

SWISS EPHEMERIS for the year 1878

JANUARY 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|---------------------|------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|-------------------|
| T 1 | 6 42 2 | 10 ²⁹ 47 | 9 ⁵⁷ | 27 ⁵⁰ | 25 ⁵⁸ | 12 ² | 14 ⁷ | 15 ²¹ | 29 ^{R 9} | 4 ^{R49} | 23 ^{R48} | 23 ^{R12} | 24 ³⁹ | 9 ¹² | 29 ^{R41} |
| W 2 | 6 45 59 | 11 ³⁰ 58 | 22 ⁵⁸ | 27 ^{R55} | 26 ⁴⁷ | 12 ³⁷ | 14 ²¹ | 15 ²⁶ | 29 ^{Ω 7} | 4 ⁸⁴⁸ | 23 ⁸⁴⁷ | 23 ⁴ | 24 ³⁵ | 9 ¹⁹ | 29 ^{Y41} |
| T 3 | 6 49 56 | 12 ³² 10 | 5 ⁴⁵ | 27 ⁴⁸ | 27 ³⁴ | 13 ¹² | 14 ³⁵ | 15 ³⁰ | 29 ⁶ | 4 ⁴⁸ | 23 ⁴⁶ | 22 ⁵⁷ | 24 ³² | 9 ²⁵ | 29 ⁴⁰ |
| F 4 | 6 53 52 | 13 ³³ 21 | 18 ¹⁸ | 27 ³⁰ | 28 ²¹ | 13 ⁴⁷ | 14 ⁴⁹ | 15 ³⁵ | 29 ⁴ | 4 ⁴⁷ | 23 ⁴⁶ | 22 ⁵¹ | 24 ²⁹ | 9 ³² | 29 ⁴⁰ |
| S 5 | 6 57 49 | 14 ³⁴ 32 | 0 ³⁸ | 27 ⁰ | 29 ⁷ | 14 ²² | 15 ³ | 15 ⁴⁰ | 29 ² | 4 ⁴⁷ | 23 ⁴⁵ | 22 ⁴⁷ | 24 ²⁶ | 9 ³⁹ | 29 ⁴⁰ |
| S 6 | 7 1 45 | 15 ³⁵ 43 | 12 ⁴⁶ | 26 ¹⁸ | 29 ⁵² | 14 ⁵⁸ | 15 ¹⁷ | 15 ⁴⁴ | 29 ¹ | 4 ⁴⁷ | 23 ⁴⁴ | 22 ⁴⁴ | 24 ²³ | 9 ⁴⁵ | 29 ⁴⁰ |
| M 7 | 7 5 42 | 16 ³⁶ 54 | 24 ⁴⁴ | 25 ²⁵ | 0 ³⁵ | 15 ³³ | 15 ³¹ | 15 ⁴⁹ | 28 ⁵⁹ | 4 ⁴⁶ | 23 ⁴⁴ | 22 ^{D44} | 24 ²⁰ | 9 ⁵² | 29 ³⁹ |
| T 8 | 7 9 38 | 17 ³⁸ 04 | 6 ³⁵ | 24 ²³ | 1 ¹⁸ | 16 ⁹ | 15 ⁴⁵ | 15 ⁵⁴ | 28 ⁵⁷ | 4 ⁴⁶ | 23 ⁴³ | 22 ⁴⁴ | 24 ¹⁶ | 9 ⁵⁹ | 29 ³⁹ |
| W 9 | 7 13 35 | 18 ³⁹ 14 | 18 ²² | 23 ¹³ | 2 ⁰ | 16 ⁴⁵ | 15 ⁵⁹ | 15 ⁵⁹ | 28 ⁵⁶ | 4 ⁴⁶ | 23 ⁴² | 22 ⁴⁶ | 24 ¹³ | 10 ⁵ | 29 ^{D39} |
| T 10 | 7 17 31 | 19 ⁴⁰ 23 | 0 ¹⁰ | 21 ⁵⁸ | 2 ⁴⁰ | 17 ²⁰ | 16 ¹³ | 16 ⁴ | 28 ⁵⁴ | 4 ⁴⁶ | 23 ⁴² | 22 ⁴⁸ | 24 ¹⁰ | 10 ¹² | 29 ³⁹ |
| F 11 | 7 21 28 | 20 ⁴¹ 32 | 12 ³ | 20 ³⁹ | 3 ¹⁹ | 17 ⁵⁶ | 16 ²⁷ | 16 ¹⁰ | 28 ⁵² | 4 ⁴⁶ | 23 ⁴¹ | 22 ⁴⁹ | 24 ⁷ | 10 ¹⁸ | 29 ³⁹ |
| S 12 | 7 25 25 | 21 ⁴² 40 | 24 ⁸ | 19 ¹⁹ | 3 ⁵⁷ | 18 ³² | 16 ⁴¹ | 16 ¹⁵ | 28 ⁵⁰ | 4 ⁴⁵ | 23 ⁴¹ | 22 ^{R50} | 24 ⁴ | 10 ²⁵ | 29 ⁴⁰ |
| S 13 | 7 29 21 | 22 ⁴³ 47 | 6 ⁸ | 18 ² | 4 ³³ | 19 ⁸ | 16 ⁵⁵ | 16 ²⁰ | 28 ⁴⁸ | 4 ⁴⁵ | 23 ⁴⁰ | 22 ⁴⁹ | 24 ¹ | 10 ³² | 29 ⁴⁰ |
| M14 | 7 33 18 | 23 ⁴⁴ 54 | 19 ¹⁰ | 16 ⁴⁸ | 5 ⁹ | 19 ⁴⁴ | 17 ⁹ | 16 ²⁶ | 28 ⁴⁶ | 4 ⁴⁵ | 23 ⁴⁰ | 22 ⁴⁶ | 23 ⁵⁷ | 10 ³⁸ | 29 ⁴⁰ |
| T 15 | 7 37 14 | 24 ⁴⁶ 00 | 2 ¹¹ | 15 ⁴⁰ | 5 ⁴² | 20 ²⁰ | 17 ²³ | 16 ³¹ | 28 ⁴⁴ | 4 ^{D45} | 23 ³⁹ | 22 ⁴³ | 23 ⁵⁴ | 10 ⁴⁵ | 29 ⁴⁰ |
| W16 | 7 41 11 | 25 ⁴⁷ 05 | 15 ⁴⁶ | 14 ⁴⁰ | 6 ¹⁴ | 20 ⁵⁶ | 17 ³⁷ | 16 ³⁷ | 28 ⁴² | 4 ⁴⁵ | 23 ³⁹ | 22 ³⁹ | 23 ⁵¹ | 10 ⁵² | 29 ⁴¹ |
| T 17 | 7 45 7 | 26 ⁴⁸ 10 | 29 ⁴⁴ | 13 ⁴⁸ | 6 ⁴⁵ | 21 ³³ | 17 ⁵¹ | 16 ⁴² | 28 ⁴⁰ | 4 ⁴⁵ | 23 ³⁸ | 22 ³⁵ | 23 ⁴⁸ | 10 ⁵⁸ | 29 ⁴¹ |
| F 18 | 7 49 4 | 27 ⁴⁹ 14 | 14 ⁵ | 13 ⁵ | 7 ¹⁴ | 22 ⁹ | 18 ⁵ | 16 ⁴⁸ | 28 ³⁸ | 4 ⁴⁶ | 23 ³⁸ | 22 ³¹ | 23 ⁴⁵ | 11 ⁵ | 29 ⁴² |
| S 19 | 7 53 0 | 28 ⁵⁰ 17 | 28 ⁴⁴ | 12 ³² | 7 ⁴¹ | 22 ⁴⁵ | 18 ¹⁹ | 16 ⁵³ | 28 ³⁶ | 4 ⁴⁶ | 23 ³⁷ | 22 ²⁸ | 23 ⁴¹ | 11 ¹² | 29 ⁴² |
| S 20 | 7 56 57 | 29 ⁵¹ 19 | 13 ³⁵ | 12 ⁸ | 8 ⁷ | 23 ²² | 18 ³² | 16 ⁵⁹ | 28 ³³ | 4 ⁴⁶ | 23 ³⁷ | 22 ²⁷ | 23 ³⁸ | 11 ¹⁸ | 29 ⁴³ |
| M21 | 8 0 54 | 0 ⁵² 21 | 28 ²⁹ | 11 ⁵³ | 8 ³⁰ | 23 ⁵⁸ | 18 ⁴⁶ | 17 ⁵ | 28 ³¹ | 4 ⁴⁶ | 23 ³⁷ | 22 ^{D27} | 23 ³⁵ | 11 ²⁵ | 29 ⁴⁴ |
| T 22 | 8 4 50 | 1 ⁵³ 22 | 13 ¹⁹ | 11 ^{D46} | 8 ⁵² | 24 ³⁵ | 19 ⁰ | 17 ¹¹ | 28 ²⁹ | 4 ⁴⁶ | 23 ³⁶ | 22 ²⁸ | 23 ³² | 11 ³² | 29 ⁴⁴ |
| W23 | 8 8 47 | 2 ⁵⁴ 22 | 2 ⁵⁹ | 11 ⁴⁸ | 9 ¹² | 25 ¹¹ | 19 ¹⁴ | 17 ¹⁷ | 28 ²⁷ | 4 ⁴⁶ | 23 ³⁶ | 22 ²⁹ | 23 ²⁹ | 11 ³⁸ | 29 ⁴⁵ |
| T 24 | 8 12 43 | 3 ⁵⁵ 22 | 12 ²³ | 11 ⁵⁸ | 9 ³⁰ | 25 ⁴⁸ | 19 ²⁸ | 17 ²³ | 28 ²⁴ | 4 ⁴⁷ | 23 ³⁶ | 22 ³¹ | 23 ²⁶ | 11 ⁴⁵ | 29 ⁴⁶ |
| F 25 | 8 16 40 | 4 ⁵⁶ 21 | 26 ²⁹ | 12 ¹⁴ | 9 ⁴⁵ | 26 ²⁵ | 19 ⁴¹ | 17 ²⁹ | 28 ²² | 4 ⁴⁷ | 23 ³⁵ | 22 ³¹ | 23 ²² | 11 ⁵² | 29 ⁴⁷ |
| S 26 | 8 20 36 | 5 ⁵⁷ 20 | 10 ¹⁶ | 12 ³⁸ | 9 ⁵⁹ | 27 ¹ | 19 ⁵⁵ | 17 ³⁵ | 28 ²⁰ | 4 ⁴⁸ | 23 ³⁵ | 22 ^{R32} | 23 ¹⁹ | 11 ⁵⁸ | 29 ⁴⁸ |
| S 27 | 8 24 33 | 6 ⁵⁸ 19 | 23 ⁴⁴ | 13 ⁷ | 10 ¹⁰ | 27 ³⁸ | 20 ⁹ | 17 ⁴¹ | 28 ¹⁷ | 4 ⁴⁸ | 23 ³⁵ | 22 ³¹ | 23 ¹⁶ | 12 ⁵ | 29 ⁴⁹ |
| M28 | 8 28 29 | 7 ⁵⁹ 16 | 6 ⁵⁴ | 13 ⁴¹ | 10 ²⁰ | 28 ¹⁵ | 20 ²³ | 17 ⁴⁸ | 28 ¹⁵ | 4 ⁴⁸ | 23 ³⁵ | 22 ²⁹ | 23 ¹³ | 12 ¹² | 29 ⁵⁰ |
| T 29 | 8 32 26 | 9 ⁰ 13 | 19 ⁴⁸ | 14 ²¹ | 10 ²⁷ | 28 ⁵² | 20 ³⁶ | 17 ⁵⁴ | 28 ¹³ | 4 ⁴⁹ | 23 ³⁵ | 22 ²⁸ | 23 ¹⁰ | 12 ¹⁸ | 29 ⁵¹ |
| W30 | 8 36 23 | 10 ⁰ 11 | 2 ²⁷ | 15 ⁵ | 10 ³¹ | 29 ²⁹ | 20 ⁵⁰ | 18 ⁰ | 28 ¹⁰ | 4 ⁴⁹ | 23 ³⁴ | 22 ²⁶ | 23 ⁷ | 12 ²⁵ | 29 ⁵² |
| T 31 | 8 40 19 | 11 ⁰ 20 | 14 ⁵⁴ | 15 ⁵³ | 10 ^{R33} | 0 ⁶ | 21 ³ | 18 ⁷ | 28 ⁸ | 4 ⁵⁰ | 23 ³⁴ | 22 ²⁴ | 23 ³ | 12 ³² | 29 ^{Y54} |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 23s 3 | 26s50 | 4s56 | 20s32 | 0n 5 | 13s21 | 0s30 | 4n57 | 0n13 | 22s49 | 0s 6 | 7s39 | 2s 2 | 12n30 | 0n46 | 11n26 | 1s48 | 4n56 | 14s13 | 13s48 | 13s19 | 6s55 | 10n55 | 0s30 |
| W 2 | 22 57 | 27 44 | 4 28 | 20 14 | 0 22 | 12 57 | 0 22 | 5 12 | 0 14 | 22 48 | 0 7 | 7 37 | 2 2 | 12 31 | 0 46 | 11 26 | 1 48 | 4 57 | 14 13 | 13 50 | 13 20 | 6 52 | 10 54 | 0 30 |
| T 3 | 22 52 | 27 7 | 3 47 | 19 57 | 0 41 | 12 33 | 0 15 | 5 27 | 0 15 | 22 46 | 0 7 | 7 35 | 2 2 | 12 31 | 0 46 | 11 26 | 1 48 | 4 57 | 14 12 | 13 53 | 13 21 | 6 49 | 10 54 | 0 30 |
| F 4 | 22 46 | 25 7 | 2 56 | 19 42 | 0 59 | 12 10 | 0 7 | 5 42 | 0 17 | 22 45 | 0 7 | 7 33 | 2 2 | 12 32 | 0 46 | 11 26 | 1 48 | 4 57 | 14 12 | 13 55 | 13 22 | 6 46 | 10 54 | 0 30 |
| S 5 | 22 40 | 21 56 | 1 57 | 19 29 | 1 19 | 11 46 | 0n 2 | 5 57 | 0 18 | 22 43 | 0 7 | 7 31 | 2 1 | 12 32 | 0 46 | 11 26 | 1 48 | 4 57 | 14 12 | 13 56 | 13 23 | 6 42 | 10 54 | 0 30 |
| S 6 | 22 33 | 17 51 | 0 54 | 19 18 | 1 38 | 11 22 | 0 10 | 6 12 | 0 19 | 22 42 | 0 7 | 7 29 | 2 1 | 12 33 | 0 46 | 11 26 | 1 48 | 4 57 | 14 11 | 13 57 | 13 24 | 6 39 | 10 54 | 0 30 |
| M 7 | 22 25 | 13 7 | 0n11 | 19 10 | 1 57 | 10 59 | 0 19 | 6 27 | 0 20 | 22 40 | 0 7 | 7 27 | 2 1 | 12 34 | 0 46 | 11 26 | 1 48 | 4 57 | 14 11 | 13 57 | 13 25 | 6 36 | 10 54 | 0 30 |
| T 8 | 22 18 | 7 57 | 1 15 | 19 3 | 2 15 | 10 35 | 0 28 | 6 41 | 0 22 | 22 39 | 0 7 | 7 25 | 2 1 | 12 34 | 0 46 | 11 26 | 1 48 | 4 57 | 14 11 | 13 57 | 13 26 | 6 32 | 10 53 | 0 30 |
| W 9 | 22 9 | 2 31 | 2 16 | 18 58 | 2 31 | 10 11 | 0 37 | 6 56 | 0 23 | 22 37 | 0 7 | 7 23 | 2 1 | 12 35 | 0 46 | 11 26 | 1 48 | 4 57 | 14 11 | 13 56 | 13 27 | 6 29 | 10 53 | 0 30 |
| T 10 | 22 1 | 2n59 | 3 11 | 18 56 | 2 46 | 9 48 | 0 47 | 7 11 | 0 24 | 22 36 | 0 7 | 7 21 | 2 1 | 12 36 | 0 46 | 11 26 | 1 48 | 4 57 | 14 10 | 13 56 | 13 29 | 6 26 | 10 53 | 0 30 |
| F 11 | 21 52 | 8 25 | 3 58 | 18 55 | 2 59 | 9 25 | 0 57 | 7 26 | 0 25 | 22 34 | 0 7 | 7 19 | 2 1 | 12 36 | 0 46 | 11 26 | 1 48 | 4 58 | 14 10 | 13 55 | 13 30 | 6 23 | 10 53 | 0 30 |
| S 12 | 21 42 | 13 38 | 4 35 | 18 56 | 3 10 | 9 2 | 1 7 | 7 40 | 0 26 | 22 32 | 0 8 | 7 17 | 2 1 | 12 37 | 0 46 | 11 26 | 1 48 | 4 58 | 14 10 | 13 55 | 13 31 | 6 19 | 10 53 | 0 30 |
| S 13 | 21 32 | 18 25 | 5 1 | 18 59 | 3 18 | 8 39 | 1 17 | 7 55 | 0 27 | 22 31 | 0 8 | 7 15 | 2 0 | 12 38 | 0 47 | 11 26 | 1 47 | 4 58 | 14 10 | 13 55 | 13 32 | 6 16 | 10 53 | 0 30 |
| M14 | 21 22 | 22 33 | 5 13 | 19 2 | 3 23 | 8 17 | 1 27 | 8 10 | 0 29 | 22 29 | 0 8 | 7 12 | 2 0 | 12 38 | 0 47 | 11 26 | 1 47 | 4 58 | 14 9 | 13 56 | 13 33 | 6 13 | 10 53 | 0 30 |
| T 15 | 21 11 | 25 41 | 5 9 | 19 7 | 3 26 | 7 54 | 1 38 | 8 24 | 0 30 | 22 27 | 0 8 | 7 10 | 2 0 | 12 39 | 0 47 | 11 26 | 1 47 | 4 58 | 14 9 | 13 57 | 13 34 | 6 9 | 10 53 | 0 30 |
| W16 | 21 0 | 27 29 | 4 49 | 19 13 | 3 27 | 7 32 | 1 49 | 8 39 | 0 31 | 22 26 | 0 8 | 7 8 | 2 0 | 12 40 | 0 47 | 11 26 | 1 47 | 4 58 | 14 9 | 13 59 | 13 35 | 6 6 | 10 54 | 0 30 |
| T 17 | 20 49 | 27 38 | 4 11 | 19 20 | 3 25 | 7 11 | 2 0 | 8 54 | 0 32 | 22 24 | 0 8 | 7 6 | 2 0 | 12 41 | 0 47 | 11 26 | 1 47 | 4 59 | 14 8 | 14 0 | 13 36 | 6 3 | 10 54 | 0 31 |
| F 18 | 20 37 | 25 57 | 3 16 | 19 28 | 3 22 | 6 49 | 2 12 | 9 8 | 0 33 | 22 22 | 0 8 | 7 3 | 2 0 | 12 41 | 0 47 | 11 26 | 1 47 | 4 59 | 14 8 | 14 1 | 13 37 | 6 0 | 10 54 | 0 31 |
| S 19 | 20 24 | 22 30 | 2 7 | 19 36 | 3 17 | 6 28 | 2 24 | 9 23 | 0 34 | 22 20 | 0 8 | 7 1 | 2 0 | 12 42 | 0 47 | 11 26 | 1 47 | 4 59 | 14 8 | 14 2 | 13 38 | 5 56 | 10 54 | 0 31 |
| S 20 | 20 12 | 17 32 | 0 49 | 19 45 | 3 10 | 6 8 | 2 36 | 9 37 | 0 35 | 22 19 | 0 8 | 6 59 | 2 0 | 12 43 | 0 47 | 11 26 | 1 47 | 4 59 | 14 8 | 14 2 | 13 39 | 5 53 | 10 54 | 0 31 |
| M21 | 19 59 | 11 29 | 0s33 | 19 53 | 3 3 | 5 48 | 2 48 | 9 51 | 0 36 | 22 17 | 0 8 | 6 56 | 2 0 | 12 44 | 0 47 | 11 26 | 1 47 | 4 59 | 14 7 | 14 2 | 13 40 | 5 50 | 10 54 | 0 31 |
| T 22 | 19 45 | 4 49 | 1 | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

