



# Astrodienst Ephemeris Tables for the year 1755

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming  
Dieter Koch and Alois Treindl  
based on Swiss Ephemeris  
Code D5EPX

ASTRODIENST EPHEMERIS for the year 1755  
geocentric

JANUARY 1755

00:00 UT

| Day  | Sid.t   | ☉                     | ☽                  | ♂                  | ♀                  | ♂                  | ♂                  | ♂                  | ♂                 | ♂                 | ♂                  | ♂                  | ♂                 | ♂                  | ♂                 | Day  |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-------------------|--------------------|-------------------|------|
| W 1  | 6 41 12 | 10 <sup>3</sup> 21'15 | 11 <sup>1</sup> 16 | 17 <sup>2</sup> 52 | 0 <sup>0</sup> 55  | 21 <sup>2</sup> 10 | 18 <sup>1</sup> 38 | 18 <sup>3</sup> 45 | 8 <sup>1</sup> 16 | 8 <sup>0</sup> 4  | 14 <sup>2</sup> 41 | 3 <sup>0</sup> 2   | 3 <sup>1</sup> 36 | 14 <sup>2</sup> 22 | 2 <sup>3</sup> 21 | W 1  |
| T 2  | 6 45 9  | 11 <sup>0</sup> 22'24 | 25 <sup>0</sup> 10 | 19 <sup>0</sup> 2  | 0 <sup>0</sup> 36  | 21 <sup>1</sup> 54 | 18 <sup>0</sup> 39 | 18 <sup>0</sup> 53 | 8 <sup>0</sup> 18 | 8 <sup>0</sup> 3  | 14 <sup>1</sup> 44 | 2 <sup>1</sup> 54  | 3 <sup>0</sup> 33 | 14 <sup>1</sup> 28 | 2 <sup>2</sup> 27 | T 2  |
| F 3  | 6 49 6  | 12 <sup>0</sup> 23'33 | 9 <sup>1</sup> 19  | 20 <sup>0</sup> 13 | 0 <sup>0</sup> 15  | 22 <sup>0</sup> 38 | 18 <sup>0</sup> 39 | 19 <sup>0</sup> 0  | 8 <sup>0</sup> 20 | 8 <sup>0</sup> 1  | 14 <sup>1</sup> 46 | 2 <sup>0</sup> 50  | 3 <sup>0</sup> 30 | 14 <sup>1</sup> 35 | 2 <sup>0</sup> 33 | F 3  |
| S 4  | 6 53 2  | 13 <sup>0</sup> 24'42 | 23 <sup>0</sup> 11 | 21 <sup>0</sup> 26 | 29 <sup>0</sup> 52 | 23 <sup>0</sup> 23 | 18 <sup>0</sup> 39 | 19 <sup>0</sup> 7  | 8 <sup>0</sup> 23 | 8 <sup>0</sup> 0  | 14 <sup>1</sup> 48 | 2 <sup>0</sup> 48  | 3 <sup>0</sup> 26 | 14 <sup>1</sup> 42 | 2 <sup>0</sup> 40 | S 4  |
| S 5  | 6 56 59 | 14 <sup>0</sup> 25'51 | 7 <sup>1</sup> 15  | 22 <sup>0</sup> 41 | 29 <sup>0</sup> 26 | 24 <sup>0</sup> 7  | 18 <sup>0</sup> 39 | 19 <sup>0</sup> 14 | 8 <sup>0</sup> 25 | 7 <sup>0</sup> 58 | 14 <sup>1</sup> 50 | 2 <sup>0</sup> 48  | 3 <sup>0</sup> 23 | 14 <sup>1</sup> 48 | 2 <sup>0</sup> 46 | S 5  |
| M 6  | 7 0 55  | 15 <sup>0</sup> 27'00 | 21 <sup>0</sup> 19 | 23 <sup>0</sup> 58 | 28 <sup>0</sup> 58 | 24 <sup>0</sup> 51 | 18 <sup>0</sup> 38 | 19 <sup>0</sup> 21 | 8 <sup>0</sup> 27 | 7 <sup>0</sup> 57 | 14 <sup>1</sup> 52 | 2 <sup>0</sup> 48  | 3 <sup>0</sup> 20 | 14 <sup>1</sup> 55 | 2 <sup>0</sup> 52 | M 6  |
| T 7  | 7 4 52  | 16 <sup>0</sup> 28'09 | 5 <sup>1</sup> 24  | 25 <sup>0</sup> 16 | 28 <sup>0</sup> 29 | 25 <sup>0</sup> 36 | 18 <sup>0</sup> 38 | 19 <sup>0</sup> 28 | 8 <sup>0</sup> 30 | 7 <sup>0</sup> 55 | 14 <sup>1</sup> 54 | 2 <sup>0</sup> 47  | 3 <sup>0</sup> 17 | 15 <sup>0</sup> 2  | 2 <sup>0</sup> 58 | T 7  |
| W 8  | 7 8 48  | 17 <sup>0</sup> 29'19 | 19 <sup>0</sup> 28 | 26 <sup>0</sup> 36 | 27 <sup>0</sup> 58 | 26 <sup>0</sup> 20 | 18 <sup>0</sup> 37 | 19 <sup>0</sup> 35 | 8 <sup>0</sup> 32 | 7 <sup>0</sup> 54 | 14 <sup>1</sup> 56 | 2 <sup>0</sup> 43  | 3 <sup>0</sup> 14 | 15 <sup>0</sup> 8  | 3 <sup>0</sup> 5  | W 8  |
| T 9  | 7 12 45 | 18 <sup>0</sup> 30'28 | 3 <sup>1</sup> 30  | 27 <sup>0</sup> 56 | 27 <sup>0</sup> 25 | 27 <sup>0</sup> 4  | 18 <sup>0</sup> 36 | 19 <sup>0</sup> 42 | 8 <sup>0</sup> 34 | 7 <sup>0</sup> 52 | 14 <sup>1</sup> 58 | 2 <sup>0</sup> 37  | 3 <sup>0</sup> 11 | 15 <sup>0</sup> 15 | 3 <sup>0</sup> 11 | T 9  |
| F 10 | 7 16 41 | 19 <sup>0</sup> 31'37 | 17 <sup>0</sup> 26 | 29 <sup>0</sup> 18 | 26 <sup>0</sup> 51 | 27 <sup>0</sup> 49 | 18 <sup>0</sup> 35 | 19 <sup>0</sup> 49 | 8 <sup>0</sup> 37 | 7 <sup>0</sup> 51 | 15 <sup>0</sup> 0  | 2 <sup>0</sup> 28  | 3 <sup>0</sup> 7  | 15 <sup>0</sup> 22 | 3 <sup>0</sup> 17 | F 10 |
| S 11 | 7 20 38 | 20 <sup>0</sup> 32'46 | 1 <sup>1</sup> 14  | 0 <sup>0</sup> 41  | 26 <sup>0</sup> 16 | 28 <sup>0</sup> 33 | 18 <sup>0</sup> 33 | 19 <sup>0</sup> 56 | 8 <sup>0</sup> 40 | 7 <sup>0</sup> 49 | 15 <sup>0</sup> 2  | 2 <sup>0</sup> 17  | 3 <sup>0</sup> 4  | 15 <sup>0</sup> 28 | 3 <sup>0</sup> 23 | S 11 |
| S 12 | 7 24 35 | 21 <sup>0</sup> 33'55 | 14 <sup>0</sup> 50 | 2 <sup>0</sup> 5   | 25 <sup>0</sup> 41 | 29 <sup>0</sup> 18 | 18 <sup>0</sup> 32 | 20 <sup>0</sup> 3  | 8 <sup>0</sup> 42 | 7 <sup>0</sup> 47 | 15 <sup>0</sup> 4  | 2 <sup>0</sup> 4   | 3 <sup>0</sup> 1  | 15 <sup>0</sup> 35 | 3 <sup>0</sup> 29 | S 12 |
| M13  | 7 28 31 | 22 <sup>0</sup> 35'03 | 28 <sup>0</sup> 10 | 3 <sup>0</sup> 29  | 25 <sup>0</sup> 4  | 0 <sup>0</sup> 3   | 18 <sup>0</sup> 30 | 20 <sup>0</sup> 11 | 8 <sup>0</sup> 45 | 7 <sup>0</sup> 46 | 15 <sup>0</sup> 6  | 1 <sup>0</sup> 52  | 2 <sup>0</sup> 58 | 15 <sup>0</sup> 41 | 3 <sup>0</sup> 35 | M13  |
| T 14 | 7 32 28 | 23 <sup>0</sup> 36'11 | 11 <sup>1</sup> 12 | 4 <sup>0</sup> 55  | 24 <sup>0</sup> 27 | 0 <sup>0</sup> 47  | 18 <sup>0</sup> 28 | 20 <sup>0</sup> 18 | 8 <sup>0</sup> 47 | 7 <sup>0</sup> 44 | 15 <sup>0</sup> 8  | 1 <sup>0</sup> 41  | 2 <sup>0</sup> 55 | 15 <sup>0</sup> 48 | 3 <sup>0</sup> 41 | T 14 |
| W15  | 7 36 24 | 24 <sup>0</sup> 37'18 | 23 <sup>0</sup> 56 | 6 <sup>0</sup> 21  | 23 <sup>0</sup> 51 | 1 <sup>0</sup> 32  | 18 <sup>0</sup> 26 | 20 <sup>0</sup> 25 | 8 <sup>0</sup> 50 | 7 <sup>0</sup> 43 | 15 <sup>0</sup> 10 | 1 <sup>0</sup> 33  | 2 <sup>0</sup> 51 | 15 <sup>0</sup> 55 | 3 <sup>0</sup> 47 | W15  |
| T 16 | 7 40 21 | 25 <sup>0</sup> 38'24 | 6 <sup>1</sup> 22  | 7 <sup>0</sup> 48  | 23 <sup>0</sup> 14 | 2 <sup>0</sup> 17  | 18 <sup>0</sup> 23 | 20 <sup>0</sup> 32 | 8 <sup>0</sup> 53 | 7 <sup>0</sup> 41 | 15 <sup>0</sup> 11 | 1 <sup>0</sup> 27  | 2 <sup>0</sup> 48 | 16 <sup>0</sup> 1  | 3 <sup>0</sup> 53 | T 16 |
| F 17 | 7 44 17 | 26 <sup>0</sup> 39'29 | 18 <sup>0</sup> 32 | 9 <sup>0</sup> 16  | 22 <sup>0</sup> 38 | 3 <sup>0</sup> 1   | 18 <sup>0</sup> 21 | 20 <sup>0</sup> 39 | 8 <sup>0</sup> 55 | 7 <sup>0</sup> 39 | 15 <sup>0</sup> 13 | 1 <sup>0</sup> 24  | 2 <sup>0</sup> 45 | 16 <sup>0</sup> 8  | 3 <sup>0</sup> 59 | F 17 |
| S 18 | 7 48 14 | 27 <sup>0</sup> 40'33 | 0 <sup>1</sup> 30  | 10 <sup>0</sup> 44 | 22 <sup>0</sup> 2  | 3 <sup>0</sup> 46  | 18 <sup>0</sup> 18 | 20 <sup>0</sup> 46 | 8 <sup>0</sup> 58 | 7 <sup>0</sup> 38 | 15 <sup>0</sup> 15 | 1 <sup>0</sup> D23 | 2 <sup>0</sup> 42 | 16 <sup>0</sup> 15 | 4 <sup>0</sup> 5  | S 18 |
| S 19 | 7 52 10 | 28 <sup>0</sup> 41'37 | 12 <sup>0</sup> 20 | 12 <sup>0</sup> 14 | 21 <sup>0</sup> 27 | 4 <sup>0</sup> 31  | 18 <sup>0</sup> 15 | 20 <sup>0</sup> 53 | 9 <sup>0</sup> 1  | 7 <sup>0</sup> 36 | 15 <sup>0</sup> 17 | 1 <sup>0</sup> 23  | 2 <sup>0</sup> 39 | 16 <sup>0</sup> 21 | 4 <sup>0</sup> 11 | S 19 |
| M20  | 7 56 7  | 29 <sup>0</sup> 42'39 | 24 <sup>0</sup> 7  | 13 <sup>0</sup> 43 | 20 <sup>0</sup> 54 | 5 <sup>0</sup> 16  | 18 <sup>0</sup> 12 | 21 <sup>0</sup> 0  | 9 <sup>0</sup> 4  | 7 <sup>0</sup> 34 | 15 <sup>0</sup> 19 | 1 <sup>0</sup> R24 | 2 <sup>0</sup> 36 | 16 <sup>0</sup> 28 | 4 <sup>0</sup> 17 | M20  |
| T 21 | 8 0 4   | 0 <sup>0</sup> 43'41  | 5 <sup>1</sup> 58  | 15 <sup>0</sup> 14 | 20 <sup>0</sup> 21 | 6 <sup>0</sup> 1   | 18 <sup>0</sup> 9  | 21 <sup>0</sup> 7  | 9 <sup>0</sup> 7  | 7 <sup>0</sup> 33 | 15 <sup>0</sup> 20 | 1 <sup>0</sup> 24  | 2 <sup>0</sup> 32 | 16 <sup>0</sup> 35 | 4 <sup>0</sup> 23 | T 21 |
| W22  | 8 4 0   | 1 <sup>0</sup> 44'41  | 17 <sup>0</sup> 56 | 16 <sup>0</sup> 45 | 19 <sup>0</sup> 51 | 6 <sup>0</sup> 46  | 18 <sup>0</sup> 6  | 21 <sup>0</sup> 14 | 9 <sup>0</sup> 10 | 7 <sup>0</sup> 31 | 15 <sup>0</sup> 22 | 1 <sup>0</sup> 22  | 2 <sup>0</sup> 29 | 16 <sup>0</sup> 41 | 4 <sup>0</sup> 29 | W22  |
| T 23 | 8 7 57  | 2 <sup>0</sup> 45'41  | 0 <sup>1</sup> 9   | 18 <sup>0</sup> 17 | 19 <sup>0</sup> 21 | 7 <sup>0</sup> 31  | 18 <sup>0</sup> 2  | 21 <sup>0</sup> 21 | 9 <sup>0</sup> 12 | 7 <sup>0</sup> 29 | 15 <sup>0</sup> 24 | 1 <sup>0</sup> 19  | 2 <sup>0</sup> 26 | 16 <sup>0</sup> 48 | 4 <sup>0</sup> 35 | T 23 |
| F 24 | 8 11 53 | 3 <sup>0</sup> 46'39  | 12 <sup>0</sup> 39 | 19 <sup>0</sup> 49 | 18 <sup>0</sup> 54 | 8 <sup>0</sup> 16  | 17 <sup>0</sup> 58 | 21 <sup>0</sup> 28 | 9 <sup>0</sup> 15 | 7 <sup>0</sup> 28 | 15 <sup>0</sup> 26 | 1 <sup>0</sup> 12  | 2 <sup>0</sup> 23 | 16 <sup>0</sup> 55 | 4 <sup>0</sup> 40 | F 24 |
| S 25 | 8 15 50 | 4 <sup>0</sup> 47'36  | 25 <sup>0</sup> 30 | 21 <sup>0</sup> 22 | 18 <sup>0</sup> 29 | 9 <sup>0</sup> 1   | 17 <sup>0</sup> 54 | 21 <sup>0</sup> 35 | 9 <sup>0</sup> 18 | 7 <sup>0</sup> 26 | 15 <sup>0</sup> 27 | 1 <sup>0</sup> 4   | 2 <sup>0</sup> 20 | 17 <sup>0</sup> 1  | 4 <sup>0</sup> 46 | S 25 |
| S 26 | 8 19 46 | 5 <sup>0</sup> 48'33  | 8 <sup>1</sup> 44  | 22 <sup>0</sup> 56 | 18 <sup>0</sup> 6  | 9 <sup>0</sup> 46  | 17 <sup>0</sup> 50 | 21 <sup>0</sup> 42 | 9 <sup>0</sup> 21 | 7 <sup>0</sup> 24 | 15 <sup>0</sup> 29 | 0 <sup>0</sup> 55  | 2 <sup>0</sup> 16 | 17 <sup>0</sup> 8  | 4 <sup>0</sup> 52 | S 26 |
| M27  | 8 23 43 | 6 <sup>0</sup> 49'28  | 22 <sup>0</sup> 20 | 24 <sup>0</sup> 30 | 17 <sup>0</sup> 46 | 10 <sup>0</sup> 31 | 17 <sup>0</sup> 46 | 21 <sup>0</sup> 49 | 9 <sup>0</sup> 24 | 7 <sup>0</sup> 22 | 15 <sup>0</sup> 31 | 0 <sup>0</sup> 45  | 2 <sup>0</sup> 13 | 17 <sup>0</sup> 15 | 4 <sup>0</sup> 57 | M27  |
| T 28 | 8 27 39 | 7 <sup>0</sup> 50'21  | 6 <sup>1</sup> 16  | 26 <sup>0</sup> 5  | 17 <sup>0</sup> 27 | 11 <sup>0</sup> 16 | 17 <sup>0</sup> 41 | 21 <sup>0</sup> 56 | 9 <sup>0</sup> 27 | 7 <sup>0</sup> 21 | 15 <sup>0</sup> 32 | 0 <sup>0</sup> 36  | 2 <sup>0</sup> 10 | 17 <sup>0</sup> 21 | 5 <sup>0</sup> 3  | T 28 |
| W29  | 8 31 36 | 8 <sup>0</sup> 51'14  | 20 <sup>0</sup> 27 | 27 <sup>0</sup> 41 | 17 <sup>0</sup> 11 | 12 <sup>0</sup> 1  | 17 <sup>0</sup> 37 | 22 <sup>0</sup> 3  | 9 <sup>0</sup> 30 | 7 <sup>0</sup> 19 | 15 <sup>0</sup> 34 | 0 <sup>0</sup> 29  | 2 <sup>0</sup> 7  | 17 <sup>0</sup> 28 | 5 <sup>0</sup> 8  | W29  |
| T 30 | 8 35 33 | 9 <sup>0</sup> 52'06  | 4 <sup>1</sup> 49  | 29 <sup>0</sup> 18 | 16 <sup>0</sup> 58 | 12 <sup>0</sup> 46 | 17 <sup>0</sup> 32 | 22 <sup>0</sup> 10 | 9 <sup>0</sup> 33 | 7 <sup>0</sup> 17 | 15 <sup>0</sup> 35 | 0 <sup>0</sup> 24  | 2 <sup>0</sup> 4  | 17 <sup>0</sup> 34 | 5 <sup>0</sup> 14 | T 30 |
| F 31 | 8 39 29 | 10 <sup>0</sup> 52'57 | 19 <sup>1</sup> 15 | 0 <sup>0</sup> 55  | 16 <sup>0</sup> 47 | 13 <sup>0</sup> 32 | 17 <sup>0</sup> 27 | 22 <sup>0</sup> 17 | 9 <sup>0</sup> 37 | 7 <sup>0</sup> 16 | 15 <sup>0</sup> 37 | 0 <sup>0</sup> 21  | 2 <sup>0</sup> 1  | 17 <sup>0</sup> 41 | 5 <sup>0</sup> 19 | F 31 |

