10°45' | 0°13' | 13°7' 8 | 13°55'   | 24°29' | 6°3' 3 | 18°24'   | 23°36' | 7°R17 | 8°52' | 7°44'    | 11°R59 |
| S 2  | 5 17 8  | 18°46'28 | 4°35'    | 12°18' | 0°50' | 13°52'  | 14° 6'   | 24°37' | 6° 6'  | 18°26'   | 23°38' | 7°11' | 8°48' | 7°48'    | 11°V59 |
| M 3  | 5 21 5  | 19°47'34 | 19°24'   | 13°52' | 1°26' | 14°37'  | 14°17'   | 24°44' | 6°10'  | 18°28'   | 23°39' | 7° 8' | 8°45' | 7°54'    | 11°58  |
| T 4  | 5 25 1  | 20°48'40 | 4°9'     | 15°26' | 2° 1' | 15°21'  | 14°28'   | 24°51' | 6°13'  | 18°30'   | 23°41' | 7°D 6 | 8°42' | 8° 1'    | 11°57  |
| W 5  | 5 28 58 | 21°49'47 | 18°44'   | 17° 0' | 2°35' | 16° 6'  | 14°39'   | 24°58' | 6°17'  | 18°33'   | 23°43' | 7° 7' | 8°39' | 8° 8'    | 11°57  |
| T 6  | 5 32 54 | 22°50'55 | 3°19' 5  | 18°34' | 3° 6' | 16°50'  | 14°51'   | 25° 5' | 6°20'  | 18°35'   | 23°44' | 7° 8' | 8°36' | 8°14'    | 11°56  |
| F 7  | 5 36 51 | 23°52'04 | 17° 9'   | 20° 8' | 3°37' | 17°35'  | 15° 2'   | 25°12' | 6°24'  | 18°37'   | 23°46' | 7° 9' | 8°33' | 8°21'    | 11°56  |
| S 8  | 5 40 48 | 24°53'13 | 0°57'    | 21°43' | 4° 5' | 18°20'  | 15°14'   | 25°19' | 6°27'  | 18°39'   | 23°47' | 7°R 9 | 8°29' | 8°27'    | 11°55  |
| S 9  | 5 44 44 | 25°54'22 | 14°28'   | 23°17' | 4°33' | 19° 5'  | 15°25'   | 25°26' | 6°31'  | 18°42'   | 23°48' | 7° 7' | 8°26' | 8°34'    | 11°55  |
| M10  | 5 48 41 | 26°55'33 | 27°45'   | 24°52' | 4°58' | 19°50'  | 15°37'   | 25°33' | 6°34'  | 18°44'   | 23°50' | 7° 4' | 8°23' | 8°41'    | 11°55  |
| T 11 | 5 52 37 | 27°56'44 | 10°14'7  | 26°28' | 5°21' | 20°34'  | 15°49'   | 25°40' | 6°38'  | 18°46'   | 23°51' | 6°58' | 8°20' | 8°47'    | 11°55  |
| W12  | 5 56 34 | 28°57'55 | 23°35'   | 28° 3' | 5°43' | 21°19'  | 16° 1'   | 25°47' | 6°41'  | 18°48'   | 23°52' | 6°52' | 8°17' | 8°54'    | 11°54  |
| T 13 | 6 0 30  | 29°59'07 | 6°12'7   | 29°39' | 6° 3' | 22° 4'  | 16°13'   | 25°54' | 6°45'  | 18°51'   | 23°54' | 6°45' | 8°13' | 9° 1'    | 11°54  |
| F 14 | 6 4 27  | 1°0'19   | 18°37'   | 1°15'  | 6°21' | 22°49'  | 16°25'   | 26° 1' | 6°48'  | 18°53'   | 23°55' | 6°38' | 8°10' | 9° 7'    | 11°D54 |
| S 15 | 6 8 23  | 2° 1'31  | 0°51'    | 2°52'  | 6°36' | 23°34'  | 16°37'   | 26° 8' | 6°52'  | 18°55'   | 23°56' | 6°32' | 8° 7' | 9°14'    | 11°54  |
| S 16 | 6 12 20 | 3° 2'44  | 12°55'   | 4°28'  | 6°50' | 24°20'  | 16°50'   | 26°15' | 6°56'  | 18°57'   | 23°57' | 6°28' | 8° 4' | 9°21'    | 11°54  |
| M17  | 6 16 17 | 4° 3'56  | 24°51'   | 6° 5'  | 7° 1' | 25° 5'  | 17° 2'   | 26°22' | 6°59'  | 19° 0'   | 23°58' | 6°26' | 8° 1' | 9°27'    | 11°55  |
| T 18 | 6 20 13 | 5° 5'08  | 6°41'    | 7°43'  | 7°10' | 25°50'  | 17°14'   | 26°29' | 7° 3'  | 19° 2'   | 24° 0' | 6°D25 | 7°58' | 9°34'    | 11°55  |
| W19  | 6 24 10 | 6° 6'20  | 18°28'   | 9°21'  | 7°17' | 26°35'  | 17°27'   | 26°36' | 7° 6'  | 19° 4'   | 24° 1' | 6°26' | 7°54' | 9°41'    | 11°55  |
| T 20 | 6 28 6  | 7° 7'32  | 0°14'    | 10°59' | 7°22' | 27°20'  | 17°40'   | 26°43' | 7°10'  | 19° 6'   | 24° 2' | 6°27' | 7°51' | 9°47'    | 11°55  |