FEBRUARY 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|
| F 1 | 8 44 16 | 12° 2'59" | 27° 10' | 16° 34' | 10° R33 | 0° 43' | 21° 17' | 18° 13' | 28° R 5 | 4° 50' | 23° R34 | 22° R23 | 23° 0' | 12° 38' | 29° 55' |
| S 2 | 8 48 12 | 13° 3'52" | 9° 16' | 17° 39' | 10° 30' | 1° 20' | 21° 31' | 18° 20' | 28° 3 | 4° 51' | 23° 34' | 22° 22' | 22° 57' | 12° 45' | 29° 56' |
| S 3 | 8 52 9 | 14° 4'44" | 21° 14' | 18° 38' | 10° 25' | 1° 57' | 21° 44' | 18° 26' | 28° 0 | 4° 52' | 23° 34' | 22° D21 | 22° 54' | 12° 51' | 29° 58' |
| M 4 | 8 56 5 | 15° 5'35" | 3° 7' | 19° 39' | 10° 17' | 2° 34' | 21° 57' | 18° 33' | 27° 58' | 4° 52' | 23° 34' | 22° 22' | 22° 51' | 12° 58' | 29° 59' |
| T 5 | 9 0 2 | 16° 6'25" | 14° 55' | 20° 42' | 10° 7' | 3° 12' | 22° 11' | 18° 39' | 27° 55' | 4° 53' | 23° 34' | 22° 22' | 22° 47' | 13° 5' | 0° 1 |
| W 6 | 9 3 58 | 17° 7'13" | 26° 43' | 21° 48' | 9° 54' | 3° 49' | 22° 24' | 18° 46' | 27° 53' | 4° 54' | 23° D34 | 22° 23' | 22° 44' | 13° 11' | 0° 2 |
| T 7 | 9 7 55 | 18° 8'00" | 8° 36' | 22° 56' | 9° 39' | 4° 26' | 22° 38' | 18° 53' | 27° 50' | 4° 55' | 23° 34' | 22° 23' | 22° 41' | 13° 18' | 0° 4 |
| F 8 | 9 11 52 | 19° 8'45" | 20° 26' | 24° 6' | 9° 21' | 5° 3' | 22° 51' | 18° 59' | 27° 47' | 4° 55' | 23° 34' | 22° 24' | 22° 38' | 13° 25' | 0° 6 |
| S 9 | 9 15 48 | 20° 9'28" | 2° 30' | 25° 18' | 9° 1' | 5° 41' | 23° 4' | 19° 6' | 27° 45' | 4° 56' | 23° 34' | 22° 24' | 22° 35' | 13° 31' | 0° 7 |
| S 10 | 9 19 45 | 21° 10'10" | 14° 48' | 26° 32' | 8° 39' | 6° 18' | 23° 17' | 19° 13' | 27° 42' | 4° 57' | 23° 34' | 22° 24' | 22° 32' | 13° 38' | 0° 9 |
| M 11 | 9 23 41 | 22° 10'51" | 27° 24' | 27° 48' | 8° 14' | 6° 56' | 23° 30' | 19° 20' | 27° 40' | 4° 58' | 23° 34' | 22° 24' | 22° 28' | 13° 45' | 0° 11 |
| T 12 | 9 27 38 | 23° 11'30" | 10° 22' | 29° 4' | 7° 47' | 7° 33' | 23° 44' | 19° 27' | 27° 37' | 4° 59' | 23° 34' | 22° 24' | 22° 25' | 13° 51' | 0° 13 |
| W 13 | 9 31 34 | 24° 12'07" | 23° 45' | 0° 23' | 7° 18' | 8° 10' | 23° 57' | 19° 34' | 27° 34' | 5° 0' | 23° 34' | 22° 24' | 22° 22' | 13° 58' | 0° 15 |
| T 14 | 9 35 31 | 25° 12'42" | 7° 36' | 1° 43' | 6° 48' | 8° 48' | 24° 10' | 19° 41' | 27° 32' | 5° 1' | 23° 35' | 22° 24' | 22° 19' | 14° 5' | 0° 17 |
| F 15 | 9 39 28 | 26° 13'16" | 21° 54' | 3° 4' | 6° 15' | 9° 25' | 24° 23' | 19° 48' | 27° 29' | 5° 2' | 23° 35' | 22° 25' | 22° 16' | 14° 11' | 0° 19 |
| S 16 | 9 43 24 | 27° 13'48" | 6° 35' | 4° 26' | 5° 42' | 10° 3' | 24° 36' | 19° 55' | 27° 26' | 5° 3' | 23° 35' | 22° 25' | 22° 13' | 14° 18' | 0° 21 |
| S 17 | 9 47 21 | 28° 14'18" | 21° 35' | 5° 50' | 5° 7' | 10° 41' | 24° 48' | 20° 2' | 27° 24' | 5° 4' | 23° 35' | 22° R25 | 22° 9' | 14° 25' | 0° 23 |
| M 18 | 9 51 17 | 29° 14'47" | 6° 46' | 7° 15' | 4° 31' | 11° 18' | 25° 1' | 20° 9' | 27° 21' | 5° 5' | 23° 35' | 22° 25' | 22° 6' | 14° 31' | 0° 26 |
| T 19 | 9 55 14 | 0° 15'14" | 21° 57' | 8° 41' | 3° 54' | 11° 56' | 25° 14' | 20° 16' | 27° 18' | 5° 7' | 23° 36' | 22° 25' | 22° 3' | 14° 38' | 0° 28 |
| W 20 | 9 59 10 | 1° 15'39" | 7° 0' | 10° 8' | 3° 16' | 12° 33' | 25° 27' | 20° 23' | 27° 16' | 5° 8' | 23° 36' | 22° 24' | 22° 0' | 14° 45' | 0° 30 |
| T 21 | 10 3 7 | 2° 16'03" | 21° 46' | 11° 36' | 2° 39' | 13° 11' | 25° 39' | 20° 30' | 27° 13' | 5° 9' | 23° 36' | 22° 22' | 21° 57' | 14° 51' | 0° 33 |
| F 22 | 10 7 3 | 3° 16'26" | 6° 9' | 13° 5' | 2° 1' | 13° 48' | 25° 52' | 20° 37' | 27° 11' | 5° 10' | 23° 37' | 22° 21' | 21° 53' | 14° 58' | 0° 35 |
| S 23 | 10 11 0 | 4° 16'47" | 20° 7' | 14° 35' | 1° 24' | 14° 26' | 26° 4' | 20° 45' | 27° 8' | 5° 11' | 23° 37' | 22° 20' | 21° 50' | 15° 5' | 0° 37 |
| S 24 | 10 14 56 | 5° 17'07" | 3° 38' | 16° 7' | 0° 47' | 15° 4' | 26° 17' | 20° 52' | 27° 5' | 5° 13' | 23° 37' | 22° D20 | 21° 47' | 15° 11' | 0° 40 |
| M 25 | 10 18 53 | 6° 17'26" | 16° 46' | 17° 39' | 0° 11' | 15° 41' | 26° 29' | 20° 59' | 27° 3' | 5° 14' | 23° 38' | 22° 20' | 21° 44' | 15° 18' | 0° 42 |
| T 26 | 10 22 50 | 7° 17'43" | 29° 32' | 19° 13' | 29° 36' | 16° 19' | 26° 41' | 21° 6' | 27° 0' | 5° 15' | 23° 38' | 22° 21' | 21° 41' | 15° 25' | 0° 45 |
| W 27 | 10 26 46 | 8° 17'59" | 11° 59' | 20° 47' | 29° 2' | 16° 57' | 26° 53' | 21° 14' | 26° 58' | 5° 17' | 23° 39' | 22° 22' | 21° 38' | 15° 31' | 0° 48 |
| T 28 | 10 30 43 | 9° 18'13" | 24° 13' | 22° 23' | 28° 30' | 17° 35' | 27° 3' | 21° 21' | 26° 55' | 5° 18' | 23° 39' | 22° 24' | 21° 34' | 15° 38' | 0° 50 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|-------------|---------|------------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| F 1 | 17s12 | 22s57 | 2s15 | 21s15 | 1n10 | 2s47 | 5n13 | 12n26 | 0n45 | 21s56 | 0s10 | 6s29 | 1s59 | 12n53 | 0n47 |
| S 2 | 16 54 19 | 6 1 12 | 21 18 | 1 0 | 2 35 | 5 27 | 12 40 | 0 46 | 21 54 | 0 10 | 6 26 | 1 59 | 12 54 | 0 47 | 11 29 |
| S 3 | 16 37 14 | 32 0 6 | 21 21 | 0 49 | 2 24 | 5 41 | 12 53 | 0 46 | 21 52 | 0 10 | 6 24 | 1 58 | 12 55 | 0 47 | 11 29 |
| M 4 | 16 19 9 | 27 0n59 | 21 22 | 0 39 | 2 15 | 5 54 | 13 7 | 0 47 | 21 50 | 0 10 | 6 21 | 1 58 | 12 56 | 0 47 | 11 29 |
| T 5 | 16 1 4 4 | 2 2 21 | 23 0 29 | 2 6 | 6 8 | 13 20 | 0 48 | 21 48 | 0 10 | 6 18 | 1 58 | 12 56 | 0 47 | 11 30 | 1 46 |
| W 6 | 15 43 1n26 | 3 0 21 | 22 0 20 | 1 58 | 6 21 | 13 34 | 0 49 | 21 46 | 0 10 | 6 16 | 1 58 | 12 57 | 0 47 | 11 30 | 1 46 |
| T 7 | 15 24 6 54 | 3 50 21 | 20 0 10 | 1 52 | 6 34 | 13 47 | 0 49 | 21 43 | 0 10 | 6 13 | 1 58 | 12 58 | 0 47 | 11 30 | 1 46 |
| F 8 | 15 6 12 9 | 4 30 21 | 18 0 1 | 1 47 | 6 47 | 14 0 | 0 50 | 21 41 | 0 10 | 6 10 | 1 58 | 12 59 | 0 47 | 11 31 | 1 46 |
| S 9 | 14 47 17 2 | 4 59 21 | 13 0s 8 | 1 43 | 6 59 | 14 13 | 0 51 | 21 39 | 0 10 | 6 8 | 1 58 | 13 0 | 0 47 | 11 31 | 1 46 |
| S 10 | 14 27 21 18 | 5 15 21 | 8 0 17 | 1 40 | 7 11 | 14 26 | 0 51 | 21 37 | 0 11 | 6 5 | 1 58 | 13 1 | 0 47 | 11 31 | 1 46 |
| M 11 | 14 8 24 44 | 5 17 21 | 2 0 25 | 1 38 | 7 23 | 14 39 | 0 52 | 21 35 | 0 11 | 6 2 | 1 58 | 13 2 | 0 47 | 11 32 | 1 46 |
| T 12 | 13 48 27 0 | 5 3 20 | 54 0 33 | 1 38 | 7 34 | 14 52 | 0 53 | 21 33 | 0 11 | 5 59 | 1 58 | 13 3 | 0 47 | 11 32 | 1 46 |
| W 13 | 13 28 27 50 | 4 32 20 | 45 0 41 | 1 39 | 7 44 | 15 5 | 0 53 | 21 31 | 0 11 | 5 57 | 1 58 | 13 4 | 0 47 | 11 32 | 1 46 |
| T 14 | 13 8 26 58 | 3 44 20 | 35 0 49 | 1 41 | 7 54 | 15 18 | 0 54 | 21 29 | 0 11 | 5 54 | 1 58 | 13 5 | 0 47 | 11 33 | 1 46 |
| F 15 | 12 47 24 20 | 2 42 20 | 24 0 56 | 1 44 | 8 3 | 15 30 | 0 55 | 21 26 | 0 11 | 5 51 | 1 58 | 13 6 | 0 47 | 11 33 | 1 45 |
| S 16 | 12 27 20 3 | 1 27 20 | 11 1 3 | 1 48 | 8 11 | 15 43 | 0 55 | 21 24 | 0 11 | 5 48 | 1 58 | 13 6 | 0 47 | 11 34 | 1 45 |
| S 17 | 12 6 14 23 | 0 5 19 | 57 1 10 | 1 54 | 8 19 | 15 55 | 0 56 | 21 22 | 0 11 | 5 45 | 1 58 | 13 7 | 0 47 | 11 34 | 1 45 |
| M 18 | 11 45 7 49 | 1s19 | 19 42 1 16 | 2 1 | 8 25 | 16 7 | 0 56 | 21 20 | 0 11 | 5 43 | 1 58 | 13 8 | 0 47 | 11 34 | 1 45 |
| T 19 | 11 23 0 47 | 2 37 19 | 26 1 22 | 2 9 | 8 31 | 16 20 | 0 57 | 21 18 | 0 12 | 5 40 | 1 58 | 13 9 | 0 47 | 11 35 | 1 45 |
| W 20 | 11 2 6s12 | 3 43 19 | 8 1 28 | 2 17 | 8 36 | 16 32 | 0 57 | 21 16 | 0 12 | 5 37 | 1 58 | 13 10 | 0 47 | 11 35 | 1 45 |
| T 21 | 10 41 12 42 | 4 33 18 | 49 1 33 | 2 27 | 8 39 | 16 44 | 0 58 | 21 13 | 0 12 | 5 34 | 1 58 | 13 11 | 0 47 | 11 36 | 1 45 |
| F 22 | 10 19 18 22 | 5 5 18 | 29 1 39 | 2 38 | 8 42 | 16 55 | 0 58 | 21 11 | 0 12 | 5 31 | 1 58 | 13 12 | 0 47 | 11 36 | 1 45 |
| S 23 | 9 57 22 52 | 5 17 18 | 7 1 43 | 2 49 | 8 44 | 17 7 | 0 59 | 21 9 | 0 12 | 5 28 | 1 58 | 13 13 | 0 47 | 11 37 | 1 45 |
| S 24 | 9 35 25 59 | 5 11 17 | 44 1 48 | 3 1 | 8 45 | 17 19 | 0 59 | 21 7 | 0 12 | 5 25 | 1 58 | 13 14 | 0 47 | 11 37 | 1 45 |
| M 25 | 9 13 27 35 | 4 49 17 | 20 1 52 | 3 13 | 8 45 | 17 30 | 1 0 | 21 4 | 0 12 | 5 23 | 1 58 | 13 15 | 0 47 | 11 38 | 1 45 |
| T 26 | 8 50 27 40 | 4 13 16 | 54 1 55 | 3 26 | 8 43 | 17 42 | 1 0 | 21 2 | 0 12 | 5 20 | 1 58 | 13 15 | 0 47 | 11 38 | 1 45 |
| W 27 | 8 28 26 20 | 3 26 16 | 27 1 59 | 3 40 | 8 41 | 17 53 | 1 1 | 21 0 | 0 13 | 5 17 | 1 58 | 13 16 | 0 47 | 11 39 | 1 45 |
| T 28 | 8s 5 23s45 | 2s30 | 15s59 | 2s 2 | 3s53 | 8n38 | 18n 4 | 1n 1 | 20s58 | 0s13 | 5s14 | 1s58 | 13n17 | 0n47 | 11n39 |

Julian Day Number = 2407016.5, Delta T = -4.84 sec
 Ecliptic obliquity = 23°27'26", Nutation = 0°00'12"
 Ayanamsha: Fagan/Bradley = 23°02'16", Lahiri = 22°09'16"

SWISS EPHEMERIS for the year 1878

MARCH 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|--------|-------|-------|-------|--------|------|-------|--------|-------|-------|------|
| F 1 | 10 34 39 | 10♌18'26 | 6♋16 | 23♋59 | 27°R59 | 18♌12 | 27♌18 | 21♌28 | 26°R53 | 5♌20 | 23♌39 | 22♋25 | 21♋31 | 15♌45 | 0♌53 |
| S 2 | 10 38 36 | 11°18'36 | 18°11 | 25°37 | 27♋31 | 18°50 | 27°30 | 21°36 | 26♌50 | 5°21 | 23°40 | 22°R26 | 21°28 | 15°51 | 0°56 |
| S 3 | 10 42 32 | 12°18'45 | 0♌2 | 27°15 | 27°4 | 19°28 | 27°42 | 21°43 | 26°47 | 5°23 | 23°40 | 22°26 | 21°25 | 15°58 | 0°59 |
| M 4 | 10 46 29 | 13°18'52 | 11°50 | 28°55 | 26°39 | 20°6 | 27°53 | 21°50 | 26°45 | 5°24 | 23°41 | 22°25 | 21°22 | 16°5 | 1°1 |
| T 5 | 10 50 25 | 14°18'58 | 23°38 | 0♌36 | 26°16 | 20°43 | 28°5 | 21°58 | 26°43 | 5°26 | 23°42 | 22°22 | 21°18 | 16°11 | 1°4 |
| W 6 | 10 54 22 | 15°19'01 | 5♌28 | 2°18 | 25°56 | 21°21 | 28°17 | 22°5 | 26°40 | 5°27 | 23°42 | 22°19 | 21°15 | 16°18 | 1°7 |
| T 7 | 10 58 19 | 16°19'03 | 17°21 | 4°1 | 25°37 | 21°59 | 28°28 | 22°12 | 26°38 | 5°29 | 23°43 | 22°15 | 21°12 | 16°24 | 1°10 |
| F 8 | 11 2 15 | 17°19'02 | 29°21 | 5°45 | 25°22 | 22°37 | 28°40 | 22°20 | 26°35 | 5°31 | 23°43 | 22°10 | 21°9 | 16°31 | 1°13 |
| S 9 | 11 6 12 | 18°18'59 | 11♌30 | 7°30 | 25°8 | 23°15 | 28°51 | 22°27 | 26°33 | 5°32 | 23°44 | 22°6 | 21°6 | 16°38 | 1°16 |
| S 10 | 11 10 8 | 19°18'54 | 23°49 | 9°17 | 24°58 | 23°53 | 29°3 | 22°35 | 26°30 | 5°34 | 23°45 | 22°3 | 21°3 | 16°44 | 1°19 |
| M11 | 11 14 5 | 20°18'48 | 6♌24 | 11°5 | 24°49 | 24°30 | 29°14 | 22°42 | 26°28 | 5°36 | 23°45 | 22°1 | 20°59 | 16°51 | 1°22 |
| T 12 | 11 18 1 | 21°18'38 | 19°17 | 12°53 | 24°43 | 25°8 | 29°25 | 22°49 | 26°26 | 5°37 | 23°46 | 22°D 0 | 20°56 | 16°58 | 1°26 |
| W13 | 11 21 58 | 22°18'27 | 2♌32 | 14°43 | 24°40 | 25°46 | 29°36 | 22°57 | 26°23 | 5°39 | 23°47 | 22°0 | 20°53 | 17°4 | 1°29 |
| T 14 | 11 25 54 | 23°18'14 | 16°30 | 16°34 | 24°D39 | 26°24 | 29°47 | 23°4 | 26°21 | 5°41 | 23°47 | 22°1 | 20°50 | 17°11 | 1°32 |
| F 15 | 11 29 51 | 24°17'58 | 0♌15 | 18°27 | 24°40 | 27°2 | 29°58 | 23°12 | 26°19 | 5°43 | 23°48 | 22°3 | 20°47 | 17°18 | 1°35 |
| S 16 | 11 33 48 | 25°17'39 | 14°44 | 20°20 | 24°44 | 27°40 | 0♌9 | 23°19 | 26°17 | 5°44 | 23°49 | 22°R 4 | 20°44 | 17°24 | 1°38 |
| S 17 | 11 37 44 | 26°17'19 | 29°36 | 22°15 | 24°50 | 28°18 | 0°19 | 23°27 | 26°15 | 5°46 | 23°50 | 22°4 | 20°40 | 17°31 | 1°42 |
| M18 | 11 41 41 | 27°16'56 | 14♌44 | 24°10 | 24°58 | 28°56 | 0°30 | 23°34 | 26°12 | 5°48 | 23°51 | 22°2 | 20°37 | 17°38 | 1°45 |
| T 19 | 11 45 37 | 28°16'31 | 29°59 | 26°7 | 25°8 | 29°33 | 0°40 | 23°41 | 26°10 | 5°50 | 23°51 | 21°59 | 20°34 | 17°44 | 1°48 |
| W20 | 11 49 34 | 29°16'05 | 15♌12 | 28°5 | 25°21 | 0♌11 | 0°51 | 23°49 | 26°8 | 5°52 | 23°52 | 21°54 | 20°31 | 17°51 | 1°52 |
| T 21 | 11 53 30 | 0♌15'36 | 0♌11 | 0♌4 | 25°36 | 0°49 | 1°1 | 23°56 | 26°6 | 5°54 | 23°53 | 21°48 | 20°28 | 17°58 | 1°55 |
| F 22 | 11 57 27 | 1°15'05 | 14°49 | 2°4 | 25°52 | 1°27 | 1°11 | 24°4 | 26°4 | 5°56 | 23°54 | 21°43 | 20°24 | 18°4 | 1°59 |
| S 23 | 12 1 23 | 2°14'33 | 29°0 | 4°5 | 26°11 | 2°5 | 1°21 | 24°11 | 26°2 | 5°58 | 23°55 | 21°38 | 20°21 | 18°11 | 2°2 |
| S 24 | 12 5 20 | 3°13'59 | 12♌42 | 6°6 | 26°32 | 2°43 | 1°31 | 24°18 | 26°0 | 5°59 | 23°56 | 21°34 | 20°18 | 18°18 | 2°6 |
| M25 | 12 9 17 | 4°13'23 | 25°54 | 8°8 | 26°54 | 3°21 | 1°41 | 24°26 | 25°58 | 6°1 | 23°57 | 21°32 | 20°15 | 18°24 | 2°9 |
| T 26 | 12 13 13 | 5°12'46 | 8♌42 | 10°10 | 27°18 | 3°59 | 1°51 | 24°33 | 25°56 | 6°3 | 23°58 | 21°D32 | 20°12 | 18°31 | 2°13 |
| W27 | 12 17 10 | 6°12'06 | 21°7 | 12°13 | 27°44 | 4°36 | 2°1 | 24°40 | 25°55 | 6°5 | 23°59 | 21°32 | 20°9 | 18°38 | 2°16 |
| T 28 | 12 21 6 | 7°11'25 | 3♌16 | 14°15 | 28°12 | 5°14 | 2°10 | 24°48 | 25°53 | 6°7 | 24°0 | 21°34 | 20°5 | 18°44 | 2°20 |
| F 29 | 12 25 3 | 8°10'42 | 15°13 | 16°17 | 28°41 | 5°52 | 2°19 | 24°55 | 25°51 | 6°10 | 24°0 | 21°35 | 20°2 | 18°51 | 2°23 |
| S 30 | 12 28 59 | 9°9'57 | 27°3 | 18°18 | 29°12 | 6°30 | 2°29 | 25°2 | 25°49 | 6°12 | 24°1 | 21°R35 | 19°59 | 18°58 | 2°27 |
| S 31 | 12 32 56 | 10♌9'11 | 8♌50 | 20♌19 | 29♋44 | 7♌8 | 2♌38 | 25♌10 | 25♌48 | 6♌14 | 24♌2 | 21♌33 | 19♋56 | 19♌4 | 2♌31 |

| Day | ☉ | | ☽ | | ♀ | | ♁ | | ♂ | | ♃ | | ♅ | | ♁ | | ♁ | | ♁ | | ♁ | | | |
|------|-----------|----------|-------|-------|------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | |
| F 1 | 7s43 | 20s 9 | 1s28 | 15s29 | 2s 4 | 4s 7 | 8n35 | 18n15 | 1n 2 | 20s56 | 0s13 | 5s11 | 1s58 | 13n18 | 0n47 | 11n40 | 1s45 | 5n12 | 13s55 | 14s 3 | 14s20 | 3s41 | 11n17 | 0s33 |
| S 2 | 7 20 15 | 20 15 46 | 0 23 | 14 58 | 2 6 | 4 21 | 8 30 | 18 26 | 1 2 | 20 53 | 0 13 | 5 8 | 1 58 | 13 19 | 0 47 | 11 40 | 1 45 | 5 12 | 13 55 | 14 3 | 14 21 | 3 37 | 11 18 | 0 33 |
| S 3 | 6 57 10 | 49 0n22 | 14 26 | 2 8 | 4 35 | 8 24 | 18 37 | 1 3 | 20 51 | 0 13 | 5 5 | 1 58 | 13 20 | 0 47 | 11 41 | 1 45 | 5 13 | 13 54 | 14 3 | 14 23 | 3 34 | 11 19 | 0 33 | |
| M 4 | 6 34 5 | 31 1 45 | 13 53 | 2 9 | 4 49 | 8 18 | 18 48 | 1 3 | 20 49 | 0 13 | 5 2 | 1 58 | 13 21 | 0 47 | 11 41 | 1 45 | 5 13 | 13 54 | 14 3 | 14 24 | 3 31 | 11 19 | 0 33 | |
| T 5 | 6 11 0 | 1 2 44 | 13 18 | 2 10 | 5 3 | 8 12 | 18 58 | 1 3 | 20 47 | 0 13 | 4 59 | 1 58 | 13 21 | 0 47 | 11 42 | 1 45 | 5 14 | 13 54 | 14 4 | 14 25 | 3 27 | 11 20 | 0 33 | |
| W 6 | 5 47 5 | 2n28 | 3 35 | 12 42 | 2 11 | 5 17 | 8 4 | 19 8 | 1 4 | 20 44 | 0 13 | 4 57 | 1 58 | 13 22 | 0 47 | 11 42 | 1 45 | 5 14 | 13 53 | 14 5 | 14 26 | 3 24 | 11 21 | 0 33 |
| T 7 | 5 24 10 | 47 4 18 | 12 4 | 2 11 | 5 30 | 7 56 | 19 19 | 1 4 | 20 42 | 0 14 | 4 54 | 1 58 | 13 23 | 0 47 | 11 43 | 1 44 | 5 14 | 13 53 | 14 6 | 14 27 | 3 21 | 11 22 | 0 33 | |
| F 8 | 5 1 15 | 45 4 49 | 11 26 | 2 11 | 5 43 | 7 48 | 19 29 | 1 5 | 20 40 | 0 14 | 4 51 | 1 58 | 13 24 | 0 47 | 11 44 | 1 44 | 5 15 | 13 53 | 14 8 | 14 28 | 3 17 | 11 23 | 0 33 | |
| S 9 | 4 37 20 | 10 5 8 | 10 46 | 2 10 | 5 56 | 7 39 | 19 39 | 1 5 | 20 38 | 0 14 | 4 48 | 1 58 | 13 25 | 0 47 | 11 44 | 1 44 | 5 15 | 13 53 | 14 9 | 14 29 | 3 14 | 11 24 | 0 33 | |
| S 10 | 4 14 23 | 48 5 14 | 10 5 | 2 8 | 6 9 | 7 29 | 19 49 | 1 5 | 20 36 | 0 14 | 4 45 | 1 58 | 13 26 | 0 47 | 11 45 | 1 44 | 5 16 | 13 52 | 14 10 | 14 30 | 3 11 | 11 25 | 0 33 | |
| M11 | 3 50 26 | 23 5 4 | 9 22 | 2 7 | 6 21 | 7 20 | 19 58 | 1 6 | 20 33 | 0 14 | 4 42 | 1 58 | 13 26 | 0 47 | 11 45 | 1 44 | 5 16 | 13 52 | 14 11 | 14 31 | 3 7 | 11 26 | 0 33 | |
| T 12 | 3 27 20 | 47 4 39 | 8 38 | 2 4 | 6 32 | 7 10 | 20 8 | 1 6 | 20 31 | 0 14 | 4 39 | 1 58 | 13 27 | 0 47 | 11 46 | 1 44 | 5 17 | 13 52 | 14 11 | 14 32 | 3 4 | 11 27 | 0 33 | |
| W13 | 3 3 27 | 25 3 59 | 7 53 | 2 2 | 6 43 | 6 59 | 20 18 | 1 7 | 20 29 | 0 14 | 4 36 | 1 58 | 13 28 | 0 47 | 11 47 | 1 44 | 5 17 | 13 51 | 14 11 | 14 33 | 3 1 | 11 28 | 0 33 | |
| T 14 | 2 40 25 | 31 3 4 | 7 7 | 1 58 | 6 53 | 6 49 | 20 27 | 1 7 | 20 27 | 0 14 | 4 33 | 1 58 | 13 29 | 0 47 | 11 47 | 1 44 | 5 18 | 13 51 | 14 11 | 14 34 | 2 57 | 11 30 | 0 33 | |
| F 15 | 2 16 22 | 1 1 57 | 6 20 | 1 55 | 7 3 | 6 38 | 20 36 | 1 7 | 20 25 | 0 15 | 4 30 | 1 58 | 13 29 | 0 47 | 11 48 | 1 44 | 5 18 | 13 51 | 14 10 | 14 35 | 2 54 | 11 31 | 0 34 | |
| S 16 | 1 52 17 | 4 0 40 | 5 31 | 1 50 | 7 12 | 6 27 | 20 45 | 1 8 | 20 22 | 0 15 | 4 27 | 1 58 | 13 30 | 0 47 | 11 48 | 1 44 | 5 18 | 13 51 | 14 10 | 14 36 | 2 51 | 11 32 | 0 34 | |
| S 17 | 1 29 10 | 59 0s41 | 4 42 | 1 46 | 7 20 | 6 16 | 20 54 | 1 8 | 20 20 | 0 15 | 4 25 | 1 58 | 13 31 | 0 47 | 11 49 | 1 44 | 5 19 | 13 50 | 14 10 | 14 37 | 2 47 | 11 33 | 0 34 | |
| M18 | 1 5 4 | 10 2 1 | 3 51 | 1 40 | 7 28 | 6 5 | 21 3 | 1 8 | 20 18 | 0 15 | 4 22 | 1 58 | 13 32 | 0 47 | 11 50 | 1 44 | 5 19 | 13 50 | 14 10 | 14 38 | 2 44 | 11 34 | 0 34 | |
| T 19 | 0 41 2s56 | 3 12 | 2 59 | 1 34 | 7 35 | 5 54 | 21 11 | 1 8 | 20 16 | 0 15 | 4 19 | 1 58 | 13 32 | 0 47 | 11 50 | 1 44 | 5 20 | 13 50 | 14 11 | 14 39 | 2 41 | 11 35 | 0 34 | |
| W20 | 0 17 9 | 49 4 10 | 2 6 | 1 28 | 7 42 | 5 43 | 21 20 | 1 9 | 20 14 | 0 15 | 4 16 | 1 58 | 13 33 | 0 47 | 11 51 | 1 44 | 5 20 | 13 49 | 14 13 | 14 40 | 2 38 | 11 36 | 0 34 | |
| T 21 | 0n 6 16 | 3 4 49 | 1 13 | 1 21 | 7 47 | 5 31 | 21 28 | 1 9 | 20 12 | 0 15 | 4 13 | 1 58 | 13 34 | 0 47 | 11 52 | 1 44 | 5 21 | 13 49 | 14 15 | 14 41 | 2 34 | 11 37 | 0 34 | |
| F 22 | 0 30 21 | 12 5 8 | 0 18 | 1 14 | 7 53 | 5 20 | 21 36 | 1 9 | 20 10 | 0 16 | 4 10 | 1 58 | 13 34 | 0 47 | 11 52 | 1 44 | 5 21 | 13 49 | 14 17 | 14 42 | 2 31 | 11 38 | 0 34 | |
| S 23 | 0 54 24 | 57 5 8 | 0n37 | 1 6 | 7 57 | 5 9 | 21 44 | 1 10 | 20 8 | 0 16 | 4 7 | 1 58 | 13 35 | 0 47 | 11 53 | 1 44 | 5 22 | 13 49 | 14 18 | 14 43 | 2 28 | 11 39 | 0 34 | |
| S 24 | 1 17 27 | 8 4 50 | 1 33 | 0 57 | 8 0 | 4 58 | 21 52 | 1 10 | 20 6 | 0 16 | 4 4 | 1 58 | 13 36 | 0 47 | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