| Day  | ☉     | ☾     |      | ♀     |      | ♀     |      | ♂     |      | ♂    |      | ♂     |      | ♂    |      | ♂     |      | ♂     |      | ♂    |      | ♂    |       | ♂    |     | ♂    |     |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-----|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl | lat   | decl | lat | decl | lat |
| W 1  | 23s 4 | 13n37 | 3s57 | 21s23 | 1n32 | 17s28 | 2n34 | 23s35 | 0s25 | 5n39 | 1n15 | 22s 5 | 0n 5 | 9s11 | 0s45 | 18n13 | 0s 4 | 13s21 | 9n18 | 1s12 | 1s26 | 4n47 | 17s37 | 5n50 |     |      |     |
| T 2  | 22 59 | 10 15 | 3 5  | 21 38 | 1 23 | 17 17 | 2 50 | 23 39 | 0 26 | 5 39 | 1 16 | 22 4  | 0 5  | 9 10 | 0 45 | 18 13 | 0 4  | 13 21 | 9 18 | 1 9  | 1 25 | 4 49 | 17 37 | 5 50 |     |      |     |
| F 3  | 22 53 | 6 16  | 2 2  | 21 52 | 1 15 | 17 6  | 3 5  | 23 42 | 0 26 | 5 39 | 1 16 | 22 3  | 0 5  | 9 9  | 0 45 | 18 14 | 0 4  | 13 21 | 9 18 | 1 8  | 1 23 | 4 50 | 17 37 | 5 50 |     |      |     |
| S 4  | 22 48 | 1 56  | 0 51 | 22 6  | 1 6  | 16 56 | 3 21 | 23 45 | 0 27 | 5 40 | 1 16 | 22 2  | 0 5  | 9 8  | 0 45 | 18 14 | 0 4  | 13 21 | 9 18 | 1 7  | 1 22 | 4 52 | 17 36 | 5 50 |     |      |     |
| S 5  | 22 41 | 2s31  | 0n24 | 22 19 | 0 57 | 16 46 | 3 36 | 23 48 | 0 27 | 5 40 | 1 16 | 22 1  | 0 4  | 9 7  | 0 45 | 18 14 | 0 4  | 13 21 | 9 18 | 1 7  | 1 21 | 4 54 | 17 36 | 5 50 |     |      |     |
| M 6  | 22 34 | 6 50  | 1 37 | 22 31 | 0 49 | 16 37 | 3 52 | 23 50 | 0 28 | 5 41 | 1 17 | 22 0  | 0 4  | 9 6  | 0 45 | 18 15 | 0 4  | 13 22 | 9 18 | 1 7  | 1 20 | 4 56 | 17 36 | 5 50 |     |      |     |
| T 7  | 22 27 | 10 46 | 2 44 | 22 43 | 0 40 | 16 27 | 4 7  | 23 52 | 0 29 | 5 41 | 1 17 | 21 59 | 0 4  | 9 5  | 0 45 | 18 15 | 0 4  | 13 22 | 9 18 | 1 6  | 1 18 | 4 57 | 17 36 | 5 51 |     |      |     |
| W 8  | 22 19 | 14 5  | 3 41 | 22 54 | 0 32 | 16 19 | 4 22 | 23 54 | 0 29 | 5 42 | 1 17 | 21 58 | 0 4  | 9 4  | 0 45 | 18 16 | 0 4  | 13 22 | 9 18 | 1 5  | 1 17 | 4 59 | 17 35 | 5 51 |     |      |     |
| T 9  | 22 11 | 16 33 | 4 24 | 23 4  | 0 23 | 16 11 | 4 37 | 23 56 | 0 30 | 5 42 | 1 17 | 21 57 | 0 4  | 9 4  | 0 45 | 18 16 | 0 4  | 13 22 | 9 19 | 1 3  | 1 16 | 5 1  | 17 35 | 5 51 |     |      |     |
| F 10 | 22 3  | 18 2  | 4 52 | 23 13 | 0 15 | 16 3  | 4 51 | 23 58 | 0 31 | 5 43 | 1 18 | 21 56 | 0 4  | 9 3  | 0 45 | 18 16 | 0 4  | 13 22 | 9 19 | 0 59 | 1 15 | 5 3  | 17 35 | 5 51 |     |      |     |
| S 11 | 21 54 | 18 26 | 5 2  | 23 21 | 0 7  | 15 56 | 5 5  | 23 59 | 0 31 | 5 44 | 1 18 | 21 55 | 0 4  | 9 2  | 0 45 | 18 17 | 0 4  | 13 22 | 9 19 | 0 54 | 1 13 | 5 5  | 17 34 | 5 51 |     |      |     |
| S 12 | 21 44 | 17 46 | 4 54 | 23 28 | 0s 1 | 15 49 | 5 19 | 24 0  | 0 32 | 5 45 | 1 18 | 21 54 | 0 4  | 9 1  | 0 45 | 18 17 | 0 4  | 13 22 | 9 19 | 0 49 | 1 12 | 5 6  | 17 34 | 5 52 |     |      |     |
| M13  | 21 34 | 16 7  | 4 31 | 23 34 | 0 8  | 15 42 | 5 32 | 24 1  | 0 33 | 5 46 | 1 19 | 21 53 | 0 4  | 9 0  | 0 45 | 18 18 | 0 4  | 13 22 | 9 19 | 0 45 | 1 11 | 5 8  | 17 33 | 5 52 |     |      |     |
| T 14 | 21 24 | 13 41 | 3 54 | 23 39 | 0 16 | 15 37 | 5 44 | 24 1  | 0 33 | 5 47 | 1 19 | 21 52 | 0 4  | 8 59 | 0 45 | 18 18 | 0 4  | 13 23 | 9 19 | 0 40 | 1 10 | 5 10 | 17 33 | 5 52 |     |      |     |
| W15  | 21 14 | 10 38 | 3 6  | 23 42 | 0 23 | 15 31 | 5 56 | 24 1  | 0 34 | 5 48 | 1 19 | 21 51 | 0 4  | 8 58 | 0 45 | 18 18 | 0 4  | 13 23 | 9 19 | 0 37 | 1 8  | 5 12 | 17 33 | 5 52 |     |      |     |
| T 16 | 21 2  | 7 11  | 2 9  | 23 45 | 0 31 | 15 27 | 6 7  | 24 1  | 0 34 | 5 49 | 1 19 | 21 50 | 0 4  | 8 57 | 0 45 | 18 19 | 0 3  | 13 23 | 9 19 | 0 35 | 1 7  | 5 13 | 17 32 | 5 53 |     |      |     |
| F 17 | 20 51 | 3 30  | 1 8  | 23 46 | 0 38 | 15 22 | 6 17 | 24 1  | 0 35 | 5 50 | 1 20 | 21 49 | 0 4  | 8 55 | 0 45 | 18 19 | 0 3  | 13 23 | 9 19 | 0 33 | 1 6  | 5 15 | 17 32 | 5 53 |     |      |     |
| S 18 | 20 39 | 0n16  | 0 5  | 23 46 | 0 44 | 15 19 | 6 26 | 24 1  | 0 36 | 5 51 | 1 20 | 21 48 | 0 4  | 8 54 | 0 45 | 18 20 | 0 3  | 13 23 | 9 19 | 0 33 | 1 4  | 5 17 | 17 31 | 5 53 |     |      |     |
| S 19 | 20 27 | 3 59  | 0s58 | 23 45 | 0 51 | 15 15 | 6 35 | 24 0  | 0 36 | 5 53 | 1 20 | 21 47 | 0 3  | 8 53 | 0 45 | 18 20 | 0 3  | 13 23 | 9 20 | 0 33 | 1 3  | 5 19 | 17 31 | 5 53 |     |      |     |
| M20  | 20 14 | 7 32  | 1 59 | 23 43 | 0 57 | 15 13 | 6 43 | 23 59 | 0 37 | 5 54 | 1 20 | 21 46 | 0 3  | 8 52 | 0 45 | 18 21 | 0 3  | 13 23 | 9 20 | 0 33 | 1 2  | 5 20 | 17 30 | 5 54 |     |      |     |
| T 21 | 20 1  | 10 47 | 2 54 | 23 39 | 1 3  | 15 10 | 6 50 | 23 57 | 0 38 | 5 56 | 1 21 | 21 45 | 0 3  | 8 51 | 0 45 | 18 21 | 0 3  | 13 23 | 9 20 | 0 33 | 1 1  | 5 22 | 17 30 | 5 54 |     |      |     |
| W22  | 19 48 | 13 38 | 3 43 | 23 34 | 1 9  | 15 9  | 6 56 | 23 56 | 0 38 | 5 57 | 1 21 | 21 44 | 0 3  | 8 50 | 0 45 | 18 22 | 0 3  | 13 23 | 9 20 | 0 33 | 0 59 | 5 24 | 17 29 | 5 54 |     |      |     |
| T 23 | 19 34 | 15 56 | 4 22 | 23 27 | 1 15 | 15 7  | 7 1  | 23 54 | 0 39 | 5 59 | 1 21 | 21 43 | 0 3  | 8 49 | 0 45 | 18 22 | 0 3  | 13 23 | 9 20 | 0 31 | 0 58 | 5 26 | 17 29 | 5 55 |     |      |     |
| F 24 | 19 20 | 17 33 | 4 50 | 23 20 | 1 20 | 15 6  | 7 5  | 23 52 | 0 39 | 6 1  | 1 22 | 21 42 | 0 3  | 8 48 | 0 45 | 18 22 | 0 3  | 13 23 | 9 20 | 0 29 | 0 57 | 5 27 | 17 28 | 5 55 |     |      |     |
| S 25 | 19 5  | 18 19 | 5 4  | 23 11 | 1 25 | 15 6  | 7 9  | 23 50 | 0 40 | 6 3  | 1 22 | 21 41 | 0 3  | 8 47 | 0 45 | 18 23 | 0 3  | 13 23 | 9 20 | 0 26 | 0 56 | 5 29 | 17 28 | 5 55 |     |      |     |
| S 26 | 18 51 | 18 9  | 5 3  | 23 0  | 1 30 | 15 6  | 7 12 | 23 47 | 0 41 | 6 4  | 1 22 | 21 40 | 0 3  | 8 46 | 0 45 | 18 23 | 0 3  | 13 23 | 9 20 | 0 22 | 0 54 | 5 31 | 17 27 | 5 56 |     |      |     |
| M27  | 18 35 | 16 56 | 4 45 | 22 48 | 1 35 | 15 7  | 7 14 | 23 44 | 0 41 | 6 6  | 1 22 | 21 39 | 0 3  | 8 44 | 0 45 | 18 24 | 0 3  | 13 23 | 9 21 | 0 18 | 0 53 | 5 33 | 17 27 | 5 56 |     |      |     |
| T 28 | 18 20 | 14 42 | 4 9  | 22 35 | 1 39 | 15 8  | 7 16 | 23 41 | 0 42 | 6 8  | 1 23 | 21 38 | 0 3  | 8 43 | 0 44 | 18 24 | 0 3  | 13 23 | 9 21 | 0 14 | 0 52 | 5 34 | 17 26 | 5 56 |     |      |     |
| W29  | 18 4  | 11 34 | 3 18 | 22 20 | 1 43 | 15 9  | 7 16 | 23 38 | 0 43 | 6 10 | 1 23 | 21 37 | 0 3  | 8 42 | 0 44 | 18 25 | 0 3  | 13 23 | 9 21 | 0 11 | 0 51 | 5 36 | 17 26 | 5 57 |     |      |     |
| T 30 | 17 48 | 7 41  | 2 13 | 22 4  | 1 47 | 15 10 | 7 16 | 23 34 | 0 43 | 6 12 | 1 23 | 21 36 | 0 3  | 8 41 | 0 44 | 18 25 | 0 3  | 13 23 | 9 21 | 0 9  | 0 49 | 5 38 | 17 25 | 5 57 |     |      |     |
| F 31 | 17s31 | 3n21  | 1s 0 | 21s46 | 1s50 | 15s12 | 7n16 | 23s30 | 0s44 | 6n15 | 1n23 | 21s35 | 0n 3 | 8s40 | 0s44 | 18n26 | 0s 3 | 13s23 | 9n21 | 0s 8 | 0s48 | 5n40 | 17s25 | 5n57 |     |      |     |

# ASTRODIENST EPHEMERIS for the year 1755

## geocentric

FEBRUARY 1755

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♀      | ♂     | ♂      | ♂     | ♂     | ♂     | ♂     | ♂      | ♂    | ♂      | ♂    | Day  |
|------|----------|----------|-------|-------|--------|-------|--------|-------|-------|-------|-------|--------|------|--------|------|------|
| S 1  | 8 43 26  | 11°53'46 | 3♂41  | 2♂33  | 16°R38 | 14♂17 | 17°R22 | 22♂24 | 9♂40  | 7°R14 | 15♂38 | 0°D20  | 1♂57 | 17°Y48 | 5♂25 | S 1  |
| S 2  | 8 47 22  | 12°54'35 | 18° 2 | 4°11  | 16♂32  | 15° 2 | 17°16  | 22°30 | 9°43  | 7°12  | 15°40 | 0♂21   | 1°54 | 17°54  | 5°30 | S 2  |
| M 3  | 8 51 19  | 13°55'23 | 2♂16  | 5°51  | 16°29  | 15°48 | 17°11  | 22°37 | 9°46  | 7°11  | 15°41 | 0°23   | 1°51 | 18° 1  | 5°36 | M 3  |
| T 4  | 8 55 15  | 14°56'10 | 16°20 | 7°31  | 16°D28 | 16°33 | 17° 5  | 22°44 | 9°49  | 7° 9  | 15°43 | 0°R23  | 1°48 | 18° 8  | 5°41 | T 4  |
| W 5  | 8 59 12  | 15°56'57 | 0♂15  | 9°12  | 16°29  | 17°18 | 17° 0  | 22°51 | 9°52  | 7° 7  | 15°44 | 0°22   | 1°45 | 18°14  | 5°46 | W 5  |
| T 6  | 9 3 8    | 16°57'42 | 13°59 | 10°54 | 16°33  | 18° 4 | 16°54  | 22°57 | 9°56  | 7° 6  | 15°45 | 0°19   | 1°42 | 18°21  | 5°51 | T 6  |
| F 7  | 9 7 5    | 17°58'26 | 27°33 | 12°36 | 16°39  | 18°49 | 16°48  | 23° 4 | 9°59  | 7° 4  | 15°47 | 0°14   | 1°38 | 18°28  | 5°57 | F 7  |
| S 8  | 9 11 2   | 18°59'09 | 10♂55 | 14°20 | 16°48  | 19°35 | 16°42  | 23°11 | 10° 2 | 7° 2  | 15°48 | 0° 8   | 1°35 | 18°34  | 6° 2 | S 8  |
| S 9  | 9 14 58  | 19°59'51 | 24° 4 | 16° 4 | 16°59  | 20°20 | 16°35  | 23°17 | 10° 5 | 7° 1  | 15°49 | 0° 0   | 1°32 | 18°41  | 6° 7 | S 9  |
| M10  | 9 18 55  | 21° 0'32 | 7♂0   | 17°49 | 17°11  | 21° 6 | 16°29  | 23°24 | 10° 9 | 6°59  | 15°50 | 29°153 | 1°29 | 18°48  | 6°12 | M10  |
| T 11 | 9 22 51  | 22° 1'11 | 19°43 | 19°35 | 17°26  | 21°52 | 16°23  | 23°31 | 10°12 | 6°57  | 15°52 | 29°47  | 1°26 | 18°54  | 6°17 | T 11 |
| W12  | 9 26 48  | 23° 1'49 | 2♂12  | 21°22 | 17°43  | 22°37 | 16°16  | 23°37 | 10°15 | 6°56  | 15°53 | 29°42  | 1°22 | 19° 1  | 6°22 | W12  |
| T 13 | 9 30 44  | 24° 2'25 | 14°27 | 23° 9 | 18° 2  | 23°23 | 16° 9  | 23°44 | 10°19 | 6°54  | 15°54 | 29°39  | 1°19 | 19° 8  | 6°27 | T 13 |
| F 14 | 9 34 41  | 25° 2'59 | 26°32 | 24°58 | 18°23  | 24° 9 | 16° 2  | 23°50 | 10°22 | 6°53  | 15°55 | 29°D38 | 1°16 | 19°14  | 6°31 | F 14 |
| S 15 | 9 38 37  | 26° 3'32 | 8°Y27 | 26°47 | 18°46  | 24°54 | 15°56  | 23°56 | 10°25 | 6°51  | 15°56 | 29°38  | 1°13 | 19°21  | 6°36 | S 15 |
| S 16 | 9 42 34  | 27° 4'03 | 20°16 | 28°37 | 19°11  | 25°40 | 15°48  | 24° 3 | 10°29 | 6°49  | 15°57 | 29°39  | 1°10 | 19°28  | 6°41 | S 16 |
| M17  | 9 46 31  | 28° 4'33 | 2♂ 3  | 0♂28  | 19°37  | 26°26 | 15°41  | 24° 9 | 10°32 | 6°48  | 15°58 | 29°41  | 1° 7 | 19°34  | 6°45 | M17  |
| T 18 | 9 50 27  | 29° 5'00 | 13°53 | 2°19  | 20° 5  | 27°12 | 15°34  | 24°15 | 10°35 | 6°46  | 15°59 | 29°43  | 1° 3 | 19°41  | 6°50 | T 18 |
| W19  | 9 54 24  | 0♂ 5'26  | 25°51 | 4°12  | 20°34  | 27°58 | 15°27  | 24°22 | 10°39 | 6°45  | 16° 0 | 29°R44 | 1° 0 | 19°48  | 6°54 | W19  |
| T 20 | 9 58 20  | 1° 5'49  | 8♂1   | 6° 4  | 21° 5  | 28°43 | 15°20  | 24°28 | 10°42 | 6°43  | 16° 1 | 29°44  | 0°57 | 19°54  | 6°59 | T 20 |
| F 21 | 10 2 17  | 2° 6'11  | 20°29 | 7°58  | 21°38  | 29°29 | 15°12  | 24°34 | 10°46 | 6°42  | 16° 2 | 29°42  | 0°54 | 20° 1  | 7° 3 | F 21 |
| S 22 | 10 6 13  | 3° 6'31  | 3♂19  | 9°51  | 22°11  | 0♂15  | 15° 5  | 24°40 | 10°49 | 6°40  | 16° 3 | 29°40  | 0°51 | 20° 7  | 7° 8 | S 22 |
| S 23 | 10 10 10 | 4° 6'49  | 16°33 | 11°45 | 22°47  | 1° 1  | 14°57  | 24°46 | 10°52 | 6°39  | 16° 4 | 29°36  | 0°48 | 20°14  | 7°12 | S 23 |
| M24  | 10 14 6  | 5° 7'05  | 0♂13  | 13°39 | 23°23  | 1°47  | 14°50  | 24°52 | 10°56 | 6°37  | 16° 4 | 29°32  | 0°44 | 20°21  | 7°16 | M24  |
| T 25 | 10 18 3  | 6° 7'19  | 14°18 | 15°33 | 24° 1  | 2°33  | 14°42  | 24°58 | 10°59 | 6°36  | 16° 5 | 29°29  | 0°41 | 20°27  | 7°20 | T 25 |
| W26  | 10 22 0  | 7° 7'31  | 28°45 | 17°26 | 24°40  | 3°19  | 14°34  | 25° 4 | 11° 3 | 6°35  | 16° 6 | 29°26  | 0°38 | 20°34  | 7°24 | W26  |
| T 27 | 10 25 56 | 8° 7'41  | 13♂27 | 19°18 | 25°20  | 4° 5  | 14°26  | 25°10 | 11° 6 | 6°33  | 16° 7 | 29°24  | 0°35 | 20°41  | 7°28 | T 27 |
| F 28 | 10 29 53 | 9♂ 7'50  | 28♂19 | 21♂10 | 26♂ 1  | 4♂51  | 14♂19  | 25♂16 | 11♂10 | 6♂12  | 16♂ 7 | 29°D24 | 0♂32 | 20°Y47 | 7♂32 | F 28 |

| Day  | ☉     | ☾     |      | ♀     |      | ♀     |      | ♂     |      | ♂    |      | ♂     |      | ♂    |      | ♂     |      | ♂     |      | ♂    |      | ♂    |       | ♂    |     | ♂    |     |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-----|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl | lat   | decl | lat | decl | lat |
| S 1  | 17s15 | 1s11  | 0n18 | 21s27 | 1s53 | 15s15 | 7n14 | 23s26 | 0s44 | 6n17 | 1n23 | 21s34 | 0n 3 | 8s39 | 0s44 | 18n26 | 0s 3 | 13s23 | 9n21 | 0s 8 | 0s47 | 5n41 | 17s24 | 5n58 |     |      |     |
| S 2  | 16 58 | 5 38  | 1 34 | 21 7  | 1 56 | 15 17 | 7 13 | 23 22 | 0 45 | 6 19 | 1 24 | 21 33 | 0 2  | 8 37 | 0 44 | 18 26 | 0 3  | 13 23 | 9 22 | 0 8  | 0 45 | 5 43 | 17 23 | 5 58 |     |      |     |
| M 3  | 16 40 | 9 42  | 2 44 | 20 45 | 1 59 | 15 20 | 7 10 | 23 17 | 0 46 | 6 21 | 1 24 | 21 32 | 0 2  | 8 36 | 0 44 | 18 27 | 0 3  | 13 23 | 9 22 | 0 9  | 0 44 | 5 45 | 17 23 | 5 58 |     |      |     |
| T 4  | 16 22 | 13 11 | 3 43 | 20 21 | 2 1  | 15 23 | 7 8  | 23 12 | 0 46 | 6 24 | 1 24 | 21 31 | 0 2  | 8 35 | 0 44 | 18 27 | 0 3  | 13 23 | 9 22 | 0 9  | 0 43 | 5 47 | 17 22 | 5 59 |     |      |     |
| W 5  | 16 5  | 15 51 | 4 28 | 19 57 | 2 2  | 15 26 | 7 4  | 23 7  | 0 47 | 6 26 | 1 24 | 21 30 | 0 2  | 8 34 | 0 44 | 18 28 | 0 3  | 13 23 | 9 22 | 0 9  | 0 42 | 5 48 | 17 22 | 5 59 |     |      |     |
| T 6  | 15 46 | 17 35 | 4 57 | 19 30 | 2 4  | 15 29 | 7 1  | 23 2  | 0 47 | 6 29 | 1 25 | 21 29 | 0 2  | 8 32 | 0 44 | 18 28 | 0 3  | 13 23 | 9 22 | 0 8  | 0 40 | 5 50 | 17 21 | 6 0  |     |      |     |
| F 7  | 15 28 | 18 18 | 5 9  | 19 2  | 2 5  | 15 32 | 6 57 | 22 56 | 0 48 | 6 31 | 1 25 | 21 28 | 0 2  | 8 31 | 0 44 | 18 29 | 0 3  | 13 23 | 9 22 | 0 6  | 0 39 | 5 52 | 17 20 | 6 0  |     |      |     |
| S 8  | 15 9  | 17 58 | 5 4  | 18 33 | 2 5  | 15 35 | 6 52 | 22 50 | 0 49 | 6 34 | 1 25 | 21 27 | 0 2  | 8 30 | 0 44 | 18 29 | 0 3  | 13 23 | 9 23 | 0 3  | 0 38 | 5 54 | 17 20 | 6 0  |     |      |     |
| S 9  | 14 50 | 16 41 | 4 43 | 18 2  | 2 5  | 15 39 | 6 48 | 22 44 | 0 49 | 6 36 | 1 25 | 21 25 | 0 2  | 8 29 | 0 44 | 18 29 | 0 3  | 13 23 | 9 23 | 0 0  | 0 37 | 5 55 | 17 19 | 6 1  |     |      |     |
| M10  | 14 31 | 14 33 | 4 8  | 17 29 | 2 5  | 15 42 | 6 42 | 22 38 | 0 50 | 6 39 | 1 25 | 21 24 | 0 2  | 8 27 | 0 44 | 18 30 | 0 3  | 13 23 | 9 23 | 0n 3 | 0 35 | 5 57 | 17 19 | 6 1  |     |      |     |
| T 11 | 14 11 | 11 45 | 3 20 | 16 56 | 2 4  | 15 46 | 6 37 | 22 31 | 0 50 | 6 42 | 1 26 | 21 23 | 0 2  | 8 26 | 0 44 | 18 30 | 0 3  | 13 23 | 9 23 | 0 5  | 0 34 | 5 59 | 17 18 | 6 2  |     |      |     |
| W12  | 13 51 | 8 28  | 2 24 | 16 20 | 2 3  | 15 49 | 6 32 | 22 24 | 0 51 | 6 44 | 1 26 | 21 22 | 0 2  | 8 25 | 0 44 | 18 31 | 0 3  | 13 23 | 9 23 | 0 7  | 0 33 | 6 1  | 17 17 | 6 2  |     |      |     |
| T 13 | 13 31 | 4 52  | 1 22 | 15 43 | 2 1  | 15 53 | 6 26 | 22 17 | 0 52 | 6 47 | 1 26 | 21 21 | 0 2  | 8 24 | 0 44 | 18 31 | 0 3  | 13 23 | 9 24 | 0 8  | 0 32 | 6 2  | 17 17 | 6 3  |     |      |     |
| F 14 | 13 11 | 1 7   | 0 17 | 15 5  | 1 59 | 15 56 | 6 20 | 22 10 | 0 52 | 6 50 | 1 26 | 21 20 | 0 2  | 8 22 | 0 44 | 18 32 | 0 3  | 13 23 | 9 24 | 0 9  | 0 30 | 6 4  | 17 16 | 6 3  |     |      |     |
| S 15 | 12 51 | 2n37  | 0s48 | 14 25 | 1 56 | 15 59 | 6 13 | 22 2  | 0 53 | 6 53 | 1 26 | 21 19 | 0 2  | 8 21 | 0 44 | 18 32 | 0 3  | 13 23 | 9 24 | 0 9  | 0 29 | 6 6  | 17 15 | 6 3  |     |      |     |
| S 16 | 12 30 | 6 13  | 1 51 | 13 44 | 1 53 | 16 2  | 6 7  | 21 55 | 0 53 | 6 56 | 1 26 | 21 18 | 0 1  | 8 20 | 0 44 | 18 32 | 0 3  | 13 22 | 9 24 | 0 8  | 0 28 | 6 7  | 17 15 | 6 4  |     |      |     |
| M17  | 12 9  | 9 34  | 2 49 | 13 1  | 1 49 | 16 5  | 6 1  | 21 47 | 0 54 | 6 59 | 1 27 | 21 17 | 0 1  | 8 18 | 0 44 | 18 33 | 0 3  | 13 22 | 9 24 | 0 7  | 0 27 | 6 9  | 17 14 | 6 4  |     |      |     |
| T 18 | 11 48 | 12 32 | 3 39 | 12 17 | 1 45 | 16 8  | 5 54 | 21 38 | 0 55 | 7 2  | 1 27 | 21 16 | 0 1  | 8 17 | 0 44 | 18 33 | 0 3  | 13 22 | 9 25 | 0 7  | 0 25 | 6 11 | 17 13 | 6 5  |     |      |     |
| W19  | 11 27 | 15 1  | 4 21 | 11 32 | 1 40 | 16 10 | 5 47 | 21 30 | 0 55 | 7 5  | 1 27 | 21 15 | 0 1  | 8 16 | 0 44 | 18 34 | 0 3  | 13 22 | 9 25 | 0 6  | 0 24 | 6 13 | 17 12 | 6 5  |     |      |     |
| T 20 | 11 6  | 16 52 | 4 52 | 10 45 | 1 34 | 16 13 | 5 40 | 21 21 | 0 56 | 7 8  | 1 27 | 21 14 | 0 1  | 8 15 | 0 44 | 18 34 | 0 3  | 13 22 | 9 25 | 0 6  | 0 23 | 6 14 | 17 12 | 6 6  |     |      |     |
| F 21 | 10 44 | 17 58 | 5 10 | 9 57  | 1 28 | 16 15 | 5 33 | 21 12 | 0 56 | 7 11 | 1 27 | 21 13 | 0 1  | 8 13 | 0 44 | 18 34 | 0 3  | 13 22 | 9 25 | 0 7  | 0 21 | 6 16 | 17 11 | 6 6  |     |      |     |
| S 22 | 10 23 | 18 12 | 5 14 | 9 8   | 1 21 | 16 17 | 5 26 | 21 3  | 0 57 | 7 14 | 1 27 | 21 12 | 0 1  | 8 12 | 0 44 | 18 35 | 0 3  | 13 22 | 9 25 | 0 8  | 0 20 | 6 18 | 17 10 | 6 7  |     |      |     |
| S 23 | 10 1  | 17 28 | 5 1  | 8 18  | 1 14 | 16 18 | 5 19 | 20 53 | 0 57 | 7 17 | 1 27 | 21 11 | 0 1  | 8 11 | 0 44 | 18 35 | 0 3  | 13 22 | 9 26 | 0 9  | 0 19 | 6 20 | 17 10 | 6 7  |     |      |     |
| M24  | 9 39  | 15 43 | 4 31 | 7 27  | 1 6  | 16 19 | 5 11 | 20 44 | 0 58 | 7 20 | 1 27 | 21 10 | 0 1  | 8 9  | 0 44 | 18 35 | 0 3  | 13 21 | 9 26 | 0 11 | 0 18 | 6 21 | 17 9  | 6 8  |     |      |     |
| T 25 | 9 17  | 12 59 | 3 44 | 6 35  | 0 57 | 16 20 | 5 4  | 20 34 | 0 59 | 7 23 | 1 28 | 21 9  | 0 1  | 8 8  | 0 44 | 18 36 | 0 3  | 13 21 | 9 26 | 0 12 | 0 16 | 6 23 | 17 8  | 6 8  |     |      |     |
| W26  | 8 54  | 9 24  | 2 41 | 5 42  | 0 48 | 16 21 | 4 57 | 20 24 | 0 59 | 7 26 | 1 28 | 21 8  | 0 1  | 8 7  | 0 44 | 18 36 | 0 3  | 13 21 | 9 26 | 0 14 | 0 15 | 6 25 | 17 7  | 6 9  |     |      |     |
| T 27 | 8 32  | 5 10  | 1 27 | 4 49  | 0 38 | 16 21 | 4 49 | 20 14 | 1 0  | 7 29 | 1 28 | 21 7  | 0 1  | 8 5  | 0 44 | 18 37 | 0 3  | 13 21 | 9 26 | 0 14 | 0 14 | 6 27 | 17 7  | 6 9  |     |      |     |
| F 28 | 8s 9  | 0n35  | 0s 6 | 3s56  | 0s28 | 16s21 | 4n42 | 20s 3 | 1s 0 | 7n32 | 1n28 | 21s 6 | 0n 1 | 8s 4 | 0s44 | 18n37 | 0s 3 | 13s21 | 9n27 | 0n14 | 0s13 | 6n28 | 17s 6 | 6n10 |     |      |     |