| F 21 | 6 32 3  | 8° 8'43  | 12° 5'   | 12°37' | 7°R24 | 28° 6'  | 17°52'   | 26°50' | 7°14'  | 19° 8'   | 24° 3' | 6°29' | 7°48' | 9°54'    | 11°56  |
| S 22 | 6 35 59 | 9° 9'54  | 24° 4'   | 14°16' | 7°23' | 28°51'  | 18° 5'   | 26°57' | 7°17'  | 19°11'   | 24° 4' | 6°31' | 7°45' | 10° 1'   | 11°56  |
| S 23 | 6 39 56 | 10°11'05 | 6°16'    | 15°55' | 7°20' | 29°36'  | 18°18'   | 27° 4' | 7°21'  | 19°13'   | 24° 5' | 6°R32 | 7°42' | 10° 7'   | 11°57  |
| M24  | 6 43 52 | 11°12'15 | 18°47'   | 17°35' | 7°15' | 0°22'   | 18°31'   | 27°11' | 7°24'  | 19°15'   | 24° 6' | 6°31' | 7°39' | 10°14'   | 11°57  |
| T 25 | 6 47 49 | 12°13'24 | 1°41'    | 19°15' | 7° 7' | 1° 7'   | 18°44'   | 27°18' | 7°28'  | 19°17'   | 24° 6' | 6°30' | 7°35' | 10°20'   | 11°58  |
| W26  | 6 51 46 | 13°14'33 | 15° 1'   | 20°55' | 6°56' | 1°53'   | 18°57'   | 27°25' | 7°31'  | 19°19'   | 24° 7' | 6°28' | 7°32' | 10°27'   | 11°58  |
| T 27 | 6 55 42 | 14°15'42 | 28°49'   | 22°35' | 6°43' | 2°38'   | 19°10'   | 27°32' | 7°35'  | 19°21'   | 24° 8' | 6°25' | 7°29' | 10°34'   | 11°59  |
| F 28 | 6 59 39 | 15°16'50 | 13°11' 4 | 24°16' | 6°28' | 3°24'   | 19°23'   | 27°38' | 7°39'  | 19°23'   | 24° 9' | 6°21' | 7°26' | 10°40'   | 12° 0  |
| S 29 | 7 3 35  | 16°17'57 | 27°44'   | 25°57' | 6°10' | 4°10'   | 19°36'   | 27°45' | 7°42'  | 19°25'   | 24°10' | 6°19' | 7°23' | 10°47'   | 12° 1  |
| S 30 | 7 7 32  | 17°19'04 | 12°42'   | 27°37' | 5°49' | 4°55'   | 19°49'   | 27°52' | 7°46'  | 19°27'   | 24°10' | 6°17' | 7°19' | 10°54'   | 12° 2  |
| MB1  | 7 11 28 | 18°20'10 | 27°49'   | 29°18' | 5°27' | 5°24'   | 20°28' 3 | 27°59' | 7°49'  | 19°27'30 | 24°11' | 6°16' | 7°16' | 11°58' 0 | 12°V 3 |

| Day  | ☉           |            | ☽          |            | ♀          |            | ♁          |            | ♂         |             | ♃           |       | ♅    |       | ♁    |       | ♁    |      | ♁     |       | ♁     |       |      |      |
|------|-------------|------------|------------|------------|------------|------------|------------|------------|-----------|-------------|-------------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|
|      | decl        | lat        | decl       | lat        | decl       | lat        | decl       | lat        | decl      | lat         | decl        | lat   | decl | lat   | decl | lat   | decl | lat  | decl  | lat   | decl  | lat   |      |      |
| S 1  | 22s56       | 26n53      | 3n47       | 22s39      | 0s32       | 21s54      | 1s47       | 22s54      | 0s28      | 17s34       | 0s54        | 22s28 | 0n56 | 23s41 | 0s19 | 21s42 | 1n18 | 6n19 | 16n40 | 18s30 | 18s 6 | 18s30 | 6n 0 | 1n22 |