APRIL 1878

00:00 UT

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

| Day | ☉ | | ☽ | | ♀ | | ♁ | | ♂ | | ♃ | | ♅ | | ♁ | | ♁ | | ♁ | | ♁ | | | |
|------|---------|-------|-------|-------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | |
| M 1 | 4n25 | 1s25 | 2n30 | 9n 6 | 0n26 | 8s 4 | 3n32 | 22n48 | 1n12 | 19s50 | 0s17 | 3s42 | 1s59 | 13n40 | 0n47 | 11n59 | 1s44 | 5n26 | 13s47 | 14s21 | 14s52 | 1s58 | 11n50 | 0s35 |
| T 2 | 4 48 | 4n 4 | 3 22 | 10 0 | 0 38 | 8 2 | 3 22 | 22 54 | 1 12 | 19 48 | 0 17 | 3 39 | 1 59 | 13 41 | 0 46 | 12 0 | 1 44 | 5 26 | 13 46 | 14 23 | 14 53 | 1 54 | 11 51 | 0 35 |
| W 3 | 5 11 | 9 26 | 4 5 | 10 53 | 0 49 | 7 58 | 3 12 | 23 1 | 1 12 | 19 46 | 0 17 | 3 36 | 1 59 | 13 41 | 0 46 | 12 1 | 1 44 | 5 26 | 13 46 | 14 26 | 14 54 | 1 51 | 11 52 | 0 35 |
| T 4 | 5 34 | 14 30 | 4 38 | 11 45 | 1 1 | 7 54 | 3 2 | 23 7 | 1 12 | 19 44 | 0 17 | 3 33 | 1 59 | 13 42 | 0 46 | 12 1 | 1 44 | 5 27 | 13 46 | 14 29 | 14 55 | 1 48 | 11 54 | 0 35 |
| F 5 | 5 57 | 19 4 | 4 58 | 12 35 | 1 12 | 7 50 | 2 52 | 23 12 | 1 13 | 19 42 | 0 18 | 3 31 | 1 59 | 13 42 | 0 46 | 12 2 | 1 43 | 5 27 | 13 46 | 14 32 | 14 56 | 1 44 | 11 55 | 0 35 |
| S 6 | 6 19 | 22 54 | 5 5 | 13 23 | 1 24 | 7 45 | 2 42 | 23 18 | 1 13 | 19 40 | 0 18 | 3 28 | 1 59 | 13 43 | 0 46 | 12 3 | 1 43 | 5 28 | 13 45 | 14 35 | 14 57 | 1 41 | 11 56 | 0 35 |
| S 7 | 6 42 | 25 43 | 4 58 | 14 9 | 1 35 | 7 39 | 2 33 | 23 23 | 1 13 | 19 39 | 0 18 | 3 25 | 1 59 | 13 43 | 0 46 | 12 4 | 1 43 | 5 28 | 13 45 | 14 38 | 14 58 | 1 38 | 11 57 | 0 35 |
| M 8 | 7 5 27 | 18 4 | 4 36 | 14 52 | 1 45 | 7 32 | 2 24 | 23 29 | 1 13 | 19 37 | 0 18 | 3 22 | 2 0 | 13 43 | 0 46 | 12 4 | 1 43 | 5 29 | 13 45 | 14 40 | 14 59 | 1 35 | 11 58 | 0 35 |
| T 9 | 7 27 | 27 26 | 3 59 | 15 34 | 1 55 | 7 25 | 2 14 | 23 34 | 1 13 | 19 35 | 0 18 | 3 20 | 2 0 | 13 44 | 0 46 | 12 5 | 1 43 | 5 29 | 13 45 | 14 42 | 15 0 | 1 31 | 12 0 | 0 35 |
| W10 | 7 49 | 26 2 | 3 9 | 16 13 | 2 5 | 7 18 | 2 5 | 23 39 | 1 13 | 19 34 | 0 18 | 3 17 | 2 0 | 13 44 | 0 46 | 12 6 | 1 43 | 5 30 | 13 45 | 14 42 | 15 1 | 1 28 | 12 1 | 0 35 |
| T 11 | 8 11 | 23 6 | 2 8 | 16 49 | 2 14 | 7 10 | 1 56 | 23 44 | 1 14 | 19 32 | 0 19 | 3 14 | 2 0 | 13 45 | 0 46 | 12 6 | 1 43 | 5 30 | 13 44 | 14 42 | 15 2 | 1 25 | 12 2 | 0 35 |
| F 12 | 8 33 | 18 46 | 0 57 | 17 23 | 2 22 | 7 1 | 1 48 | 23 48 | 1 14 | 19 30 | 0 19 | 3 12 | 2 0 | 13 45 | 0 46 | 12 7 | 1 43 | 5 31 | 13 44 | 14 42 | 15 3 | 1 21 | 12 3 | 0 35 |
| S 13 | 8 55 | 13 17 | 0s18 | 17 53 | 2 29 | 6 52 | 1 39 | 23 53 | 1 14 | 19 29 | 0 19 | 3 9 | 2 0 | 13 45 | 0 46 | 12 8 | 1 43 | 5 31 | 13 44 | 14 42 | 15 4 | 1 18 | 12 5 | 0 35 |
| S 14 | 9 17 | 6 57 | 1 35 | 18 22 | 2 36 | 6 42 | 1 31 | 23 57 | 1 14 | 19 27 | 0 19 | 3 6 | 2 0 | 13 46 | 0 46 | 12 9 | 1 43 | 5 31 | 13 44 | 14 42 | 15 5 | 1 15 | 12 6 | 0 36 |
| M15 | 9 39 | 0 8 | 2 46 | 18 47 | 2 41 | 6 31 | 1 22 | 24 1 | 1 14 | 19 25 | 0 19 | 3 4 | 2 0 | 13 46 | 0 46 | 12 9 | 1 43 | 5 32 | 13 44 | 14 44 | 15 6 | 1 11 | 12 7 | 0 36 |
| T 16 | 10 0 | 6s45 | 3 46 | 19 9 | 2 46 | 6 20 | 1 14 | 24 5 | 1 14 | 19 24 | 0 19 | 3 1 | 2 0 | 13 46 | 0 46 | 12 10 | 1 43 | 5 32 | 13 44 | 14 46 | 15 7 | 1 8 | 12 8 | 0 36 |
| W17 | 10 21 | 13 16 | 4 31 | 19 29 | 2 50 | 6 9 | 1 6 | 24 8 | 1 15 | 19 22 | 0 20 | 2 59 | 2 1 | 13 46 | 0 46 | 12 11 | 1 43 | 5 33 | 13 43 | 14 48 | 15 8 | 1 5 | 12 9 | 0 36 |
| T 18 | 10 42 | 18 57 | 4 57 | 19 45 | 2 53 | 5 57 | 0 59 | 24 12 | 1 15 | 19 21 | 0 20 | 2 56 | 2 1 | 13 47 | 0 46 | 12 12 | 1 43 | 5 33 | 13 43 | 14 51 | 15 9 | 1 1 | 12 11 | 0 36 |
| F 19 | 11 3 | 23 23 | 5 2 | 19 59 | 2 54 | 5 44 | 0 51 | 24 15 | 1 15 | 19 20 | 0 20 | 2 53 | 2 1 | 13 47 | 0 46 | 12 12 | 1 43 | 5 34 | 13 43 | 14 55 | 15 10 | 0 58 | 12 12 | 0 36 |
| S 20 | 11 24 | 26 16 | 4 49 | 20 10 | 2 55 | 5 31 | 0 44 | 24 18 | 1 15 | 19 18 | 0 20 | 2 51 | 2 1 | 13 47 | 0 46 | 12 13 | 1 43 | 5 34 | 13 43 | 14 58 | 15 11 | 0 55 | 12 13 | 0 36 |
| S 21 | 11 44 | 27 27 | 4 18 | 20 18 | 2 54 | 5 18 | 0 36 | 24 21 | 1 15 | 19 17 | 0 20 | 2 48 | 2 1 | 13 47 | 0 46 | 12 14 | 1 43 | 5 34 | 13 43 | 15 0 | 15 12 | 0 52 | 12 14 | 0 36 |
| M22 | 12 5 26 | 58 3 | 3 35 | 20 23 | 2 52 | 5 4 | 0 29 | 24 24 | 1 15 | 19 16 | 0 20 | 2 46 | 2 1 | 13 47 | 0 46 | 12 15 | 1 43 | 5 35 | 13 43 | 15 2 | 15 13 | 0 48 | 12 16 | 0 36 |
| T 23 | 12 25 | 25 2 | 2 42 | 20 25 | 2 49 | 4 50 | 0 22 | 24 27 | 1 15 | 19 14 | 0 21 | 2 43 | 2 1 | 13 48 | 0 46 | 12 15 | 1 43 | 5 35 | 13 43 | 15 3 | 15 14 | 0 45 | 12 17 | 0 36 |
| W24 | 12 45 | 21 55 | 1 42 | 20 25 | 2 44 | 4 35 | 0 15 | 24 29 | 1 15 | 19 13 | 0 21 | 2 41 | 2 2 | 13 48 | 0 46 | 12 16 | 1 43 | 5 36 | 13 42 | 15 3 | 15 15 | 0 42 | 12 18 | 0 36 |
| T 25 | 13 5 17 | 54 0 | 40 20 | 21 2 | 2 38 | 4 20 | 0 9 | 24 31 | 1 15 | 19 12 | 0 21 | 2 39 | 2 2 | 13 48 | 0 46 | 12 17 | 1 43 | 5 36 | 13 42 | 15 3 | 15 16 | 0 38 | 12 19 | 0 36 |
| F 26 | 13 24 | 13 14 | 0n24 | 20 15 | 2 31 | 4 4 | 0 2 | 24 33 | 1 15 | 19 11 | 0 21 | 2 36 | 2 2 | 13 48 | 0 46 | 12 18 | 1 43 | 5 36 | 13 42 | 15 3 | 15 17 | 0 35 | 12 21 | 0 36 |
| S 27 | 13 43 | 8 9 | 1 25 | 20 6 | 2 23 | 3 48 | 0s 4 | 24 35 | 1 16 | 19 10 | 0 21 | 2 34 | 2 2 | 13 48 | 0 46 | 12 18 | 1 43 | 5 37 | 13 42 | 15 3 | 15 18 | 0 32 | 12 22 | 0 37 |
| S 28 | 14 3 | 2 48 | 2 23 | 19 55 | 2 13 | 3 32 | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

MAY 1878

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|----------|-------------------------|---------------------|---------------------|---------------------|----------------------|--------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|
| W 1 | 14 35 9 | 10 ^h 28'06" | 23 ^h Y 8 | 19 ^h R11 | 24 ^h X22 | 26 ^h II41 | 6 ^h 13 | 28 ^h X40 | 25 ^h R20 | 7 ^h 22 | 24 ^h 39 | 18 ^h R48 | 18 ^h 17 | 22 ^h X31 | 4 ^h 29 |
| T 2 | 14 39 6 | 11 ^h 26'17" | 5 ^h 21 | 18 ^h 45 | 25 ^h 20 | 27 ^h 19 | 6 ^h 17 | 28 ^h 46 | 25 ^h 20 | 7 ^h 24 | 24 ^h 41 | 18 ^h 35 | 18 ^h 14 | 22 ^h 38 | 4 ^h 33 |
| F 3 | 14 43 2 | 12 ^h 24'27" | 17 ^h 45 | 18 ^h 15 | 26 ^h 18 | 27 ^h 57 | 6 ^h 22 | 28 ^h 52 | 25 ^h D20 | 7 ^h 26 | 24 ^h 42 | 18 ^h 22 | 18 ^h 11 | 22 ^h 44 | 4 ^h 37 |
| S 4 | 14 46 59 | 13 ^h 22'35" | 0 ^h II20 | 17 ^h 43 | 27 ^h 17 | 28 ^h 34 | 6 ^h 26 | 28 ^h 58 | 25 ^h 20 | 7 ^h 29 | 24 ^h 43 | 18 ^h 9 | 18 ^h 8 | 22 ^h 51 | 4 ^h 41 |
| S 5 | 14 50 55 | 14 ^h 20'42" | 13 ^h 6 | 17 ^h 9 | 28 ^h 16 | 29 ^h 12 | 6 ^h 30 | 29 ^h 4 | 25 ^h 20 | 7 ^h 31 | 24 ^h 45 | 17 ^h 57 | 18 ^h 5 | 22 ^h 58 | 4 ^h 44 |
| M 6 | 14 54 52 | 15 ^h 18'47" | 26 ^h 4 | 16 ^h 33 | 29 ^h 15 | 29 ^h 50 | 6 ^h 33 | 29 ^h 10 | 25 ^h 20 | 7 ^h 33 | 24 ^h 46 | 17 ^h 48 | 18 ^h 1 | 23 ^h 4 | 4 ^h 48 |
| T 7 | 14 58 48 | 16 ^h 16'50" | 9 ^h 23 | 15 ^h 56 | 0 ^h Y15 | 0 ^h 28 | 6 ^h 37 | 29 ^h 16 | 25 ^h 20 | 7 ^h 35 | 24 ^h 47 | 17 ^h 42 | 17 ^h 58 | 23 ^h 11 | 4 ^h 52 |
| W 8 | 15 2 45 | 17 ^h 14'51" | 22 ^h 35 | 15 ^h 19 | 1 ^h 15 | 1 ^h 5 | 6 ^h 40 | 29 ^h 22 | 25 ^h 20 | 7 ^h 38 | 24 ^h 49 | 17 ^h 38 | 17 ^h 55 | 23 ^h 18 | 4 ^h 56 |
| T 9 | 15 6 42 | 18 ^h 12'50" | 6 ^h 9 | 14 ^h 43 | 2 ^h 15 | 1 ^h 43 | 6 ^h 43 | 29 ^h 28 | 25 ^h 21 | 7 ^h 40 | 24 ^h 50 | 17 ^h 37 | 17 ^h 52 | 23 ^h 24 | 5 ^h 0 |
| F 10 | 15 10 38 | 19 ^h 10'48" | 19 ^h 58 | 14 ^h 7 | 3 ^h 16 | 2 ^h 21 | 6 ^h 46 | 29 ^h 33 | 25 ^h 21 | 7 ^h 42 | 24 ^h 51 | 17 ^h 37 | 17 ^h 49 | 23 ^h 31 | 5 ^h 4 |
| S 11 | 15 14 35 | 20 ^h 8'43" | 4 ^h 11 | 13 ^h 34 | 4 ^h 17 | 2 ^h 59 | 6 ^h 49 | 29 ^h 39 | 25 ^h 21 | 7 ^h 44 | 24 ^h 53 | 17 ^h 36 | 17 ^h 46 | 23 ^h 38 | 5 ^h 7 |
| S 12 | 15 18 31 | 21 ^h 6'37" | 18 ^h 19 | 13 ^h 2 | 5 ^h 18 | 3 ^h 36 | 6 ^h 52 | 29 ^h 45 | 25 ^h 22 | 7 ^h 47 | 24 ^h 54 | 17 ^h 35 | 17 ^h 42 | 23 ^h 44 | 5 ^h 11 |
| M13 | 15 22 28 | 22 ^h 4'28" | 2 ^h 50 | 12 ^h 33 | 6 ^h 20 | 4 ^h 14 | 6 ^h 54 | 29 ^h 50 | 25 ^h 22 | 7 ^h 49 | 24 ^h 55 | 17 ^h 31 | 17 ^h 39 | 23 ^h 51 | 5 ^h 15 |
| T 14 | 15 26 24 | 23 ^h 2'18" | 17 ^h 29 | 12 ^h 8 | 7 ^h 22 | 4 ^h 52 | 6 ^h 57 | 29 ^h 55 | 25 ^h 23 | 7 ^h 51 | 24 ^h 57 | 17 ^h 24 | 17 ^h 36 | 23 ^h 58 | 5 ^h 19 |
| W15 | 15 30 21 | 24 ^h 0'07" | 2 ^h 11 | 11 ^h 45 | 8 ^h 24 | 5 ^h 30 | 6 ^h 59 | 0 ^h Y 1 | 25 ^h 24 | 7 ^h 53 | 24 ^h 58 | 17 ^h 15 | 17 ^h 33 | 24 ^h 4 | 5 ^h 22 |
| T 16 | 15 34 17 | 24 ^h 57'54" | 16 ^h 47 | 11 ^h 27 | 9 ^h 27 | 6 ^h 7 | 7 ^h 1 | 0 ^h 6 | 25 ^h 24 | 7 ^h 55 | 25 ^h 0 | 17 ^h 4 | 17 ^h 30 | 24 ^h 11 | 5 ^h 26 |
| F 17 | 15 38 14 | 25 ^h 55'39" | 1 ^h 12 | 11 ^h 13 | 10 ^h 29 | 6 ^h 45 | 7 ^h 3 | 0 ^h 11 | 25 ^h 25 | 7 ^h 58 | 25 ^h 1 | 16 ^h 53 | 17 ^h 27 | 24 ^h 18 | 5 ^h 30 |
| S 18 | 15 42 11 | 26 ^h 53'23" | 15 ^h 18 | 11 ^h 3 | 11 ^h 32 | 7 ^h 23 | 7 ^h 4 | 0 ^h 17 | 25 ^h 26 | 8 ^h 0 | 25 ^h 2 | 16 ^h 42 | 17 ^h 23 | 24 ^h 24 | 5 ^h 34 |
| S 19 | 15 46 7 | 27 ^h 51'06" | 29 ^h 1 | 10 ^h 57 | 12 ^h 35 | 8 ^h 0 | 7 ^h 6 | 0 ^h 22 | 25 ^h 27 | 8 ^h 2 | 25 ^h 4 | 16 ^h 33 | 17 ^h 20 | 24 ^h 31 | 5 ^h 37 |
| M20 | 15 50 4 | 28 ^h 48'48" | 12 ^h 31 | 10 ^h D56 | 13 ^h 39 | 8 ^h 38 | 7 ^h 7 | 0 ^h 27 | 25 ^h 27 | 8 ^h 4 | 25 ^h 5 | 16 ^h 27 | 17 ^h 17 | 24 ^h 38 | 5 ^h 41 |
| T 21 | 15 54 0 | 29 ^h 46'29" | 25 ^h 11 | 11 ^h 0 | 14 ^h 42 | 9 ^h 16 | 7 ^h 8 | 0 ^h 32 | 25 ^h 28 | 8 ^h 6 | 25 ^h 6 | 16 ^h 23 | 17 ^h 14 | 24 ^h 44 | 5 ^h 45 |
| W22 | 15 57 57 | 0 ^h II44'08" | 7 ^h 11 | 11 ^h 8 | 15 ^h 46 | 9 ^h 53 | 7 ^h 9 | 0 ^h 37 | 25 ^h 29 | 8 ^h 8 | 25 ^h 8 | 16 ^h 21 | 17 ^h 11 | 24 ^h 51 | 5 ^h 48 |
| T 23 | 16 1 53 | 1 ^h 41'46" | 19 ^h 54 | 11 ^h 20 | 16 ^h 50 | 10 ^h 31 | 7 ^h 9 | 0 ^h 41 | 25 ^h 30 | 8 ^h 10 | 25 ^h 9 | 16 ^h D21 | 17 ^h 7 | 24 ^h 58 | 5 ^h 52 |
| F 24 | 16 5 50 | 2 ^h 39'24" | 1 ^h X53 | 11 ^h 37 | 17 ^h 55 | 11 ^h 9 | 7 ^h 10 | 0 ^h 46 | 25 ^h 31 | 8 ^h 13 | 25 ^h 10 | 16 ^h R21 | 17 ^h 4 | 25 ^h 4 | 5 ^h 55 |
| S 25 | 16 9 46 | 3 ^h 37'00" | 13 ^h 44 | 11 ^h 58 | 18 ^h 59 | 11 ^h 46 | 7 ^h 10 | 0 ^h 51 | 25 ^h 33 | 8 ^h 15 | 25 ^h 12 | 16 ^h 21 | 17 ^h 1 | 25 ^h 11 | 5 ^h 59 |
| S 26 | 16 13 43 | 4 ^h 34'36" | 25 ^h 34 | 12 ^h 24 | 20 ^h 4 | 12 ^h 24 | 7 ^h R10 | 0 ^h 55 | 25 ^h 34 | 8 ^h 17 | 25 ^h 13 | 16 ^h 19 | 16 ^h 58 | 25 ^h 18 | 6 ^h 2 |
| M27 | 16 17 40 | 5 ^h 32'10" | 7 ^h Y25 | 12 ^h 54 | 21 ^h 9 | 13 ^h 2 | 7 ^h 10 | 1 ^h 0 | 25 ^h 35 | 8 ^h 19 | 25 ^h 14 | 16 ^h 14 | 16 ^h 55 | 25 ^h 24 | 6 ^h 6 |
| T 28 | 16 21 36 | 6 ^h 29'44" | 19 ^h 24 | 13 ^h 28 | 22 ^h 14 | 13 ^h 39 | 7 ^h 9 | 1 ^h 4 | 25 ^h 36 | 8 ^h 21 | 25 ^h 16 | 16 ^h 8 | 16 ^h 52 | 25 ^h 31 | 6 ^h 9 |
| W29 | 16 25 33 | 7 ^h 27'17" | 1 ^h X34 | 14 ^h 6 | 23 ^h 19 | 14 ^h 17 | 7 ^h 9 | 1 ^h 9 | 25 ^h 38 | 8 ^h 23 | 25 ^h 17 | 15 ^h 59 | 16 ^h 48 | 25 ^h 38 | 6 ^h 13 |
| T 30 | 16 29 29 | 8 ^h 24'48" | 13 ^h 56 | 14 ^h 48 | 24 ^h 24 | 14 ^h 55 | 7 ^h 8 | 1 ^h 13 | 25 ^h 39 | 8 ^h 25 | 25 ^h 18 | 15 ^h 48 | 16 ^h 45 | 25 ^h 45 | 6 ^h 16 |
| F 31 | 16 33 26 | 9 ^h II22'19" | 26 ^h X33 | 15 ^h X34 | 25 ^h Y30 | 15 ^h 23 | 7 ^h 7 | 1 ^h Y17 | 25 ^h 41 | 8 ^h X27 | 25 ^h X20 | 15 ^h 36 | 16 ^h 42 | 25 ^h X51 | 6 ^h X20 |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ | ♅ | | | | | | | | | |
|------|------------|-------|-------|-------|------|------|-------|-------|---------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| W 1 | 14n58 | 13n11 | 4n31 | 19n 5 | 1n37 | 2s40 | 0s28 | 24n41 | 1n16 | 19s 5 | 0s22 | 2s24 | 2s 3 | 13n48 | 0n45 | 12n21 | 1s43 | 5n38 | 13s42 | 15s12 | 15s22 | 0s18 | 12n27 | 0s37 |
| T 2 | 15 16 17 | 17 54 | 4 52 | 18 44 | 1 23 | 2 22 | 0 33 | 24 42 | 1 16 | 19 4 | 0 22 | 2 22 | 2 3 | 13 48 | 0 45 | 12 22 | 1 43 | 5 39 | 13 42 | 15 16 | 15 22 | 0 15 | 12 28 | 0 37 |
| F 3 | 15 34 21 | 56 5 | 0 18 | 22 1 | 8 2 | 4 0 | 39 24 | 42 1 | 16 19 | 4 0 | 22 2 | 20 2 | 3 13 | 48 0 | 45 12 | 23 1 | 43 5 | 39 13 | 41 15 | 20 15 | 23 0 | 12 12 | 29 0 | 37 0 |
| S 4 | 15 52 25 | 1 4 | 53 17 | 57 0 | 52 1 | 45 0 | 44 24 | 43 1 | 16 19 | 3 0 | 23 2 | 18 2 | 3 13 | 48 0 | 45 12 | 23 1 | 43 5 | 40 13 | 41 15 | 24 15 | 24 0 | 9 12 | 30 0 | 37 0 |
| S 5 | 16 9 26 | 53 4 | 32 17 | 32 0 | 35 1 | 27 0 | 49 24 | 43 1 | 16 19 | 2 0 | 23 2 | 15 2 | 3 13 | 48 0 | 45 12 | 24 1 | 43 5 | 40 13 | 41 15 | 28 15 | 25 0 | 5 12 | 32 0 | 37 0 |
| M 6 | 16 26 27 | 20 3 | 56 17 | 5 0 | 18 1 | 8 0 | 54 24 | 44 1 | 16 19 | 1 0 | 23 2 | 13 2 | 4 13 | 48 0 | 45 12 | 25 1 | 43 5 | 40 13 | 41 15 | 31 15 | 26 0 | 2 12 | 33 0 | 37 0 |
| T 7 | 16 43 26 | 16 3 | 8 16 | 38 0 | 1 0 | 48 0 | 59 24 | 44 1 | 16 19 | 0 0 | 23 2 | 11 2 | 4 13 | 48 0 | 45 12 | 25 1 | 43 5 | 41 13 | 41 15 | 32 15 | 27 0 | 0n 1 | 12 34 | 0 37 |
| W 8 | 17 0 23 | 40 2 | 8 16 | 11 0 | s16 | 0 29 | 1 4 | 24 43 | 1 16 | 19 0 | 0 23 | 2 9 | 2 4 | 13 48 | 0 45 | 12 26 | 1 43 | 5 41 | 13 41 | 15 34 | 15 28 | 0 5 | 12 35 | 0 37 |
| T 9 | 17 16 19 | 43 1 | 0 15 | 44 0 | 34 0 | 9 1 | 8 24 | 43 1 | 16 18 | 59 0 | 24 2 | 7 2 | 4 13 | 48 0 | 45 12 | 27 1 | 43 5 | 41 13 | 41 15 | 34 15 | 29 0 | 8 12 | 36 0 | 37 0 |
| F 10 | 17 32 14 | 38 0 | s12 | 15 17 | 0 51 | 0n11 | 1 13 | 24 42 | 1 16 | 18 59 | 0 24 | 2 5 | 2 4 | 13 47 | 0 45 | 12 28 | 1 43 | 5 42 | 13 41 | 15 34 | 15 30 | 0 11 | 12 38 | 0 38 |
| S 11 | 17 48 8 | 43 1 | 26 14 | 50 1 | 8 0 | 32 1 | 17 24 | 42 1 | 16 18 | 58 0 | 24 2 | 3 2 | 4 13 | 47 0 | 45 12 | 28 1 | 43 5 | 42 13 | 41 15 | 34 15 | 31 0 | 15 12 | 39 0 | 38 0 |
| S 12 | 18 3 2 15 | 2 35 | 14 25 | 1 24 | 0 52 | 1 21 | 24 41 | 1 16 | 18 58 0 | 24 2 | 0 2 | 5 13 | 47 0 | 45 12 | 29 1 | 43 5 | 43 13 | 41 15 | 35 15 | 32 0 | 18 12 | 40 0 | 38 0 | |
| M13 | 18 18 4s24 | 3 35 | 14 1 | 1 40 | 1 13 | 1 25 | 24 40 | 1 16 | 18 57 0 | 24 1 | 58 2 | 5 13 | 47 0 | 45 12 | 30 1 | 43 5 | 43 13 | 41 15 | 36 15 | 33 0 | 21 12 | 41 0 | 38 0 | |
| T 14 | 18 33 10 | 53 4 | 21 13 | 39 1 | 55 1 | 34 1 | 29 24 | 38 1 | 16 18 | 57 0 | 25 1 | 56 2 | 5 13 | 47 0 | 45 12 | 30 1 | 43 5 | 43 13 | 41 15 | 38 15 | 34 0 | 24 12 | 42 0 | 38 0 |
| W15 | 18 47 16 | 46 4 | 5 13 | 19 2 | 10 1 | 55 1 | 32 24 | 37 1 | 16 18 | 56 0 | 25 1 | 55 2 | 5 13 | 46 0 | 45 12 | 31 1 | 43 5 | 44 13 | 41 15 | 41 15 | 35 0 | 28 12 | 44 0 | 38 0 |
| T 16 | 19 1 21 | 40 5 | 1 13 | 1 2 | 23 2 | 17 1 | 36 24 | 35 1 | 16 18 | 56 0 | 25 1 | 53 2 | 5 13 | 46 0 | 45 12 | 32 1 | 43 5 | 44 13 | 41 15 | 44 15 | 36 0 | 31 12 | 45 0 | 38 0 |
| F 17 | 19 15 25 | 10 4 | 5 12 | 44 2 | 35 2 | 38 1 | 39 24 | 33 1 | 16 18 | 56 0 | 25 1 | 51 2 | 6 13 | 46 0 | 45 12 | 32 1 | 43 5 | 44 13 | 41 15 | 47 15 | 37 0 | 34 12 | 46 0 | 38 0 |
| S 18 | 19 29 27 | 2 4 | 24 12 | 30 2 | 47 3 | 0 1 | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