Julian Day Number = 2362091.5, Delta T = 17.48 sec

Ecliptic obliquity = 23°28'07, Nutation = 0°00'02, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°19'16, Lahiri = 20°26'16Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1755

## geocentric

MARCH 1755

00:00 UT

| Day  | Sid.t    | ☉  | ☽                               | ♂                               | ♀                               | ♂                              | ♂                               | ♂                               | ♂                               | ♂                              | ♂                               | ♂                               | ♂                               | ♂                               | ♂                              | Day  |
|------|----------|--|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|------|
| S 1  | 10 33 49 | 10 <sup>h</sup> 7 <sup>m</sup> 56 <sup>s</sup> | 13 <sup>h</sup> 12 <sup>m</sup> | 23 <sup>h</sup> 30 <sup>m</sup> | 26 <sup>h</sup> 34 <sup>m</sup> | 5 <sup>h</sup> 37 <sup>m</sup> | 14 <sup>h</sup> 11 <sup>m</sup> | 25 <sup>h</sup> 21 <sup>m</sup> | 11 <sup>h</sup> 13 <sup>m</sup> | 6 <sup>h</sup> 30 <sup>m</sup> | 16 <sup>h</sup> 08 <sup>m</sup> | 29 <sup>h</sup> 24 <sup>m</sup> | 0 <sup>h</sup> 28 <sup>m</sup>  | 20 <sup>h</sup> 54 <sup>m</sup> | 7 <sup>h</sup> 36 <sup>m</sup> | S 1  |
| S 2  | 10 37 46 | 11° 8'02"                                      | 27°58'                          | 24°48'                          | 27°27'                          | 6°23'                          | 14 <sup>h</sup> 03 <sup>m</sup> | 25°27'                          | 11°17'                          | 6 <sup>h</sup> 02 <sup>m</sup> | 16° 9'                          | 29°25'                          | 0°25'                           | 21° 1'                          | 7°40'                          | S 2  |
| M 3  | 10 41 42 | 12° 8'05"                                      | 12 <sup>h</sup> 33 <sup>m</sup> | 26°34'                          | 28°12'                          | 7° 9'                          | 13°55'                          | 25°33'                          | 11°20'                          | 6°28'                          | 16° 9'                          | 29°26'                          | 0°22'                           | 21° 7'                          | 7°43'                          | M 3  |
| T 4  | 10 45 39 | 13° 8'07"                                      | 26°51'                          | 28°17'                          | 28°57'                          | 7°55'                          | 13°48'                          | 25°38'                          | 11°23'                          | 6°26'                          | 16°10'                          | 29°27'                          | 0°19'                           | 21°14'                          | 7°47'                          | T 4  |
| W 5  | 10 49 35 | 14° 8'07"                                      | 10 <sup>h</sup> 50 <sup>m</sup> | 29°58'                          | 29°43'                          | 8°41'                          | 13°40'                          | 25°44'                          | 11°27'                          | 6°25'                          | 16°10'                          | 29°R28                          | 0°16'                           | 21°21'                          | 7°51'                          | W 5  |
| T 6  | 10 53 32 | 15° 8'06"                                      | 24°31'                          | 1 <sup>h</sup> 34 <sup>m</sup>  | 0 <sup>h</sup> 31 <sup>m</sup>  | 9°28'                          | 13°32'                          | 25°49'                          | 11°30'                          | 6°24'                          | 16°11'                          | 29°28'                          | 0°13'                           | 21°27'                          | 7°54'                          | T 6  |
| F 7  | 10 57 28 | 16° 8'03"                                      | 7 <sup>h</sup> 53 <sup>m</sup>  | 3° 6'                           | 1°19'                           | 10°14'                         | 13°24'                          | 25°54'                          | 11°34'                          | 6°23'                          | 16°11'                          | 29°27'                          | 0° 9'                           | 21°34'                          | 7°58'                          | F 7  |
| S 8  | 11 1 25  | 17° 7'59"                                      | 20°58'                          | 4°34'                           | 2° 7'                           | 11° 0'                         | 13°16'                          | 26° 0'                          | 11°37'                          | 6°22'                          | 16°11'                          | 29°26'                          | 0° 6'                           | 21°41'                          | 8° 1'                          | S 8  |
| S 9  | 11 5 22  | 18° 7'52"                                      | 3 <sup>h</sup> 48 <sup>m</sup>  | 5°56'                           | 2°57'                           | 11°46'                         | 13° 8'                          | 26° 5'                          | 11°41'                          | 6°20'                          | 16°12'                          | 29°24'                          | 0° 3'                           | 21°47'                          | 8° 4'                          | S 9  |
| M10  | 11 9 18  | 19° 7'44"                                      | 16°23'                          | 7°12'                           | 3°47'                           | 12°32'                         | 13° 1'                          | 26°10'                          | 11°44'                          | 6°19'                          | 16°12'                          | 29°23'                          | 29 <sup>h</sup> 59 <sup>m</sup> | 21°54'                          | 8° 8'                          | M10  |
| T 11 | 11 13 15 | 20° 7'34"                                      | 28°46'                          | 8°22'                           | 4°38'                           | 13°19'                         | 12°53'                          | 26°15'                          | 11°47'                          | 6°18'                          | 16°12'                          | 29°21'                          | 29°57'                          | 22° 1'                          | 8°11'                          | T 11 |
| W12  | 11 17 11 | 21° 7'23"                                      | 10 <sup>h</sup> 58 <sup>m</sup> | 9°25'                           | 5°30'                           | 14° 5'                         | 12°45'                          | 26°20'                          | 11°51'                          | 6°17'                          | 16°13'                          | 29°20'                          | 29°53'                          | 22° 7'                          | 8°14'                          | W12  |
| T 13 | 11 21 8  | 22° 7'09"                                      | 23° 2'                          | 10°21'                          | 6°23'                           | 14°51'                         | 12°38'                          | 26°25'                          | 11°54'                          | 6°16'                          | 16°13'                          | 29°20'                          | 29°50'                          | 22°14'                          | 8°17'                          | T 13 |
| F 14 | 11 25 4  | 23° 6'53"                                      | 4 <sup>h</sup> 58 <sup>m</sup>  | 11°10'                          | 7°16'                           | 15°37'                         | 12°30'                          | 26°30'                          | 11°58'                          | 6°15'                          | 16°13'                          | 29°D20                          | 29°47'                          | 22°21'                          | 8°20'                          | F 14 |
| S 15 | 11 29 1  | 24° 6'35"                                      | 16°49'                          | 11°51'                          | 8° 9'                           | 16°24'                         | 12°22'                          | 26°35'                          | 12° 1'                          | 6°14'                          | 16°13'                          | 29°20'                          | 29°44'                          | 22°27'                          | 8°22'                          | S 15 |
| S 16 | 11 32 57 | 25° 6'15"                                      | 28°37'                          | 12°24'                          | 9° 3'                           | 17°10'                         | 12°15'                          | 26°40'                          | 12° 4'                          | 6°13'                          | 16°13'                          | 29°21'                          | 29°41'                          | 22°34'                          | 8°25'                          | S 16 |
| M17  | 11 36 54 | 26° 5'53"                                      | 10 <sup>h</sup> 25 <sup>m</sup> | 12°49'                          | 9°58'                           | 17°56'                         | 12° 7'                          | 26°45'                          | 12° 8'                          | 6°12'                          | 16°14'                          | 29°21'                          | 29°38'                          | 22°41'                          | 8°28'                          | M17  |
| T 18 | 11 40 51 | 27° 5'29"                                      | 22°16'                          | 13° 6'                          | 10°54'                          | 18°42'                         | 12° 0'                          | 26°49'                          | 12°11'                          | 6°11'                          | 16°14'                          | 29°21'                          | 29°34'                          | 22°47'                          | 8°30'                          | T 18 |
| W19  | 11 44 47 | 28° 5'03"                                      | 4 <sup>h</sup> 14 <sup>m</sup>  | 13°14'                          | 11°49'                          | 19°29'                         | 11°53'                          | 26°54'                          | 12°14'                          | 6°10'                          | 16°R14                          | 29°22'                          | 29°31'                          | 22°54'                          | 8°33'                          | W19  |
| T 20 | 11 48 44 | 29° 4'34"                                      | 16°24'                          | 13°R15                          | 12°46'                          | 20°15'                         | 11°45'                          | 26°59'                          | 12°18'                          | 6° 9'                          | 16°14'                          | 29°22'                          | 29°28'                          | 23° 0'                          | 8°35'                          | T 20 |
| F 21 | 11 52 40 | 0 <sup>h</sup> 4' 30 <sup>m</sup>              | 28°48'                          | 13° 8'                          | 13°43'                          | 21° 1'                         | 11°38'                          | 27° 3'                          | 12°21'                          | 6° 8'                          | 16°14'                          | 29°22'                          | 29°25'                          | 23° 7'                          | 8°38'                          | F 21 |
| S 22 | 11 56 37 | 1° 3'30"                                       | 11 <sup>h</sup> 33 <sup>m</sup> | 12°54'                          | 14°40'                          | 21°48'                         | 11°31'                          | 27° 7'                          | 12°24'                          | 6° 7'                          | 16°14'                          | 29°22'                          | 29°22'                          | 23°14'                          | 8°40'                          | S 22 |
| S 23 | 12 0 33  | 2° 2'54"                                       | 24°40'                          | 12°32'                          | 15°38'                          | 22°34'                         | 11°24'                          | 27°12'                          | 12°28'                          | 6° 7'                          | 16°13'                          | 29°22'                          | 29°19'                          | 23°20'                          | 8°42'                          | S 23 |
| M24  | 12 4 30  | 3° 2'16"                                       | 8 <sup>h</sup> 14 <sup>m</sup>  | 12° 4'                          | 16°36'                          | 23°20'                         | 11°17'                          | 27°16'                          | 12°31'                          | 6° 6'                          | 16°13'                          | 29°22'                          | 29°15'                          | 23°27'                          | 8°44'                          | M24  |
| T 25 | 12 8 26  | 4° 1'36"                                       | 22°15'                          | 11°31'                          | 17°34'                          | 24° 7'                         | 11°11'                          | 27°20'                          | 12°34'                          | 6° 5'                          | 16°13'                          | 29°23'                          | 29°12'                          | 23°34'                          | 8°46'                          | T 25 |
| W26  | 12 12 23 | 5° 0'53"                                       | 6 <sup>h</sup> 41 <sup>m</sup>  | 10°52'                          | 18°33'                          | 24°53'                         | 11° 4'                          | 27°24'                          | 12°37'                          | 6° 4'                          | 16°13'                          | 29°23'                          | 29° 9'                          | 23°40'                          | 8°48'                          | W26  |
| T 27 | 12 16 20 | 6° 0'08"                                       | 21°30'                          | 10° 9'                          | 19°33'                          | 25°40'                         | 10°58'                          | 27°28'                          | 12°41'                          | 6° 4'                          | 16°13'                          | 29°23'                          | 29° 6'                          | 23°47'                          | 8°50'                          | T 27 |
| F 28 | 12 20 16 | 6°59'21"                                       | 6 <sup>h</sup> 34 <sup>m</sup>  | 9°23'                           | 20°32'                          | 26°26'                         | 10°51'                          | 27°32'                          | 12°44'                          | 6° 3'                          | 16°12'                          | 29°R23                          | 29° 3'                          | 23°54'                          | 8°52'                          | F 28 |
| S 29 | 12 24 13 | 7°58'32"                                       | 21°45'                          | 8°35'                           | 21°32'                          | 27°12'                         | 10°45'                          | 27°36'                          | 12°47'                          | 6° 2'                          | 16°12'                          | 29°23'                          | 28°59'                          | 24° 0'                          | 8°53'                          | S 29 |
| S 30 | 12 28 9  | 8°57'41"                                       | 6 <sup>h</sup> 53 <sup>m</sup>  | 7°46'                           | 22°33'                          | 27°59'                         | 10°39'                          | 27°39'                          | 12°50'                          | 6° 2'                          | 16°12'                          | 29°22'                          | 28°56'                          | 24° 7'                          | 8°55'                          | S 30 |
| M31  | 12 32 6  | 9 <sup>h</sup> 56'48"                          | 21 <sup>h</sup> 49 <sup>m</sup> | 6 <sup>h</sup> 56 <sup>m</sup>  | 23°34'                          | 28°45'                         | 10 <sup>h</sup> 33 <sup>m</sup> | 27°34 <sup>m</sup>              | 12 <sup>h</sup> 53 <sup>m</sup> | 6 <sup>h</sup> 1 <sup>m</sup>  | 16°11'                          | 29 <sup>h</sup> 21 <sup>m</sup> | 28 <sup>h</sup> 53 <sup>m</sup> | 24 <sup>h</sup> 14 <sup>m</sup> | 8°57'                          | M31  |

| Day  | ☉    | ☾     |      | ♂    |      | ♀     |      | ♂     |      | ♂    |      | ♂     |      | ♂    |      | ♂     |      | ♂     |      | ♂    |      | ♂    |       | ♂    |     | ♂    |     |
|------|------|-------|------|------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-----|------|-----|
|      | decl | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl | lat   | decl | lat | decl | lat |
| S 1  | 7s47 | 4s 3  | 1n16 | 3s 2 | 0s17 | 16s20 | 4n35 | 19s52 | 1s 1 | 7n35 | 1n28 | 21s 5 | 0n 1 | 8s 3 | 0s44 | 18n37 | 0s 3 | 13s21 | 9n27 | 0n14 | 0s11 | 6n30 | 17s 5 | 6n10 |     |      |     |
| S 2  | 7 24 | 8 24  | 2 32 | 2 9  | 0 5  | 16 20 | 4 27 | 19 41 | 1 1  | 7 38 | 1 28 | 21 4  | 0 0  | 8 2  | 0 44 | 18 38 | 0 3  | 13 21 | 9 27 | 0 14 | 0 10 | 6 32 | 17 4  | 6 11 |     |      |     |
| M 3  | 7 1  | 12 11 | 3 37 | 1 16 | 0n 7 | 16 18 | 4 20 | 19 30 | 1 2  | 7 41 | 1 28 | 21 3  | 0 0  | 8 0  | 0 44 | 18 38 | 0 3  | 13 20 | 9 27 | 0 13 | 0 9  | 6 33 | 17 4  | 6 12 |     |      |     |
| T 4  | 6 38 | 15 9  | 4 27 | 0 23 | 0 19 | 16 17 | 4 12 | 19 19 | 1 2  | 7 44 | 1 28 | 21 2  | 0 0  | 7 59 | 0 44 | 18 38 | 0 3  | 13 20 | 9 28 | 0 13 | 0 8  | 6 35 | 17 3  | 6 12 |     |      |     |
| W 5  | 6 15 | 17 8  | 5 0  | 0n29 | 0 32 | 16 15 | 4 5  | 19 7  | 1 3  | 7 47 | 1 28 | 21 1  | 0 0  | 7 58 | 0 44 | 18 39 | 0 3  | 13 20 | 9 28 | 0 13 | 0 6  | 6 37 | 17 2  | 6 13 |     |      |     |
| T 6  | 5 52 | 18 6  | 5 16 | 1 19 | 0 45 | 16 12 | 3 57 | 18 56 | 1 3  | 7 50 | 1 28 | 21 0  | 0 0  | 7 56 | 0 44 | 18 39 | 0 3  | 13 20 | 9 28 | 0 13 | 0 5  | 6 39 | 17 1  | 6 13 |     |      |     |
| F 7  | 5 29 | 18 1  | 5 13 | 2 8  | 0 59 | 16 9  | 3 50 | 18 44 | 1 4  | 7 53 | 1 28 | 20 59 | 0 0  | 7 55 | 0 44 | 18 39 | 0 3  | 13 20 | 9 28 | 0 13 | 0 4  | 6 40 | 17 1  | 6 14 |     |      |     |
| S 8  | 5 5  | 16 58 | 4 55 | 2 55 | 1 12 | 16 6  | 3 42 | 18 31 | 1 4  | 7 57 | 1 28 | 20 58 | 0s 0 | 7 54 | 0 44 | 18 40 | 0 3  | 13 20 | 9 28 | 0 14 | 0 2  | 6 42 | 17 0  | 6 14 |     |      |     |
| S 9  | 4 42 | 15 5  | 4 22 | 3 40 | 1 26 | 16 2  | 3 35 | 18 19 | 1 5  | 8 0  | 1 28 | 20 58 | 0 0  | 7 52 | 0 44 | 18 40 | 0 3  | 13 19 | 9 29 | 0 14 | 0 1  | 6 44 | 16 59 | 6 15 |     |      |     |
| M10  | 4 18 | 12 30 | 3 37 | 4 23 | 1 39 | 15 58 | 3 28 | 18 7  | 1 5  | 8 3  | 1 28 | 20 57 | 0 0  | 7 51 | 0 44 | 18 40 | 0 3  | 13 19 | 9 29 | 0 15 | 0n 0 | 6 45 | 16 58 | 6 15 |     |      |     |
| T 11 | 3 55 | 9 23  | 2 42 | 5 2  | 1 52 | 15 53 | 3 20 | 17 54 | 1 6  | 8 6  | 1 28 | 20 56 | 0 0  | 7 50 | 0 44 | 18 40 | 0 3  | 13 19 | 9 29 | 0 15 | 0 1  | 6 47 | 16 58 | 6 16 |     |      |     |
| W12  | 3 31 | 5 55  | 1 40 | 5 39 | 2 5  | 15 48 | 3 13 | 17 41 | 1 6  | 8 9  | 1 28 | 20 55 | 0 0  | 7 48 | 0 44 | 18 41 | 0 3  | 13 19 | 9 29 | 0 16 | 0 3  | 6 49 | 16 57 | 6 17 |     |      |     |
| T 13 | 3 8  | 2 14  | 0 35 | 6 13 | 2 17 | 15 42 | 3 6  | 17 28 | 1 7  | 8 12 | 1 28 | 20 54 | 0 0  | 7 47 | 0 44 | 18 41 | 0 3  | 13 19 | 9 30 | 0 16 | 0 4  | 6 51 | 16 56 | 6 17 |     |      |     |
| F 14 | 2 44 | 1n30  | 0s31 | 6 43 | 2 29 | 15 36 | 2 58 | 17 15 | 1 7  | 8 14 | 1 28 | 20 53 | 0 0  | 7 46 | 0 44 | 18 41 | 0 3  | 13 18 | 9 30 | 0 16 | 0 5  | 6 52 | 16 55 | 6 18 |     |      |     |
| S 15 | 2 21 | 5 9   | 1 36 | 7 9  | 2 40 | 15 29 | 2 51 | 17 1  | 1 8  | 8 17 | 1 28 | 20 52 | 0 1  | 7 45 | 0 44 | 18 42 | 0 3  | 13 18 | 9 30 | 0 16 | 0 6  | 6 54 | 16 55 | 6 18 |     |      |     |
| S 16 | 1 57 | 8 34  | 2 36 | 7 31 | 2 50 | 15 22 | 2 44 | 16 48 | 1 8  | 8 20 | 1 28 | 20 51 | 0 1  | 7 43 | 0 44 | 18 42 | 0 3  | 13 18 | 9 30 | 0 16 | 0 8  | 6 56 | 16 54 | 6 19 |     |      |     |
| M17  | 1 33 | 11 39 | 3 29 | 7 49 | 3 0  | 15 15 | 2 37 | 16 34 | 1 9  | 8 23 | 1 28 | 20 51 | 0 1  | 7 42 | 0 44 | 18 42 | 0 3  | 13 18 | 9 30 | 0 16 | 0 9  | 6 57 | 16 53 | 6 20 |     |      |     |
| T 18 | 1 9  | 14 16 | 4 14 | 8 3  | 3 8  | 15 7  | 2 30 | 16 20 | 1 9  | 8 26 | 1 28 | 20 50 | 0 1  | 7 41 | 0 44 | 18 42 | 0 3  | 13 18 | 9 31 | 0 15 | 0 10 | 6 59 | 16 52 | 6 20 |     |      |     |
| W19  | 0 46 | 16 18 | 4 48 | 8 13 | 3 15 | 14 58 | 2 23 | 16 6  | 1 10 | 8 29 | 1 28 | 20 49 | 0 1  | 7 40 | 0 44 | 18 43 | 0 3  | 13 17 | 9 31 | 0 15 | 0 11 | 7 1  | 16 51 | 6 21 |     |      |     |
| T 20 | 0 22 | 17 38 | 5 10 | 8 19 | 3 20 | 14 49 | 2 16 | 15 52 | 1 10 | 8 31 | 1 28 | 20 48 | 0 1  | 7 38 | 0 44 | 18 43 | 0 3  | 13 17 | 9 31 | 0 15 | 0 13 | 7 2  | 16 51 | 6 21 |     |      |     |
| F 21 | 0n 2 | 18 10 | 5 18 | 8 20 | 3 24 | 14 40 | 2 9  | 15 37 | 1 11 | 8 34 | 1 28 | 20 47 | 0 1  | 7 37 | 0 44 | 18 43 | 0 3  | 13 17 | 9 31 | 0 15 | 0 14 | 7 4  | 16 50 | 6 22 |     |      |     |
| S 22 | 0 25 | 17 48 | 5 11 | 8 16 | 3 27 | 14 30 | 2 2  | 15 23 | 1 11 | 8 37 | 1 28 | 20 47 | 0 1  | 7 36 | 0 44 | 18 43 | 0 3  | 13 17 | 9 32 | 0 15 | 0 15 | 7 6  | 16 49 | 6 23 |     |      |     |
| S 23 | 0 49 | 16 30 | 4 48 | 8 9  | 3 28 | 14 20 | 1 56 | 15 8  | 1 12 | 8 39 | 1 28 | 20 46 | 0 1  | 7 34 | 0 44 | 18 43 | 0 3  | 13 16 | 9 32 | 0 15 | 0 17 | 7 8  | 16 48 | 6 23 |     |      |     |
| M24  | 1 13 | 14 14 | 4 8  | 7 57 | 3 27 | 14 9  | 1 49 | 14 53 | 1 12 | 8 42 | 1 28 | 20 45 | 0 1  | 7 33 | 0 44 | 18 44 | 0 3  | 13 16 | 9 32 | 0 15 | 0 18 | 7 9  | 16 48 | 6 24 |     |      |     |
| T 25 | 1 36 | 11 5  | 3 12 | 7 41 | 3 24 | 13 57 | 1 43 | 14 38 | 1 12 | 8 44 | 1 28 | 20 44 | 0 1  | 7 32 | 0 44 | 18 44 | 0 3  | 13 16 | 9 32 | 0 15 | 0 19 | 7 11 | 16 47 | 6 25 |     |      |     |
| W26  | 2 0  | 7 10  | 2 3  | 7 22 | 3 20 | 13 46 | 1 36 | 14 23 | 1 13 | 8 47 | 1 28 | 20 44 | 0 1  | 7 31 | 0 44 | 18 44 | 0 3  | 13 16 | 9 32 | 0 15 | 0 20 | 7 13 | 16 46 | 6 25 |     |      |     |
| T 27 | 2 23 | 2 42  | 0 44 | 6 59 | 3 14 | 13 33 | 1 30 | 14 8  | 1 13 | 8 49 | 1 28 | 20 43 | 0 1  | 7 30 | 0 44 | 18 44 | 0 3  | 13 16 | 9 33 | 0 15 | 0 22 | 7 14 | 16 45 | 6 26 |     |      |     |
| F 28 | 2 47 | 2s 0  | 0n40 | 6 34 | 3 6  | 13 21 | 1 23 | 13 52 | 1 14 | 8 52 | 1 28 | 20 42 | 0 2  | 7 28 | 0 44 | 18 44 | 0 3  | 13 15 | 9 33 | 0 15 | 0 23 | 7 16 | 16 45 | 6 26 |     |      |     |
| S 29 | 3 10 | 6 37  | 2 1  | 6 6  | 2 56 | 13 8  | 1 17 | 13 37 | 1 14 | 8 54 | 1 28 | 20 42 | 0 2  | 7 27 | 0 44 | 18 45 | 0 3  | 13 15 | 9 33 | 0 15 | 0 24 | 7 18 | 16 44 | 6 27 |     |      |     |
| S 30 | 3 33 | 10 47 | 3 14 | 5 37 | 2 45 | 12 54 | 1 11 | 13 21 | 1 14 | 8 56 | 1 28 | 20 41 | 0 2  | 7 26 | 0 44 | 18 45 | 0 3  | 13 15 | 9 33 | 0 15 | 0 25 | 7 19 | 16 43 | 6 28 |     |      |     |
| M31  | 3n57 | 14s11 | 4n12 | 5n 6 | 2n33 | 12s40 | 1n 5 | 13s 5 | 1s15 | 8n58 | 1n28 | 20s40 | 0s 2 | 7s25 | 0s44 | 18n45 | 0s 3 | 13s15 | 9n33 | 0n16 | 0n27 | 7n21 | 16s42 | 6n28 |     |      |     |