| S 2  | 23 2 26 12  | 2 46 22 58 | 0 38 21 39 | 1 40 23 0  | 0 28 17 31 | 0 54 22 28 | 0 56 23 41 | 0 19 21 42 | 1 18 6 19 | 16 41 18 32 | 18 7 18 28  | 6 0   | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| M 3  | 23 7 23 39  | 1 34 23 16 | 0 45 21 23 | 1 32 23 6  | 0 29 17 27 | 0 54 22 28 | 0 56 23 41 | 0 19 21 42 | 1 18 6 19 | 16 41 18 33 | 18 7 18 25  | 5 59  | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| T 4  | 23 11 19 32 | 0 16 23 33 | 0 51 21 8  | 1 24 23 11 | 0 29 17 24 | 0 54 22 29 | 0 56 23 41 | 0 19 21 43 | 1 18 6 19 | 16 42 18 33 | 18 8 18 23  | 5 59  | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| W 5  | 23 15 14 16 | 1s 3 23 49 | 0 57 20 52 | 1 16 23 17 | 0 30 17 21 | 0 54 22 29 | 0 56 23 40 | 0 19 21 43 | 1 18 6 19 | 16 42 18 33 | 18 9 18 20  | 5 59  | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| T 6  | 23 19 8 17  | 2 16 24 3  | 1 2 20 36  | 1 7 23 22  | 0 31 17 17 | 0 54 22 29 | 0 55 23 40 | 0 19 21 43 | 1 18 6 19 | 16 43 18 32 | 18 10 18 17 | 5 58  | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| F 7  | 23 22 2 1   | 3 20 24 16 | 1 8 20 20  | 0 58 23 27 | 0 31 17 14 | 0 54 22 30 | 0 55 23 40 | 0 19 21 43 | 1 18 6 19 | 16 43 18 32 | 18 11 18 15 | 5 58  | 1 21 |       |      |       |      |      |       |       |       |       |      |      |
| S 8  | 23 25 4s13  | 4 11 24 28 | 1 13 20 5  | 0 49 23 31 | 0 32 17 10 | 0 54 22 30 | 0 55 23 40 | 0 19 21 43 | 1 18 6 19 | 16 44 18 32 | 18 12 18 12 | 5 58  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| S 9  | 23 27 10 7  | 4 47 24 39 | 1 19 19 49 | 0 39 23 36 | 0 32 17 7  | 0 54 22 30 | 0 55 23 40 | 0 19 21 44 | 1 18 6 19 | 16 44 18 33 | 18 12 18 10 | 5 57  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| M10  | 23 28 15 27 | 5 6 24 48  | 1 24 19 33 | 0 29 23 40 | 0 33 17 3  | 0 54 22 31 | 0 55 23 40 | 0 19 21 44 | 1 18 6 19 | 16 45 18 34 | 18 13 18 7  | 5 57  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| T 11 | 23 29 20 0  | 5 10 24 56 | 1 29 19 17 | 0 19 23 44 | 0 34 17 0  | 0 54 22 31 | 0 55 23 39 | 0 19 21 44 | 1 18 6 19 | 16 45 18 35 | 18 14 18 4  | 5 57  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| W12  | 23 30 23 31 | 4 57 25 3  | 1 33 19 1  | 0 8 23 47  | 0 34 16 56 | 0 54 22 31 | 0 55 23 39 | 0 19 21 44 | 1 18 6 19 | 16 46 18 37 | 18 15 18 2  | 5 57  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| T 13 | 23 30 25 51 | 4 31 25 8  | 1 37 18 46 | 0n 3 23 51 | 0 35 16 52 | 0 54 22 32 | 0 55 23 39 | 0 19 21 44 | 1 18 6 19 | 16 46 18 38 | 18 16 17 59 | 5 57  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| F 14 | 23 30 26 52 | 3 52 25 12 | 1 42 18 30 | 0 15 23 54 | 0 35 16 49 | 0 54 22 32 | 0 55 23 39 | 0 19 21 45 | 1 18 6 19 | 16 47 18 40 | 18 16 17 57 | 5 56  | 1 20 |       |      |       |      |      |       |       |       |       |      |      |