JUNE 1878

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|-----------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|--|
| S 1 | 16 37 22 | 10II19'49 | 9II26 | 16♃23 | 26♂36 | 16♁10 | 7°R 6 | 1°V22 | 25♂42 | 8♃29 | 25♂21 | 15°R25 | 16♁39 | 25♂58 | 6♃23 | | | | | | | | |
| S 2 | 16 41 19 | 11°17'19 | 22°32 | 17°16 | 27°41 | 16°48 | 7° 5 | 1°26 | 25°44 | 8°31 | 25°22 | 15° 15 | 16°36 | 26° 5 | 6°27 | | | | | | | | |
| M 3 | 16 45 15 | 12°14'47 | 5♁51 | 18°13 | 28°47 | 17°25 | 7° 3 | 1°30 | 25°45 | 8°33 | 25°24 | 15° 7 | 16°33 | 26°11 | 6°30 | | | | | | | | |
| T 4 | 16 49 12 | 13°12'14 | 19°22 | 19°13 | 29°54 | 18° 3 | 7° 2 | 1°34 | 25°47 | 8°35 | 25°25 | 15° 2 | 16°29 | 26°18 | 6°33 | | | | | | | | |
| W 5 | 16 53 9 | 14° 9'40 | 3♁ 3 | 20°16 | 1♃ 0 | 18°41 | 7° 0 | 1°37 | 25°49 | 8°37 | 25°26 | 15° 0 | 16°26 | 26°25 | 6°37 | | | | | | | | |
| T 6 | 16 57 5 | 15° 7'05 | 16°52 | 21°23 | 2° 6 | 19°18 | 6°58 | 1°41 | 25°50 | 8°39 | 25°28 | 14°D59 | 16°23 | 26°31 | 6°40 | | | | | | | | |
| F 7 | 17 1 2 | 16° 4'28 | 0♁49 | 22°33 | 3°13 | 19°56 | 6°56 | 1°45 | 25°52 | 8°40 | 25°29 | 15° 0 | 16°20 | 26°38 | 6°43 | | | | | | | | |
| S 8 | 17 4 58 | 17° 1'51 | 14°53 | 23°46 | 4°20 | 20°34 | 6°53 | 1°48 | 25°54 | 8°42 | 25°30 | 15°R 0 | 16°17 | 26°45 | 6°46 | | | | | | | | |
| S 9 | 17 8 55 | 17°59'12 | 29° 3 | 25° 2 | 5°27 | 21°11 | 6°51 | 1°52 | 25°56 | 8°44 | 25°31 | 15° 0 | 16°13 | 26°51 | 6°49 | | | | | | | | |
| M10 | 17 12 51 | 18°56'32 | 13♁19 | 26°21 | 6°34 | 21°49 | 6°48 | 1°55 | 25°58 | 8°46 | 25°33 | 14°57 | 16°10 | 26°58 | 6°52 | | | | | | | | |
| T 11 | 17 16 48 | 19°53'51 | 27°36 | 27°43 | 7°41 | 22°27 | 6°45 | 1°58 | 26° 0 | 8°48 | 25°34 | 14°53 | 16° 7 | 27° 5 | 6°56 | | | | | | | | |
| W12 | 17 20 44 | 20°51'10 | 11♁52 | 29° 9 | 8°48 | 23° 4 | 6°42 | 2° 2 | 26° 2 | 8°50 | 25°35 | 14°46 | 16° 4 | 27°11 | 6°59 | | | | | | | | |
| T 13 | 17 24 41 | 21°48'27 | 26° 3 | 0II37 | 9°55 | 23°42 | 6°38 | 2° 5 | 26° 4 | 8°51 | 25°36 | 14°39 | 16° 1 | 27°18 | 7° 2 | | | | | | | | |
| F 14 | 17 28 38 | 22°45'44 | 10♁ 3 | 2° 8 | 11° 3 | 24°20 | 6°35 | 2° 8 | 26° 6 | 8°53 | 25°38 | 14°30 | 15°58 | 27°25 | 7° 5 | | | | | | | | |
| S 15 | 17 32 34 | 23°43'00 | 23°48 | 3°42 | 12°10 | 24°57 | 6°31 | 2°11 | 26° 8 | 8°55 | 25°39 | 14°22 | 15°54 | 27°31 | 7° 8 | | | | | | | | |
| S 16 | 17 36 31 | 24°40'16 | 7♃14 | 5°20 | 13°18 | 25°35 | 6°27 | 2°14 | 26°10 | 8°57 | 25°40 | 14°16 | 15°51 | 27°38 | 7°10 | | | | | | | | |
| M17 | 17 40 27 | 25°37'31 | 20°21 | 7° 0 | 14°26 | 26°12 | 6°23 | 2°16 | 26°12 | 8°58 | 25°41 | 14°11 | 15°48 | 27°45 | 7°13 | | | | | | | | |
| T 18 | 17 44 24 | 26°34'46 | 3♁ 7 | 8°43 | 15°34 | 26°50 | 6°19 | 2°19 | 26°15 | 9° 0 | 25°42 | 14° 9 | 15°45 | 27°51 | 7°16 | | | | | | | | |
| W19 | 17 48 20 | 27°32'00 | 15°35 | 10°28 | 16°42 | 27°28 | 6°15 | 2°22 | 26°17 | 9° 2 | 25°44 | 14°D 8 | 15°42 | 27°58 | 7°19 | | | | | | | | |
| T 20 | 17 52 17 | 28°29'14 | 27°47 | 12°17 | 17°50 | 28° 5 | 6°10 | 2°24 | 26°19 | 9° 3 | 25°45 | 14° 9 | 15°39 | 28° 5 | 7°22 | | | | | | | | |
| F 21 | 17 56 13 | 29°26'28 | 9♁47 | 14° 8 | 18°58 | 28°43 | 6° 6 | 2°27 | 26°22 | 9° 5 | 25°46 | 14°10 | 15°35 | 28°11 | 7°25 | | | | | | | | |
| S 22 | 18 0 10 | 0♁23'42 | 21°40 | 16° 2 | 20° 6 | 29°21 | 6° 1 | 2°29 | 26°24 | 9° 6 | 25°47 | 14°12 | 15°32 | 28°18 | 7°27 | | | | | | | | |
| S 23 | 18 4 7 | 1°20'55 | 3♂30 | 17°58 | 21°15 | 29°58 | 5°56 | 2°31 | 26°27 | 9° 8 | 25°48 | 14°R12 | 15°29 | 28°25 | 7°30 | | | | | | | | |
| M24 | 18 8 3 | 2°18'09 | 15°24 | 19°57 | 22°23 | 0♁36 | 5°51 | 2°33 | 26°29 | 9° 9 | 25°49 | 14°11 | 15°26 | 28°31 | 7°32 | | | | | | | | |
| T 25 | 18 12 0 | 3°15'22 | 27°25 | 21°58 | 23°32 | 1°14 | 5°45 | 2°35 | 26°32 | 9°11 | 25°51 | 14° 8 | 15°23 | 28°38 | 7°35 | | | | | | | | |
| W26 | 18 15 56 | 4°12'36 | 9♃39 | 24° 1 | 24°41 | 1°51 | 5°40 | 2°37 | 26°34 | 9°12 | 25°52 | 14° 4 | 15°19 | 28°45 | 7°38 | | | | | | | | |
| T 27 | 18 19 53 | 5° 9'50 | 22° 8 | 26° 6 | 25°50 | 2°29 | 5°34 | 2°39 | 26°37 | 9°14 | 25°53 | 13°58 | 15°16 | 28°52 | 7°40 | | | | | | | | |
| F 28 | 18 23 49 | 6° 7'03 | 4II55 | 28°12 | 26°58 | 3° 7 | 5°29 | 2°41 | 26°40 | 9°15 | 25°54 | 13°52 | 15°13 | 28°58 | 7°42 | | | | | | | | |
| S 29 | 18 27 46 | 7° 4'17 | 18° 1 | 0♁20 | 28° 7 | 3°44 | 5°23 | 2°42 | 26°42 | 9°17 | 25°55 | 13°46 | 15°10 | 29° 5 | 7°45 | | | | | | | | |
| S 30 | 18 31 43 | 8♁ 1'30 | 1♁25 | 2♁29 | 29♂17 | 4♁22 | 5♁17 | 2°V44 | 26♁45 | 9♃18 | 25♂56 | 13♁41 | 15♁ 7 | 29♂12 | 7♃47 | | | | | | | | |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | | |
|------|------------|---------|----------|-------|-------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | |
| S 1 | 22n 1 | 26n26 | 4n37 | 13n15 | 3s39 | 8n12 | 2s13 | 23n44 | 1n16 | 18s58 | 0s28 | 1s26 | 2s 9 | 13n39 | 0n44 | 12n42 | 1s44 | 5n49 | 13s41 | 16s13 | 15s51 | 1n23 | 13n 2 | 0s40 |
| S 2 | 22 9 27 | 16 4 | 2 13 33 | 3 36 | 8 34 | 2 15 | 23 39 | 1 16 | 18 58 | 0 28 | 1 24 | 2 9 | 13 39 | 0 44 | 12 43 | 1 44 | 5 49 | 13 41 | 16 16 | 15 52 | 1 27 | 13 3 | 0 40 | |
| M 3 | 22 17 26 | 32 3 | 13 13 52 | 3 32 | 8 56 | 2 16 | 23 35 | 1 16 | 18 59 | 0 29 | 1 23 | 2 9 | 13 38 | 0 44 | 12 43 | 1 44 | 5 49 | 13 41 | 16 19 | 15 53 | 1 30 | 13 4 | 0 40 | |
| T 4 | 22 24 24 | 14 2 | 12 14 12 | 3 28 | 9 19 | 2 17 | 23 30 | 1 16 | 19 0 | 0 29 | 1 22 | 2 10 | 13 38 | 0 44 | 12 44 | 1 44 | 5 49 | 13 41 | 16 20 | 15 54 | 1 33 | 13 5 | 0 40 | |
| W 5 | 22 31 20 | 31 1 | 3 14 34 | 3 23 | 9 41 | 2 18 | 23 24 | 1 16 | 19 0 | 0 29 | 1 20 | 2 10 | 13 37 | 0 44 | 12 45 | 1 44 | 5 50 | 13 41 | 16 21 | 15 55 | 1 37 | 13 6 | 0 40 | |
| T 6 | 22 38 15 | 38 0s10 | 14 57 | 3 17 | 10 3 | 2 18 | 23 19 | 1 16 | 19 1 | 0 29 | 1 19 | 2 10 | 13 36 | 0 44 | 12 45 | 1 44 | 5 50 | 13 41 | 16 21 | 15 56 | 1 40 | 13 7 | 0 40 | |
| F 7 | 22 44 9 | 53 1 | 24 15 21 | 3 11 | 10 25 | 2 19 | 23 13 | 1 16 | 19 2 | 0 30 | 1 18 | 2 10 | 13 36 | 0 44 | 12 46 | 1 44 | 5 50 | 13 41 | 16 21 | 15 57 | 1 43 | 13 8 | 0 40 | |
| S 8 | 22 49 3 | 37 2 | 33 15 46 | 3 4 | 10 47 | 2 20 | 23 8 | 1 16 | 19 3 | 0 30 | 1 17 | 2 11 | 13 35 | 0 44 | 12 46 | 1 44 | 5 50 | 13 41 | 16 21 | 15 58 | 1 46 | 13 9 | 0 40 | |
| S 9 | 22 55 2s53 | 3 33 | 16 11 | 2 56 | 11 9 | 2 20 | 23 2 | 1 16 | 19 4 | 0 30 | 1 16 | 2 11 | 13 35 | 0 44 | 12 47 | 1 44 | 5 50 | 13 41 | 16 21 | 15 59 | 1 50 | 13 10 | 0 40 | |
| M10 | 23 0 9 | 15 4 | 21 16 38 | 2 48 | 11 30 | 2 20 | 22 56 | 1 15 | 19 4 | 0 30 | 1 14 | 2 11 | 13 34 | 0 44 | 12 47 | 1 44 | 5 51 | 13 41 | 16 22 | 16 0 | 1 53 | 13 11 | 0 41 | |
| T 11 | 23 4 15 | 10 4 | 5 17 32 | 2 39 | 11 52 | 2 21 | 22 50 | 1 15 | 19 5 | 0 30 | 1 13 | 2 11 | 13 33 | 0 44 | 12 48 | 1 44 | 5 51 | 13 41 | 16 23 | 16 1 | 1 56 | 13 12 | 0 41 | |
| W12 | 23 8 20 | 15 5 | 5 17 32 | 2 30 | 12 13 | 2 21 | 22 43 | 1 15 | 19 6 | 0 31 | 1 12 | 2 12 | 13 32 | 0 44 | 12 48 | 1 44 | 5 51 | 13 41 | 16 25 | 16 2 | 1 59 | 13 13 | 0 41 | |
| T 13 | 23 12 24 | 8 5 | 0 18 0 | 2 21 | 12 34 | 2 21 | 22 37 | 1 15 | 19 7 | 0 31 | 1 11 | 2 12 | 13 32 | 0 44 | 12 49 | 1 44 | 5 51 | 13 42 | 16 27 | 16 3 | 2 3 | 13 14 | 0 41 | |
| F 14 | 23 16 26 | 32 4 | 36 18 28 | 2 21 | 12 55 | 2 21 | 22 30 | 1 15 | 19 8 | 0 31 | 1 10 | 2 12 | 13 31 | 0 44 | 12 49 | 1 44 | 5 51 | 13 42 | 16 30 | 16 4 | 2 6 | 13 14 | 0 41 | |
| S 15 | 23 18 27 | 15 3 | 57 18 56 | 2 1 | 13 16 | 2 21 | 22 23 | 1 15 | 19 10 | 0 31 | 1 9 | 2 12 | 13 30 | 0 44 | 12 50 | 1 44 | 5 52 | 13 42 | 16 32 | 16 5 | 2 9 | 13 15 | 0 41 | |
| S 16 | 23 21 26 | 21 3 | 5 19 24 | 1 50 | 13 37 | 2 20 | 22 16 | 1 15 | 19 11 | 0 31 | 1 9 | 2 13 | 13 29 | 0 44 | 12 51 | 1 44 | 5 52 | 13 42 | 16 34 | 16 6 | 2 13 | 13 16 | 0 41 | |
| M17 | 23 23 23 | 58 2 | 5 19 52 | 1 39 | 13 57 | 2 20 | 22 9 | 1 15 | 19 12 | 0 32 | 1 8 | 2 13 | 13 29 | 0 44 | 12 51 | 1 44 | 5 52 | 13 42 | 16 35 | 16 7 | 2 16 | 13 17 | 0 41 | |
| T 18 | 23 25 20 | 26 0 | 59 20 19 | 1 28 | 14 17 | 2 19 | 22 2 | 1 15 | 19 13 | 0 32 | 1 7 | 2 13 | 13 28 | 0 44 | 12 51 | 1 44 | 5 52 | 13 42 | 16 36 | 16 8 | 2 19 | 13 18 | 0 41 | |
| W19 | 23 26 16 | 3 0n 8 | 20 46 | 1 17 | 14 37 | 2 19 | 21 54 | 1 15 | 19 14 | 0 32 | 1 6 | 2 13 | 13 27 | 0 44 | 12 52 | 1 44 | 5 52 | 13 42 | 16 | | | | | |