ASTRODIENST EPHEMERIS for the year 1755  
geocentric

MAY 1755

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♊     | ♋     | ♌      | ♍     | ♎      | ♏     | ♐    | ♑      | ♒      | ♓     | ♈     | ♉     | Day  |
|------|----------|----------|-------|-------|-------|--------|-------|--------|-------|------|--------|--------|-------|-------|-------|------|
| T 1  | 14 34 19 | 10♈13'44 | 13♊33 | 13♊54 | 26♋59 | 22♌39  | 8°R42 | 28♎52  | 14♏19 | 6♐0  | 15°R46 | 28°R33 | 27♑15 | 27♒40 | 9°R 1 | T 1  |
| F 2  | 14 38 15 | 11°11'51 | 27° 2 | 15° 7 | 28° 6 | 23°25  | 8♐41  | 28°53  | 14°21 | 6° 0 | 15♑45  | 28♒30  | 27°11 | 27°47 | 9♓0   | F 2  |
| S 3  | 14 42 12 | 12° 9'56 | 10♋4  | 16°22 | 29°14 | 24°11  | 8°41  | 28°54  | 14°23 | 6° 1 | 15°43  | 28°D29 | 27° 8 | 27°54 | 8°58  | S 3  |
| S 4  | 14 46 9  | 13° 7'59 | 22°42 | 17°40 | 0♌21  | 24°57  | 8°40  | 28°54  | 14°25 | 6° 1 | 15°42  | 28°29  | 27° 5 | 28° 0 | 8°57  | S 4  |
| M 5  | 14 50 5  | 14° 6'01 | 5♌0   | 18°59 | 1°29  | 25°43  | 8°40  | 28°55  | 14°27 | 6° 2 | 15°41  | 28°31  | 27° 2 | 28° 7 | 8°56  | M 5  |
| T 6  | 14 54 2  | 15° 4'02 | 17° 5 | 20°21 | 2°37  | 26°29  | 8°D40 | 28°55  | 14°29 | 6° 3 | 15°39  | 28°32  | 26°59 | 28°14 | 8°54  | T 6  |
| W 7  | 14 57 58 | 16° 2'02 | 28°59 | 21°46 | 3°45  | 27°14  | 8°40  | 28°55  | 14°32 | 6° 3 | 15°38  | 28°R32 | 26°56 | 28°20 | 8°52  | W 7  |
| T 8  | 15 1 55  | 17° 0'00 | 10♌48 | 23°12 | 4°53  | 28° 0  | 8°40  | 28°55  | 14°34 | 6° 4 | 15°37  | 28°32  | 26°52 | 28°27 | 8°51  | T 8  |
| F 9  | 15 5 51  | 17°57'56 | 22°34 | 24°41 | 6° 1  | 28°46  | 8°41  | 28°R55 | 14°35 | 6° 5 | 15°35  | 28°29  | 26°49 | 28°34 | 8°49  | F 9  |
| S 10 | 15 9 48  | 18°55'51 | 4♌23  | 26°12 | 7°10  | 29°32  | 8°42  | 28°55  | 14°37 | 6° 5 | 15°34  | 28°23  | 26°46 | 28°40 | 8°47  | S 10 |
| S 11 | 15 13 44 | 19°53'45 | 16°14 | 27°45 | 8°18  | 0♌17   | 8°43  | 28°55  | 14°39 | 6° 6 | 15°33  | 28°16  | 26°43 | 28°47 | 8°45  | S 11 |
| M12  | 15 17 41 | 20°51'38 | 28°12 | 29°20 | 9°27  | 1° 3   | 8°44  | 28°55  | 14°41 | 6° 7 | 15°31  | 28° 7  | 26°40 | 28°54 | 8°43  | M12  |
| T 13 | 15 21 37 | 21°49'28 | 10♌16 | 0♌57  | 10°35 | 1°49   | 8°45  | 28°54  | 14°43 | 6° 8 | 15°30  | 27°57  | 26°36 | 29° 0 | 8°41  | T 13 |
| W14  | 15 25 34 | 22°47'18 | 22°29 | 2°36  | 11°44 | 2°34   | 8°46  | 28°54  | 14°45 | 6° 9 | 15°28  | 27°47  | 26°33 | 29° 7 | 8°39  | W14  |
| T 15 | 15 29 31 | 23°45'06 | 4♌52  | 4°18  | 12°53 | 3°20   | 8°48  | 28°53  | 14°46 | 6°10 | 15°27  | 27°38  | 26°30 | 29°14 | 8°37  | T 15 |
| F 16 | 15 33 27 | 24°42'52 | 17°25 | 6° 1  | 14° 1 | 4° 6   | 8°50  | 28°53  | 14°48 | 6°11 | 15°25  | 27°30  | 26°27 | 29°20 | 8°35  | F 16 |
| S 17 | 15 37 24 | 25°40'36 | 0♌13  | 7°47  | 15°10 | 4°51   | 8°52  | 28°52  | 14°50 | 6°12 | 15°24  | 27°25  | 26°24 | 29°27 | 8°32  | S 17 |
| S 18 | 15 41 20 | 26°38'19 | 13°15 | 9°35  | 16°19 | 5°37   | 8°54  | 28°51  | 14°51 | 6°13 | 15°23  | 27°22  | 26°21 | 29°34 | 8°30  | S 18 |
| M19  | 15 45 17 | 27°36'01 | 26°36 | 11°25 | 17°28 | 6°22   | 8°56  | 28°50  | 14°53 | 6°14 | 15°21  | 27°D21 | 26°17 | 29°40 | 8°28  | M19  |
| T 20 | 15 49 13 | 28°33'41 | 10♌17 | 13°17 | 18°37 | 7° 7   | 8°59  | 28°49  | 14°54 | 6°15 | 15°20  | 27°22  | 26°14 | 29°47 | 8°25  | T 20 |
| W21  | 15 53 10 | 29°31'19 | 24°20 | 15°11 | 19°47 | 7°53   | 9° 1  | 28°48  | 14°56 | 6°16 | 15°18  | 27°R22 | 26°11 | 29°54 | 8°22  | W21  |
| T 22 | 15 57 6  | 0♌28'55  | 8♌44  | 17° 7 | 20°56 | 8°38   | 9° 4  | 28°47  | 14°57 | 6°17 | 15°16  | 27°22  | 26° 8 | 0♌0   | 8°20  | T 22 |
| F 23 | 16 1 3   | 1°26'30  | 23°28 | 19° 5 | 22° 5 | 9°23   | 9° 7  | 28°46  | 14°59 | 6°18 | 15°15  | 27°19  | 26° 5 | 0° 7  | 8°17  | F 23 |
| S 24 | 16 5 0   | 2°24'04  | 8♌26  | 21° 5 | 23°15 | 10° 8  | 9°10  | 28°44  | 15° 0 | 6°19 | 15°13  | 27°15  | 26° 2 | 0°14  | 8°14  | S 24 |
| S 25 | 16 8 56  | 3°21'36  | 23°31 | 23° 7 | 24°24 | 10°54  | 9°14  | 28°43  | 15° 1 | 6°20 | 15°12  | 27° 7  | 25°58 | 0°20  | 8°11  | S 25 |
| M26  | 16 12 53 | 4°19'08  | 8♌33  | 25°11 | 25°34 | 11°39  | 9°17  | 28°41  | 15° 2 | 6°21 | 15°10  | 26°58  | 25°55 | 0°27  | 8° 9  | M26  |
| T 27 | 16 16 49 | 5°16'38  | 23°23 | 27°17 | 26°43 | 12°24  | 9°21  | 28°39  | 15° 4 | 6°23 | 15° 9  | 26°48  | 25°52 | 0°34  | 8° 6  | T 27 |
| W28  | 16 20 46 | 6°14'07  | 7♊53  | 29°24 | 27°53 | 13° 9  | 9°25  | 28°38  | 15° 5 | 6°24 | 15° 7  | 26°39  | 25°49 | 0°40  | 8° 3  | W28  |
| T 29 | 16 24 42 | 7°11'36  | 21°56 | 1♌32  | 29° 3 | 13°54  | 9°29  | 28°36  | 15° 6 | 6°25 | 15° 6  | 26°30  | 25°46 | 0°47  | 8° 0  | T 29 |
| F 30 | 16 28 39 | 8° 9'03  | 5♌31  | 3°42  | 0♌13  | 14°39  | 9°33  | 28°34  | 15° 7 | 6°27 | 15° 4  | 26°24  | 25°42 | 0°54  | 7°57  | F 30 |
| S 31 | 16 32 36 | 9♌6'30   | 18♌37 | 5♌53  | 1♌22  | 15°V24 | 9♌37  | 28♊32  | 15♋8  | 6♌28 | 15♌2   | 26♑20  | 25♒39 | 1♌0   | 7♊53  | S 31 |

| Day  | ☉     | ☾     |      | ♊     |      | ♋     |      | ♌    |      | ♍    |      | ♎     |      | ♏    |      | ♐     |      | ♑     |      | ♒    | ♓    | ♈    | ♉     | ♊    | ♋    | ♌   |
|------|-------|-------|------|-------|------|-------|------|------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|------|-------|------|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | decl | decl | decl  | decl | decl | lat |
| T 1  | 14n54 | 17s48 | 5n 0 | 2n45  | 2s58 | 2s24  | 1s19 | 4s12 | 1s23 | 9n36 | 1n23 | 20s29 | 0s 4 | 6s53 | 0s45 | 18n46 | 0s 2 | 13s 7 | 9n38 | 0n35 | 1n 6 | 8n13 | 16s23 | 6n48 |      |     |
| F 2  | 15 12 | 16 18 | 4 33 | 3 13  | 2 59 | 2 0   | 1 22 | 3 54 | 1 23 | 9 36 | 1 23 | 20 29 | 0 4  | 6 52 | 0 45 | 18 45 | 0 2  | 13 7  | 9 38 | 0 36 | 1 7  | 8 15 | 16 22 | 6 49 |      |     |
| S 3  | 15 30 | 14 0  | 3 53 | 3 41  | 2 59 | 1 36  | 1 25 | 3 35 | 1 23 | 9 36 | 1 22 | 20 29 | 0 5  | 6 51 | 0 45 | 18 45 | 0 2  | 13 7  | 9 38 | 0 36 | 1 8  | 8 16 | 16 22 | 6 49 |      |     |
| S 4  | 15 48 | 11 6  | 3 2  | 4 11  | 2 59 | 1 12  | 1 27 | 3 17 | 1 24 | 9 36 | 1 22 | 20 29 | 0 5  | 6 50 | 0 45 | 18 45 | 0 2  | 13 7  | 9 38 | 0 36 | 1 10 | 8 18 | 16 21 | 6 50 |      |     |
| M 5  | 16 5  | 7 46  | 2 4  | 4 42  | 2 58 | 0 47  | 1 30 | 2 59 | 1 24 | 9 36 | 1 22 | 20 29 | 0 5  | 6 49 | 0 45 | 18 45 | 0 2  | 13 6  | 9 39 | 0 36 | 1 11 | 8 20 | 16 21 | 6 50 |      |     |
| T 6  | 16 23 | 4 10  | 1 2  | 5 15  | 2 56 | 0 22  | 1 33 | 2 41 | 1 24 | 9 36 | 1 22 | 20 29 | 0 5  | 6 49 | 0 45 | 18 45 | 0 2  | 13 6  | 9 39 | 0 35 | 1 12 | 8 21 | 16 20 | 6 51 |      |     |
| W 7  | 16 39 | 0 27  | 0s 2 | 5 48  | 2 54 | 0n 2  | 1 35 | 2 23 | 1 24 | 9 35 | 1 22 | 20 29 | 0 5  | 6 48 | 0 45 | 18 45 | 0 2  | 13 6  | 9 39 | 0 35 | 1 13 | 8 23 | 16 20 | 6 52 |      |     |
| T 8  | 16 56 | 3n16  | 1 6  | 6 23  | 2 51 | 0 27  | 1 37 | 2 5  | 1 24 | 9 35 | 1 21 | 20 29 | 0 5  | 6 47 | 0 45 | 18 45 | 0 2  | 13 6  | 9 39 | 0 35 | 1 15 | 8 25 | 16 19 | 6 52 |      |     |
| F 9  | 17 12 | 6 51  | 2 6  | 6 58  | 2 48 | 0 52  | 1 40 | 1 47 | 1 24 | 9 35 | 1 21 | 20 29 | 0 5  | 6 46 | 0 45 | 18 45 | 0 2  | 13 6  | 9 39 | 0 36 | 1 16 | 8 26 | 16 19 | 6 53 |      |     |
| S 10 | 17 28 | 10 9  | 3 1  | 7 35  | 2 44 | 1 17  | 1 42 | 1 28 | 1 24 | 9 34 | 1 21 | 20 29 | 0 5  | 6 46 | 0 45 | 18 44 | 0 2  | 13 5  | 9 39 | 0 38 | 1 17 | 8 28 | 16 18 | 6 53 |      |     |
| S 11 | 17 44 | 13 4  | 3 48 | 8 12  | 2 39 | 1 42  | 1 44 | 1 10 | 1 24 | 9 34 | 1 21 | 20 29 | 0 5  | 6 45 | 0 45 | 18 44 | 0 2  | 13 5  | 9 39 | 0 41 | 1 18 | 8 30 | 16 18 | 6 54 |      |     |
| M12  | 18 0  | 15 28 | 4 25 | 8 51  | 2 34 | 2 8   | 1 46 | 0 52 | 1 24 | 9 33 | 1 21 | 20 29 | 0 5  | 6 44 | 0 45 | 18 44 | 0 2  | 13 5  | 9 39 | 0 45 | 1 20 | 8 31 | 16 17 | 6 54 |      |     |
| T 13 | 18 15 | 17 13 | 4 51 | 9 30  | 2 28 | 2 33  | 1 47 | 0 34 | 1 24 | 9 32 | 1 20 | 20 30 | 0 5  | 6 44 | 0 46 | 18 44 | 0 2  | 13 5  | 9 39 | 0 49 | 1 21 | 8 33 | 16 17 | 6 55 |      |     |
| W14  | 18 29 | 18 12 | 5 4  | 10 10 | 2 22 | 2 58  | 1 49 | 0 16 | 1 24 | 9 32 | 1 20 | 20 30 | 0 6  | 6 43 | 0 46 | 18 44 | 0 2  | 13 5  | 9 39 | 0 53 | 1 22 | 8 35 | 16 17 | 6 55 |      |     |
| T 15 | 18 44 | 18 20 | 5 3  | 10 50 | 2 16 | 3 23  | 1 51 | 0n 2 | 1 24 | 9 31 | 1 20 | 20 30 | 0 6  | 6 42 | 0 46 | 18 43 | 0 2  | 13 5  | 9 39 | 0 57 | 1 24 | 8 36 | 16 16 | 6 56 |      |     |
| F 16 | 18 58 | 17 35 | 4 47 | 11 31 | 2 9  | 3 49  | 1 52 | 0 20 | 1 24 | 9 30 | 1 20 | 20 30 | 0 6  | 6 42 | 0 46 | 18 43 | 0 2  | 13 4  | 9 39 | 1 0  | 1 25 | 8 38 | 16 16 | 6 56 |      |     |
| S 17 | 19 12 | 15 56 | 4 17 | 12 13 | 2 1  | 4 14  | 1 54 | 0 38 | 1 24 | 9 29 | 1 20 | 20 30 | 0 6  | 6 41 | 0 46 | 18 43 | 0 2  | 13 4  | 9 39 | 1 2  | 1 26 | 8 40 | 16 15 | 6 57 |      |     |
| S 18 | 19 26 | 13 27 | 3 33 | 12 55 | 1 53 | 4 39  | 1 55 | 0 56 | 1 24 | 9 28 | 1 19 | 20 31 | 0 6  | 6 40 | 0 46 | 18 43 | 0 2  | 13 4  | 9 39 | 1 3  | 1 27 | 8 41 | 16 15 | 6 57 |      |     |
| M19  | 19 39 | 10 12 | 2 37 | 13 37 | 1 45 | 5 5   | 1 56 | 1 14 | 1 24 | 9 27 | 1 19 | 20 31 | 0 6  | 6 40 | 0 46 | 18 42 | 0 2  | 13 4  | 9 39 | 1 3  | 1 29 | 8 43 | 16 15 | 6 58 |      |     |
| T 20 | 19 52 | 6 20  | 1 30 | 14 19 | 1 36 | 5 30  | 1 57 | 1 32 | 1 24 | 9 26 | 1 19 | 20 31 | 0 6  | 6 39 | 0 46 | 18 42 | 0 2  | 13 4  | 9 39 | 1 3  | 1 30 | 8 44 | 16 14 | 6 58 |      |     |
| W21  | 20 4  | 2 0   | 0 16 | 15 2  | 1 27 | 5 55  | 1 58 | 1 50 | 1 24 | 9 25 | 1 19 | 20 32 | 0 6  | 6 39 | 0 46 | 18 42 | 0 2  | 13 4  | 9 39 | 1 3  | 1 31 | 8 46 | 16 14 | 6 59 |      |     |
| T 22 | 20 17 | 2s33  | 1n 0 | 15 44 | 1 17 | 6 20  | 1 59 | 2 8  | 1 24 | 9 24 | 1 19 | 20 32 | 0 6  | 6 38 | 0 46 | 18 42 | 0 2  | 13 3  | 9 39 | 1 3  | 1 32 | 8 48 | 16 14 | 6 59 |      |     |
| F 23 | 20 28 | 7 2   | 2 14 | 16 26 | 1 7  | 6 45  | 2 0  | 2 26 | 1 24 | 9 22 | 1 18 | 20 32 | 0 6  | 6 38 | 0 46 | 18 41 | 0 2  | 13 3  | 9 39 | 1 4  | 1 34 | 8 49 | 16 14 | 7 0  |      |     |
| S 24 | 20 40 | 11 10 | 3 21 | 17 8  | 0 57 | 7 10  | 2 1  | 2 44 | 1 24 | 9 21 | 1 18 | 20 33 | 0 6  | 6 37 | 0 46 | 18 41 | 0 2  | 13 3  | 9 39 | 1 6  | 1 35 | 8 51 | 16 13 | 7 0  |      |     |
| S 25 | 20 51 | 14 35 | 4 13 | 17 49 | 0 47 | 7 35  | 2 1  | 3 2  | 1 24 | 9 19 | 1 18 | 20 33 | 0 7  | 6 37 | 0 46 | 18 41 | 0 2  | 13 3  | 9 39 | 1 9  | 1 36 | 8 53 | 16 13 | 7 1  |      |     |
| M26  | 21 2  | 17 1  | 4 48 | 18 30 | 0 36 | 8 0   | 2 2  | 3 19 | 1 24 | 9 18 | 1 18 | 20 33 | 0 7  | 6 36 | 0 46 | 18 41 | 0 2  | 13 3  | 9 39 | 1 12 | 1 37 | 8 54 | 16 13 | 7 1  |      |     |
| T 27 | 21 12 | 18 16 | 5 2  | 19 10 | 0 26 | 8 25  | 2 2  | 3 37 | 1 24 | 9 16 | 1 18 | 20 34 | 0 7  | 6 36 | 0 46 | 18 40 | 0 2  | 13 3  | 9 39 | 1 16 | 1 39 | 8 56 | 16 12 | 7 2  |      |     |
| W28  | 21 23 | 18 17 | 4 57 | 19 48 | 0 15 | 8 50  | 2 2  | 3 55 | 1 24 | 9 15 | 1 17 | 20 34 | 0 7  | 6 36 | 0 46 | 18 40 | 0 2  | 13 3  | 9 39 | 1 20 | 1 40 | 8 58 | 16 12 | 7 2  |      |     |
| T 29 | 21 32 | 17 10 | 4 34 | 20 26 | 0 4  | 9 14  | 2 3  | 4 12 | 1 24 | 9 13 | 1 17 | 20 35 | 0 7  | 6 35 | 0 46 | 18 40 | 0 2  | 13 2  | 9 39 | 1 23 | 1 41 | 8 59 | 16 12 | 7 2  |      |     |
| F 30 | 21 42 | 15 6  | 3 56 | 21 1  | 0n 6 | 9 39  | 2 3  | 4 30 | 1 23 | 9 11 | 1 17 | 20 35 | 0 7  | 6 35 | 0 46 | 18 39 | 0 2  | 13 2  | 9 39 | 1 26 | 1 42 | 9 1  | 16 12 | 7 3  |      |     |
| S 31 | 21n51 | 12s19 | 3n 6 | 21n35 | 0n17 | 10n 3 | 2s 3 | 4n47 | 1s23 | 9n 9 | 1n17 | 20s36 | 0s 7 | 6s34 | 0s46 | 18n39 | 0s 2 | 13s 2 | 9n39 | 1n27 | 1n44 | 9n 2 | 16s12 | 7n 3 |      |     |