| S 15 | 23 30 26 32 | 3 2 25 14  | 1 45 18 15 | 0 27 23 57 | 0 36 16 45 | 0 54 22 32 | 0 55 23 39 | 0 19 21 45 | 1 18 6 19 | 16 47 18 41 | 18 17 17 54 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| S 16 | 23 28 24 57 | 2 5 25 15  | 1 49 17 59 | 0 39 23 59 | 0 36 16 41 | 0 53 22 32 | 0 55 23 39 | 0 19 21 45 | 1 18 6 19 | 16 48 18 43 | 18 18 17 51 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| M17  | 23 27 22 15 | 1 3 25 14  | 1 52 17 44 | 0 52 24 2  | 0 37 16 37 | 0 53 22 33 | 0 55 23 38 | 0 19 21 45 | 1 18 6 19 | 16 48 18 43 | 18 19 17 49 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| T 18 | 23 25 18 38 | 0n 1 25 12 | 1 55 17 29 | 1 5 24 4   | 0 37 16 34 | 0 53 22 33 | 0 55 23 38 | 0 19 21 45 | 1 18 6 19 | 16 49 18 43 | 18 20 17 46 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| W19  | 23 22 14 18 | 1 6 25 8   | 1 58 17 15 | 1 18 24 6  | 0 38 16 30 | 0 53 22 33 | 0 55 23 38 | 0 19 21 45 | 1 18 6 19 | 16 49 18 43 | 18 21 17 43 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| T 20 | 23 19 9 26  | 2 7 25 3   | 2 0 17 1   | 1 31 24 7  | 0 39 16 26 | 0 53 22 33 | 0 55 23 38 | 0 19 21 46 | 1 18 6 19 | 16 50 18 43 | 18 21 17 41 | 5 56  | 1 19 |       |      |       |      |      |       |       |       |       |      |      |
| F 21 | 23 15 4 13  | 3 4 24 56  | 2 2 16 47  | 1 45 24 9  | 0 39 16 22 | 0 53 22 34 | 0 55 23 38 | 0 19 21 46 | 1 18 6 19 | 16 50 18 42 | 18 22 17 38 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| S 22 | 23 11 1n12  | 3 53 24 48 | 2 4 16 33  | 2 0 24 10  | 0 40 16 18 | 0 53 22 34 | 0 55 23 37 | 0 19 21 46 | 1 18 6 19 | 16 51 18 42 | 18 23 17 36 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| S 23 | 23 7 6 40   | 4 32 24 38 | 2 5 16 20  | 2 14 24 11 | 0 40 16 14 | 0 53 22 34 | 0 55 23 37 | 0 19 21 46 | 1 18 6 20 | 16 51 18 42 | 18 24 17 33 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| M24  | 23 2 12 0   | 5 0 24 26  | 2 6 16 7   | 2 29 24 11 | 0 41 16 10 | 0 53 22 34 | 0 54 23 37 | 0 19 21 46 | 1 18 6 20 | 16 52 18 42 | 18 25 17 30 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| T 25 | 22 57 17 0  | 5 14 24 13 | 2 7 15 54  | 2 44 24 11 | 0 41 16 6  | 0 53 22 34 | 0 54 23 37 | 0 19 21 46 | 1 18 6 20 | 16 52 18 42 | 18 26 17 28 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| W26  | 22 51 21 21 | 5 12 23 58 | 2 7 15 42  | 2 59 24 11 | 0 42 16 2  | 0 53 22 35 | 0 54 23 37 | 0 19 21 47 | 1 18 6 20 | 16 53 18 43 | 18 26 17 25 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| T 27 | 22 44 24 41 | 4 52 23 41 | 2 6 15 31  | 3 14 24 11 | 0 42 15 58 | 0 53 22 35 | 0 54 23 36 | 0 19 21 47 | 1 18 6 20 | 16 54 18 43 | 18 27 17 22 | 5 56  | 1 18 |       |      |       |      |      |       |       |       |       |      |      |
| F 28 | 22 38 26 37 | 4 13 23 23 | 2 5 15 20  | 3 29 24 11 | 0 43 15 54 | 0 53 22 35 | 0 54 23 36 | 0 19 21 47 | 1 18 6 21 | 16 54 18 44 | 18 28 17 20 | 5 57  | 1 17 |       |      |       |      |      |       |       |       |       |      |      |
| S 29 | 22 31 26 46 | 3 17 23 3  | 2 4 15 9   | 3 45 24 10 | 0 43 15 49 | 0 53 22 35 | 0 54 23 36 | 0 19 21 47 | 1 18 6 21 |             |             |       |      |       |      |       |      |      |       |       |       |       |      |      |