SWISS EPHEMERIS for the year 1878

JULY 1878

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|--------------------|---------------------|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|
| M 1 | 18 35 39 | 8 ^h 58'44" | 15 ^h 06' | 4 ^h 39' | 0 ^h 11'26" | 5 ^h 00' | 5 ^h R11 | 2 ^h Y45 | 26 ^h 048 | 9 ^h 020 | 25 ^h 057 | 13 ^h R37 | 15 ^h 04 | 29 ^h X18 | 7 ^h 050 |
| T 2 | 18 39 36 | 9 ^h 55'58" | 29 ^h 1 | 6 ^h 49' | 1 ^h 35' | 5 ^h 37' | 5 ^h 05 | 2 ^h 47' | 26 ^h 51 | 9 ^h 21 | 25 ^h 58 | 13 ^h 034 | 15 ^h 0 | 29 ^h 25 | 7 ^h 52 |
| W 3 | 18 43 32 | 10 ^h 53'11" | 13 ^h 7 | 9 ^h 0 | 2 ^h 44' | 6 ^h 15' | 4 ^h 58 | 2 ^h 48' | 26 ^h 54 | 9 ^h 22 | 25 ^h 59 | 13 ^h D33 | 14 ^h 57 | 29 ^h 32 | 7 ^h 54 |
| T 4 | 18 47 29 | 11 ^h 50'24" | 27 ^h 20 | 11 ^h 10' | 3 ^h 54' | 6 ^h 53' | 4 ^h 52 | 2 ^h 49' | 26 ^h 56 | 9 ^h 23 | 26 ^h 0 | 13 ^h 34 | 14 ^h 54 | 29 ^h 38 | 7 ^h 56 |
| F 5 | 18 51 25 | 12 ^h 47'37" | 11 ^h 36' | 13 ^h 20' | 5 ^h 3 | 7 ^h 30' | 4 ^h 45 | 2 ^h 50' | 26 ^h 59 | 9 ^h 25 | 26 ^h 1 | 13 ^h 35 | 14 ^h 51 | 29 ^h 45 | 7 ^h 58 |
| S 6 | 18 55 22 | 13 ^h 44'49" | 25 ^h 52 | 15 ^h 30' | 6 ^h 13' | 8 ^h 8 | 4 ^h 38 | 2 ^h 51' | 27 ^h 2 | 9 ^h 26 | 26 ^h 2 | 13 ^h 37 | 14 ^h 48 | 29 ^h 52 | 8 ^h 0 |
| S 7 | 18 59 18 | 14 ^h 42'02" | 10 ^h 06' | 17 ^h 38' | 7 ^h 22' | 8 ^h 46' | 4 ^h 32 | 2 ^h 52' | 27 ^h 5 | 9 ^h 27 | 26 ^h 3 | 13 ^h R37 | 14 ^h 45 | 29 ^h 58 | 8 ^h 2 |
| M 8 | 19 3 15 | 15 ^h 39'14" | 24 ^h 16' | 19 ^h 46' | 8 ^h 32' | 9 ^h 23' | 4 ^h 25 | 2 ^h 52' | 27 ^h 8 | 9 ^h 28 | 26 ^h 4 | 13 ^h 37 | 14 ^h 41 | 0 ^h Y 5 | 8 ^h 4 |
| T 9 | 19 7 12 | 16 ^h 36'26" | 8 ^h 11'19" | 21 ^h 53' | 9 ^h 42' | 10 ^h 1 | 4 ^h 18 | 2 ^h 53' | 27 ^h 11 | 9 ^h 29 | 26 ^h 5 | 13 ^h 36 | 14 ^h 38 | 0 ^h 12 | 8 ^h 6 |
| W10 | 19 11 8 | 17 ^h 33'38" | 22 ^h 15' | 23 ^h 58' | 10 ^h 52' | 10 ^h 39' | 4 ^h 11 | 2 ^h 54' | 27 ^h 14 | 9 ^h 30 | 26 ^h 6 | 13 ^h 33 | 14 ^h 35 | 0 ^h 18 | 8 ^h 8 |
| T 11 | 19 15 5 | 18 ^h 30'50" | 6 ^h 07' | 26 ^h 2 | 12 ^h 2 | 11 ^h 17' | 4 ^h 4 | 2 ^h 54' | 27 ^h 18 | 9 ^h 31 | 26 ^h 7 | 13 ^h 30 | 14 ^h 32 | 0 ^h 25 | 8 ^h 10 |
| F 12 | 19 19 1 | 19 ^h 28'02" | 19 ^h 33' | 28 ^h 4 | 13 ^h 12' | 11 ^h 54' | 3 ^h 56 | 2 ^h 54' | 27 ^h 21 | 9 ^h 33 | 26 ^h 8 | 13 ^h 27 | 14 ^h 29 | 0 ^h 32 | 8 ^h 12 |
| S 13 | 19 22 58 | 20 ^h 25'15" | 2 ^h 35'52" | 0 ^h 05' | 14 ^h 22' | 12 ^h 32' | 3 ^h 49 | 2 ^h 54' | 27 ^h 24 | 9 ^h 34 | 26 ^h 8 | 13 ^h 23 | 14 ^h 25 | 0 ^h 39 | 8 ^h 14 |
| S 14 | 19 26 54 | 21 ^h 22'27" | 15 ^h 57' | 2 ^h 3 | 15 ^h 32' | 13 ^h 10' | 3 ^h 42 | 2 ^h 55' | 27 ^h 27 | 9 ^h 35 | 26 ^h 9 | 13 ^h 21 | 14 ^h 22 | 0 ^h 45 | 8 ^h 15 |
| M15 | 19 30 51 | 22 ^h 19'40" | 28 ^h 46' | 4 ^h 1 | 16 ^h 42' | 13 ^h 47' | 3 ^h 34 | 2 ^h R55 | 27 ^h 30 | 9 ^h 35 | 26 ^h 10 | 13 ^h 19 | 14 ^h 19 | 0 ^h 52 | 8 ^h 17 |
| T 16 | 19 34 47 | 23 ^h 16'53" | 11 ^h 08'19" | 5 ^h 56' | 17 ^h 53' | 14 ^h 25' | 3 ^h 27 | 2 ^h 55' | 27 ^h 33 | 9 ^h 36 | 26 ^h 11 | 13 ^h D18 | 14 ^h 16 | 0 ^h 59 | 8 ^h 19 |
| W17 | 19 38 44 | 24 ^h 14'07" | 23 ^h 39' | 7 ^h 50' | 19 ^h 3 | 15 ^h 3 | 3 ^h 19 | 2 ^h 54' | 27 ^h 37 | 9 ^h 37 | 26 ^h 12 | 13 ^h 19 | 14 ^h 13 | 1 ^h 5 | 8 ^h 20 |
| T 18 | 19 42 41 | 25 ^h 11'21" | 5 ^h 34'47" | 9 ^h 42' | 20 ^h 13' | 15 ^h 41' | 3 ^h 12 | 2 ^h 54' | 27 ^h 40 | 9 ^h 38 | 26 ^h 13 | 13 ^h 20 | 14 ^h 10 | 1 ^h 12 | 8 ^h 22 |
| F 19 | 19 46 37 | 26 ^h 8'36" | 17 ^h 45' | 11 ^h 32' | 21 ^h 24' | 16 ^h 18' | 3 ^h 4 | 2 ^h 54' | 27 ^h 43 | 9 ^h 39 | 26 ^h 13 | 13 ^h 21 | 14 ^h 6 | 1 ^h 19 | 8 ^h 23 |
| S 20 | 19 50 34 | 27 ^h 5'52" | 29 ^h 37' | 13 ^h 20' | 22 ^h 35' | 16 ^h 56' | 2 ^h 56 | 2 ^h 53' | 27 ^h 47 | 9 ^h 40 | 26 ^h 14 | 13 ^h 22 | 14 ^h 3 | 1 ^h 25 | 8 ^h 24 |
| S 21 | 19 54 30 | 28 ^h 3'08" | 11 ^h Y28' | 15 ^h 6 | 23 ^h 45' | 17 ^h 34' | 2 ^h 49 | 2 ^h 53' | 27 ^h 50 | 9 ^h 41 | 26 ^h 15 | 13 ^h 23 | 14 ^h 0 | 1 ^h 32 | 8 ^h 26 |
| M22 | 19 58 27 | 29 ^h 0'25" | 23 ^h 22' | 16 ^h 51' | 24 ^h 56' | 18 ^h 12' | 2 ^h 41 | 2 ^h 52' | 27 ^h 53 | 9 ^h 41 | 26 ^h 15 | 13 ^h 24 | 13 ^h 57 | 1 ^h 39 | 8 ^h 27 |
| T 23 | 20 2 23 | 29 ^h 57'43" | 5 ^h 08'24" | 18 ^h 34' | 26 ^h 7 | 18 ^h 50' | 2 ^h 33 | 2 ^h 51' | 27 ^h 57 | 9 ^h 42 | 26 ^h 16 | 13 ^h R24 | 13 ^h 54 | 1 ^h 45 | 8 ^h 28 |
| W24 | 20 6 20 | 0 ^h 55'02" | 17 ^h 37' | 20 ^h 15' | 27 ^h 18' | 19 ^h 27' | 2 ^h 25 | 2 ^h 50' | 28 ^h 0 | 9 ^h 43 | 26 ^h 17 | 13 ^h 24 | 13 ^h 51 | 1 ^h 52 | 8 ^h 29 |
| T 25 | 20 10 16 | 1 ^h 52'22" | 0 ^h II 7' | 21 ^h 54' | 28 ^h 29' | 20 ^h 5 | 2 ^h 18 | 2 ^h 49' | 28 ^h 4 | 9 ^h 43 | 26 ^h 18 | 13 ^h 22 | 13 ^h 47 | 1 ^h 59 | 8 ^h 30 |
| F 26 | 20 14 13 | 2 ^h 49'43" | 12 ^h 57' | 23 ^h 32' | 29 ^h 40' | 20 ^h 43' | 2 ^h 10 | 2 ^h 48' | 28 ^h 7 | 9 ^h 44 | 26 ^h 18 | 13 ^h 21 | 13 ^h 44 | 2 ^h 5 | 8 ^h 31 |
| S 27 | 20 18 10 | 3 ^h 47'05" | 26 ^h 9 | 25 ^h 8 | 0 ^h 05'51" | 21 ^h 21' | 2 ^h 2 | 2 ^h 47' | 28 ^h 11 | 9 ^h 45 | 26 ^h 19 | 13 ^h 20 | 13 ^h 41 | 2 ^h 12 | 8 ^h 32 |
| S 28 | 20 22 6 | 4 ^h 44'28" | 9 ^h 04'44" | 26 ^h 42' | 2 ^h 2 | 21 ^h 59' | 1 ^h 54 | 2 ^h 46' | 28 ^h 14 | 9 ^h 45 | 26 ^h 19 | 13 ^h 19 | 13 ^h 38 | 2 ^h 19 | 8 ^h 33 |
| M29 | 20 26 3 | 5 ^h 41'52" | 23 ^h 41' | 28 ^h 14' | 3 ^h 13' | 22 ^h 37' | 1 ^h 47 | 2 ^h 44' | 28 ^h 18 | 9 ^h 46 | 26 ^h 20 | 13 ^h 18 | 13 ^h 35 | 2 ^h 26 | 8 ^h 34 |
| T 30 | 20 29 59 | 6 ^h 39'16" | 7 ^h 05'57" | 29 ^h 44' | 4 ^h 25' | 23 ^h 14' | 1 ^h 39 | 2 ^h 43' | 28 ^h 21 | 9 ^h 46 | 26 ^h 21 | 13 ^h D18 | 13 ^h 31 | 2 ^h 32 | 8 ^h 35 |
| W31 | 20 33 56 | 7 ^h 03'64" | 22 ^h 02'28" | 1 ^h 11'13" | 5 ^h 05'36" | 23 ^h 05'52" | 1 ^h 03'31" | 2 ^h Y41 | 28 ^h 25 | 9 ^h 46 | 26 ^h 21 | 13 ^h 08 | 13 ^h 08 | 2 ^h Y39 | 8 ^h 36 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| M 1 | 23n 9 | 25n 4 | 2n29 | 24n17 | 0n54 | 18n13 | 2s 5 | 20n13 | 1n13 | 19s33 | 0s34 | 1s 0 | 2s17 | 13n16 | 0n43 | 12n57 | 1s45 | 5n53 | 13s44 | 16s45 | 16s20 | 3n 1 | 13n27 | 0s43 |
| T 2 | 23 5 | 21 39 | 1 19 | 24 20 | 1 3 | 18 29 | 2 3 | 20 4 | 1 13 | 19 34 | 0 35 | 0 59 | 2 17 | 13 15 | 0 43 | 12 57 | 1 45 | 5 54 | 13 44 | 16 46 | 16 21 | 3 4 | 13 28 | 0 43 |
| W 3 | 23 1 | 16 56 | 0 2 | 24 20 | 1 11 | 18 44 | 2 1 | 19 54 | 1 13 | 19 36 | 0 35 | 0 59 | 2 17 | 13 14 | 0 43 | 12 58 | 1 45 | 5 54 | 13 44 | 16 46 | 16 22 | 3 8 | 13 28 | 0 43 |
| T 4 | 22 56 | 11 14 | 1s15 | 24 17 | 1 18 | 18 59 | 2 0 | 19 45 | 1 13 | 19 38 | 0 35 | 0 59 | 2 18 | 13 13 | 0 43 | 12 58 | 1 45 | 5 54 | 13 44 | 16 46 | 16 23 | 3 11 | 13 29 | 0 43 |
| F 5 | 22 50 | 4 57 | 2 27 | 24 11 | 1 24 | 19 14 | 1 58 | 19 35 | 1 13 | 19 39 | 0 35 | 0 59 | 2 18 | 13 12 | 0 43 | 12 59 | 1 45 | 5 54 | 13 45 | 16 45 | 16 24 | 3 14 | 13 30 | 0 43 |
| S 6 | 22 45 | 1s35 | 3 31 | 24 3 | 1 30 | 19 28 | 1 56 | 19 25 | 1 13 | 19 41 | 0 35 | 0 59 | 2 18 | 13 11 | 0 43 | 12 59 | 1 45 | 5 54 | 13 45 | 16 45 | 16 24 | 3 17 | 13 30 | 0 43 |
| S 7 | 22 39 | 8 1 | 4 22 | 23 52 | 1 35 | 19 41 | 1 54 | 19 15 | 1 12 | 19 43 | 0 36 | 0 59 | 2 18 | 13 10 | 0 43 | 12 59 | 1 45 | 5 54 | 13 45 | 16 45 | 16 25 | 3 21 | 13 31 | 0 44 |
| M 8 | 22 32 | 14 0 | 4 56 | 23 38 | 1 40 | 19 54 | 1 52 | 19 5 | 1 12 | 19 45 | 0 36 | 0 59 | 2 19 | 13 9 | 0 43 | 12 59 | 1 45 | 5 54 | 13 45 | 16 45 | 16 26 | 3 24 | 13 31 | 0 44 |
| T 9 | 22 25 | 19 12 | 5 10 | 23 22 | 1 43 | 20 7 | 1 50 | 18 54 | 1 12 | 19 47 | 0 36 | 0 59 | 2 19 | 13 8 | 0 43 | 13 0 | 1 45 | 5 54 | 13 45 | 16 45 | 16 27 | 3 27 | 13 32 | 0 44 |
| W10 | 22 18 | 23 20 | 5 10 | 23 4 | 1 46 | 20 19 | 1 47 | 18 44 | 1 12 | 19 49 | 0 36 | 0 59 | 2 19 | 13 7 | 0 43 | 13 0 | 1 45 | 5 54 | 13 45 | 16 46 | 16 28 | 3 30 | 13 32 | 0 44 |
| T 11 | 22 11 | 26 5 | 4 50 | 22 43 | 1 48 | 20 31 | 1 45 | 18 33 | 1 12 | 19 50 | 0 36 | 0 59 | 2 19 | 13 6 | 0 43 | 13 0 | 1 46 | 5 54 | 13 46 | 16 47 | 16 29 | 3 34 | 13 33 | 0 44 |
| F 12 | 22 3 | 27 16 | 4 14 | 22 21 | 1 49 | 20 42 | 1 43 | 18 23 | 1 12 | 19 52 | 0 36 | 0 59 | 2 20 | 13 5 | 0 43 | 13 1 | 1 46 | 5 54 | 13 46 | 16 48 | 16 30 | 3 37 | 13 33 | 0 44 |
| S 13 | 21 54 | 26 50 | 3 24 | 21 56 | 1 50 | 20 53 | 1 41 | 18 12 | 1 12 | 19 54 | 0 37 | 0 59 | 2 20 | 13 4 | 0 43 | 13 1 | 1 46 | 5 54 | 13 46 | 16 49 | 16 31 | 3 40 | 13 34 | 0 44 |
| S 14 | 21 45 | 24 54 | 2 25 | 21 30 | 1 50 | 21 3 | 1 38 | 18 1 | 1 11 | 19 56 | 0 37 | 0 59 | 2 20 | 13 2 | 0 43 | 13 1 | 1 46 | 5 54 | 13 46 | 16 50 | 16 32 | 3 43 | 13 34 | 0 44 |
| M15 | 21 36 | 21 43 | 1 19 | 21 2 | 1 49 | 21 12 | 1 36 | 17 50 | 1 11 | 19 58 | 0 37 | 1 0 | 2 21 | 13 1 | 0 43 | 13 1 | 1 46 | 5 54 | 13 46 | 16 50 | 16 33 | 3 46 | 13 34 | 0 45 |
| T 16 | 21 27 | 17 34 | 0 11 | 20 32 | 1 48 | 21 21 | 1 33 | 17 39 | 1 11 | 20 0 | 0 37 | 1 0 | 2 21 | 13 0 | 0 43 | 13 2 | 1 46 | 5 54 | 13 47 | 16 50 | 16 34 | 3 50 | 13 35 | 0 45 |
| W17 | 21 17 | 12 45 | 0n57 | 20 2 | 1 46 | 21 30 | 1 31 | 17 28 | 1 11 | 20 2 | 0 37 | 1 0 | 2 21 | 12 59 | 0 43 | 13 2 | 1 46 | 5 54 | 13 47 | 16 50 | 16 35 | 3 53 | 13 35 | 0 45 |
| T 18 | 21 7 | 7 32 | 2 1 | 19 30 | 1 43 | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

AUGUST 1878

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|
| T 1 | 20 37 52 | 8♄34'08 | 7♄7 | 2♄40 | 6♁47 | 24♄30 | 1°R23 | 2°R40 | 28♄28 | 9♄47 | 26♄22 | 13♁18 | 13♁25 | 2°Y46 | 8♄37 |
| F 2 | 20 41 49 | 9°31'35 | 21°48 | 4° 5 | 7°59 | 25° 8 | 1♁16 | 2°Y38 | 28°32 | 9°47 | 26°22 | 13°19 | 13°22 | 2°52 | 8°37 |
| S 3 | 20 45 45 | 10°29'02 | 6♁25 | 5°28 | 9°10 | 25°46 | 1° 8 | 2°36 | 28°36 | 9°48 | 26°23 | 13°19 | 13°19 | 2°59 | 8°38 |
| S 4 | 20 49 42 | 11°26'31 | 20°53 | 6°49 | 10°22 | 26°24 | 1° 1 | 2°34 | 28°39 | 9°48 | 26°23 | 13°19 | 13°16 | 3° 6 | 8°38 |
| M 5 | 20 53 39 | 12°24'00 | 5♄8 | 8° 8 | 11°34 | 27° 2 | 0°53 | 2°32 | 28°43 | 9°48 | 26°24 | 13°19 | 13°12 | 3°12 | 8°39 |
| T 6 | 20 57 35 | 13°21'30 | 19° 7 | 9°26 | 12°45 | 27°40 | 0°46 | 2°30 | 28°46 | 9°48 | 26°24 | 13°19 | 13° 9 | 3°19 | 8°39 |
| W 7 | 21 1 32 | 14°19'00 | 2♄51 | 10°41 | 13°57 | 28°18 | 0°38 | 2°28 | 28°50 | 9°49 | 26°24 | 13°19 | 13° 6 | 3°26 | 8°40 |
| T 8 | 21 5 28 | 15°16'32 | 16°18 | 11°54 | 15° 9 | 28°56 | 0°31 | 2°25 | 28°54 | 9°49 | 26°25 | 13°19 | 13° 3 | 3°32 | 8°40 |
| F 9 | 21 9 25 | 16°14'04 | 29°29 | 13° 5 | 16°21 | 29°34 | 0°24 | 2°23 | 28°57 | 9°49 | 26°25 | 13°19 | 13° 0 | 3°39 | 8°40 |
| S 10 | 21 13 21 | 17°11'37 | 12♁25 | 14°14 | 17°33 | 0♄12 | 0°17 | 2°20 | 29° 1 | 9°49 | 26°26 | 13°20 | 12°57 | 3°46 | 8°40 |
| S 11 | 21 17 18 | 18° 9'11 | 25° 8 | 15°20 | 18°45 | 0°50 | 0°10 | 2°18 | 29° 5 | 9°49 | 26°26 | 13°20 | 12°53 | 3°53 | 8°40 |
| M12 | 21 21 14 | 19° 6'47 | 7♁38 | 16°24 | 19°57 | 1°28 | 0° 3 | 2°15 | 29° 9 | 9°49 | 26°26 | 13°R20 | 12°50 | 3°59 | 8°41 |
| T 13 | 21 25 11 | 20° 4'23 | 19°57 | 17°26 | 21° 9 | 2° 6 | 29♁56 | 2°12 | 29°12 | 9°R49 | 26°27 | 13°20 | 12°47 | 4° 6 | 8°R41 |
| W14 | 21 29 8 | 21° 2'00 | 2♄6 | 18°25 | 22°21 | 2°44 | 29°49 | 2° 9 | 29°16 | 9°49 | 26°27 | 13°20 | 12°44 | 4°13 | 8°41 |
| T 15 | 21 33 4 | 21°59'39 | 14° 6 | 19°21 | 23°33 | 3°22 | 29°42 | 2° 7 | 29°20 | 9°49 | 26°27 | 13°19 | 12°41 | 4°19 | 8°40 |
| F 16 | 21 37 1 | 22°57'19 | 26° 1 | 20°14 | 24°46 | 4° 0 | 29°36 | 2° 4 | 29°23 | 9°49 | 26°27 | 13°18 | 12°37 | 4°26 | 8°40 |
| S 17 | 21 40 57 | 23°55'01 | 7°Y52 | 21° 4 | 25°58 | 4°38 | 29°29 | 2° 0 | 29°27 | 9°49 | 26°27 | 13°17 | 12°34 | 4°33 | 8°40 |
| S 18 | 21 44 54 | 24°52'44 | 19°43 | 21°50 | 27°10 | 5°16 | 29°23 | 1°57 | 29°31 | 9°49 | 26°28 | 13°15 | 12°31 | 4°39 | 8°40 |
| M19 | 21 48 50 | 25°50'29 | 1♁37 | 22°34 | 28°23 | 5°54 | 29°17 | 1°54 | 29°35 | 9°49 | 26°28 | 13°14 | 12°28 | 4°46 | 8°39 |
| T 20 | 21 52 47 | 26°48'15 | 13°37 | 23°13 | 29°35 | 6°32 | 29°11 | 1°51 | 29°38 | 9°49 | 26°28 | 13°13 | 12°25 | 4°53 | 8°39 |
| W21 | 21 56 43 | 27°46'04 | 25°49 | 23°49 | 0♄48 | 7°11 | 29° 5 | 1°47 | 29°42 | 9°48 | 26°28 | 13°D12 | 12°22 | 4°59 | 8°39 |
| T 22 | 22 0 40 | 28°43'54 | 8♄16 | 24°21 | 2° 1 | 7°49 | 28°59 | 1°44 | 29°46 | 9°48 | 26°28 | 13°12 | 12°18 | 5° 6 | 8°38 |
| F 23 | 22 4 37 | 29°41'45 | 21° 2 | 24°48 | 3°13 | 8°27 | 28°53 | 1°40 | 29°50 | 9°48 | 26°28 | 13°13 | 12°15 | 5°13 | 8°38 |
| S 24 | 22 8 33 | 0♄39'39 | 4♁12 | 25°11 | 4°26 | 9° 5 | 28°47 | 1°37 | 29°53 | 9°47 | 26°28 | 13°14 | 12°12 | 5°20 | 8°37 |
| S 25 | 22 12 30 | 1°37'34 | 17°47 | 25°29 | 5°39 | 9°43 | 28°42 | 1°33 | 29°57 | 9°47 | 26°28 | 13°16 | 12° 9 | 5°26 | 8°36 |
| M26 | 22 16 26 | 2°35'31 | 1♄49 | 25°42 | 6°52 | 10°21 | 28°37 | 1°29 | 0♄1 | 9°47 | 26°28 | 13°17 | 12° 6 | 5°33 | 8°36 |
| T 27 | 22 20 23 | 3°33'29 | 16°15 | 25°50 | 8° 5 | 11° 0 | 28°32 | 1°26 | 0° 5 | 9°46 | 26°R28 | 13°R17 | 12° 3 | 5°40 | 8°35 |
| W28 | 22 24 19 | 4°31'30 | 1♄2 | 25°R52 | 9°18 | 11°38 | 28°27 | 1°22 | 0° 8 | 9°46 | 26°28 | 13°16 | 11°59 | 5°46 | 8°34 |
| T 29 | 22 28 16 | 5°29'31 | 1♁2 | 25°48 | 10°31 | 12°16 | 28°22 | 1°18 | 0°12 | 9°45 | 26°28 | 13°14 | 11°56 | 5°53 | 8°33 |
| F 30 | 22 32 12 | 6°27'35 | 1♁7 | 25°38 | 11°44 | 12°55 | 28°17 | 1°14 | 0°16 | 9°45 | 26°28 | 13°12 | 11°53 | 6° 0 | 8°32 |
| S 31 | 22 36 9 | 7♄25'39 | 16♁7 | 25♄22 | 12♄57 | 13♄33 | 28♁13 | 1°Y10 | 0♄20 | 9♄44 | 26♄28 | 13♁9 | 11♁50 | 6°Y6 | 8♄31 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 18n 8 | 6n55 | 2s 8 | 10n49 | 0n18 | 22n28 | 0s49 | 14n26 | 1n 8 | 20s30 | 0s39 | 1s10 | 2s25 | 12n41 | 0n43 | 13n 4 | 1s47 | 5n53 | 13s50 | 16s50 | 16s48 | 4n41 | 13n39 | 0s47 |
| F 2 | 17 53 | 0 14 | 3 18 | 10 10 | 0 9 | 22 27 | 0 46 | 14 13 | 1 8 | 20 32 | 0 39 | 1 11 | 2 25 | 12 40 | 0 43 | 13 4 | 1 47 | 5 52 | 13 51 | 16 50 | 16 49 | 4 44 | 13 39 | 0 47 |
| S 3 | 17 37 | 6s26 | 4 14 | 9 31 | 0 0 | 22 26 | 0 43 | 14 0 | 1 8 | 20 34 | 0 39 | 1 12 | 2 26 | 12 38 | 0 43 | 13 4 | 1 47 | 5 52 | 13 51 | 16 50 | 16 50 | 4 47 | 13 39 | 0 47 |
| S 4 | 17 22 | 12 41 | 4 53 | 8 53 | 0s 9 | 22 23 | 0 40 | 13 47 | 1 7 | 20 36 | 0 40 | 1 13 | 2 26 | 12 37 | 0 43 | 13 4 | 1 47 | 5 52 | 13 51 | 16 50 | 16 51 | 4 51 | 13 39 | 0 47 |
| M 5 | 17 6 | 18 10 | 5 14 | 8 14 | 0 18 | 22 20 | 0 37 | 13 34 | 1 7 | 20 37 | 0 40 | 1 14 | 2 26 | 12 36 | 0 43 | 13 4 | 1 47 | 5 52 | 13 51 | 16 50 | 16 52 | 4 54 | 13 39 | 0 47 |
| T 6 | 16 49 | 22 34 | 5 16 | 7 36 | 0 28 | 22 17 | 0 34 | 13 20 | 1 7 | 20 39 | 0 40 | 1 15 | 2 26 | 12 35 | 0 43 | 13 4 | 1 47 | 5 52 | 13 52 | 16 50 | 16 53 | 4 57 | 13 39 | 0 47 |
| W 7 | 16 33 | 25 38 | 4 59 | 6 59 | 0 38 | 22 13 | 0 31 | 13 7 | 1 7 | 20 41 | 0 40 | 1 16 | 2 27 | 12 33 | 0 43 | 13 4 | 1 47 | 5 52 | 13 52 | 16 50 | 16 54 | 5 0 | 13 39 | 0 48 |
| T 8 | 16 16 | 27 10 | 4 26 | 6 22 | 0 48 | 22 8 | 0 28 | 12 54 | 1 7 | 20 42 | 0 40 | 1 17 | 2 27 | 12 32 | 0 43 | 13 4 | 1 47 | 5 52 | 13 52 | 16 50 | 16 55 | 5 3 | 13 39 | 0 48 |
| F 9 | 15 59 | 27 7 | 3 40 | 5 45 | 0 58 | 22 3 | 0 25 | 12 40 | 1 6 | 20 44 | 0 40 | 1 18 | 2 27 | 12 31 | 0 43 | 13 4 | 1 47 | 5 51 | 13 52 | 16 50 | 16 56 | 5 6 | 13 39 | 0 48 |
| S 10 | 15 42 | 25 35 | 2 43 | 5 10 | 1 8 | 21 57 | 0 22 | 12 27 | 1 6 | 20 46 | 0 40 | 1 19 | 2 27 | 12 29 | 0 43 | 13 4 | 1 47 | 5 51 | 13 53 | 16 50 | 16 56 | 5 10 | 13 39 | 0 48 |
| S 11 | 15 24 | 22 45 | 1 39 | 4 34 | 1 19 | 21 50 | 0 19 | 12 13 | 1 6 | 20 47 | 0 40 | 1 21 | 2 28 | 12 28 | 0 43 | 13 4 | 1 47 | 5 51 | 13 53 | 16 50 | 16 57 | 5 13 | 13 39 | 0 48 |
| M12 | 15 6 | 18 53 | 0 32 | 4 0 | 1 29 | 21 43 | 0 16 | 11 59 | 1 6 | 20 49 | 0 40 | 1 22 | 2 28 | 12 27 | 0 43 | 13 4 | 1 47 | 5 51 | 13 53 | 16 50 | 16 58 | 5 16 | 13 39 | 0 48 |
| T 13 | 14 48 | 14 16 | 0n37 | 3 26 | 1 40 | 21 35 | 0 13 | 11 45 | 1 5 | 20 50 | 0 40 | 1 23 | 2 28 | 12 26 | 0 43 | 13 4 | 1 47 | 5 51 | 13 53 | 16 50 | 16 59 | 5 19 | 13 38 | 0 48 |
| W14 | 14 30 | 9 9 | 1 42 | 2 54 | 1 50 | 21 26 | 0 10 | 11 31 | 1 5 | 20 52 | 0 41 | 1 24 | 2 28 | 12 24 | 0 43 | 13 4 | 1 48 | 5 50 | 13 54 | 16 50 | 17 0 | 5 22 | 13 38 | 0 48 |
| T 15 | 14 11 | 3 46 | 2 42 | 2 22 | 2 1 | 21 17 | 0 7 | 11 17 | 1 5 | 20 53 | 0 41 | 1 26 | 2 28 | 12 23 | 0 43 | 13 4 | 1 48 | 5 50 | 13 54 | 16 50 | 17 1 | 5 25 | 13 38 | 0 49 |
| F 16 | 13 53 | 1n42 | 3 35 | 1 51 | 2 12 | 21 7 | 0 4 | 11 3 | 1 5 | 20 55 | 0 41 | 1 27 | 2 29 | 12 22 | 0 43 | 13 4 | 1 48 | 5 50 | 13 54 | 16 50 | 17 2 | 5 29 | 13 38 | 0 49 |
| S 17 | 13 34 | 7 4 | 4 18 | 1 22 | 2 22 | 20 57 | 0 1 | 10 49 | 1 4 | 20 56 | 0 41 | 1 29 | 2 29 | 12 20 | 0 43 | 13 4 | 1 48 | 5 50 | 13 54 | 16 51 | 17 3 | 5 32 | 13 38 | 0 49 |
| S 18 | 13 14 | 12 11 | 4 50 | 0 54 | 2 33 | 20 46 | 0n 1 | 10 35 | 1 4 | 20 58 | 0 41 | 1 30 | 2 29 | 12 19 | 0 43 | 13 4 | 1 48 | 5 50 | 13 55 | 16 51 | 17 4 | 5 35 | 13 38 | 0 49 |
| M19 | 12 55 | 16 53 | 5 10 | 0 27 | 2 43 | 20 34 | 0 4 | 10 21 | 1 4 | 20 59 | 0 41 | 1 32 | 2 29 | 12 18 | 0 43 | 13 4 | 1 48 | 5 49 | 13 55 | 16 52 | 17 5 | 5 38 | 13 37 | 0 49 |
| T 20 | 12 35 | 20 57 | 5 16 | 0 2 | 2 54 | 20 22 | 0 7 | 10 6 | 1 4 | 21 0 | 0 41 | 1 33 | 2 29 | 12 16 | 0 43 | 13 3 | 1 48 | 5 49 | 13 55 | 16 52 | 17 5 | 5 41 | 13 37 | 0 49 |
| W21 | 12 15 | 24 13 | 5 9 | 0s21 | 3 4 | 20 9 | 0 10 | 9 52 | 1 3 | 21 2 | 0 41 | 1 35 | 2 30 | 12 15 | 0 43 | 13 3 | 1 48 | 5 49 | 13 55 | 16 52 | 17 6 | 5 44 | 13 37 | 0 49 |
| T 22 | 11 55 | 26 25 | 4 46 | 0 43 | 3 14 | 19 56 | 0 13 | 9 37 | 1 3 | 21 3 | 0 41 | 1 36 | 2 30 | 12 14 | 0 43 | 13 3 | 1 48 | 5 49 | 13 56 | 16 52 | 17 7 | 5 48 | 13 37 | 0 50 |
| F 23 | 11 35 | 27 19 | 4 10 | 1 3 | 3 23 | 19 42 | 0 15 | 9 23 | 1 3 | 21 4 | 0 41 | 1 38 | 2 30 | 12 12 | 0 43 | 13 3 | 1 48 | 5 48 | 13 56 | 16 52 | 17 8 | 5 51 | 13 36 | 0 50 |
| S 24 | 11 15 | 26 43 | 3 19 | 1 20 | 3 32 | 19 28 | 0 18 | 9 8 | 1 3 | 21 5 | 0 41 | 1 39 | 2 30 | 12 11 | 0 43 | 13 3 | 1 48 | 5 48 | 13 56 | 16 51 | 17 9 | 5 54 | 13 36 | 0 50 |
| S 25 | 10 54 | 24 31 | 2 16 | 1 35 | 3 41 | 19 13 | 0 21 | 8 54 | 1 2 | 21 6 | 0 41 | 1 41 | 2 30 | 12 10 | 0 43 | 13 3 | 1 48 | 5 48 | 13 56 | 16 51 | 17 10 | 5 57 | 13 36 | 0 50 |
| M26 | 10 34 | 20 47 | 1 3 | 1 48 | 3 49 | 18 57 | 0 24 | 8 39 | 1 2 | 21 8 | 0 41 | 1 43 | 2 31 | 12 8 | 0 43 | 13 3 | 1 48 | 5 48 | 13 57 | 16 51 | 17 11 | 6 0 | 13 35 | 0 50 |
| T 27 | 10 13 | 15 43 | 0s16 | 1 58 | 3 57 | 18 41 | 0 26 | 8 24 | 1 2 | 21 9 | 0 41 | 1 44 | 2 31 | 12 7 | 0 43 | 13 2 | 1 48 | 5 48 | 13 57 | 16 51 | 17 12 | 6 3 | 13 35 | 0 50 |
| W28 | 9 52 | 9 37 | 1 36 | 2 5 | 4 4 | 18 24 | 0 29 | 8 9 | 1 2 | 21 10 | 0 41 | 1 46 | 2 31 | 12 6 | 0 43 | 13 2 | 1 48 | 5 47 | 13 57 | 16 51 | 17 13 | 6 6 | 13 34 | 0 50 |
| T 29 | 9 30 | 2 53 | 2 51 | 2 9 | 4 10 | 18 7 | 0 31 | 7 54 | 1 1 | 21 11 | 0 41 | 1 48 | 2 31 | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