# ASTRODIENST EPHEMERIS for the year 1755

## geocentric

JULY 1755

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♂      | ♀     | ♂     | ♂     | ♂      | ♂      | ♂    | ♂      | ♂      | ♂     | ♂    | ♂     | Day  |
|------|----------|----------|-------|--------|-------|-------|-------|--------|--------|------|--------|--------|-------|------|-------|------|
| T 1  | 18 34 49 | 8°42'09  | 3°51  | 3°42   | 7°56  | 8°5   | 13°12 | 26°R52 | 15°R15 | 7°21 | 14°R14 | 23°R25 | 24°1  | 4°27 | 6°R 0 | T 1  |
| W 2  | 18 38 45 | 9°39'21  | 15°47 | 4°59   | 9°7   | 8°48  | 13°10 | 26°348 | 15°14  | 7°23 | 14°13  | 23°25  | 23°58 | 4°34 | 5°56  | W 2  |
| T 3  | 18 42 42 | 10°36'32 | 27°37 | 6°14   | 10°19 | 9°31  | 13°19 | 26°44  | 15°14  | 7°25 | 14°12  | 23°24  | 23°54 | 4°41 | 5°52  | T 3  |
| F 4  | 18 46 38 | 11°33'45 | 9°26  | 7°26   | 11°30 | 10°13 | 13°28 | 26°40  | 15°13  | 7°27 | 14°10  | 23°21  | 23°51 | 4°47 | 5°49  | F 4  |
| S 5  | 18 50 35 | 12°30'57 | 21°21 | 8°36   | 12°42 | 10°56 | 13°37 | 26°36  | 15°12  | 7°29 | 14°9   | 23°15  | 23°48 | 4°54 | 5°45  | S 5  |
| S 6  | 18 54 32 | 13°28'10 | 3°24  | 9°43   | 13°54 | 11°38 | 13°46 | 26°32  | 15°12  | 7°31 | 14°7   | 23°7   | 23°45 | 5°1  | 5°41  | S 6  |
| M 7  | 18 58 28 | 14°25'23 | 15°39 | 10°47  | 15°5  | 12°21 | 13°55 | 26°27  | 15°11  | 7°33 | 14°6   | 22°57  | 23°42 | 5°7  | 5°37  | M 7  |
| T 8  | 19 2 25  | 15°22'37 | 28°7  | 11°48  | 16°17 | 13°3  | 14°4  | 26°23  | 15°10  | 7°35 | 14°5   | 22°45  | 23°39 | 5°14 | 5°33  | T 8  |
| W 9  | 19 6 21  | 16°19'51 | 10°49 | 12°46  | 17°29 | 13°45 | 14°13 | 26°19  | 15°9   | 7°37 | 14°4   | 22°34  | 23°35 | 5°21 | 5°30  | W 9  |
| T 10 | 19 10 18 | 17°17'05 | 23°46 | 13°41  | 18°41 | 14°27 | 14°23 | 26°14  | 15°8   | 7°40 | 14°2   | 22°23  | 23°32 | 5°27 | 5°26  | T 10 |
| F 11 | 19 14 14 | 18°14'19 | 6°55  | 14°32  | 19°53 | 15°9  | 14°32 | 26°10  | 15°7   | 7°42 | 14°1   | 22°14  | 23°29 | 5°34 | 5°22  | F 11 |
| S 12 | 19 18 11 | 19°11'34 | 20°17 | 15°21  | 21°5  | 15°51 | 14°42 | 26°6   | 15°6   | 7°44 | 14°0   | 22°8   | 23°26 | 5°41 | 5°19  | S 12 |
| S 13 | 19 22 7  | 20°8'49  | 3°50  | 16°5   | 22°17 | 16°33 | 14°52 | 26°1   | 15°5   | 7°46 | 13°59  | 22°4   | 23°23 | 5°47 | 5°15  | S 13 |
| M14  | 19 26 4  | 21°6'03  | 17°32 | 16°47  | 23°29 | 17°15 | 15°2  | 25°57  | 15°4   | 7°48 | 13°57  | 22°D 3 | 23°19 | 5°54 | 5°11  | M14  |
| T 15 | 19 30 1  | 22°3'19  | 1°23  | 17°24  | 24°41 | 17°56 | 15°12 | 25°52  | 15°3   | 7°50 | 13°56  | 22°3   | 23°16 | 6°1  | 5°8   | T 15 |
| W16  | 19 33 57 | 23°0'34  | 15°23 | 17°57  | 25°53 | 18°38 | 15°22 | 25°48  | 15°2   | 7°52 | 13°55  | 22°4   | 23°13 | 6°7  | 5°4   | W16  |
| T 17 | 19 37 54 | 23°57'49 | 29°30 | 18°27  | 27°5  | 19°19 | 15°32 | 25°43  | 15°1   | 7°55 | 13°54  | 22°R 4 | 23°10 | 6°14 | 5°1   | T 17 |
| F 18 | 19 41 50 | 24°55'05 | 13°44 | 18°52  | 28°17 | 20°1  | 15°42 | 25°39  | 15°0   | 7°57 | 13°53  | 22°2   | 23°7  | 6°21 | 4°57  | F 18 |
| S 19 | 19 45 47 | 25°52'21 | 28°2  | 19°12  | 29°30 | 20°42 | 15°52 | 25°35  | 14°58  | 7°59 | 13°52  | 21°59  | 23°4  | 6°27 | 4°54  | S 19 |
| S 20 | 19 49 43 | 26°49'37 | 12°22 | 19°28  | 0°42  | 21°23 | 16°2  | 25°30  | 14°57  | 8°1  | 13°51  | 21°53  | 23°0  | 6°34 | 4°50  | S 20 |
| M21  | 19 53 40 | 27°46'54 | 26°40 | 19°39  | 1°54  | 22°4  | 16°13 | 25°26  | 14°56  | 8°3  | 13°50  | 21°45  | 22°57 | 6°41 | 4°47  | M21  |
| T 22 | 19 57 36 | 28°44'11 | 10°49 | 19°46  | 3°7   | 22°45 | 16°23 | 25°21  | 14°54  | 8°6  | 13°49  | 21°37  | 22°54 | 6°47 | 4°43  | T 22 |
| W23  | 20 1 33  | 29°41'29 | 24°45 | 19°R47 | 4°19  | 23°26 | 16°34 | 25°17  | 14°53  | 8°8  | 13°48  | 21°29  | 22°51 | 6°54 | 4°40  | W23  |
| T 24 | 20 5 30  | 0°38'47  | 8°44  | 19°44  | 5°32  | 24°6  | 16°45 | 25°12  | 14°51  | 8°10 | 13°47  | 21°22  | 22°48 | 7°1  | 4°37  | T 24 |
| F 25 | 20 9 26  | 1°36'06  | 21°43 | 19°35  | 6°44  | 24°47 | 16°55 | 25°8   | 14°50  | 8°12 | 13°46  | 21°16  | 22°45 | 7°8  | 4°34  | F 25 |
| S 26 | 20 13 23 | 2°33'26  | 4°41  | 19°21  | 7°57  | 25°27 | 17°6  | 25°4   | 14°48  | 8°14 | 13°45  | 21°13  | 22°41 | 7°14 | 4°30  | S 26 |
| S 27 | 20 17 19 | 3°30'47  | 17°20 | 19°3   | 9°9   | 26°8  | 17°17 | 24°59  | 14°47  | 8°17 | 13°44  | 21°D11 | 22°38 | 7°21 | 4°27  | S 27 |
| M28  | 20 21 16 | 4°28'09  | 29°40 | 18°39  | 10°22 | 26°48 | 17°28 | 24°55  | 14°45  | 8°19 | 13°43  | 21°12  | 22°35 | 7°28 | 4°24  | M28  |
| T 29 | 20 25 12 | 5°25'32  | 11°46 | 18°11  | 11°35 | 27°28 | 17°39 | 24°51  | 14°43  | 8°21 | 13°42  | 21°13  | 22°32 | 7°34 | 4°21  | T 29 |
| W30  | 20 29 9  | 6°22'56  | 23°42 | 17°38  | 12°47 | 28°8  | 17°50 | 24°46  | 14°42  | 8°23 | 13°41  | 21°14  | 22°29 | 7°41 | 4°18  | W30  |
| T 31 | 20 33 5  | 7°20'21  | 5°34  | 17°1   | 14°0  | 28°48 | 18°1  | 24°42  | 14°40  | 8°25 | 13°41  | 21°R15 | 22°25 | 7°48 | 4°15  | T 31 |

| Day  | ☉     | ☽     | ♂    | ♀     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂    | ♂    | ♂     | ♂    | ♂    | ♂    | ♂     | Day  |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  |
| T 1  | 23n11 | 0n41  | 0s55 | 20n17 | 0n58 | 20n16 | 1s25 | 13n 3 | 1s14 | 7n47 | 1n11 | 20s58 | 0s10 | 6s33 | 0s47 | 18n26 | 0s 1 |
| W 2  | 23 7  | 4 26  | 1 56 | 19 50 | 0 49 | 20 29 | 1 23 | 13 17 | 1 14 | 7 43 | 1 11 | 20 59 | 0 10 | 6 33 | 0 47 | 18 25 | 0 1  |
| T 3  | 23 3  | 7 58  | 2 51 | 19 23 | 0 40 | 20 42 | 1 21 | 13 31 | 1 13 | 7 40 | 1 11 | 21 0  | 0 10 | 6 33 | 0 47 | 18 25 | 0 1  |
| F 4  | 22 58 | 11 12 | 3 39 | 18 55 | 0 30 | 20 54 | 1 18 | 13 45 | 1 13 | 7 36 | 1 11 | 21 1  | 0 10 | 6 34 | 0 47 | 18 24 | 0 1  |
| S 5  | 22 53 | 13 59 | 4 17 | 18 27 | 0 20 | 21 6  | 1 16 | 13 59 | 1 12 | 7 33 | 1 11 | 21 2  | 0 10 | 6 34 | 0 47 | 18 24 | 0 1  |
| S 6  | 22 47 | 16 12 | 4 45 | 17 59 | 0 9  | 21 17 | 1 14 | 14 12 | 1 12 | 7 29 | 1 11 | 21 3  | 0 11 | 6 34 | 0 48 | 18 23 | 0 1  |
| M 7  | 22 41 | 17 43 | 5 0  | 17 31 | 0s 2 | 21 27 | 1 11 | 14 26 | 1 11 | 7 25 | 1 11 | 21 4  | 0 11 | 6 35 | 0 48 | 18 23 | 0 1  |
| T 8  | 22 35 | 18 26 | 5 1  | 17 4  | 0 13 | 21 37 | 1 9  | 14 39 | 1 11 | 7 22 | 1 11 | 21 5  | 0 11 | 6 35 | 0 48 | 18 22 | 0 1  |
| W 9  | 22 28 | 18 15 | 4 48 | 16 36 | 0 25 | 21 47 | 1 6  | 14 52 | 1 10 | 7 18 | 1 10 | 21 6  | 0 11 | 6 35 | 0 48 | 18 22 | 0 1  |
| T 10 | 22 21 | 17 7  | 4 19 | 16 9  | 0 37 | 21 56 | 1 4  | 15 5  | 1 10 | 7 14 | 1 10 | 21 6  | 0 11 | 6 36 | 0 48 | 18 21 | 0 1  |
| F 11 | 22 13 | 15 5  | 3 36 | 15 42 | 0 49 | 22 4  | 1 1  | 15 18 | 1 9  | 7 10 | 1 10 | 21 7  | 0 11 | 6 36 | 0 48 | 18 21 | 0 1  |
| S 12 | 22 6  | 12 12 | 2 41 | 15 16 | 1 2  | 22 12 | 0 59 | 15 30 | 1 9  | 7 6  | 1 10 | 21 8  | 0 11 | 6 36 | 0 48 | 18 20 | 0 1  |
| S 13 | 21 57 | 8 38  | 1 36 | 14 50 | 1 15 | 22 19 | 0 56 | 15 43 | 1 8  | 7 3  | 1 10 | 21 9  | 0 11 | 6 37 | 0 48 | 18 20 | 0 1  |
| M14  | 21 49 | 4 34  | 0 24 | 14 26 | 1 28 | 22 25 | 0 53 | 15 55 | 1 8  | 6 59 | 1 10 | 21 10 | 0 11 | 6 37 | 0 48 | 18 19 | 0 1  |
| T 15 | 21 40 | 0 13  | 0n50 | 14 2  | 1 41 | 22 31 | 0 51 | 16 8  | 1 7  | 6 55 | 1 10 | 21 11 | 0 11 | 6 38 | 0 48 | 18 19 | 0 1  |
| W16  | 21 30 | 4s12  | 2 3  | 13 39 | 1 55 | 22 36 | 0 48 | 16 20 | 1 6  | 6 51 | 1 9  | 21 12 | 0 11 | 6 38 | 0 48 | 18 18 | 0 1  |
| T 17 | 21 20 | 8 24  | 3 7  | 13 17 | 2 9  | 22 41 | 0 45 | 16 31 | 1 6  | 6 47 | 1 9  | 21 13 | 0 12 | 6 39 | 0 48 | 18 18 | 0 1  |
| F 18 | 21 10 | 12 9  | 4 1  | 12 56 | 2 22 | 22 45 | 0 43 | 16 43 | 1 5  | 6 43 | 1 9  | 21 14 | 0 12 | 6 39 | 0 48 | 18 17 | 0 1  |
| S 19 | 21 0  | 15 12 | 4 40 | 12 37 | 2 36 | 22 48 | 0 40 | 16 55 | 1 4  | 6 39 | 1 9  | 21 15 | 0 12 | 6 40 | 0 48 | 18 16 | 0 1  |
| S 20 | 20 49 | 17 19 | 5 2  | 12 19 | 2 50 | 22 51 | 0 37 | 17 6  | 1 4  | 6 34 | 1 9  | 21 16 | 0 12 | 6 40 | 0 48 | 18 16 | 0 1  |
| M21  | 20 38 | 18 21 | 5 5  | 12 2  | 3 3  | 22 53 | 0 35 | 17 17 | 1 3  | 6 30 | 1 9  | 21 16 | 0 12 | 6 41 | 0 48 | 18 15 | 0 1  |
| T 22 | 20 26 | 18 13 | 4 49 | 11 48 | 3 16 | 22 54 | 0 32 | 17 28 | 1 3  | 6 26 | 1 9  | 21 17 | 0 12 | 6 42 | 0 48 | 18 15 | 0 1  |
| W23  | 20 14 | 17 0  | 4 16 | 11 35 | 3 29 | 22 55 | 0 29 | 17 39 | 1 2  | 6 22 | 1 9  | 21 18 | 0 12 | 6 42 | 0 48 | 18 14 | 0 1  |
| T 24 | 20 2  | 14 49 | 3 29 | 11 24 | 3 42 | 22 55 | 0 26 | 17 50 | 1 1  | 6 18 | 1 9  | 21 19 | 0 12 | 6 43 | 0 48 | 18 14 | 0 1  |
| F 25 | 19 50 | 11 53 | 2 32 | 11 16 | 3 54 | 22 54 | 0 24 | 18 1  | 1 1  | 6 13 | 1 9  | 21 20 | 0 12 | 6 43 | 0 48 | 18 13 | 0 1  |
| S 26 | 19 37 | 8 26  | 1 28 | 11 9  | 4 5  | 22 53 | 0 21 | 18 11 | 1 0  | 6 9  | 1 8  | 21 21 | 0 12 | 6 44 | 0 48 | 18 13 | 0 1  |
| S 27 | 19 24 | 4 42  | 0 21 | 11 5  | 4 15 | 22 51 | 0 18 | 18 21 | 0 59 | 6 5  | 1 8  | 21 22 | 0 12 | 6 45 | 0 48 | 18 12 | 0 1  |
| M28  | 19 10 | 0 50  | 0s46 | 11 3  | 4 25 | 22 48 | 0 16 | 18 31 | 0 58 | 6 0  | 1 8  | 21 23 | 0 12 | 6 45 | 0 48 | 18 11 | 0 1  |
| T 29 | 18 56 | 2n59  | 1 49 | 11 4  | 4 33 | 22 45 | 0 13 | 18 41 | 0 58 | 5 56 | 1 8  | 21 24 | 0 13 | 6 46 | 0 48 | 18 11 | 0 1  |
| W30  | 18 42 | 6 38  | 2 47 | 11 7  | 4 40 | 22 41 | 0 10 | 18 51 | 0 57 | 5 51 | 1 8  | 21 24 | 0 13 | 6 47 | 0 48 | 18 10 | 0 1  |
| T 31 | 18n28 | 9n59  | 3s37 | 11n12 | 4s46 | 22n37 | 0s 7 | 19n 0 | 0s56 | 5n47 | 1n 8 | 21s25 | 0s13 | 6s47 | 0s48 | 18n10 | 0s 1 |

Julian Day Number = 2362241.5, Delta T = 17.59 sec  
 Ecliptic obliquity = 23°28'06, Nutation = - 0°00'01, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 21°19'36, Lahiri = 20°26'37Greg. Calendar



ASTRODIENST EPHEMERIS for the year 1755  
geocentric

AUGUST 1755

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♊      | ♋     | ♌     | ♍     | ♎      | ♏      | ♐    | ♑      | ♒      | ♓     | ♈     | ♉     | Day  |
|------|----------|----------|-------|--------|-------|-------|-------|--------|--------|------|--------|--------|-------|-------|-------|------|
| F 1  | 20 37 2  | 8♌1747   | 17♋25 | 16°R21 | 15♊13 | 29♌28 | 18♎12 | 24°R38 | 14°R38 | 8♏28 | 13°R40 | 21°R14 | 22♎22 | 7♋54  | 4°R13 | F 1  |
| S 2  | 20 40 59 | 9°15'15  | 29°22 | 15♌38  | 16°26 | 0♐8   | 18°24 | 24♋33  | 14♎36  | 8°30 | 13♎39  | 21♎12  | 22°19 | 8°1   | 4♋10  | S 2  |
| S 3  | 20 44 55 | 10°12'44 | 11♐28 | 14°53  | 17°39 | 0°48  | 18°35 | 24°29  | 14°35  | 8°32 | 13°38  | 21°8   | 22°16 | 8°8   | 4°7   | S 3  |
| M 4  | 20 48 52 | 11°10'14 | 23°48 | 14°6   | 18°52 | 1°27  | 18°46 | 24°25  | 14°33  | 8°34 | 13°38  | 21°3   | 22°13 | 8°14  | 4°4   | M 4  |
| T 5  | 20 52 48 | 12°7'46  | 6♊24  | 13°18  | 20°5  | 2°6   | 18°58 | 24°21  | 14°31  | 8°37 | 13°37  | 20°57  | 22°10 | 8°21  | 4°2   | T 5  |
| W 6  | 20 56 45 | 13°5'19  | 19°19 | 12°31  | 21°18 | 2°46  | 19°9  | 24°17  | 14°29  | 8°39 | 13°36  | 20°51  | 22°6  | 8°28  | 3°59  | W 6  |
| T 7  | 21 0 41  | 14°2'53  | 2♏32  | 11°44  | 22°31 | 3°25  | 19°21 | 24°13  | 14°27  | 8°41 | 13°36  | 20°45  | 22°3  | 8°34  | 3°57  | T 7  |
| F 8  | 21 4 38  | 15°0'28  | 16°2  | 11°0   | 23°44 | 4°4   | 19°33 | 24°9   | 14°25  | 8°43 | 13°35  | 20°40  | 22°0  | 8°41  | 3°54  | F 8  |
| S 9  | 21 8 34  | 15°58'04 | 29°47 | 10°18  | 24°57 | 4°42  | 19°44 | 24°5   | 14°23  | 8°45 | 13°35  | 20°36  | 21°57 | 8°48  | 3°52  | S 9  |
| S 10 | 21 12 31 | 16°55'42 | 13♎45 | 9°41   | 26°10 | 5°21  | 19°56 | 24°1   | 14°21  | 8°48 | 13°34  | 20°D35 | 21°54 | 8°54  | 3°49  | S 10 |
| M 11 | 21 16 28 | 17°53'20 | 27°52 | 9°7    | 27°23 | 6°0   | 20°8  | 23°57  | 14°19  | 8°50 | 13°34  | 20°35  | 21°51 | 9°1   | 3°47  | M 11 |
| T 12 | 21 20 24 | 18°50'59 | 12♊4  | 8°39   | 28°37 | 6°38  | 20°20 | 23°53  | 14°17  | 8°52 | 13°33  | 20°36  | 21°47 | 9°8   | 3°45  | T 12 |
| W 13 | 21 24 21 | 19°48'40 | 26°18 | 8°17   | 29°50 | 7°16  | 20°32 | 23°49  | 14°15  | 8°54 | 13°33  | 20°37  | 21°44 | 9°15  | 3°43  | W 13 |
| T 14 | 21 28 17 | 20°46'21 | 10♎32 | 8°1    | 1♌3   | 7°54  | 20°44 | 23°46  | 14°13  | 8°56 | 13°33  | 20°39  | 21°41 | 9°21  | 3°41  | T 14 |
| F 15 | 21 32 14 | 21°44'04 | 24°44 | 7°52   | 2°17  | 8°32  | 20°56 | 23°42  | 14°10  | 8°59 | 13°32  | 20°R39 | 21°38 | 9°28  | 3°39  | F 15 |
| S 16 | 21 36 10 | 22°41'48 | 8♎52  | 7°D50  | 3°30  | 9°10  | 21°8  | 23°38  | 14°8   | 9°1  | 13°32  | 20°38  | 21°35 | 9°35  | 3°37  | S 16 |
| S 17 | 21 40 7  | 23°39'33 | 22°53 | 7°56   | 4°44  | 9°48  | 21°20 | 23°35  | 14°6   | 9°3  | 13°32  | 20°36  | 21°31 | 9°41  | 3°35  | S 17 |
| M 18 | 21 44 3  | 24°37'18 | 6♋46  | 8°9    | 5°57  | 10°26 | 21°32 | 23°31  | 14°4   | 9°5  | 13°31  | 20°33  | 21°28 | 9°48  | 3°34  | M 18 |
| T 19 | 21 48 0  | 25°35'06 | 20°28 | 8°30   | 7°11  | 11°3  | 21°44 | 23°28  | 14°2   | 9°7  | 13°31  | 20°29  | 21°25 | 9°55  | 3°32  | T 19 |
| W 20 | 21 51 57 | 26°32'54 | 3♎58  | 8°58   | 8°24  | 11°40 | 21°57 | 23°25  | 13°59  | 9°9  | 13°31  | 20°26  | 21°22 | 10°1  | 3°30  | W 20 |
| T 21 | 21 55 53 | 27°30'44 | 17°13 | 9°34   | 9°38  | 12°17 | 22°9  | 23°21  | 13°57  | 9°12 | 13°31  | 20°22  | 21°19 | 10°8  | 3°29  | T 21 |
| F 22 | 21 59 50 | 28°28'35 | 0♎12  | 10°18  | 10°52 | 12°54 | 22°21 | 23°18  | 13°55  | 9°14 | 13°31  | 20°20  | 21°16 | 10°15 | 3°27  | F 22 |
| S 23 | 22 3 46  | 29°26'27 | 12°56 | 11°9   | 12°5  | 13°31 | 22°34 | 23°15  | 13°53  | 9°16 | 13°31  | 20°19  | 21°12 | 10°21 | 3°26  | S 23 |
| S 24 | 22 7 43  | 0♎24'21  | 25°25 | 12°7   | 13°19 | 14°8  | 22°46 | 23°12  | 13°50  | 9°18 | 13°31  | 20°D19 | 21°9  | 10°28 | 3°25  | S 24 |
| M 25 | 22 11 39 | 1°22'17  | 7♎39  | 13°12  | 14°33 | 14°44 | 22°59 | 23°9   | 13°48  | 9°20 | 13°D31 | 20°20  | 21°6  | 10°35 | 3°24  | M 25 |
| T 26 | 22 15 36 | 2°20'15  | 19°43 | 14°24  | 15°47 | 15°20 | 23°11 | 23°6   | 13°46  | 9°22 | 13°31  | 20°21  | 21°3  | 10°41 | 3°22  | T 26 |
| W 27 | 22 19 32 | 3°18'14  | 1♋38  | 15°41  | 17°0  | 15°57 | 23°24 | 23°3   | 13°43  | 9°24 | 13°31  | 20°23  | 21°0  | 10°48 | 3°21  | W 27 |
| T 28 | 22 23 29 | 4°16'15  | 13°29 | 17°4   | 18°14 | 16°33 | 23°36 | 23°0   | 13°41  | 9°26 | 13°31  | 20°24  | 20°56 | 10°55 | 3°20  | T 28 |
| F 29 | 22 27 25 | 5°14'18  | 25°21 | 18°32  | 19°28 | 17°8  | 23°49 | 22°58  | 13°39  | 9°28 | 13°31  | 20°25  | 20°53 | 11°2  | 3°20  | F 29 |
| S 30 | 22 31 22 | 6°12'23  | 7♐17  | 20°5   | 20°42 | 17°44 | 24°1  | 22°55  | 13°36  | 9°30 | 13°31  | 20°R25 | 20°50 | 11°8  | 3°19  | S 30 |
| S 31 | 22 35 19 | 7♎10'31  | 19♐24 | 21♌43  | 21♌56 | 18♐19 | 24♎14 | 22♋52  | 13♎34  | 9♌32 | 13♎31  | 20♎25  | 20♎47 | 11♋15 | 3♋18  | S 31 |

| Day  | ☉     | ☾     |      | ♊     |      | ♋     |      | ♌     |      | ♍    |      | ♎     |      | ♏    |      | ♐     |      | ♑     |      | ♒    |      | ♓     |       | ♈    |     |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|-------|-------|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat   | decl | lat |
| F 1  | 18n13 | 12n55 | 4s18 | 11n20 | 4s50 | 22n31 | 0s 5 | 19n10 | 0s55 | 5n43 | 1n 8 | 21s26 | 0s13 | 6s48 | 0s48 | 18n 9 | 0s 1 | 13s 7 | 9n25 | 3n29 | 3n 2 | 10n41 | 16s19 | 7n 5 |     |
| S 2  | 17 58 | 15 21 | 4 48 | 11 30 | 4 53 | 22 25 | 0 2  | 19 19 | 0 55 | 5 38 | 1 8  | 21 27 | 0 13 | 6 49 | 0 48 | 18 9  | 0 1  | 13 7  | 9 25 | 3 29 | 3 3  | 10 42 | 16 19 | 7 5  |     |
| S 3  | 17 42 | 17 8  | 5 6  | 11 42 | 4 54 | 22 19 | 0n 1 | 19 28 | 0 54 | 5 34 | 1 8  | 21 28 | 0 13 | 6 49 | 0 48 | 18 8  | 0 1  | 13 8  | 9 24 | 3 31 | 3 4  | 10 44 | 16 20 | 7 5  |     |
| M 4  | 17 27 | 18 10 | 5 10 | 11 56 | 4 53 | 22 12 | 0 3  | 19 37 | 0 53 | 5 29 | 1 8  | 21 29 | 0 13 | 6 50 | 0 48 | 18 7  | 0 1  | 13 8  | 9 24 | 3 33 | 3 6  | 10 45 | 16 20 | 7 4  |     |
| T 5  | 17 11 | 18 20 | 4 59 | 12 12 | 4 50 | 22 4  | 0 6  | 19 45 | 0 52 | 5 24 | 1 7  | 21 29 | 0 13 | 6 51 | 0 48 | 18 7  | 0 1  | 13 8  | 9 23 | 3 35 | 3 7  | 10 47 | 16 20 | 7 4  |     |
| W 6  | 16 54 | 17 34 | 4 33 | 12 30 | 4 46 | 21 55 | 0 9  | 19 54 | 0 51 | 5 20 | 1 7  | 21 30 | 0 13 | 6 52 | 0 48 | 18 6  | 0 1  | 13 9  | 9 23 | 3 38 | 3 8  | 10 49 | 16 21 | 7 4  |     |
| T 7  | 16 38 | 15 51 | 3 52 | 12 49 | 4 39 | 21 46 | 0 11 | 20 2  | 0 51 | 5 15 | 1 7  | 21 31 | 0 13 | 6 52 | 0 48 | 18 6  | 0 1  | 13 9  | 9 23 | 3 40 | 3 9  | 10 50 | 16 21 | 7 3  |     |
| F 8  | 16 21 | 13 14 | 2 57 | 13 9  | 4 31 | 21 37 | 0 14 | 20 10 | 0 50 | 5 10 | 1 7  | 21 32 | 0 13 | 6 53 | 0 48 | 18 5  | 0 1  | 13 9  | 9 22 | 3 42 | 3 11 | 10 52 | 16 22 | 7 3  |     |
| S 9  | 16 4  | 9 49  | 1 51 | 13 29 | 4 21 | 21 26 | 0 16 | 20 18 | 0 49 | 5 6  | 1 7  | 21 33 | 0 13 | 6 54 | 0 49 | 18 5  | 0 1  | 13 9  | 9 22 | 3 44 | 3 12 | 10 53 | 16 22 | 7 3  |     |
| S 10 | 15 47 | 5 49  | 0 37 | 13 50 | 4 10 | 21 15 | 0 19 | 20 26 | 0 48 | 5 1  | 1 7  | 21 33 | 0 14 | 6 55 | 0 49 | 18 4  | 0 1  | 13 10 | 9 22 | 3 44 | 3 13 | 10 55 | 16 23 | 7 2  |     |
| M11  | 15 29 | 1 28  | 0n40 | 14 11 | 3 57 | 21 4  | 0 22 | 20 34 | 0 47 | 4 56 | 1 7  | 21 34 | 0 14 | 6 56 | 0 49 | 18 3  | 0 1  | 13 10 | 9 21 | 3 44 | 3 14 | 10 56 | 16 23 | 7 2  |     |
| T 12 | 15 12 | 3s 1  | 1 55 | 14 32 | 3 43 | 20 51 | 0 24 | 20 41 | 0 46 | 4 52 | 1 7  | 21 35 | 0 14 | 6 56 | 0 49 | 18 3  | 0 1  | 13 10 | 9 21 | 3 44 | 3 16 | 10 58 | 16 24 | 7 2  |     |
| W13  | 14 54 | 7 19  | 3 3  | 14 52 | 3 28 | 20 39 | 0 26 | 20 48 | 0 45 | 4 47 | 1 7  | 21 35 | 0 14 | 6 57 | 0 49 | 18 2  | 0 1  | 13 11 | 9 20 | 3 43 | 3 17 | 10 59 | 16 24 | 7 1  |     |
| T 14 | 14 35 | 11 12 | 4 0  | 15 12 | 3 11 | 20 25 | 0 29 | 20 55 | 0 45 | 4 42 | 1 7  | 21 36 | 0 14 | 6 58 | 0 49 | 18 2  | 0 1  | 13 11 | 9 20 | 3 43 | 3 18 | 11 1  | 16 24 | 7 1  |     |
| F 15 | 14 17 | 14 25 | 4 42 | 15 30 | 2 55 | 20 11 | 0 31 | 21 2  | 0 44 | 4 37 | 1 7  | 21 37 | 0 14 | 6 59 | 0 49 | 18 1  | 0 1  | 13 11 | 9 20 | 3 43 | 3 19 | 11 2  | 16 25 | 7 0  |     |
| S 16 | 13 58 | 16 45 | 5 7  | 15 48 | 2 38 | 19 56 | 0 34 | 21 9  | 0 43 | 4 32 | 1 7  | 21 38 | 0 14 | 7 0  | 0 49 | 18 1  | 0 1  | 13 12 | 9 19 | 3 43 | 3 21 | 11 4  | 16 25 | 7 0  |     |
| S 17 | 13 39 | 18 4  | 5 13 | 16 3  | 2 20 | 19 41 | 0 36 | 21 16 | 0 42 | 4 28 | 1 7  | 21 38 | 0 14 | 7 1  | 0 49 | 18 0  | 0 1  | 13 12 | 9 19 | 3 44 | 3 22 | 11 5  | 16 26 | 7 0  |     |
| M18  | 13 20 | 18 17 | 5 1  | 16 17 | 2 2  | 19 25 | 0 38 | 21 22 | 0 41 | 4 23 | 1 7  | 21 39 | 0 14 | 7 2  | 0 49 | 17 59 | 0 1  | 13 13 | 9 19 | 3 45 | 3 23 | 11 7  | 16 26 | 6 59 |     |
| T 19 | 13 0  | 17 25 | 4 32 | 16 29 | 1 44 | 19 9  | 0 41 | 21 28 | 0 40 | 4 18 | 1 7  | 21 40 | 0 14 | 7 2  | 0 49 | 17 59 | 0 1  | 13 13 | 9 18 | 3 46 | 3 24 | 11 8  | 16 27 | 6 59 |     |
| W20  | 12 41 | 15 36 | 3 48 | 16 38 | 1 27 | 18 52 | 0 43 | 21 34 | 0 39 | 4 13 | 1 7  | 21 40 | 0 14 | 7 3  | 0 49 | 17 58 | 0 1  | 13 13 | 9 18 | 3 48 | 3 26 | 11 10 | 16 27 | 6 58 |     |
| T 21 | 12 21 | 12 57 | 2 52 | 16 46 | 1 10 | 18 35 | 0 45 | 21 40 | 0 38 | 4 8  | 1 6  | 21 41 | 0 14 | 7 4  | 0 49 | 17 58 | 0 1  | 13 14 | 9 17 | 3 49 | 3 27 | 11 11 | 16 28 | 6 58 |     |
| F 22 | 12 1  | 9 43  | 1 49 | 16 50 | 0 53 | 18 17 | 0 47 | 21 46 | 0 37 | 4 3  | 1 6  | 21 42 | 0 14 | 7 5  | 0 49 | 17 57 | 0 1  | 13 14 | 9 17 | 3 50 | 3 28 | 11 13 | 16 28 | 6 57 |     |
| S 23 | 11 41 | 6 5   | 0 41 | 16 52 | 0 36 | 17 59 | 0 49 | 21 51 | 0 36 | 3 58 | 1 6  | 21 42 | 0 15 | 7 6  | 0 49 | 17 57 | 0 1  | 13 14 | 9 17 | 3 50 | 3 29 | 11 15 | 16 29 | 6 57 |     |
| S 24 | 11 21 | 2 15  | 0s28 | 16 51 | 0 20 | 17 40 | 0 51 | 21 57 | 0 35 | 3 53 | 1 6  | 21 43 | 0 15 | 7 7  | 0 49 | 17 56 | 0 1  | 13 15 | 9 16 | 3 50 | 3 31 | 11 16 | 16 29 | 6 56 |     |
| M25  | 11 0  | 1n36  | 1 34 | 16 47 | 0 5  | 17 20 | 0 53 | 22 2  | 0 34 | 3 48 | 1 6  | 21 43 | 0 15 | 7 8  | 0 49 | 17 56 | 0 1  | 13 15 | 9 16 | 3 50 | 3 32 | 11 18 | 16 30 | 6 56 |     |
| T 26 | 10 39 | 5 19  | 2 35 | 16 41 | 0n 9 | 17 0  | 0 55 | 22 7  | 0 33 | 3 43 | 1 6  | 21 44 | 0 15 | 7 9  | 0 49 | 17 55 | 0 1  | 13 16 | 9 15 | 3 50 | 3 33 | 11 19 | 16 30 | 6 56 |     |
| W27  | 10 18 | 8 47  | 3 29 | 16 31 | 0 22 | 16 40 | 0 57 | 22 12 | 0 32 | 3 38 | 1 6  | 21 44 | 0 15 | 7 10 | 0 49 | 17 55 | 0 1  | 13 16 | 9 15 | 3 49 | 3 34 | 11 21 | 16 31 | 6 55 |     |
| T 28 | 9 57  | 11 53 | 4 13 | 16 18 | 0 35 | 16 19 | 0 59 | 22 17 | 0 31 | 3 33 | 1 6  | 21 45 | 0 15 | 7 10 | 0 49 | 17 54 | 0 1  | 13 16 | 9 15 | 3 49 | 3 36 | 11 22 | 16 31 | 6 55 |     |
| F 29 | 9 36  | 14 29 | 4 47 | 16 2  | 0 47 | 15 57 | 1 0  | 22 21 | 0 30 | 3 28 | 1 6  | 21 45 | 0 15 | 7 11 | 0 49 | 17 53 | 0 1  | 13 17 | 9 14 | 3 48 | 3 37 | 11 24 | 16 32 | 6 54 |     |
| S 30 | 9 15  | 16 29 | 5 8  | 15 42 | 0 57 | 15 35 | 1 2  | 22 26 | 0 29 | 3 23 | 1 6  | 21 46 | 0 15 | 7 12 | 0 49 | 17 53 | 0 1  | 13 17 | 9 14 | 3 48 | 3 38 | 11 25 | 16 32 | 6 54 |     |
| S 31 | 8n53  | 17n47 | 5s17 | 15n20 | 1n 7 | 15n13 | 1n 4 | 22n30 | 0s27 | 3n18 | 1n 6 | 21s46 | 0s15 | 7s13 | 0s49 | 17n52 | 0s 1 | 13s18 | 9n13 | 3n48 | 3n39 | 11n27 | 16s33 | 6n53 |     |

Julian Day Number = 2362272.5, Delta T = 17.62 sec  
Ecliptic obliquity = 23°28'07, Nutation = - 0°00'01, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 21°19'41, Lahiri = 20°26'41Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1755  
geocentric