SEPTEMBER 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|----------|----------------------|--------------------|--------------------|-----------------------|--------------------|--------|--------------------|-------------------|-------------------|--------------------|--------|--------------------|-------------------|-------------------|
| S 1 | 22 40 6 | 8 ^m 23'46 | 0 ^m 54 | 25°R 0 | 14 ^h 10'10 | 14 ^m 11 | 28°R 8 | 1°R 6 | 0 ^m 23 | 9°R44 | 26°R28 | 13°R 5 | 11 ^m 47 | 6 ^h 13 | 8°R30 |
| M 2 | 22 44 2 | 9°21'54 | 15°23 | 24 ^m 31 | 15°24 | 14°50 | 28°R 4 | 1°R 2 | 0°27 | 9 ^h 43 | 26 ^h 28 | 13°R 3 | 11°43 | 6°20 | 8 ^h 29 |
| T 3 | 22 47 59 | 10°20'03 | 29°28 | 23°57 | 16°37 | 15°28 | 28° 0 | 0°58 | 0°31 | 9°42 | 26°28 | 13° 1 | 11°40 | 6°26 | 8°28 |
| W 4 | 22 51 55 | 11°18'13 | 13 ^m 10 | 23°16 | 17°50 | 16° 6 | 27°56 | 0°53 | 0°35 | 9°42 | 26°28 | 13°D 1 | 11°37 | 6°33 | 8°27 |
| T 5 | 22 55 52 | 12°16'26 | 26°29 | 22°30 | 19° 4 | 16°45 | 27°53 | 0°49 | 0°38 | 9°41 | 26°28 | 13° 2 | 11°34 | 6°40 | 8°25 |
| F 6 | 22 59 48 | 13°14'39 | 9 ^m 27 | 21°39 | 20°17 | 17°23 | 27°49 | 0°45 | 0°42 | 9°40 | 26°27 | 13° 3 | 11°31 | 6°47 | 8°24 |
| S 7 | 23 3 45 | 14°12'54 | 22° 8 | 20°44 | 21°31 | 18° 2 | 27°46 | 0°40 | 0°46 | 9°39 | 26°27 | 13° 5 | 11°28 | 6°53 | 8°23 |
| S 8 | 23 7 41 | 15°11'11 | 4 ^m 34 | 19°46 | 22°44 | 18°40 | 27°43 | 0°36 | 0°49 | 9°39 | 26°27 | 13° 6 | 11°24 | 7° 0 | 8°21 |
| M 9 | 23 11 38 | 16° 9'29 | 16°48 | 18°46 | 23°58 | 19°19 | 27°40 | 0°32 | 0°53 | 9°38 | 26°27 | 13°R 6 | 11°21 | 7° 7 | 8°20 |
| T 10 | 23 15 35 | 17° 7'49 | 28°54 | 17°45 | 25°11 | 19°57 | 27°37 | 0°27 | 0°57 | 9°37 | 26°26 | 13° 5 | 11°18 | 7°13 | 8°18 |
| W 11 | 23 19 31 | 18° 6'10 | 10 ^m 53 | 16°45 | 26°25 | 20°36 | 27°35 | 0°23 | 1° 0 | 9°36 | 26°26 | 13° 2 | 11°15 | 7°20 | 8°17 |
| T 12 | 23 23 28 | 19° 4'34 | 22°48 | 15°47 | 27°39 | 21°14 | 27°33 | 0°18 | 1° 4 | 9°35 | 26°26 | 12°57 | 11°12 | 7°27 | 8°15 |
| F 13 | 23 27 24 | 20° 2'59 | 4 ^m 39 | 14°52 | 28°53 | 21°53 | 27°30 | 0°14 | 1° 8 | 9°34 | 26°25 | 12°51 | 11° 8 | 7°33 | 8°13 |
| S 14 | 23 31 21 | 21° 1'26 | 16°30 | 14° 2 | 0 ^m 6 | 22°31 | 27°29 | 0° 9 | 1°11 | 9°33 | 26°25 | 12°44 | 11° 5 | 7°40 | 8°11 |
| S 15 | 23 35 17 | 21°59'55 | 28°22 | 13°17 | 1°20 | 23°10 | 27°27 | 0° 5 | 1°15 | 9°32 | 26°25 | 12°37 | 11° 2 | 7°47 | 8°10 |
| M 16 | 23 39 14 | 22°58'26 | 10 ^m 18 | 12°41 | 2°34 | 23°48 | 27°25 | 29 ^m 59 | 1°18 | 9°31 | 26°24 | 12°30 | 10°59 | 7°54 | 8° 8 |
| T 17 | 23 43 10 | 23°57'00 | 22°19 | 12°12 | 3°48 | 24°27 | 27°24 | 29°55 | 1°22 | 9°30 | 26°24 | 12°25 | 10°56 | 8° 0 | 8° 6 |
| W 18 | 23 47 7 | 24°55'35 | 4 ^m 30 | 11°52 | 5° 2 | 25° 6 | 27°23 | 29°51 | 1°25 | 9°29 | 26°23 | 12°21 | 10°53 | 8° 7 | 8° 4 |
| T 19 | 23 51 4 | 25°54'13 | 16°54 | 11°41 | 6°16 | 25°44 | 27°22 | 29°46 | 1°29 | 9°28 | 26°23 | 12°18 | 10°49 | 8°14 | 8° 2 |
| F 20 | 23 55 0 | 26°52'53 | 29°36 | 11°D41 | 7°30 | 26°23 | 27°21 | 29°41 | 1°32 | 9°27 | 26°22 | 12°D18 | 10°46 | 8°20 | 8° 0 |
| S 21 | 23 58 57 | 27°51'36 | 12 ^m 38 | 11°50 | 8°44 | 27° 2 | 27°20 | 29°37 | 1°36 | 9°26 | 26°22 | 12°19 | 10°43 | 8°27 | 7°58 |
| S 22 | 0 2 53 | 28°50'20 | 26° 6 | 12° 9 | 9°59 | 27°41 | 27°20 | 29°32 | 1°39 | 9°24 | 26°21 | 12°20 | 10°40 | 8°34 | 7°56 |
| M 23 | 0 6 50 | 29°49'07 | 10 ^m 12 | 12°37 | 11°13 | 28°19 | 27°20 | 29°27 | 1°43 | 9°23 | 26°21 | 12°R21 | 10°37 | 8°40 | 7°54 |
| T 24 | 0 10 46 | 0 ^m 47'56 | 24°25 | 13°15 | 12°27 | 28°58 | 27°D20 | 29°23 | 1°46 | 9°22 | 26°20 | 12°20 | 10°34 | 8°47 | 7°52 |
| W 25 | 0 14 43 | 1°46'47 | 9 ^m 12 | 14° 1 | 13°41 | 29°37 | 27°20 | 29°18 | 1°50 | 9°21 | 26°20 | 12°18 | 10°30 | 8°54 | 7°49 |
| T 26 | 0 18 39 | 2°45'40 | 24°19 | 14°55 | 14°56 | 0 ^m 16 | 27°20 | 29°13 | 1°53 | 9°20 | 26°19 | 12°13 | 10°27 | 9° 1 | 7°47 |
| F 27 | 0 22 36 | 3°44'35 | 9 ^m 36 | 15°57 | 16°10 | 0°55 | 27°21 | 29° 9 | 1°56 | 9°18 | 26°18 | 12° 6 | 10°24 | 9° 7 | 7°45 |
| S 28 | 0 26 32 | 4°43'33 | 24°52 | 17° 6 | 17°25 | 1°34 | 27°21 | 29° 4 | 2° 0 | 9°17 | 26°18 | 11°58 | 10°21 | 9°14 | 7°42 |
| S 29 | 0 30 29 | 5°42'32 | 9 ^m 57 | 18°21 | 18°39 | 2°13 | 27°22 | 29° 0 | 2° 3 | 9°16 | 26°17 | 11°50 | 10°18 | 9°21 | 7°40 |
| M 30 | 0 34 26 | 6°41'33 | 24 ^m 41 | 19 ^m 41 | 19 ^m 53 | 2°52 | 27°24 | 28 ^m 55 | 2 ^m 6 | 9°14 | 26°16 | 11°43 | 10°14 | 9°27 | 7°38 |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ | | | | | | | | | | |
|------|--------|---------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| S 1 | 8n26 | 16s35 | 5s 7 | 2s 1 | 4s22 | 17n12 | 0n39 | 7n 9 | 1n 1 | 21s14 | 0s41 | 1s53 | 2s32 | 12n 1 | 0n43 | 13n 1 | 1s49 | 5n46 | 13s58 | 16s54 | 17s16 | 6n19 | 13n33 | 0s51 |
| M 2 | 8 4 21 | 27 5 14 | 1 51 | 4 23 | 16 53 | 0 41 | 6 54 | 1 0 | 21 14 | 0 41 | 1 55 | 2 32 | 11 59 | 0 43 | 13 1 | 1 49 | 5 46 | 13 58 | 16 55 | 17 17 | 6 22 | 13 32 | 0 51 | |
| T 3 | 7 42 | 24 57 | 5 1 | 1 37 | 4 23 | 16 33 | 0 43 | 6 39 | 1 0 | 21 15 | 0 41 | 1 56 | 2 32 | 11 58 | 0 43 | 13 1 | 1 49 | 5 46 | 13 59 | 16 55 | 17 18 | 6 25 | 13 32 | 0 51 |
| W 4 | 7 20 | 26 53 | 4 32 | 1 20 | 4 22 | 16 13 | 0 46 | 6 24 | 1 0 | 21 16 | 0 42 | 1 58 | 2 32 | 11 57 | 0 43 | 13 0 | 1 49 | 5 45 | 13 59 | 16 55 | 17 19 | 6 28 | 13 31 | 0 51 |
| T 5 | 6 58 | 27 13 | 3 48 | 0 59 | 4 18 | 15 53 | 0 48 | 6 9 | 0 59 | 21 17 | 0 42 | 2 0 | 2 32 | 11 55 | 0 43 | 13 0 | 1 49 | 5 45 | 13 59 | 16 55 | 17 20 | 6 32 | 13 31 | 0 51 |
| F 6 | 6 35 | 26 1 | 2 54 | 0 34 | 4 13 | 15 32 | 0 50 | 5 54 | 0 59 | 21 17 | 0 42 | 2 2 | 2 32 | 11 54 | 0 43 | 13 0 | 1 49 | 5 45 | 13 59 | 16 55 | 17 21 | 6 35 | 13 30 | 0 52 |
| S 7 | 6 13 | 23 29 | 1 52 | 0 6 | 4 6 | 15 10 | 0 52 | 5 38 | 0 59 | 21 18 | 0 42 | 2 4 | 2 32 | 11 53 | 0 43 | 13 0 | 1 49 | 5 44 | 14 0 | 16 54 | 17 21 | 6 38 | 13 30 | 0 52 |
| S 8 | 5 50 | 19 53 | 0 47 | 0n26 | 3 56 | 14 48 | 0 54 | 5 23 | 0 59 | 21 19 | 0 42 | 2 5 | 2 32 | 11 51 | 0 43 | 12 59 | 1 49 | 5 44 | 14 0 | 16 54 | 17 22 | 6 41 | 13 29 | 0 52 |
| M 9 | 5 28 | 15 29 | 0n20 | 0 59 | 3 45 | 14 26 | 0 56 | 5 8 | 0 58 | 21 19 | 0 42 | 2 7 | 2 33 | 11 50 | 0 43 | 12 59 | 1 49 | 5 44 | 14 0 | 16 54 | 17 23 | 6 44 | 13 28 | 0 52 |
| T 10 | 5 5 10 | 32 12 | 1 25 | 1 35 | 3 32 | 14 3 | 0 58 | 4 52 | 0 58 | 21 20 | 0 42 | 2 9 | 2 33 | 11 49 | 0 43 | 12 59 | 1 49 | 5 44 | 14 0 | 16 54 | 17 24 | 6 47 | 13 28 | 0 52 |
| W 11 | 4 42 | 5 15 | 2 26 | 2 12 | 3 18 | 13 40 | 1 0 | 4 37 | 0 58 | 21 20 | 0 42 | 2 11 | 2 33 | 11 48 | 0 43 | 12 58 | 1 49 | 5 43 | 14 1 | 16 55 | 17 25 | 6 50 | 13 27 | 0 52 |
| T 12 | 4 20 | 0n11 | 3 19 | 2 49 | 3 2 | 13 16 | 1 2 | 4 21 | 0 57 | 21 21 | 0 42 | 2 13 | 2 33 | 11 46 | 0 43 | 12 58 | 1 49 | 5 43 | 14 1 | 16 56 | 17 26 | 6 53 | 13 26 | 0 52 |
| F 13 | 3 57 | 5 35 | 4 4 | 3 27 | 2 44 | 12 52 | 1 4 | 4 6 | 0 57 | 21 21 | 0 42 | 2 15 | 2 33 | 11 45 | 0 43 | 12 58 | 1 49 | 5 43 | 14 1 | 16 58 | 17 27 | 6 56 | 13 26 | 0 52 |
| S 14 | 3 34 | 10 46 | 4 38 | 4 3 | 2 26 | 12 28 | 1 6 | 3 50 | 0 57 | 21 22 | 0 42 | 2 17 | 2 33 | 11 44 | 0 43 | 12 57 | 1 49 | 5 42 | 14 1 | 17 0 | 17 28 | 7 0 | 13 25 | 0 53 |
| S 15 | 3 11 | 15 34 | 5 0 | 4 38 | 2 6 | 12 3 | 1 7 | 3 35 | 0 56 | 21 22 | 0 42 | 2 19 | 2 33 | 11 42 | 0 43 | 12 57 | 1 49 | 5 42 | 14 2 | 17 2 | 17 28 | 7 3 | 13 24 | 0 53 |
| M 16 | 2 47 | 19 48 | 5 9 | 5 10 | 1 46 | 11 38 | 1 9 | 3 19 | 0 56 | 21 22 | 0 42 | 2 21 | 2 33 | 11 41 | 0 43 | 12 57 | 1 49 | 5 42 | 14 2 | 17 4 | 17 29 | 7 6 | 13 24 | 0 53 |
| T 17 | 2 24 | 23 16 | 5 5 | 5 39 | 1 27 | 11 13 | 1 11 | 3 4 | 0 56 | 21 23 | 0 42 | 2 22 | 2 33 | 11 40 | 0 43 | 12 56 | 1 49 | 5 41 | 14 2 | 17 6 | 17 30 | 7 9 | 13 23 | 0 53 |
| W 18 | 2 1 25 | 45 4 47 | 6 5 | 1 7 | 10 47 | 1 12 | 2 48 | 0 55 | 21 23 | 0 42 | 2 24 | 2 33 | 11 39 | 0 43 | 12 56 | 1 49 | 5 41 | 14 2 | 17 7 | 17 31 | 7 12 | 13 22 | 0 53 | |
| T 19 | 1 38 | 27 2 | 4 15 | 6 27 | 0 47 | 10 21 | 1 14 | 2 32 | 0 55 | 21 23 | 0 42 | 2 26 | 2 33 | 11 37 | 0 43 | 12 55 | 1 49 | 5 41 | 14 3 | 17 7 | 17 32 | 7 15 | 13 21 | 0 53 |
| F 20 | 1 14 | 26 58 | 3 30 | 6 45 | 0 29 | 9 55 | 1 15 | 2 17 | 0 55 | 21 23 | 0 42 | 2 28 | 2 33 | 11 36 | 0 43 | 12 55 | 1 50 | 5 40 | 14 3 | 17 7 | 17 33 | 7 18 | 13 21 | 0 53 |
| S 21 | 0 51 | 25 24 | 2 33 | 6 58 | 0 11 | 9 29 | 1 16 | 2 1 | 0 55 | 21 23 | 0 42 | 2 30 | 2 33 | 11 35 | 0 43 | 12 55 | 1 50 | 5 40 | 14 3 | 17 7 | 17 34 | 7 21 | 13 20 | 0 53 |
| S 22 | 0 28 | 22 22 | 1 27 | 7 6 | 0n 6 | 9 2 | 1 18 | 1 45 | 0 54 | 21 23 | 0 42 | 2 32 | 2 34 | 11 34 | 0 43 | 12 54 | 1 50 | 5 40 | 14 3 | 17 7 | 17 34 | 7 24 | 13 19 | 0 54 |
| M 23 | 0 4 | 17 57 | 0 13 | 7 10 | 0 22 | 8 35 | 1 19 | 1 29 | 0 54 | 21 23 | 0 42 | 2 34 | 2 34 | 11 33 | 0 43 | 12 54 | 1 50 | 5 39 | 14 4 | 17 7 | 17 35 | 7 27 | 13 18 | 0 54 |
| T 24 | 0s19 | 12 23 | 1s 5 | 7 9 | 0 37 | 8 7 | 1 20 | 1 14 | 0 54 | 21 23 | 0 42 | 2 36 | 2 34 | 11 31 | 0 43 | 12 53 | 1 50 | 5 39 | 14 4 | 17 7 | 17 36 | 7 30 | 13 18 | 0 54 |
| W 25 | 0 43 | 5 58 | 2 19 | 7 4 | 0 50 | 7 40 | 1 21 | 0 58 | 0 53 | 21 23 | 0 42 | 2 38 | 2 34 | 11 30 | 0 43 | 12 53 | 1 50 | 5 39 | 14 4 | 17 7 | 17 37 | 7 33 | 13 17 | 0 54 |
| T 26 | 1 6 | 0s54 | 3 26 | 6 54 | 1 2 | 7 12 | 1 22 | 0 42 | 0 53 | 21 23 | 0 42 | 2 39 | 2 34 | 11 29 | 0 43 | 12 53 | 1 50 | 5 38 | 14 4 | 17 9 | 17 38 | 7 37 | 13 16 | 0 54 |
| F 27 | 1 29 | 7 46 | 4 19 | 6 40 | 1 13 | 6 44 | 1 23 | 0 26 | 0 53 | 21 23 | 0 42 | 2 41 | 2 34 | 11 28 | 0 43 | 12 52 | 1 50 | 5 38 | 14 4 | 17 11 | 17 39 | 7 40 | 13 15 | 0 54 |
| S 28 | 1 53 | 14 10 | 4 53 | 6 22 | 1 23 | 6 16 | 1 24 | 0 11 | 0 52 | 21 23 | 0 42 | 2 43 | 2 34 | 11 27 | 0 43 | 12 52 | 1 50 | 5 38 | 14 5 | 17 13 | 17 40 | 7 43 | 13 14 | 0 54 |
| S 29 | 2 16 | 19 38 | 5 6 | 6 0 | 1 31 | 5 47 | 1 25 | 0s 5 | 0 52 | 21 23 | 0 42 | 2 45 | 2 34 | 11 26 | 0 43 | 12 51 | 1 50 | | | | | | | |