SEPTEMBER 1755

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                  | ♂                  | ♀                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                  | ♂                 | Day  |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|------|
| M 1  | 22 39 15 | 8 <sup>h</sup> 8'40   | 1 <sup>h</sup> 44  | 23 <sup>h</sup> 23 | 23 <sup>h</sup> 10 | 18 <sup>h</sup> 55 | 24 <sup>h</sup> 27 | 22 <sup>h</sup> 50 | 13 <sup>h</sup> 31 | 9 <sup>h</sup> 23  | 13 <sup>h</sup> 31 | 20 <sup>h</sup> 24 | 20 <sup>h</sup> 44 | 11 <sup>h</sup> 22 | 3 <sup>h</sup> 17 | M 1  |
| T 2  | 22 43 12 | 9 <sup>h</sup> 6'51   | 14 <sup>h</sup> 22 | 25 <sup>h</sup> 7  | 24 <sup>h</sup> 24 | 19 <sup>h</sup> 30 | 24 <sup>h</sup> 39 | 22 <sup>h</sup> 48 | 13 <sup>h</sup> 29 | 9 <sup>h</sup> 36  | 13 <sup>h</sup> 32 | 20 <sup>h</sup> 23 | 20 <sup>h</sup> 41 | 11 <sup>h</sup> 28 | 3 <sup>h</sup> 17 | T 2  |
| W 3  | 22 47 8  | 10 <sup>h</sup> 5'04  | 27 <sup>h</sup> 21 | 26 <sup>h</sup> 54 | 25 <sup>h</sup> 39 | 20 <sup>h</sup> 5  | 24 <sup>h</sup> 52 | 22 <sup>h</sup> 45 | 13 <sup>h</sup> 27 | 9 <sup>h</sup> 38  | 13 <sup>h</sup> 32 | 20 <sup>h</sup> 21 | 20 <sup>h</sup> 37 | 11 <sup>h</sup> 35 | 3 <sup>h</sup> 16 | W 3  |
| T 4  | 22 51 5  | 11 <sup>h</sup> 3'18  | 10 <sup>h</sup> 43 | 28 <sup>h</sup> 43 | 26 <sup>h</sup> 53 | 20 <sup>h</sup> 39 | 25 <sup>h</sup> 5  | 22 <sup>h</sup> 43 | 13 <sup>h</sup> 24 | 9 <sup>h</sup> 40  | 13 <sup>h</sup> 32 | 20 <sup>h</sup> 20 | 20 <sup>h</sup> 34 | 11 <sup>h</sup> 42 | 3 <sup>h</sup> 16 | T 4  |
| F 5  | 22 55 1  | 12 <sup>h</sup> 1'35  | 24 <sup>h</sup> 27 | 0 <sup>h</sup> 34  | 28 <sup>h</sup> 7  | 21 <sup>h</sup> 14 | 25 <sup>h</sup> 17 | 22 <sup>h</sup> 41 | 13 <sup>h</sup> 22 | 9 <sup>h</sup> 42  | 13 <sup>h</sup> 33 | 20 <sup>h</sup> 19 | 20 <sup>h</sup> 31 | 11 <sup>h</sup> 48 | 3 <sup>h</sup> 16 | F 5  |
| S 6  | 22 58 58 | 12 <sup>h</sup> 59'54 | 8 <sup>h</sup> 32  | 2 <sup>h</sup> 26  | 29 <sup>h</sup> 21 | 21 <sup>h</sup> 48 | 25 <sup>h</sup> 30 | 22 <sup>h</sup> 39 | 13 <sup>h</sup> 19 | 9 <sup>h</sup> 44  | 13 <sup>h</sup> 33 | 20 <sup>h</sup> 18 | 20 <sup>h</sup> 28 | 11 <sup>h</sup> 55 | 3 <sup>h</sup> 15 | S 6  |
| S 7  | 23 2 54  | 13 <sup>h</sup> 58'14 | 22 <sup>h</sup> 54 | 4 <sup>h</sup> 19  | 0 <sup>h</sup> 35  | 22 <sup>h</sup> 22 | 25 <sup>h</sup> 43 | 22 <sup>h</sup> 37 | 13 <sup>h</sup> 17 | 9 <sup>h</sup> 46  | 13 <sup>h</sup> 33 | 20 <sup>h</sup> 18 | 20 <sup>h</sup> 25 | 12 <sup>h</sup> 2  | 3 <sup>h</sup> 15 | S 7  |
| M 8  | 23 6 51  | 14 <sup>h</sup> 56'37 | 7 <sup>h</sup> 27  | 6 <sup>h</sup> 13  | 1 <sup>h</sup> 50  | 22 <sup>h</sup> 56 | 25 <sup>h</sup> 56 | 22 <sup>h</sup> 35 | 13 <sup>h</sup> 15 | 9 <sup>h</sup> 48  | 13 <sup>h</sup> 34 | 20 <sup>h</sup> 18 | 20 <sup>h</sup> 22 | 12 <sup>h</sup> 8  | 3 <sup>h</sup> 15 | M 8  |
| T 9  | 23 10 48 | 15 <sup>h</sup> 55'01 | 22 <sup>h</sup> 6  | 8 <sup>h</sup> 7   | 3 <sup>h</sup> 4   | 23 <sup>h</sup> 30 | 26 <sup>h</sup> 9  | 22 <sup>h</sup> 33 | 13 <sup>h</sup> 12 | 9 <sup>h</sup> 50  | 13 <sup>h</sup> 34 | 20 <sup>h</sup> 19 | 20 <sup>h</sup> 18 | 12 <sup>h</sup> 15 | 3 <sup>h</sup> 15 | T 9  |
| W10  | 23 14 44 | 16 <sup>h</sup> 53'26 | 6 <sup>h</sup> 44  | 10 <sup>h</sup> 1  | 4 <sup>h</sup> 18  | 24 <sup>h</sup> 3  | 26 <sup>h</sup> 22 | 22 <sup>h</sup> 32 | 13 <sup>h</sup> 10 | 9 <sup>h</sup> 52  | 13 <sup>h</sup> 35 | 20 <sup>h</sup> 19 | 20 <sup>h</sup> 15 | 12 <sup>h</sup> 22 | 3 <sup>h</sup> 15 | W10  |
| T 11 | 23 18 41 | 17 <sup>h</sup> 51'54 | 21 <sup>h</sup> 16 | 11 <sup>h</sup> 56 | 5 <sup>h</sup> 33  | 24 <sup>h</sup> 37 | 26 <sup>h</sup> 34 | 22 <sup>h</sup> 30 | 13 <sup>h</sup> 7  | 9 <sup>h</sup> 54  | 13 <sup>h</sup> 35 | 20 <sup>h</sup> 19 | 20 <sup>h</sup> 12 | 12 <sup>h</sup> 29 | 3 <sup>h</sup> 15 | T 11 |
| F 12 | 23 22 37 | 18 <sup>h</sup> 50'23 | 5 <sup>h</sup> 37  | 13 <sup>h</sup> 49 | 6 <sup>h</sup> 47  | 25 <sup>h</sup> 10 | 26 <sup>h</sup> 47 | 22 <sup>h</sup> 28 | 13 <sup>h</sup> 5  | 9 <sup>h</sup> 56  | 13 <sup>h</sup> 36 | 20 <sup>h</sup> 20 | 20 <sup>h</sup> 9  | 12 <sup>h</sup> 35 | 3 <sup>h</sup> 16 | F 12 |
| S 13 | 23 26 34 | 19 <sup>h</sup> 48'53 | 19 <sup>h</sup> 45 | 15 <sup>h</sup> 43 | 8 <sup>h</sup> 2   | 25 <sup>h</sup> 42 | 27 <sup>h</sup> 0  | 22 <sup>h</sup> 27 | 13 <sup>h</sup> 3  | 9 <sup>h</sup> 57  | 13 <sup>h</sup> 36 | 20 <sup>h</sup> 20 | 20 <sup>h</sup> 6  | 12 <sup>h</sup> 42 | 3 <sup>h</sup> 16 | S 13 |
| S 14 | 23 30 30 | 20 <sup>h</sup> 47'25 | 3 <sup>h</sup> 37  | 17 <sup>h</sup> 36 | 9 <sup>h</sup> 16  | 26 <sup>h</sup> 15 | 27 <sup>h</sup> 13 | 22 <sup>h</sup> 26 | 13 <sup>h</sup> 0  | 9 <sup>h</sup> 59  | 13 <sup>h</sup> 37 | 20 <sup>h</sup> 20 | 20 <sup>h</sup> 2  | 12 <sup>h</sup> 49 | 3 <sup>h</sup> 17 | S 14 |
| M15  | 23 34 27 | 21 <sup>h</sup> 45'59 | 17 <sup>h</sup> 13 | 19 <sup>h</sup> 28 | 10 <sup>h</sup> 31 | 26 <sup>h</sup> 47 | 27 <sup>h</sup> 26 | 22 <sup>h</sup> 24 | 12 <sup>h</sup> 58 | 10 <sup>h</sup> 1  | 13 <sup>h</sup> 38 | 20 <sup>h</sup> 20 | 19 <sup>h</sup> 59 | 12 <sup>h</sup> 55 | 3 <sup>h</sup> 17 | M15  |
| T 16 | 23 38 23 | 22 <sup>h</sup> 44'35 | 0 <sup>h</sup> 34  | 21 <sup>h</sup> 19 | 11 <sup>h</sup> 45 | 27 <sup>h</sup> 19 | 27 <sup>h</sup> 39 | 22 <sup>h</sup> 23 | 12 <sup>h</sup> 56 | 10 <sup>h</sup> 3  | 13 <sup>h</sup> 38 | 20 <sup>h</sup> 20 | 19 <sup>h</sup> 56 | 13 <sup>h</sup> 2  | 3 <sup>h</sup> 18 | T 16 |
| W17  | 23 42 20 | 23 <sup>h</sup> 43'12 | 13 <sup>h</sup> 40 | 23 <sup>h</sup> 10 | 13 <sup>h</sup> 0  | 27 <sup>h</sup> 51 | 27 <sup>h</sup> 52 | 22 <sup>h</sup> 22 | 12 <sup>h</sup> 53 | 10 <sup>h</sup> 4  | 13 <sup>h</sup> 39 | 20 <sup>h</sup> 20 | 19 <sup>h</sup> 53 | 13 <sup>h</sup> 9  | 3 <sup>h</sup> 18 | W17  |
| T 18 | 23 46 17 | 24 <sup>h</sup> 41'50 | 26 <sup>h</sup> 31 | 25 <sup>h</sup> 0  | 14 <sup>h</sup> 14 | 28 <sup>h</sup> 23 | 28 <sup>h</sup> 5  | 22 <sup>h</sup> 21 | 12 <sup>h</sup> 51 | 10 <sup>h</sup> 6  | 13 <sup>h</sup> 40 | 20 <sup>h</sup> 21 | 19 <sup>h</sup> 50 | 13 <sup>h</sup> 15 | 3 <sup>h</sup> 19 | T 18 |
| F 19 | 23 50 13 | 25 <sup>h</sup> 40'31 | 9 <sup>h</sup> 10  | 26 <sup>h</sup> 49 | 15 <sup>h</sup> 29 | 28 <sup>h</sup> 54 | 28 <sup>h</sup> 18 | 22 <sup>h</sup> 21 | 12 <sup>h</sup> 49 | 10 <sup>h</sup> 8  | 13 <sup>h</sup> 41 | 20 <sup>h</sup> 21 | 19 <sup>h</sup> 47 | 13 <sup>h</sup> 22 | 3 <sup>h</sup> 20 | F 19 |
| S 20 | 23 54 10 | 26 <sup>h</sup> 39'14 | 21 <sup>h</sup> 36 | 28 <sup>h</sup> 36 | 16 <sup>h</sup> 43 | 29 <sup>h</sup> 25 | 28 <sup>h</sup> 31 | 22 <sup>h</sup> 20 | 12 <sup>h</sup> 46 | 10 <sup>h</sup> 9  | 13 <sup>h</sup> 41 | 20 <sup>h</sup> 21 | 19 <sup>h</sup> 43 | 13 <sup>h</sup> 29 | 3 <sup>h</sup> 21 | S 20 |
| S 21 | 23 58 6  | 27 <sup>h</sup> 37'58 | 3 <sup>h</sup> 52  | 0 <sup>h</sup> 24  | 17 <sup>h</sup> 58 | 29 <sup>h</sup> 56 | 28 <sup>h</sup> 44 | 22 <sup>h</sup> 19 | 12 <sup>h</sup> 44 | 10 <sup>h</sup> 11 | 13 <sup>h</sup> 42 | 20 <sup>h</sup> 21 | 19 <sup>h</sup> 40 | 13 <sup>h</sup> 36 | 3 <sup>h</sup> 22 | S 21 |
| M22  | 0 2 3    | 28 <sup>h</sup> 36'45 | 15 <sup>h</sup> 58 | 2 <sup>h</sup> 10  | 19 <sup>h</sup> 13 | 0 <sup>h</sup> 27  | 28 <sup>h</sup> 57 | 22 <sup>h</sup> 19 | 12 <sup>h</sup> 42 | 10 <sup>h</sup> 13 | 13 <sup>h</sup> 43 | 20 <sup>h</sup> 20 | 19 <sup>h</sup> 37 | 13 <sup>h</sup> 42 | 3 <sup>h</sup> 23 | M22  |
| T 23 | 0 5 59   | 29 <sup>h</sup> 35'33 | 27 <sup>h</sup> 57 | 3 <sup>h</sup> 55  | 20 <sup>h</sup> 27 | 0 <sup>h</sup> 57  | 29 <sup>h</sup> 10 | 22 <sup>h</sup> 18 | 12 <sup>h</sup> 39 | 10 <sup>h</sup> 14 | 13 <sup>h</sup> 44 | 20 <sup>h</sup> 19 | 19 <sup>h</sup> 34 | 13 <sup>h</sup> 49 | 3 <sup>h</sup> 24 | T 23 |
| W24  | 0 9 56   | 0 <sup>h</sup> 34'24  | 9 <sup>h</sup> 50  | 5 <sup>h</sup> 39  | 21 <sup>h</sup> 42 | 1 <sup>h</sup> 27  | 29 <sup>h</sup> 23 | 22 <sup>h</sup> 18 | 12 <sup>h</sup> 37 | 10 <sup>h</sup> 16 | 13 <sup>h</sup> 45 | 20 <sup>h</sup> 18 | 19 <sup>h</sup> 31 | 13 <sup>h</sup> 56 | 3 <sup>h</sup> 26 | W24  |
| T 25 | 0 13 52  | 1 <sup>h</sup> 33'17  | 21 <sup>h</sup> 41 | 7 <sup>h</sup> 22  | 22 <sup>h</sup> 57 | 1 <sup>h</sup> 57  | 29 <sup>h</sup> 36 | 22 <sup>h</sup> 18 | 12 <sup>h</sup> 35 | 10 <sup>h</sup> 17 | 13 <sup>h</sup> 46 | 20 <sup>h</sup> 16 | 19 <sup>h</sup> 28 | 14 <sup>h</sup> 2  | 3 <sup>h</sup> 27 | T 25 |
| F 26 | 0 17 49  | 2 <sup>h</sup> 32'12  | 3 <sup>h</sup> 32  | 9 <sup>h</sup> 5   | 24 <sup>h</sup> 12 | 2 <sup>h</sup> 27  | 29 <sup>h</sup> 49 | 22 <sup>h</sup> 17 | 12 <sup>h</sup> 33 | 10 <sup>h</sup> 19 | 13 <sup>h</sup> 47 | 20 <sup>h</sup> 15 | 19 <sup>h</sup> 24 | 14 <sup>h</sup> 9  | 3 <sup>h</sup> 28 | F 26 |
| S 27 | 0 21 45  | 3 <sup>h</sup> 31'10  | 15 <sup>h</sup> 27 | 10 <sup>h</sup> 46 | 25 <sup>h</sup> 26 | 2 <sup>h</sup> 56  | 0 <sup>h</sup> 2   | 22 <sup>h</sup> 17 | 12 <sup>h</sup> 30 | 10 <sup>h</sup> 20 | 13 <sup>h</sup> 48 | 20 <sup>h</sup> 13 | 19 <sup>h</sup> 21 | 14 <sup>h</sup> 16 | 3 <sup>h</sup> 30 | S 27 |
| S 28 | 0 25 42  | 4 <sup>h</sup> 30'09  | 27 <sup>h</sup> 31 | 12 <sup>h</sup> 27 | 26 <sup>h</sup> 41 | 3 <sup>h</sup> 25  | 0 <sup>h</sup> 15  | 22 <sup>h</sup> 17 | 12 <sup>h</sup> 28 | 10 <sup>h</sup> 22 | 13 <sup>h</sup> 49 | 20 <sup>h</sup> 13 | 19 <sup>h</sup> 18 | 14 <sup>h</sup> 22 | 3 <sup>h</sup> 31 | S 28 |
| M29  | 0 29 39  | 5 <sup>h</sup> 29'11  | 9 <sup>h</sup> 48  | 14 <sup>h</sup> 6  | 27 <sup>h</sup> 56 | 3 <sup>h</sup> 54  | 0 <sup>h</sup> 28  | 22 <sup>h</sup> 18 | 12 <sup>h</sup> 26 | 10 <sup>h</sup> 23 | 13 <sup>h</sup> 50 | 20 <sup>h</sup> 12 | 19 <sup>h</sup> 15 | 14 <sup>h</sup> 29 | 3 <sup>h</sup> 33 | M29  |
| T 30 | 0 33 35  | 6 <sup>h</sup> 28'16  | 22 <sup>h</sup> 23 | 15 <sup>h</sup> 45 | 29 <sup>h</sup> 11 | 4 <sup>h</sup> 22  | 0 <sup>h</sup> 41  | 22 <sup>h</sup> 18 | 12 <sup>h</sup> 24 | 10 <sup>h</sup> 25 | 13 <sup>h</sup> 51 | 20 <sup>h</sup> 13 | 19 <sup>h</sup> 12 | 14 <sup>h</sup> 36 | 3 <sup>h</sup> 35 | T 30 |

| Day  | ☉    | ☾     |      | ♂     |      | ♀     |      | ♂     |      | ♂    |      | ♂     |      | ♂    |      | ♂     |      | ♂     |      | ♂    |      | ♂     |       | ♂    |     |
|------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|-------|-------|------|-----|
|      | decl | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat   | decl | lat |
| M 1  | 8n32 | 18n17 | 5s10 | 14n55 | 1n15 | 14n51 | 1n 6 | 22n34 | 0s26 | 3n13 | 1n 6 | 21s47 | 0s15 | 7s14 | 0s49 | 17n52 | 0s 1 | 13s18 | 9n13 | 3n49 | 3n41 | 11n28 | 16s33 | 6n53 |     |
| T 2  | 8 10 | 17 54 | 4 49 | 14 28 | 1 23 | 14 27 | 1 7  | 22 38 | 0 25 | 3 8  | 1 6  | 21 47 | 0 15 | 7 15 | 0 49 | 17 51 | 0 1  | 13 18 | 9 13 | 3 49 | 3 42 | 11 30 | 16 34 | 6 52 |     |
| W 3  | 7 48 | 16 34 | 4 13 | 13 57 | 1 29 | 14 4  | 1 9  | 22 42 | 0 24 | 3 3  | 1 6  | 21 48 | 0 15 | 7 16 | 0 49 | 17 51 | 0 1  | 13 19 | 9 12 | 3 50 | 3 43 | 11 31 | 16 34 | 6 52 |     |
| T 4  | 7 26 | 14 19 | 3 22 | 13 25 | 1 35 | 13 40 | 1 10 | 22 45 | 0 23 | 2 58 | 1 6  | 21 48 | 0 15 | 7 17 | 0 49 | 17 50 | 0 1  | 13 19 | 9 12 | 3 50 | 3 44 | 11 33 | 16 35 | 6 51 |     |
| F 5  | 7 4  | 11 12 | 2 19 | 12 50 | 1 39 | 13 16 | 1 11 | 22 49 | 0 22 | 2 53 | 1 6  | 21 49 | 0 15 | 7 18 | 0 49 | 17 50 | 0 1  | 13 20 | 9 11 | 3 50 | 3 46 | 11 34 | 16 35 | 6 51 |     |
| S 6  | 6 41 | 7 23  | 1 5  | 12 13 | 1 43 | 12 51 | 1 13 | 22 52 | 0 21 | 2 48 | 1 6  | 21 49 | 0 15 | 7 19 | 0 49 | 17 49 | 0 1  | 13 20 | 9 11 | 3 51 | 3 47 | 11 36 | 16 36 | 6 50 |     |
| S 7  | 6 19 | 3 3   | 0n14 | 11 34 | 1 45 | 12 26 | 1 14 | 22 56 | 0 19 | 2 43 | 1 6  | 21 49 | 0 16 | 7 20 | 0 49 | 17 49 | 0 1  | 13 21 | 9 11 | 3 51 | 3 48 | 11 37 | 16 36 | 6 50 |     |
| M 8  | 5 56 | 1s32  | 1 34 | 10 54 | 1 47 | 12 1  | 1 15 | 22 59 | 0 18 | 2 38 | 1 6  | 21 50 | 0 16 | 7 21 | 0 49 | 17 48 | 0 1  | 13 21 | 9 10 | 3 51 | 3 49 | 11 39 | 16 37 | 6 49 |     |
| T 9  | 5 34 | 6 2   | 2 48 | 10 13 | 1 48 | 11 35 | 1 16 | 23 2  | 0 17 | 2 33 | 1 6  | 21 50 | 0 16 | 7 22 | 0 49 | 17 48 | 0 1  | 13 22 | 9 10 | 3 51 | 3 51 | 11 40 | 16 37 | 6 49 |     |
| W10  | 5 11 | 10 9  | 3 50 | 9 30  | 1 49 | 11 9  | 1 18 | 23 4  | 0 16 | 2 27 | 1 6  | 21 51 | 0 16 | 7 22 | 0 49 | 17 47 | 0 1  | 13 22 | 9 9  | 3 50 | 3 52 | 11 42 | 16 38 | 6 48 |     |
| T 11 | 4 48 | 13 38 | 4 38 | 8 46  | 1 48 | 10 42 | 1 19 | 23 7  | 0 15 | 2 22 | 1 6  | 21 51 | 0 16 | 7 23 | 0 49 | 17 47 | 0 1  | 13 22 | 9 9  | 3 50 | 3 53 | 11 43 | 16 38 | 6 48 |     |
| F 12 | 4 25 | 16 14 | 5 7  | 8 1   | 1 47 | 10 16 | 1 20 | 23 10 | 0 13 | 2 17 | 1 6  | 21 51 | 0 16 | 7 24 | 0 49 | 17 46 | 0 1  | 13 23 | 9 9  | 3 50 | 3 54 | 11 45 | 16 39 | 6 47 |     |
| S 13 | 4 2  | 17 48 | 5 17 | 7 15  | 1 45 | 9 49  | 1 20 | 23 12 | 0 12 | 2 12 | 1 6  | 21 51 | 0 16 | 7 25 | 0 49 | 17 46 | 0 1  | 13 23 | 9 8  | 3 50 | 3 56 | 11 46 | 16 39 | 6 47 |     |
| S 14 | 3 39 | 18 16 | 5 9  | 6 29  | 1 43 | 9 22  | 1 21 | 23 14 | 0 11 | 2 7  | 1 6  | 21 52 | 0 16 | 7 26 | 0 49 | 17 45 | 0 1  | 13 24 | 9 8  | 3 50 | 3 57 | 11 47 | 16 40 | 6 46 |     |
| M15  | 3 16 | 17 40 | 4 43 | 5 43  | 1 40 | 8 54  | 1 22 | 23 16 | 0 9  | 2 2  | 1 6  | 21 52 | 0 16 | 7 27 | 0 49 | 17 45 | 0 1  | 13 24 | 9 7  | 3 50 | 3 58 | 11 49 | 16 40 | 6 46 |     |
| T 16 | 2 53 | 16 6  | 4 3  | 4 56  | 1 37 | 8 26  | 1 23 | 23 18 | 0 8  | 1 57 | 1 6  | 21 52 | 0 16 | 7 28 | 0 49 | 17 44 | 0 1  | 13 25 | 9 7  | 3 50 | 3 59 | 11 50 | 16 41 | 6 45 |     |
| W17  | 2 30 | 13 43 | 3 10 | 4 9   | 1 33 | 7 58  | 1 23 | 23 20 | 0 7  | 1 51 | 1 6  | 21 52 | 0 16 | 7 29 | 0 49 | 17 44 | 0 1  | 13 25 | 9 7  | 3 50 | 4 1  | 11 52 | 16 41 | 6 45 |     |
| T 18 | 2 7  | 10 41 | 2 8  | 3 21  | 1 29 | 7 30  | 1 24 | 23 22 | 0 5  | 1 46 | 1 6  | 21 53 | 0 16 | 7 30 | 0 49 | 17 44 | 0 1  | 13 26 | 9 6  | 3 50 | 4 2  | 11 53 | 16 42 | 6 44 |     |
| F 19 | 1 43 | 7 11  | 1 2  | 2 34  | 1 25 | 7 2   | 1 25 | 23 24 | 0 4  | 1 41 | 1 6  | 21 53 | 0 16 | 7 31 | 0 49 | 17 43 | 0 1  | 13 26 | 9 6  | 3 50 | 4 3  | 11 55 | 16 42 | 6 44 |     |
| S 20 | 1 20 | 3 26  | 0s 7 | 1 47  | 1 20 | 6 33  | 1 25 | 23 25 | 0 3  | 1 36 | 1 6  | 21 53 | 0 16 | 7 31 | 0 49 | 17 43 | 0 1  | 13 27 | 9 5  | 3 50 | 4 4  | 11 56 | 16 43 | 6 43 |     |
| S 21 | 0 57 | 0n24  | 1 14 | 0 59  | 1 15 | 6 4   | 1 25 | 23 27 | 0 1  | 1 31 | 1 6  | 21 53 | 0 16 | 7 32 | 0 49 | 17 42 | 0 1  | 13 27 | 9 5  | 3 50 | 4 6  | 11 58 | 16 43 | 6 42 |     |
| M22  | 0 33 | 4 11  | 2 17 | 0 12  | 1 10 | 5 35  | 1 26 | 23 28 | 0n 0 | 1 26 | 1 6  | 21 53 | 0 16 | 7 33 | 0 49 | 17 42 | 0 1  | 13 28 | 9 5  | 3 50 | 4 7  | 11 59 | 16 44 | 6 42 |     |
| T 23 | 0 10 | 7 44  | 3 14 | 0s35  | 1 4  | 5 6   | 1 26 | 23 30 | 0 2  | 1 20 | 1 6  | 21 53 | 0 16 | 7 34 | 0 49 | 17 41 | 0 1  | 13 28 | 9 4  | 3 50 | 4 8  | 12 1  | 16 44 | 6 41 |     |
| W24  | 0s14 | 10 58 | 4 1  | 1 22  | 0 58 | 4 37  | 1 26 | 23 31 | 0 3  | 1 15 | 1 6  | 21 54 | 0 17 | 7 35 | 0 49 | 17 41 | 0 1  | 13 29 | 9 4  | 3 51 | 4 9  | 12 2  | 16 45 | 6 41 |     |
| T 25 | 0 37 | 13 44 | 4 38 | 2 8   | 0 52 | 4 7   | 1 26 | 23 32 | 0 5  | 1 10 | 1 6  | 21 54 | 0 17 | 7 36 | 0 49 | 17 41 | 0 1  | 13 29 | 9 3  | 3 52 | 4 11 | 12 4  | 16 45 | 6 40 |     |
| F 26 | 1 1  | 15 55 | 5 3  | 2 54  | 0 46 | 3 38  | 1 26 | 23 33 | 0 6  | 1 5  | 1 6  | 21 54 | 0 17 | 7 37 | 0 49 | 17 40 | 0 1  | 13 30 | 9 3  | 3 52 | 4 12 | 12 5  | 16 46 | 6 40 |     |
| S 27 | 1 24 | 17 27 | 5 15 | 3 40  | 0 39 | 3 8   | 1 26 | 23 34 | 0 8  | 1 0  | 1 6  | 21 54 | 0 17 | 7 37 | 0 49 | 17 40 | 0 1  | 13 30 | 9 3  | 3 53 | 4 13 | 12 7  | 16 46 | 6 39 |     |
| S 28 | 1 48 | 18 13 | 5 14 | 4 25  | 0 33 | 2 38  | 1 26 | 23 34 | 0 9  | 0 55 | 1 6  | 21 54 | 0 17 | 7 38 | 0 49 | 17 39 | 0 1  | 13 31 | 9 2  | 3 53 | 4 14 | 12 8  | 16 47 | 6 39 |     |
| M29  | 2 11 | 18 9  | 4 58 | 5 10  | 0 26 | 2 8   | 1 26 | 23 35 | 0 11 | 0 50 | 1 6  | 21 54 | 0 17 | 7 39 | 0 49 | 17 39 | 0 0  | 13 31 | 9 2  | 3 53 | 4 16 | 12 10 | 16 47 | 6 38 |     |
| T 30 | 2s34 | 17n12 | 4s28 | 5s54  | 0n19 | 1n38  | 1n26 | 23n36 | 0n12 | 0n44 | 1n 6 | 21s54 | 0s17 | 7s40 | 0s49 | 17n39 | 0s 0 | 13s32 | 9n 2 | 3n53 | 4n17 | 12n11 | 16s47 | 6n38 |     |