SWISS EPHEMERIS for the year 1878

OCTOBER 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|
| T 1 | 0 38 22 | 7 ^h 40 ^m 36 ^s | 8 ^h 58 ^m | 21 ^h 06 ^m | 21 ^h 08 ^m | 3 ^h 31 ^m | 27 ^h 25 ^m | 28 ^h R50 | 2 ^h 09 ^m | 9 ^h R13 | 26 ^h R16 | 11 ^h R37 | 10 ^h 11 ^m | 9 ^h 34 ^m | 7 ^h R35 |
| W 2 | 0 42 19 | 8 ^h 39 ^m 41 ^s | 22 ^h 47 ^m | 22 ^h 35 ^m | 22 ^h 23 ^m | 4 ^h 10 ^m | 27 ^h 26 ^m | 28 ^h 46 ^m | 2 ^h 13 ^m | 9 ^h R12 | 26 ^h 15 ^m | 11 ^h R34 | 10 ^h 8 ^m | 9 ^h 41 ^m | 7 ^h R33 |
| T 3 | 0 46 15 | 9 ^h 38 ^m 47 ^s | 6 ^h 37 ^m | 24 ^h 8 ^m | 23 ^h 37 ^m | 4 ^h 49 ^m | 27 ^h 28 ^m | 28 ^h 41 ^m | 2 ^h 16 ^m | 9 ^h 10 ^m | 26 ^h 14 ^m | 11 ^h D33 | 10 ^h 5 ^m | 9 ^h 48 ^m | 7 ^h 30 ^m |
| F 4 | 0 50 12 | 10 ^h 37 ^m 55 ^s | 19 ^h 2 ^m | 25 ^h 43 ^m | 24 ^h 52 ^m | 5 ^h 28 ^m | 27 ^h 30 ^m | 28 ^h 37 ^m | 2 ^h 19 ^m | 9 ^h 9 ^m | 26 ^h 14 ^m | 11 ^h 33 ^m | 10 ^h 2 ^m | 9 ^h 54 ^m | 7 ^h 28 ^m |
| S 5 | 0 54 8 | 11 ^h 37 ^m 05 ^s | 1 ^h 36 ^m | 27 ^h 21 ^m | 26 ^h 6 ^m | 6 ^h 7 ^m | 27 ^h 32 ^m | 28 ^h 32 ^m | 2 ^h 22 ^m | 9 ^h 7 ^m | 26 ^h 13 ^m | 11 ^h 34 ^m | 9 ^h 59 ^m | 10 ^h 1 ^m | 7 ^h 25 ^m |
| S 6 | 0 58 5 | 12 ^h 36 ^m 17 ^s | 13 ^h 53 ^m | 29 ^h 1 ^m | 27 ^h 21 ^m | 6 ^h 46 ^m | 27 ^h 35 ^m | 28 ^h 28 ^m | 2 ^h 25 ^m | 9 ^h 6 ^m | 26 ^h 12 ^m | 11 ^h R34 | 9 ^h 55 ^m | 10 ^h 8 ^m | 7 ^h 22 ^m |
| M 7 | 1 2 2 | 13 ^h 35 ^m 30 ^s | 25 ^h 58 ^m | 0 ^h 43 ^m | 28 ^h 36 ^m | 7 ^h 25 ^m | 27 ^h 37 ^m | 28 ^h 23 ^m | 2 ^h 28 ^m | 9 ^h 4 ^m | 26 ^h 11 ^m | 11 ^h 33 ^m | 9 ^h 52 ^m | 10 ^h 14 ^m | 7 ^h 20 ^m |
| T 8 | 1 5 58 | 14 ^h 34 ^m 45 ^s | 7 ^h 56 ^m | 2 ^h 25 ^m | 29 ^h 50 ^m | 8 ^h 4 ^m | 27 ^h 40 ^m | 28 ^h 19 ^m | 2 ^h 31 ^m | 9 ^h 3 ^m | 26 ^h 11 ^m | 11 ^h 30 ^m | 9 ^h 49 ^m | 10 ^h 21 ^m | 7 ^h 17 ^m |
| W 9 | 1 9 55 | 15 ^h 34 ^m 03 ^s | 19 ^h 48 ^m | 4 ^h 9 ^m | 1 ^h 5 ^m | 8 ^h 43 ^m | 27 ^h 43 ^m | 28 ^h 15 ^m | 2 ^h 34 ^m | 9 ^h 1 ^m | 26 ^h 10 ^m | 11 ^h 24 ^m | 9 ^h 46 ^m | 10 ^h 28 ^m | 7 ^h 14 ^m |
| T 10 | 1 13 51 | 16 ^h 33 ^m 22 ^s | 1 ^h 39 ^m | 5 ^h 53 ^m | 2 ^h 20 ^m | 9 ^h 22 ^m | 27 ^h 46 ^m | 28 ^h 10 ^m | 2 ^h 37 ^m | 9 ^h 0 ^m | 26 ^h 9 ^m | 11 ^h 15 ^m | 9 ^h 43 ^m | 10 ^h 34 ^m | 7 ^h 12 ^m |
| F 11 | 1 17 48 | 17 ^h 32 ^m 43 ^s | 13 ^h 30 ^m | 7 ^h 37 ^m | 3 ^h 35 ^m | 10 ^h 2 ^m | 27 ^h 49 ^m | 28 ^h 6 ^m | 2 ^h 40 ^m | 8 ^h 58 ^m | 26 ^h 8 ^m | 11 ^h 4 ^m | 9 ^h 40 ^m | 10 ^h 41 ^m | 7 ^h 9 ^m |
| S 12 | 1 21 44 | 18 ^h 32 ^m 06 ^s | 25 ^h 23 ^m | 9 ^h 22 ^m | 4 ^h 49 ^m | 10 ^h 41 ^m | 27 ^h 53 ^m | 28 ^h 2 ^m | 2 ^h 43 ^m | 8 ^h 57 ^m | 26 ^h 7 ^m | 10 ^h 51 ^m | 9 ^h 36 ^m | 10 ^h 48 ^m | 7 ^h 6 ^m |
| S 13 | 1 25 41 | 19 ^h 31 ^m 31 ^s | 7 ^h 20 ^m | 11 ^h 6 ^m | 6 ^h 4 ^m | 11 ^h 20 ^m | 27 ^h 56 ^m | 27 ^h 58 ^m | 2 ^h 46 ^m | 8 ^h 55 ^m | 26 ^h 6 ^m | 10 ^h 38 ^m | 9 ^h 33 ^m | 10 ^h 55 ^m | 7 ^h 3 ^m |
| M14 | 1 29 37 | 20 ^h 30 ^m 58 ^s | 19 ^h 21 ^m | 12 ^h 51 ^m | 7 ^h 19 ^m | 11 ^h 59 ^m | 28 ^h 0 ^m | 27 ^h 54 ^m | 2 ^h 49 ^m | 8 ^h 54 ^m | 26 ^h 6 ^m | 10 ^h 26 ^m | 9 ^h 30 ^m | 11 ^h 1 ^m | 7 ^h 0 ^m |
| T 15 | 1 33 34 | 21 ^h 30 ^m 28 ^s | 1 ^h 29 ^m | 14 ^h 35 ^m | 8 ^h 34 ^m | 12 ^h 39 ^m | 28 ^h 4 ^m | 27 ^h 49 ^m | 2 ^h 52 ^m | 8 ^h 52 ^m | 26 ^h 5 ^m | 10 ^h 15 ^m | 9 ^h 27 ^m | 11 ^h 8 ^m | 6 ^h 58 ^m |
| W16 | 1 37 30 | 22 ^h 29 ^m 59 ^s | 13 ^h 44 ^m | 16 ^h 19 ^m | 9 ^h 49 ^m | 13 ^h 18 ^m | 28 ^h 8 ^m | 27 ^h 45 ^m | 2 ^h 54 ^m | 8 ^h 50 ^m | 26 ^h 4 ^m | 10 ^h 6 ^m | 9 ^h 24 ^m | 11 ^h 15 ^m | 6 ^h 55 ^m |
| T 17 | 1 41 27 | 23 ^h 29 ^m 33 ^s | 26 ^h 11 ^m | 18 ^h 3 ^m | 11 ^h 4 ^m | 13 ^h 57 ^m | 28 ^h 13 ^m | 27 ^h 41 ^m | 2 ^h 57 ^m | 8 ^h 49 ^m | 26 ^h 3 ^m | 10 ^h 1 ^m | 9 ^h 20 ^m | 11 ^h 21 ^m | 6 ^h 52 ^m |
| F 18 | 1 45 24 | 24 ^h 29 ^m 10 ^s | 8 ^h 52 ^m | 19 ^h 46 ^m | 12 ^h 19 ^m | 14 ^h 37 ^m | 28 ^h 17 ^m | 27 ^h 38 ^m | 3 ^h 0 ^m | 8 ^h 47 ^m | 26 ^h 2 ^m | 9 ^h 58 ^m | 9 ^h 17 ^m | 11 ^h 28 ^m | 6 ^h 49 ^m |
| S 19 | 1 49 20 | 25 ^h 28 ^m 48 ^s | 21 ^h 50 ^m | 21 ^h 28 ^m | 13 ^h 34 ^m | 15 ^h 16 ^m | 28 ^h 22 ^m | 27 ^h 34 ^m | 3 ^h 2 ^m | 8 ^h 46 ^m | 26 ^h 1 ^m | 9 ^h D57 | 9 ^h 14 ^m | 11 ^h 35 ^m | 6 ^h 46 ^m |
| S 20 | 1 53 17 | 26 ^h 28 ^m 29 ^s | 5 ^h 10 ^m | 23 ^h 11 ^m | 14 ^h 49 ^m | 15 ^h 56 ^m | 28 ^h 27 ^m | 27 ^h 30 ^m | 3 ^h 5 ^m | 8 ^h 44 ^m | 26 ^h 0 ^m | 9 ^h R57 | 9 ^h 11 ^m | 11 ^h 41 ^m | 6 ^h 43 ^m |
| M21 | 1 57 13 | 27 ^h 28 ^m 12 ^s | 18 ^h 54 ^m | 24 ^h 52 ^m | 16 ^h 4 ^m | 16 ^h 35 ^m | 28 ^h 32 ^m | 27 ^h 26 ^m | 3 ^h 8 ^m | 8 ^h 42 ^m | 25 ^h 59 ^m | 9 ^h 56 ^m | 9 ^h 8 ^m | 11 ^h 48 ^m | 6 ^h 40 ^m |
| T 22 | 2 1 10 | 28 ^h 27 ^m 57 ^s | 3 ^h 04 ^m | 26 ^h 33 ^m | 17 ^h 19 ^m | 17 ^h 15 ^m | 28 ^h 37 ^m | 27 ^h 23 ^m | 3 ^h 10 ^m | 8 ^h 41 ^m | 25 ^h 58 ^m | 9 ^h 55 ^m | 9 ^h 5 ^m | 11 ^h 55 ^m | 6 ^h 37 ^m |
| W23 | 2 5 6 | 29 ^h 27 ^m 45 ^s | 17 ^h 39 ^m | 28 ^h 14 ^m | 18 ^h 34 ^m | 17 ^h 54 ^m | 28 ^h 42 ^m | 27 ^h 19 ^m | 3 ^h 13 ^m | 8 ^h 39 ^m | 25 ^h 57 ^m | 9 ^h 51 ^m | 9 ^h 1 ^m | 12 ^h 2 ^m | 6 ^h 34 ^m |
| T 24 | 2 9 3 | 0 ^h 27 ^m 35 ^s | 2 ^h 36 ^m | 29 ^h 54 ^m | 19 ^h 49 ^m | 18 ^h 34 ^m | 28 ^h 48 ^m | 27 ^h 15 ^m | 3 ^h 15 ^m | 8 ^h 37 ^m | 25 ^h 56 ^m | 9 ^h 44 ^m | 8 ^h 58 ^m | 12 ^h 8 ^m | 6 ^h 31 ^m |
| F 25 | 2 12 59 | 1 ^h 27 ^m 27 ^s | 17 ^h 48 ^m | 1 ^h 33 ^m | 21 ^h 5 ^m | 19 ^h 13 ^m | 28 ^h 54 ^m | 27 ^h 12 ^m | 3 ^h 17 ^m | 8 ^h 36 ^m | 25 ^h 55 ^m | 9 ^h 35 ^m | 8 ^h 55 ^m | 12 ^h 15 ^m | 6 ^h 28 ^m |
| S 26 | 2 16 56 | 2 ^h 27 ^m 20 ^s | 3 ^h 04 ^m | 3 ^h 12 ^m | 22 ^h 20 ^m | 19 ^h 53 ^m | 29 ^h 0 ^m | 27 ^h 9 ^m | 3 ^h 20 ^m | 8 ^h 34 ^m | 25 ^h 54 ^m | 9 ^h 23 ^m | 8 ^h 52 ^m | 12 ^h 22 ^m | 6 ^h 25 ^m |
| S 27 | 2 20 53 | 3 ^h 27 ^m 16 ^s | 18 ^h 13 ^m | 4 ^h 51 ^m | 23 ^h 35 ^m | 20 ^h 33 ^m | 29 ^h 6 ^m | 27 ^h 5 ^m | 3 ^h 22 ^m | 8 ^h 32 ^m | 25 ^h 53 ^m | 9 ^h 12 ^m | 8 ^h 49 ^m | 12 ^h 28 ^m | 6 ^h 22 ^m |
| M28 | 2 24 49 | 4 ^h 27 ^m 14 ^s | 3 ^h 57 ^m | 6 ^h 28 ^m | 24 ^h 50 ^m | 21 ^h 12 ^m | 29 ^h 12 ^m | 27 ^h 2 ^m | 3 ^h 24 ^m | 8 ^h 31 ^m | 25 ^h 52 ^m | 9 ^h 1 ^m | 8 ^h 45 ^m | 12 ^h 35 ^m | 6 ^h 19 ^m |
| T 29 | 2 28 46 | 5 ^h 27 ^m 14 ^s | 17 ^h 43 ^m | 8 ^h 6 ^m | 26 ^h 5 ^m | 21 ^h 52 ^m | 29 ^h 19 ^m | 26 ^h 59 ^m | 3 ^h 27 ^m | 8 ^h 29 ^m | 25 ^h 51 ^m | 8 ^h 53 ^m | 8 ^h 42 ^m | 12 ^h 42 ^m | 6 ^h 16 ^m |
| W30 | 2 32 42 | 6 ^h 27 ^m 15 ^s | 1 ^h 38 ^m | 9 ^h 43 ^m | 27 ^h 20 ^m | 22 ^h 32 ^m | 29 ^h 25 ^m | 26 ^h 56 ^m | 3 ^h 29 ^m | 8 ^h 27 ^m | 25 ^h 50 ^m | 8 ^h 47 ^m | 8 ^h 39 ^m | 12 ^h 49 ^m | 6 ^h 13 ^m |
| T 31 | 2 36 39 | 7 ^h 27 ^m 18 ^s | 14 ^h 35 ^m | 11 ^h 19 ^m | 28 ^h 36 ^m | 23 ^h 12 ^m | 29 ^h 32 ^m | 26 ^h 53 ^m | 3 ^h 31 ^m | 8 ^h 26 ^m | 25 ^h 49 ^m | 8 ^h 43 ^m | 8 ^h 36 ^m | 12 ^h 55 ^m | 6 ^h 10 ^m |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|-----|------|-------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 3s 3 | 26s17 | 4s32 | 5n 7 | 1n43 | 4n50 | 1n26 | 0s37 | 0n51 | 21s22 | 0s41 | 2s49 | 2s34 | 11n23 | 0n43 | 12n50 | 1s50 | 5n37 | 14s 5 | 17s19 | 17s42 | 7n52 | 13n11 | 0s55 |
| W 2 | 3 26 | 27 6 | 3 51 | 4 36 | 1 48 | 4 21 | 1 27 | 0 53 | 0 51 | 21 22 | 0 41 | 2 50 | 2 34 | 11 22 | 0 43 | 12 50 | 1 50 | 5 36 | 14 5 | 17 20 | 17 43 | 7 55 | 13 10 | 0 55 |
| T 3 | 3 49 | 26 17 | 2 58 | 4 2 | 1 52 | 3 52 | 1 27 | 1 8 | 0 50 | 21 22 | 0 41 | 2 52 | 2 34 | 11 21 | 0 43 | 12 49 | 1 50 | 5 36 | 14 6 | 17 20 | 17 44 | 7 58 | 13 10 | 0 55 |
| F 4 | 4 13 | 24 3 | 1 58 | 3 27 | 1 54 | 3 23 | 1 28 | 1 24 | 0 50 | 21 21 | 0 41 | 2 54 | 2 34 | 11 20 | 0 43 | 12 49 | 1 50 | 5 36 | 14 6 | 17 20 | 17 45 | 8 1 | 13 9 | 0 55 |
| S 5 | 4 36 | 20 41 | 0 53 | 2 49 | 1 56 | 2 54 | 1 28 | 1 40 | 0 50 | 21 21 | 0 41 | 2 56 | 2 34 | 11 19 | 0 43 | 12 48 | 1 50 | 5 35 | 14 6 | 17 20 | 17 46 | 8 4 | 13 8 | 0 55 |
| S 6 | 4 59 | 16 28 | 0n12 | 2 10 | 1 56 | 2 24 | 1 28 | 1 56 | 0 49 | 21 20 | 0 41 | 2 58 | 2 34 | 11 18 | 0 43 | 12 48 | 1 50 | 5 35 | 14 6 | 17 20 | 17 46 | 8 7 | 13 7 | 0 55 |
| M 7 | 5 22 | 11 41 | 1 16 | 1 29 | 1 56 | 1 55 | 1 29 | 2 12 | 0 49 | 21 20 | 0 41 | 2 59 | 2 33 | 11 17 | 0 43 | 12 47 | 1 50 | 5 35 | 14 6 | 17 20 | 17 47 | 8 10 | 13 6 | 0 55 |
| T 8 | 5 45 | 6 30 | 2 16 | 0 48 | 1 55 | 1 25 | 1 29 | 2 27 | 0 49 | 21 19 | 0 41 | 3 1 | 2 33 | 11 16 | 0 43 | 12 47 | 1 50 | 5 34 | 14 6 | 17 21 | 17 48 | 8 13 | 13 5 | 0 55 |
| W 9 | 6 8 | 1 9 | 3 9 | 0 | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1878

NOVEMBER 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|------|-------|--------|-------|------|--------|-------|
| F 1 | 2 40 35 | 8♍27'23 | 27♃54 | 12♌55 | 29♌51 | 23♌51 | 29♃39 | 26°R50 | 3♉33 | 8°R24 | 25°R48 | 8°R42 | 8♌33 | 13°V 2 | 6°R 7 |
| S 2 | 2 44 32 | 9°27'29 | 10♌29 | 14°31 | 1♌ 6 | 24°31 | 29°46 | 26♁47 | 3°35 | 8♃22 | 25♃47 | 8♌42 | 8°30 | 13° 9 | 6♃ 4 |
| S 3 | 2 48 28 | 10°27'36 | 22°45 | 16° 6 | 2°21 | 25°11 | 29°53 | 26°45 | 3°37 | 8°20 | 25°46 | 8°42 | 8°26 | 13°15 | 6° 1 |
| M 4 | 2 52 25 | 11°27'45 | 4♁48 | 17°40 | 3°37 | 25°51 | 0♌ 0 | 26°42 | 3°39 | 8°19 | 25°45 | 8°40 | 8°23 | 13°22 | 5°58 |
| T 5 | 2 56 22 | 12°27'56 | 16°42 | 19°15 | 4°52 | 26°31 | 0° 8 | 26°39 | 3°41 | 8°17 | 25°43 | 8°36 | 8°20 | 13°29 | 5°55 |
| W 6 | 3 0 18 | 13°28'08 | 28°33 | 20°48 | 6° 7 | 27°11 | 0°16 | 26°37 | 3°43 | 8°15 | 25°42 | 8°30 | 8°17 | 13°36 | 5°53 |
| T 7 | 3 4 15 | 14°28'22 | 10♃23 | 22°22 | 7°23 | 27°51 | 0°23 | 26°35 | 3°45 | 8°14 | 25°41 | 8°20 | 8°14 | 13°42 | 5°50 |
| F 8 | 3 8 11 | 15°28'37 | 22°16 | 23°55 | 8°38 | 28°31 | 0°31 | 26°32 | 3°46 | 8°12 | 25°40 | 8° 8 | 8°11 | 13°49 | 5°47 |
| S 9 | 3 12 8 | 16°28'54 | 4♃14 | 25°28 | 9°53 | 29°11 | 0°39 | 26°30 | 3°48 | 8°10 | 25°39 | 7°54 | 8° 7 | 13°56 | 5°44 |
| S 10 | 3 16 4 | 17°29'13 | 16°18 | 27° 0 | 11° 9 | 29°51 | 0°48 | 26°28 | 3°50 | 8° 9 | 25°38 | 7°39 | 8° 4 | 14° 2 | 5°41 |
| M 11 | 3 20 1 | 18°29'33 | 28°29 | 28°33 | 12°24 | 0♌31 | 0°56 | 26°26 | 3°51 | 8° 7 | 25°37 | 7°25 | 8° 1 | 14° 9 | 5°38 |
| T 12 | 3 23 57 | 19°29'56 | 10♃49 | 0♃ 5 | 13°39 | 1°11 | 1° 5 | 26°24 | 3°53 | 8° 5 | 25°36 | 7°13 | 7°58 | 14°16 | 5°35 |
| W 13 | 3 27 54 | 20°30'20 | 23°17 | 1°36 | 14°55 | 1°51 | 1°13 | 26°22 | 3°54 | 8° 4 | 25°35 | 7° 4 | 7°55 | 14°23 | 5°32 |
| T 14 | 3 31 51 | 21°30'45 | 5♃55 | 3° 7 | 16°10 | 2°31 | 1°22 | 26°21 | 3°56 | 8° 2 | 25°33 | 6°57 | 7°51 | 14°29 | 5°29 |
| F 15 | 3 35 47 | 22°31'13 | 18°45 | 4°39 | 17°25 | 3°11 | 1°31 | 26°19 | 3°57 | 8° 1 | 25°32 | 6°54 | 7°48 | 14°36 | 5°26 |
| S 16 | 3 39 44 | 23°31'42 | 1♃48 | 6° 9 | 18°41 | 3°52 | 1°40 | 26°18 | 3°59 | 7°59 | 25°31 | 6°D52 | 7°45 | 14°43 | 5°24 |
| S 17 | 3 43 40 | 24°32'14 | 15° 7 | 7°40 | 19°56 | 4°32 | 1°49 | 26°16 | 4° 0 | 7°57 | 25°30 | 6°52 | 7°42 | 14°49 | 5°21 |
| M 18 | 3 47 37 | 25°32'46 | 28°45 | 9°10 | 21°12 | 5°12 | 1°59 | 26°15 | 4° 1 | 7°56 | 25°29 | 6°R52 | 7°39 | 14°56 | 5°18 |
| T 19 | 3 51 33 | 26°33'21 | 12♃43 | 10°40 | 22°27 | 5°52 | 2° 8 | 26°14 | 4° 2 | 7°54 | 25°28 | 6°51 | 7°36 | 15° 3 | 5°15 |
| W 20 | 3 55 30 | 27°33'58 | 27° 1 | 12° 9 | 23°43 | 6°33 | 2°18 | 26°13 | 4° 3 | 7°53 | 25°27 | 6°48 | 7°32 | 15° 9 | 5°13 |
| T 21 | 3 59 26 | 28°34'36 | 11♃37 | 13°38 | 24°58 | 7°13 | 2°27 | 26°12 | 4° 5 | 7°51 | 25°26 | 6°42 | 7°29 | 15°16 | 5°10 |
| F 22 | 4 3 23 | 29°35'16 | 26°28 | 15° 7 | 26°13 | 7°54 | 2°37 | 26°11 | 4° 6 | 7°49 | 25°24 | 6°34 | 7°26 | 15°23 | 5° 7 |
| S 23 | 4 7 20 | 0♃35'58 | 11♌25 | 16°35 | 27°29 | 8°34 | 2°47 | 26°10 | 4° 7 | 7°48 | 25°23 | 6°24 | 7°23 | 15°30 | 5° 5 |
| S 24 | 4 11 16 | 1°36'41 | 26°20 | 18° 3 | 28°44 | 9°15 | 2°57 | 26°10 | 4° 7 | 7°46 | 25°22 | 6°14 | 7°20 | 15°36 | 5° 2 |
| M 25 | 4 15 13 | 2°37'25 | 11♃ 3 | 19°30 | 29°59 | 9°55 | 3° 7 | 26° 9 | 4° 8 | 7°45 | 25°21 | 6° 4 | 7°17 | 15°43 | 4°59 |
| T 26 | 4 19 9 | 3°38'11 | 25°27 | 20°56 | 1♃15 | 10°36 | 3°17 | 26° 9 | 4° 9 | 7°43 | 25°20 | 5°56 | 7°13 | 15°50 | 4°57 |
| W 27 | 4 23 6 | 4°38'58 | 9♃25 | 22°22 | 2°31 | 11°16 | 3°28 | 26° 8 | 4°10 | 7°42 | 25°19 | 5°50 | 7°10 | 15°56 | 4°54 |
| T 28 | 4 27 2 | 5°39'47 | 22°56 | 23°47 | 3°46 | 11°57 | 3°38 | 26° 8 | 4°11 | 7°40 | 25°18 | 5°47 | 7° 7 | 16° 3 | 4°52 |
| F 29 | 4 30 59 | 6°40'36 | 6♌ 1 | 25°11 | 5° 2 | 12°38 | 3°49 | 26°D 8 | 4°11 | 7°39 | 25°17 | 5°D46 | 7° 4 | 16°10 | 4°49 |
| S 30 | 4 34 56 | 7♃41'26 | 18♌41 | 26♃34 | 6♃17 | 13♌18 | 4♌ 0 | 26♁ 8 | 4♉12 | 7♃38 | 25♃16 | 5♌47 | 7♌ 1 | 16°V17 | 4♃47 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| F 1 | 14s20 | 21s32 | 0s57 | 15s56 | 0s13 | 10s17 | 1n14 | 8s40 | 0n39 | 20s54 | 0s41 | 3s34 | 2s31 | 10n54 | 0n44 |
| S 2 | 14 39 | 17 28 | 0n 9 | 16 31 | 0 20 | 10 44 | 1 12 | 8 55 | 0 39 | 20 53 | 0 41 | 3 35 | 2 31 | 10 53 | 0 44 |
| S 3 | 14 58 | 12 47 | 1 14 | 17 6 | 0 27 | 11 12 | 1 11 | 9 10 | 0 38 | 20 51 | 0 41 | 3 36 | 2 31 | 10 53 | 0 44 |
| M 4 | 15 17 | 7 41 | 2 13 | 17 39 | 0 33 | 11 39 | 1 9 | 9 25 | 0 38 | 20 50 | 0 41 | 3 37 | 2 30 | 10 52 | 0 44 |
| T 5 | 15 35 | 2 23 | 3 6 | 18 11 | 0 40 | 12 5 | 1 8 | 9 39 | 0 37 | 20 48 | 0 41 | 3 38 | 2 30 | 10 51 | 0 44 |
| W 6 | 15 54 | 2n57 | 3 51 | 18 43 | 0 46 | 12 32 | 1 6 | 9 54 | 0 37 | 20 46 | 0 41 | 3 38 | 2 30 | 10 51 | 0 44 |
| T 7 | 16 12 | 8 11 | 4 25 | 19 13 | 0 53 | 12 58 | 1 4 | 10 9 | 0 36 | 20 45 | 0 41 | 3 39 | 2 30 | 10 50 | 0 44 |
| F 8 | 16 29 | 13 8 | 4 48 | 19 43 | 0 59 | 13 24 | 1 3 | 10 24 | 0 36 | 20 43 | 0 41 | 3 40 | 2 30 | 10 49 | 0 45 |
| S 9 | 16 47 | 17 37 | 4 59 | 20 12 | 1 5 | 13 49 | 1 1 | 10 38 | 0 35 | 20 41 | 0 41 | 3 41 | 2 29 | 10 49 | 0 45 |
| S 10 | 17 4 21 | 27 4 | 5 56 | 20 39 | 1 11 | 14 15 | 0 59 | 10 53 | 0 35 | 20 39 | 0 41 | 3 41 | 2 29 | 10 48 | 0 45 |
| M 11 | 17 21 | 24 23 | 4 40 | 21 6 | 1 17 | 14 39 | 0 57 | 11 7 | 0 34 | 20 37 | 0 41 | 3 42 | 2 29 | 10 48 | 0 45 |
| T 12 | 17 37 | 26 13 | 4 10 | 21 32 | 1 23 | 15 4 | 0 56 | 11 22 | 0 34 | 20 36 | 0 41 | 3 42 | 2 29 | 10 47 | 0 45 |
| W 13 | 17 53 | 26 46 | 3 29 | 21 56 | 1 28 | 15 28 | 0 54 | 11 36 | 0 33 | 20 34 | 0 41 | 3 43 | 2 29 | 10 47 | 0 45 |
| T 14 | 18 9 25 | 55 2 | 3 6 | 22 20 | 1 34 | 15 52 | 0 52 | 11 50 | 0 33 | 20 32 | 0 40 | 3 43 | 2 28 | 10 46 | 0 45 |
| F 15 | 18 25 | 23 42 | 1 34 | 22 42 | 1 39 | 16 15 | 0 50 | 12 5 | 0 33 | 20 30 | 0 40 | 3 44 | 2 28 | 10 46 | 0 45 |
| S 16 | 18 40 | 20 13 | 0 27 | 23 3 | 1 44 | 16 38 | 0 48 | 12 19 | 0 32 | 20 28 | 0 40 | 3 44 | 2 28 | 10 45 | 0 45 |
| S 17 | 18 55 | 15 37 | 0s44 | 23 24 | 1 49 | 17 0 | 0 46 | 12 33 | 0 32 | 20 26 | 0 40 | 3 45 | 2 28 | 10 45 | 0 45 |
| M 18 | 19 10 | 10 9 | 1 53 | 23 43 | 1 53 | 17 22 | 0 44 | 12 47 | 0 31 | 20 23 | 0 40 | 3 45 | 2 28 | 10 44 | 0 45 |
| T 19 | 19 24 | 4 3 | 2 58 | 24 0 | 1 58 | 17 44 | 0 42 | 13 1 | 0 31 | 20 21 | 0 40 | 3 45 | 2 27 | 10 44 | 0 45 |
| W 20 | 19 38 | 2s23 | 3 53 | 24 17 | 2 2 | 18 5 | 0 39 | 13 14 | 0 30 | 20 19 | 0 40 | 3 45 | 2 27 | 10 44 | 0 45 |
| T 21 | 19 51 | 8 48 | 4 34 | 24 32 | 2 6 | 18 25 | 0 37 | 13 28 | 0 30 | 20 17 | 0 40 | 3 46 | 2 27 | 10 43 | 0 45 |
| F 22 | 20 5 14 | 50 4 | 5 8 | 24 46 | 2 9 | 18 45 | 0 35 | 13 42 | 0 29 | 20 15 | 0 40 | 3 46 | 2 27 | 10 43 | 0 45 |
| S 23 | 20 17 | 20 2 | 5 1 | 24 59 | 2 13 | 19 5 | 0 33 | 13 55 | 0 29 | 20 12 | 0 40 | 3 46 | 2 27 | 10 43 | 0 45 |
| S 24 | 20 30 | 23 57 | 4 44 | 25 10 | 2 16 | 19 24 | 0 31 | 14 8 | 0 28 | 20 10 | 0 40 | 3 46 | 2 26 | 10 42 | 0 45 |
| M 25 | 20 42 | 26 13 | 4 9 | 25 20 | 2 18 | 19 42 | 0 28 | 14 22 | 0 28 | 20 8 | 0 40 | 3 46 | 2 26 | 10 42 | 0 45 |
| T 26 | 20 54 | 26 40 | 3 18 | 25 29 | 2 20 | 20 0 | 0 26 | 14 35 | 0 27 | 20 5 | 0 40 | 3 46 | 2 26 | 10 42 | 0 45 |
| W 27 | 21 5 25 | 23 2 | 1 6 | 25 36 | 2 22 | 20 17 | 0 24 | 14 48 | 0 27 | 20 3 | 0 40 | 3 46 | 2 26 | 10 42 | 0 45 |
| T 28 | 21 16 | 22 37 | 1 8 | 25 42 | 2 23 | 20 34 | 0 21 | 15 1 | 0 26 | 20 0 | 0 40 | 3 46 | 2 26 | 10 41 | 0 45 |
| F 29 | 21 26 | 18 46 | 0n 1 | 25 46 | 2 24 | 20 50 | 0 19 | 15 14 | 0 25 | 19 58 | 0 40 | 3 46 | 2 25 | 10 41 | 0 45 |
| S 30 | 21s36 | 14s 9 | 1n 9 | 25s49 | 2s25 | 21s 6 | 0n17 | 15s27 | 0n25 | 19s55 | 0s40 | 3s45 | 2s25 | 10n41 | 0n45 |

Julian Day Number = 2407289.5, Delta T = -5.14 sec
 Ecliptic obliquity = 23°27'24", Nutation = 0°00'12"
 Ayanamsha: Fagan/Bradley = 23°02'54", Lahiri = 22°09'54"

SWISS EPHEMERIS for the year 1878

DECEMBER 1878

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|------|--------|-------|
| S 1 | 4 38 52 | 8°42'17 | 1♁ 1 | 27♁56 | 7♁33 | 13♁59 | 4♁11 | 26♁ 8 | 4♁12 | 7°R36 | 25°R14 | 5♁48 | 6♁57 | 16°V23 | 4°R45 |
| M 2 | 4 42 49 | 9°43'08 | 13° 6 | 29°16 | 8°48 | 14°40 | 4°22 | 26° 8 | 4°13 | 7♁35 | 25°R13 | 5°R48 | 6°54 | 16°30 | 4♁42 |
| T 3 | 4 46 45 | 10°44'01 | 25° 1 | 0♁35 | 10° 4 | 15°20 | 4°33 | 26° 9 | 4°13 | 7°34 | 25°12 | 5°47 | 6°51 | 16°37 | 4°40 |
| W 4 | 4 50 42 | 11°44'54 | 6°V52 | 1°52 | 11°19 | 16° 1 | 4°44 | 26° 9 | 4°14 | 7°32 | 25°11 | 5°43 | 6°48 | 16°44 | 4°38 |
| T 5 | 4 54 38 | 12°45'48 | 18°44 | 3° 6 | 12°35 | 16°42 | 4°55 | 26°10 | 4°14 | 7°31 | 25°10 | 5°37 | 6°45 | 16°50 | 4°36 |
| F 6 | 4 58 35 | 13°46'43 | 0♁39 | 4°18 | 13°50 | 17°23 | 5° 6 | 26°10 | 4°14 | 7°30 | 25° 9 | 5°30 | 6°42 | 16°57 | 4°33 |
| S 7 | 5 2 31 | 14°47'39 | 12°41 | 5°27 | 15° 6 | 18° 4 | 5°18 | 26°11 | 4°14 | 7°28 | 25° 8 | 5°20 | 6°38 | 17° 4 | 4°31 |
| S 8 | 5 6 28 | 15°48'36 | 24°54 | 6°33 | 16°21 | 18°45 | 5°29 | 26°12 | 4°14 | 7°27 | 25° 7 | 5°10 | 6°35 | 17°10 | 4°29 |
| M 9 | 5 10 25 | 16°49'33 | 7♁17 | 7°34 | 17°37 | 19°26 | 5°41 | 26°13 | 4°14 | 7°26 | 25° 6 | 5° 1 | 6°32 | 17°17 | 4°27 |
| T 10 | 5 14 21 | 17°50'32 | 19°52 | 8°31 | 18°52 | 20° 7 | 5°53 | 26°14 | 4°R14 | 7°25 | 25° 5 | 4°53 | 6°29 | 17°24 | 4°25 |
| W 11 | 5 18 18 | 18°51'31 | 2♁38 | 9°23 | 20° 8 | 20°48 | 6° 4 | 26°15 | 4°14 | 7°23 | 25° 4 | 4°46 | 6°26 | 17°31 | 4°23 |
| T 12 | 5 22 14 | 19°52'31 | 15°36 | 10° 9 | 21°23 | 21°29 | 6°16 | 26°17 | 4°14 | 7°22 | 25° 3 | 4°42 | 6°23 | 17°37 | 4°21 |
| F 13 | 5 26 11 | 20°53'32 | 28°46 | 10°48 | 22°39 | 22°10 | 6°28 | 26°18 | 4°14 | 7°21 | 25° 2 | 4°D40 | 6°19 | 17°44 | 4°19 |
| S 14 | 5 30 7 | 21°54'34 | 12♁ 6 | 11°20 | 23°54 | 22°51 | 6°40 | 26°19 | 4°14 | 7°20 | 25° 1 | 4°40 | 6°16 | 17°51 | 4°18 |
| S 15 | 5 34 4 | 22°55'37 | 25°38 | 11°43 | 25°10 | 23°32 | 6°52 | 26°21 | 4°14 | 7°19 | 25° 0 | 4°42 | 6°13 | 17°57 | 4°16 |
| M 16 | 5 38 0 | 23°56'40 | 9♁22 | 11°56 | 26°25 | 24°13 | 7° 5 | 26°23 | 4°13 | 7°18 | 24°59 | 4°43 | 6°10 | 18° 4 | 4°14 |
| T 17 | 5 41 57 | 24°57'45 | 23°18 | 12°R 0 | 27°40 | 24°54 | 7°17 | 26°25 | 4°13 | 7°17 | 24°58 | 4°R44 | 6° 7 | 18°11 | 4°13 |
| W 18 | 5 45 54 | 25°58'50 | 7♁26 | 11°53 | 28°56 | 25°35 | 7°29 | 26°27 | 4°13 | 7°16 | 24°57 | 4°43 | 6° 3 | 18°18 | 4°11 |
| T 19 | 5 49 50 | 26°59'57 | 21°44 | 11°34 | 0♁11 | 26°17 | 7°42 | 26°29 | 4°12 | 7°15 | 24°56 | 4°41 | 6° 0 | 18°24 | 4° 9 |
| F 20 | 5 53 47 | 28° 1'04 | 6♁10 | 11° 3 | 1°27 | 26°58 | 7°54 | 26°31 | 4°12 | 7°14 | 24°55 | 4°37 | 5°57 | 18°31 | 4° 8 |
| S 21 | 5 57 43 | 29° 2'12 | 20°39 | 10°21 | 2°42 | 27°39 | 8° 7 | 26°33 | 4°11 | 7°13 | 24°54 | 4°32 | 5°54 | 18°38 | 4° 7 |
| S 22 | 6 1 40 | 0♁32'21 | 5♁ 6 | 9°28 | 3°58 | 28°21 | 8°19 | 26°35 | 4°10 | 7°12 | 24°53 | 4°26 | 5°51 | 18°44 | 4° 5 |
| M 23 | 6 5 36 | 1° 4'30 | 19°25 | 8°25 | 5°13 | 29° 2 | 8°32 | 26°38 | 4°10 | 7°11 | 24°52 | 4°21 | 5°48 | 18°51 | 4° 4 |
| T 24 | 6 9 33 | 2° 5'40 | 3♁29 | 7°13 | 6°29 | 29°44 | 8°45 | 26°40 | 4° 9 | 7°11 | 24°52 | 4°16 | 5°44 | 18°58 | 4° 3 |
| W 25 | 6 13 29 | 3° 6'50 | 17°16 | 5°56 | 7°44 | 0♁25 | 8°58 | 26°43 | 4° 8 | 7°10 | 24°51 | 4°14 | 5°41 | 19° 5 | 4° 1 |
| T 26 | 6 17 26 | 4° 8'00 | 0♁41 | 4°34 | 9° 0 | 1° 7 | 9°11 | 26°46 | 4° 7 | 7° 9 | 24°50 | 4°D12 | 5°38 | 19°11 | 4° 0 |
| F 27 | 6 21 23 | 5° 9'10 | 13°43 | 3°12 | 10°15 | 1°48 | 9°24 | 26°49 | 4° 6 | 7° 8 | 24°49 | 4°13 | 5°35 | 19°18 | 3°59 |
| S 28 | 6 25 19 | 6°10'21 | 26°25 | 1°52 | 11°31 | 2°30 | 9°37 | 26°52 | 4° 5 | 7° 8 | 24°48 | 4°14 | 5°32 | 19°25 | 3°58 |
| S 29 | 6 29 16 | 7°11'31 | 8♁48 | 0°36 | 12°46 | 3°11 | 9°50 | 26°55 | 4° 4 | 7° 7 | 24°47 | 4°16 | 5°29 | 19°31 | 3°57 |
| M 30 | 6 33 12 | 8°12'41 | 20°57 | 29♁26 | 14° 2 | 3°53 | 10° 3 | 26°58 | 4° 3 | 7° 6 | 24°47 | 4°18 | 5°25 | 19°38 | 3°56 |
| T 31 | 6 37 9 | 9♁13'51 | 2°V55 | 28♁25 | 15♁17 | 4♁35 | 10♁16 | 27♁ 1 | 4♁ 2 | 7♁ 6 | 24♁46 | 4♁19 | 5♁22 | 19°V45 | 3♁55 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| S 1 | 21s46 | 9s 5 | 2n11 | 25s51 | 2s25 | 21s21 | 0n14 | 15s39 | 0n24 | 19s53 | 0s40 | 3s45 | 2s25 | 10n41 | 0n46 | 12n19 | 1s50 | 5n20 | 14s 9 | 18s50 | 18s33 | 10n54 | 12n10 | 1s 0 |
| M 2 | 21 55 | 3 47 | 3 6 | 25 51 | 2 24 | 21 35 | 0 12 | 15 52 | 0 24 | 19 50 | 0 40 | 3 45 | 2 25 | 10 41 | 0 46 | 12 19 | 1 50 | 5 20 | 14 9 | 18 50 | 18 34 | 10 56 | 12 9 | 1 0 |
| T 3 | 22 4 | 1n35 | 3 52 | 25 50 | 2 22 | 21 49 | 0 10 | 16 4 | 0 23 | 19 48 | 0 40 | 3 45 | 2 24 | 10 41 | 0 46 | 12 19 | 1 50 | 5 20 | 14 8 | 18 50 | 18 34 | 10 59 | 12 9 | 1 0 |
| W 4 | 22 13 | 6 50 | 4 28 | 25 47 | 2 20 | 22 2 | 0 7 | 16 17 | 0 23 | 19 45 | 0 40 | 3 44 | 2 24 | 10 41 | 0 46 | 12 18 | 1 50 | 5 20 | 14 8 | 18 51 | 18 35 | 11 2 | 12 8 | 1 0 |
| T 5 | 22 21 | 11 51 | 4 53 | 25 43 | 2 18 | 22 14 | 0 5 | 16 29 | 0 22 | 19 42 | 0 40 | 3 44 | 2 24 | 10 41 | 0 46 | 12 18 | 1 50 | 5 19 | 14 8 | 18 53 | 18 36 | 11 5 | 12 7 | 1 0 |
| F 6 | 22 28 | 16 28 | 5 5 | 25 37 | 2 14 | 22 26 | 0 3 | 16 41 | 0 22 | 19 39 | 0 40 | 3 43 | 2 24 | 10 40 | 0 46 | 12 17 | 1 50 | 5 19 | 14 8 | 18 55 | 18 37 | 11 8 | 12 6 | 1 0 |
| S 7 | 22 35 | 20 28 | 5 3 | 25 30 | 2 10 | 22 37 | 0 0 | 16 53 | 0 21 | 19 37 | 0 40 | 3 43 | 2 24 | 10 40 | 0 46 | 12 17 | 1 50 | 5 19 | 14 8 | 18 57 | 18 38 | 11 11 | 12 6 | 1 0 |
| S 8 | 22 42 | 23 40 | 4 48 | 25 22 | 2 5 | 22 48 | 0s 2 | 17 5 | 0 21 | 19 34 | 0 40 | 3 42 | 2 23 | 10 40 | 0 46 | 12 17 | 1 50 | 5 19 | 14 8 | 18 59 | 18 38 | 11 14 | 12 5 | 1 0 |
| M 9 | 22 48 | 25 48 | 4 19 | 25 13 | 1 59 | 22 57 | 0 5 | 17 17 | 0 20 | 19 31 | 0 40 | 3 42 | 2 23 | 10 40 | 0 46 | 12 16 | 1 50 | 5 19 | 14 8 | 19 2 | 18 39 | 11 17 | 12 4 | 1 0 |
| T 10 | 22 54 | 26 41 | 3 38 | 25 2 | 1 51 | 23 6 | 0 7 | 17 28 | 0 19 | 19 28 | 0 40 | 3 41 | 2 23 | 10 40 | 0 46 | 12 16 | 1 50 | 5 19 | 14 8 | 19 4 | 18 40 | 11 19 | 12 3 | 1 0 |
| W 11 | 22 59 | 26 10 | 2 44 | 24 50 | 1 43 | 23 15 | 0 9 | 17 40 | 0 19 | 19 25 | 0 40 | 3 40 | 2 23 | 10 41 | 0 46 | 12 16 | 1 50 | 5 19 | 14 7 | 19 5 | 18 41 | 11 22 | 12 3 | 1 0 |
| T 12 | 23 4 | 24 13 | 1 41 | 24 37 | 1 34 | 23 22 | 0 12 | 17 51 | 0 18 | 19 22 | 0 40 | 3 40 | 2 22 | 10 41 | 0 46 | 12 15 | 1 50 | 5 19 | 14 7 | 19 6 | 18 42 | 11 25 | 12 2 | 1 0 |
| F 13 | 23 9 | 20 57 | 0 32 | 24 24 | 1 23 | 23 29 | 0 14 | 18 2 | 0 18 | 19 19 | 0 40 | 3 39 | 2 22 | 10 41 | 0 46 | 12 15 | 1 49 | 5 19 | 14 7 | 19 7 | 18 42 | 11 28 | 12 1 | 1 0 |
| S 14 | 23 13 | 16 32 | 0s40 | 24 9 | 1 11 | 23 35 | 0 17 | 18 13 | 0 17 | 19 16 | 0 40 | 3 38 | 2 22 | 10 41 | 0 46 | 12 15 | 1 49 | 5 19 | 14 7 | 19 7 | 18 43 | 11 31 | 12 1 | 1 1 |
| S 15 | 23 16 | 11 14 | 1 51 | 23 54 | 0 58 | 23 41 | 0 19 | 18 24 | 0 17 | 19 13 | 0 40 | 3 37 | 2 22 | 10 41 | 0 46 | 12 14 | 1 49 | 5 19 | 14 7 | 19 6 | 18 44 | 11 34 | 12 0 | 1 1 |
| M 16 | 23 19 | 5 20 | 2 57 | 23 38 | 0 43 | 23 46 | 0 21 | 18 35 | 0 16 | 19 10 | 0 40 | 3 36 | 2 22 | 10 41 | 0 46 | 12 14 | 1 49 | 5 19 | 14 7 | 19 6 | 18 45 | 11 37 | 11 59 | 1 1 |
| T 17 | 23 22 | 0s55 | 3 53 | 23 22 | 0 28 | 23 50 | 0 24 | 18 45 | 0 15 | 19 7 | 0 40 | 3 35 | 2 21 | 10 41 | 0 46 | 12 14 | 1 49 | 5 18 | 14 6 | 19 6 | 18 45 | 11 39 | 11 59 | 1 1 |
| W 18 | 23 24 | 7 11 | 4 36 | 23 6 | 0 11 | 23 53 | 0 26 | 18 56 | 0 15 | 19 4 | 0 40 | 3 34 | 2 21 | 10 42 | 0 46 | 12 13 | 1 49 | 5 18 | 14 6 | 19 6 | 18 46 | 11 42 | 11 58 | 1 1 |
| T 19 | 23 25 | 13 9 | 5 3 | 22 50 | 0n 7 | 23 56 | 0 28 | 19 6 | 0 14 | 19 1 | 0 40 | 3 33 | 2 21 | 10 42 | 0 46 | 12 13 | 1 49 | 5 18 | 14 6 | 19 6 | 18 47 | 11 45 | 11 58 | 1 1 |
| F 20 | 23 27 | 18 28 | 5 10 | 22 33 | 0 26 | 23 57 | 0 30 | 19 16 | 0 14 | 18 57 | 0 40 | 3 32 | 2 21 | 10 42 | 0 46 | 12 13 | 1 49 | 5 18 | 14 6 | 19 7 | 18 48 | 11 48 | 11 57 | 1 1 |
| S 21 | 23 27 | 22 43 | 4 59 | 22 17 | 0 46 | 23 58 | 0 33 | 19 26 | 0 13 | 18 54 | 0 40 | 3 31 | 2 20 | 10 42 | 0 46 | 12 13 | 1 49 | 5 18 | 14 6 | 19 9 | 18 49 | 11 51 | 11 57 | 1 1 |
| S 22 | 23 27 | 25 33 | 4 28 | 22 1 | 1 6 | 23 59 | 0 35 | 19 36 | 0 12 | 18 51 | 0 40 | 3 30 | 2 20 | 10 43 | 0 46 | 12 12 | 1 49 | 5 18 | 14 5 | 19 10 | 18 49 | 11 54 | 11 56 | 1 1 |
| M 23 | 23 27 | 26 41 | 3 40 | 21 46 | 1 26 | 23 58 | 0 37 | 19 46 | 0 12 | 18 47 | 0 40 | 3 29 | 2 20 | 10 43 | 0 47 | 12 12 | 1 49 | 5 18 | 14 5 | 19 11 | 18 50 | 11 56 | 11 56 | 1 1 |
| T 24 | 23 26 | 26 4 | 2 40 | 21 31 | 1 45 | 23 57 | 0 39 | 19 56 | 0 11 | 18 44 | 0 40 | 3 28 | 2 20 | 10 43 | 0 47 | 12 12 | 1 49 | 5 18 | 14 5 | 19 12 | 18 51 | 11 59 | 11 55 | 1 1 |
| W 25 | 23 25 | 23 51 | 1 31 | 21 17 | 2 3 | 23 55 | 0 41 | 20 5 | 0 11 | 18 41 | 0 40 | 3 26 | 2 20 | 10 43 | 0 47 | 12 12 | 1 49 | 5 18 | 14 5 | 19 13 | 18 52 | 12 2 | 11 55 | 1 1 |
| T 26 | 23 24 | 20 20 | 0 19 | 21 3 | 2 20 | 23 52 | 0 44 | 20 14 | 0 10 | 18 37 | 0 40 | 3 25 | 2 19 | 10 44 | 0 47 | 12 12 | 1 49 | 5 18 | 14 5 | 19 13 | 18 53 | 12 5 | 11 54 | 1 1 |
| F 27 | 23 21 | 15 53 | 0m52 | 20 51 | 2 34 | 23 49 | 0 46 | 20 23 | 0 9 | 18 34 | 0 41 | 3 24 | 2 19 | 10 44 | 0 47 | 12 11 | 1 49 | 5 18 | 14 4 | 19 13 | 18 53 | 12 8 | 11 54 | 1 1 |
| S 28 | 23 19 | 10 51 | 1 59 | 20 40 | 2 47 | 23 45 | 0 48 | 20 32 | 0 9 | 18 30 | 0 41 | 3 22 | 2 19 | 10 45 | 0 47 | 12 11 | 1 49 | 5 18 | 14 4 | 19 13 | 18 54 | 12 10 | 11 54 | 1 1 |
| S 29 | 23 16 | 5 31 | 2 58 | 20 31 | 2 57 | 23 40 | 0 50 | 20 41 | 0 8 | 18 27 | 0 41 | 3 21 | | | | | | | | | | | | |