ASTRODIENST EPHEMERIS for the year 1755  
geocentric

OCTOBER 1755

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♂     | ♀     | ♂     | ♂    | ♂     | ♂      | ♂     | ♂     | ♂      | ♂     | ♂     | ♂    | Day  |
|------|---------|----------|-------|-------|-------|-------|------|-------|--------|-------|-------|--------|-------|-------|------|------|
| W 1  | 0 37 32 | 7♂27'23  | 5♂18  | 17♂23 | 0♂26  | 4♂50  | 0♂54 | 22♂18 | 12°R22 | 10♂26 | 13♂52 | 20♂14  | 19♂8  | 14♂42 | 3♂37 | W 1  |
| T 2  | 0 41 28 | 8°26'32  | 18°39 | 19° 0 | 1°41  | 5°18  | 1° 6 | 22°19 | 12♂20  | 10°28 | 13°54 | 20°16  | 19° 5 | 14°49 | 3°39 | T 2  |
| F 3  | 0 45 25 | 9°25'43  | 2♂26  | 20°37 | 2°56  | 5°45  | 1°19 | 22°19 | 12°18  | 10°29 | 13°55 | 20°17  | 19° 2 | 14°56 | 3°41 | F 3  |
| S 4  | 0 49 21 | 10°24'56 | 1♂38  | 22°12 | 4°11  | 6°12  | 1°32 | 22°20 | 12°16  | 10°30 | 13°56 | 20°R17 | 18°59 | 15° 3 | 3°43 | S 4  |
| S 5  | 0 53 18 | 11°24'12 | 1♂14  | 23°47 | 5°26  | 6°39  | 1°45 | 22°21 | 12°14  | 10°32 | 13°57 | 20°17  | 18°56 | 15° 9 | 3°45 | S 5  |
| M 6  | 0 57 14 | 12°23'30 | 16° 8 | 25°21 | 6°41  | 7° 5  | 1°58 | 22°21 | 12°12  | 10°33 | 13°59 | 20°16  | 18°53 | 15°16 | 3°47 | M 6  |
| T 7  | 1 1 11  | 13°22'49 | 1♂10  | 26°55 | 7°56  | 7°32  | 2°11 | 22°22 | 12°10  | 10°34 | 14° 0 | 20°13  | 18°49 | 15°23 | 3°49 | T 7  |
| W 8  | 1 5 8   | 14°22'11 | 16°14 | 28°27 | 9°11  | 7°57  | 2°24 | 22°23 | 12° 8  | 10°35 | 14° 1 | 20°10  | 18°46 | 15°29 | 3°52 | W 8  |
| T 9  | 1 9 4   | 15°21'35 | 1♂9   | 29°59 | 10°26 | 8°23  | 2°37 | 22°25 | 12° 6  | 10°36 | 14° 3 | 20° 7  | 18°43 | 15°36 | 3°54 | T 9  |
| F 10 | 1 13 1  | 16°21'00 | 15°48 | 1♂31  | 11°41 | 8°47  | 2°49 | 22°26 | 12° 4  | 10°38 | 14° 4 | 20° 4  | 18°40 | 15°43 | 3°57 | F 10 |
| S 11 | 1 16 57 | 17°20'28 | 0♂6   | 3° 1  | 12°56 | 9°12  | 3° 2 | 22°27 | 12° 2  | 10°39 | 14° 6 | 20° 1  | 18°37 | 15°49 | 3°59 | S 11 |
| S 12 | 1 20 54 | 18°19'57 | 14° 0 | 4°31  | 14°11 | 9°36  | 3°15 | 22°29 | 12° 0  | 10°40 | 14° 7 | 20°D 0 | 18°33 | 15°56 | 4° 2 | S 12 |
| M13  | 1 24 50 | 19°19'28 | 27°31 | 6° 0  | 15°26 | 10° 0 | 3°28 | 22°30 | 11°59  | 10°41 | 14° 9 | 20° 1  | 18°30 | 16° 3 | 4° 5 | M13  |
| T 14 | 1 28 47 | 20°19'00 | 10♂41 | 7°28  | 16°41 | 10°23 | 3°40 | 22°32 | 11°57  | 10°42 | 14°10 | 20° 2  | 18°27 | 16°10 | 4° 8 | T 14 |
| W15  | 1 32 43 | 21°18'34 | 23°31 | 8°56  | 17°56 | 10°46 | 3°53 | 22°33 | 11°55  | 10°43 | 14°12 | 20° 3  | 18°24 | 16°16 | 4°11 | W15  |
| T 16 | 1 36 40 | 22°18'10 | 6♂5   | 10°23 | 19°11 | 11° 9 | 4° 6 | 22°35 | 11°54  | 10°44 | 14°13 | 20° 5  | 18°21 | 16°23 | 4°14 | T 16 |
| F 17 | 1 40 37 | 23°17'48 | 18°27 | 11°49 | 20°27 | 11°31 | 4°18 | 22°37 | 11°52  | 10°45 | 14°15 | 20°R 6 | 18°18 | 16°30 | 4°17 | F 17 |
| S 18 | 1 44 33 | 24°17'28 | 0♂38  | 13°14 | 21°42 | 11°52 | 4°31 | 22°39 | 11°50  | 10°46 | 14°16 | 20° 5  | 18°14 | 16°36 | 4°20 | S 18 |
| S 19 | 1 48 30 | 25°17'09 | 12°41 | 14°39 | 22°57 | 12°14 | 4°44 | 22°41 | 11°49  | 10°46 | 14°18 | 20° 3  | 18°11 | 16°43 | 4°23 | S 19 |
| M20  | 1 52 26 | 26°16'53 | 24°39 | 16° 2 | 24°12 | 12°34 | 4°56 | 22°44 | 11°47  | 10°47 | 14°20 | 19°59  | 18° 8 | 16°50 | 4°26 | M20  |
| T 21 | 1 56 23 | 27°16'38 | 6♂33  | 17°25 | 25°27 | 12°55 | 5° 9 | 22°46 | 11°46  | 10°48 | 14°21 | 19°53  | 18° 5 | 16°56 | 4°30 | T 21 |
| W22  | 2 0 19  | 28°16'26 | 18°25 | 18°47 | 26°42 | 13°15 | 5°21 | 22°48 | 11°44  | 10°49 | 14°23 | 19°46  | 18° 2 | 17° 3 | 4°33 | W22  |
| T 23 | 2 4 16  | 29°16'15 | 0♂16  | 20° 8 | 27°58 | 13°34 | 5°34 | 22°51 | 11°43  | 10°50 | 14°25 | 19°38  | 17°59 | 17°10 | 4°36 | T 23 |
| F 24 | 2 8 12  | 0♂16'07  | 12° 8 | 21°28 | 29°13 | 13°53 | 5°46 | 22°53 | 11°42  | 10°50 | 14°27 | 19°31  | 17°55 | 17°17 | 4°40 | F 24 |
| S 25 | 2 12 9  | 1°16'01  | 24° 5 | 22°47 | 0♂28  | 14°11 | 5°58 | 22°56 | 11°40  | 10°51 | 14°28 | 19°24  | 17°52 | 17°23 | 4°44 | S 25 |
| S 26 | 2 16 6  | 2°15'57  | 6♂9   | 24° 4 | 1°43  | 14°29 | 6°11 | 22°59 | 11°39  | 10°52 | 14°30 | 19°19  | 17°49 | 17°30 | 4°47 | S 26 |
| M27  | 2 20 2  | 3°15'55  | 18°23 | 25°21 | 2°58  | 14°46 | 6°23 | 23° 2 | 11°38  | 10°52 | 14°32 | 19°16  | 17°46 | 17°37 | 4°51 | M27  |
| T 28 | 2 23 59 | 4°15'55  | 0♂53  | 26°35 | 4°14  | 15° 3 | 6°35 | 23° 5 | 11°37  | 10°53 | 14°34 | 19°D15 | 17°43 | 17°43 | 4°55 | T 28 |
| W29  | 2 27 55 | 5°15'58  | 13°42 | 27°49 | 5°29  | 15°19 | 6°47 | 23° 8 | 11°36  | 10°53 | 14°36 | 19°15  | 17°39 | 17°50 | 4°59 | W29  |
| T 30 | 2 31 52 | 6°16'02  | 26°54 | 29° 0 | 6°44  | 15°35 | 6°59 | 23°11 | 11°34  | 10°54 | 14°37 | 19°16  | 17°36 | 17°57 | 5° 3 | T 30 |
| F 31 | 2 35 48 | 7♂16'09  | 10♂32 | 0♂10  | 8♂0   | 15♂50 | 7♂11 | 23♂14 | 11♂33  | 10♂54 | 14♂39 | 19♂17  | 17♂33 | 18♂4  | 5♂7  | F 31 |

| Day  | ☉     | ☽          | ♂          | ♀          | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        |
|------|-------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      | decl  | decl lat   | decl lat   | decl lat   | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| W 1  | 2s58  | 15n21 3s44 | 6s38 0n13  | 1n 8 1n26  | 23n36    | 0n14     | 0n39     | 1n 6     | 21s54    | 0s17     | 7s41     | 0s49     | 17n38    | 0s 0     | 13s32    | 9n 1     |
| T 2  | 3 21  | 12 37 2 46 | 7 22 0 6   | 0 38 1 25  | 23 37    | 0 15     | 0 34     | 1 6      | 21 54    | 0 17     | 7 41     | 0 49     | 17 38    | 0 0      | 13 33    | 9 1      |
| F 3  | 3 44  | 9 7 1 37   | 8 5 0s 1   | 0 8 1 25   | 23 37    | 0 17     | 0 29     | 1 6      | 21 54    | 0 17     | 7 42     | 0 49     | 17 38    | 0 0      | 13 33    | 9 1      |
| S 4  | 4 8   | 4 58 0 20  | 8 47 0 8   | 0s22       | 1 24     | 23 38    | 0 19     | 0 24     | 1 6      | 21 54    | 0 17     | 7 43     | 0 48     | 17 37    | 0 0      | 13 34    |
| S 5  | 4 31  | 0 25 1n 0  | 9 29 0 15  | 0 53 1 24  | 23 38    | 0 20     | 0 19     | 1 6      | 21 54    | 0 17     | 7 44     | 0 48     | 17 37    | 0 0      | 13 34    | 9 0      |
| M 6  | 4 54  | 4s14 2 18  | 10 10 0 22 | 1 23 1 23  | 23 39    | 0 22     | 0 14     | 1 6      | 21 54    | 0 17     | 7 44     | 0 48     | 17 37    | 0 0      | 13 35    | 8 59     |
| T 7  | 5 17  | 8 40 3 26  | 10 50 0 29 | 1 53 1 23  | 23 39    | 0 24     | 0 9      | 1 6      | 21 54    | 0 17     | 7 45     | 0 48     | 17 36    | 0 0      | 13 35    | 8 59     |
| W 8  | 5 40  | 12 33 4 21 | 11 30 0 36 | 2 23 1 22  | 23 39    | 0 25     | 0 4      | 1 6      | 21 53    | 0 17     | 7 46     | 0 48     | 17 36    | 0 0      | 13 36    | 8 59     |
| T 9  | 6 3   | 15 34 4 57 | 12 9 0 43  | 2 53 1 21  | 23 39    | 0 27     | 0s 1     | 1 6      | 21 53    | 0 17     | 7 47     | 0 48     | 17 36    | 0 0      | 13 36    | 8 58     |
| F 10 | 6 26  | 17 31 5 13 | 12 48 0 50 | 3 24 1 20  | 23 39    | 0 29     | 0 6      | 1 7      | 21 53    | 0 17     | 7 47     | 0 48     | 17 35    | 0 0      | 13 36    | 8 58     |
| S 11 | 6 49  | 18 19 5 9  | 13 26 0 57 | 3 54 1 19  | 23 39    | 0 31     | 0 11     | 1 7      | 21 53    | 0 17     | 7 48     | 0 48     | 17 35    | 0 0      | 13 37    | 8 58     |
| S 12 | 7 12  | 17 58 4 47 | 14 3 1 4   | 4 24 1 18  | 23 39    | 0 32     | 0 16     | 1 7      | 21 53    | 0 17     | 7 49     | 0 48     | 17 35    | 0 0      | 13 37    | 8 57     |
| M13  | 7 34  | 16 36 4 9  | 14 39 1 11 | 4 54 1 17  | 23 40    | 0 34     | 0 21     | 1 7      | 21 53    | 0 18     | 7 49     | 0 48     | 17 34    | 0 0      | 13 38    | 8 57     |
| T 14 | 7 57  | 14 23 3 19 | 15 14 1 17 | 5 24 1 16  | 23 40    | 0 36     | 0 26     | 1 7      | 21 52    | 0 18     | 7 50     | 0 48     | 17 34    | 0 0      | 13 38    | 8 57     |
| W15  | 8 19  | 11 29 2 20 | 15 49 1 24 | 5 53 1 15  | 23 40    | 0 38     | 0 31     | 1 7      | 21 52    | 0 18     | 7 51     | 0 48     | 17 34    | 0 0      | 13 39    | 8 56     |
| T 16 | 8 42  | 8 7 1 16   | 16 23 1 31 | 6 23 1 14  | 23 40    | 0 40     | 0 36     | 1 7      | 21 52    | 0 18     | 7 51     | 0 48     | 17 34    | 0 0      | 13 39    | 8 56     |
| F 17 | 9 4   | 4 26 0 9   | 16 56 1 37 | 6 52 1 13  | 23 40    | 0 42     | 0 41     | 1 7      | 21 52    | 0 18     | 7 52     | 0 48     | 17 33    | 0 0      | 13 40    | 8 56     |
| S 18 | 9 26  | 0 37 0s57  | 17 28 1 43 | 7 22 1 11  | 23 40    | 0 44     | 0 46     | 1 7      | 21 51    | 0 18     | 7 52     | 0 48     | 17 33    | 0 0      | 13 40    | 8 55     |
| S 19 | 9 48  | 3n10 2 0   | 17 59 1 49 | 7 51 1 10  | 23 40    | 0 46     | 0 51     | 1 7      | 21 51    | 0 18     | 7 53     | 0 48     | 17 33    | 0 0      | 13 41    | 8 55     |
| M20  | 10 9  | 6 49 2 57  | 18 30 1 55 | 8 20 1 9   | 23 40    | 0 48     | 0 56     | 1 7      | 21 51    | 0 18     | 7 53     | 0 48     | 17 33    | 0 0      | 13 41    | 8 55     |
| T 21 | 10 31 | 10 10 3 46 | 18 59 2 1  | 8 49 1 7   | 23 40    | 0 50     | 1 1      | 1 7      | 21 50    | 0 18     | 7 54     | 0 48     | 17 32    | 0 0      | 13 42    | 8 55     |
| W22  | 10 52 | 13 5 4 25  | 19 27 2 6  | 9 17 1 6   | 23 40    | 0 52     | 1 6      | 1 7      | 21 50    | 0 18     | 7 54     | 0 48     | 17 32    | 0 0      | 13 42    | 8 54     |
| T 23 | 11 14 | 15 28 4 52 | 19 54 2 11 | 9 46 1 4   | 23 40    | 0 54     | 1 11     | 1 7      | 21 50    | 0 18     | 7 55     | 0 48     | 17 32    | 0 0      | 13 43    | 8 54     |
| F 24 | 11 35 | 17 12 5 7  | 20 21 2 16 | 10 14 1 2  | 23 40    | 0 56     | 1 16     | 1 8      | 21 49    | 0 18     | 7 55     | 0 48     | 17 32    | 0 0      | 13 43    | 8 54     |
| S 25 | 11 56 | 18 12 5 8  | 20 46 2 21 | 10 42 1 1  | 23 40    | 0 58     | 1 20     | 1 8      | 21 49    | 0 18     | 7 56     | 0 48     | 17 32    | 0 0      | 13 44    | 8 53     |
| S 26 | 12 17 | 18 24 4 56 | 21 10 2 26 | 11 10 0 59 | 23 40    | 1 0      | 1 25     | 1 8      | 21 48    | 0 18     | 7 56     | 0 48     | 17 32    | 0 0      | 13 44    | 8 53     |
| M27  | 12 37 | 17 44 4 30 | 21 33 2 30 | 11 37 0 57 | 23 41    | 1 2      | 1 30     | 1 8      | 21 48    | 0 18     | 7 57     | 0 48     | 17 31    | 0 0      | 13 45    | 8 53     |
| T 28 | 12 57 | 16 13 3 52 | 21 54 2 33 | 12 4 0 56  | 23 41    | 1 4      | 1 35     | 1 8      | 21 48    | 0 18     | 7 57     | 0 48     | 17 31    | 0 0      | 13 45    | 8 52     |
| W29  | 13 18 | 13 51 3 0  | 22 14 2 37 | 12 31 0 54 | 23 41    | 1 7      | 1 39     | 1 8      | 21 47    | 0 18     | 7 58     | 0 48     | 17 31    | 0 0      | 13 46    | 8 52     |
| T 30 | 13 38 | 10 43 1 58 | 22 34 2 40 | 12 58 0 52 | 23 42    | 1 9      | 1 44     | 1 8      | 21 47    | 0 18     | 7 58     | 0 48     | 17 31    | 0 0      | 13 46    | 8 52     |
| F 31 | 13s57 | 6n54 0s47  | 22s51 2s42 | 13s24 0n50 | 23n42    | 1n11     | 1s49     | 1n 8     | 21s46    | 0s18     | 7s58     | 0s48     | 17n31    | 0s 0     | 13s47    | 8n52     |

Julian Day Number = 2362333.5, Delta T = 17.66 sec  
Ecliptic obliquity = 23°28'07, Nutation = - 0°00'04, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 21°19'49, Lahiri = 20°26'49Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1755

## geocentric

NOVEMBER 1755

00:00 UT

| Day  | Sid.t   | ☉        | ☽       | ♂     | ♀     | ♂      | ♂     | ♂     | ♂      | ♂      | ♂     | ♂      | ♂     | ♂     | ♂    | Day  |
|------|---------|----------|---------|-------|-------|--------|-------|-------|--------|--------|-------|--------|-------|-------|------|------|
| S 1  | 2 39 45 | 8♌16'18  | 24♏39   | 1♈17  | 9♍15  | 16♎4   | 7♊23  | 23♈17 | 11°R32 | 10♌55  | 14♌41 | 19°R17 | 17♏30 | 18♏10 | 5♈11 | S 1  |
| S 2  | 2 43 41 | 9°16'29  | 9♏13    | 2°22  | 10°30 | 16°18  | 7°35  | 23°21 | 11°R31 | 10°55  | 14°43 | 19°R16 | 17°27 | 18°17 | 5°15 | S 2  |
| M 3  | 2 47 38 | 10°16'41 | 24°11   | 3°24  | 11°45 | 16°31  | 7°47  | 23°24 | 11°30  | 10°56  | 14°45 | 19°12  | 17°24 | 18°24 | 5°19 | M 3  |
| T 4  | 2 51 34 | 11°16'56 | 9♍24    | 4°24  | 13°1  | 16°44  | 7°59  | 23°28 | 11°30  | 10°56  | 14°47 | 19°5   | 17°20 | 18°30 | 5°23 | T 4  |
| W 5  | 2 55 31 | 12°17'13 | 24°44   | 5°20  | 14°16 | 16°56  | 8°11  | 23°32 | 11°29  | 10°56  | 14°49 | 18°58  | 17°17 | 18°37 | 5°27 | W 5  |
| T 6  | 2 59 28 | 13°17'31 | 9♌57    | 6°12  | 15°31 | 17°7   | 8°23  | 23°35 | 11°28  | 10°57  | 14°51 | 18°49  | 17°14 | 18°44 | 5°32 | T 6  |
| F 7  | 3 3 24  | 14°17'51 | 24°55   | 7°0   | 16°47 | 17°18  | 8°35  | 23°39 | 11°27  | 10°57  | 14°53 | 18°41  | 17°11 | 18°50 | 5°36 | F 7  |
| S 8  | 3 7 21  | 15°18'12 | 9♎28    | 7°43  | 18°2  | 17°28  | 8°46  | 23°43 | 11°27  | 10°57  | 14°55 | 18°34  | 17°8  | 18°57 | 5°41 | S 8  |
| S 9  | 3 11 17 | 16°18'35 | 23°33   | 8°21  | 19°17 | 17°37  | 8°58  | 23°47 | 11°26  | 10°57  | 14°57 | 18°29  | 17°5  | 19°4  | 5°45 | S 9  |
| M10  | 3 15 14 | 17°19'00 | 7♎10    | 8°52  | 20°33 | 17°46  | 9°9   | 23°51 | 11°25  | 10°57  | 14°59 | 18°27  | 17°1  | 19°11 | 5°50 | M10  |
| T 11 | 3 19 10 | 18°19'25 | 20°19   | 9°18  | 21°48 | 17°54  | 9°21  | 23°55 | 11°25  | 10°57  | 15°1  | 18°D27 | 16°58 | 19°17 | 5°54 | T 11 |
| W12  | 3 23 7  | 19°19'52 | 3♏4     | 9°36  | 23°3  | 18°1   | 9°32  | 24°0  | 11°24  | 10°58  | 15°3  | 18°27  | 16°55 | 19°24 | 5°59 | W12  |
| T 13 | 3 27 4  | 20°20'20 | 15°31   | 9°45  | 24°19 | 18°7   | 9°43  | 24°4  | 11°24  | 10°R58 | 15°6  | 18°R28 | 16°52 | 19°31 | 6°4  | T 13 |
| F 14 | 3 31 0  | 21°20'50 | 27°42   | 9°R46 | 25°34 | 18°13  | 9°55  | 24°8  | 11°24  | 10°58  | 15°8  | 18°27  | 16°49 | 19°37 | 6°8  | F 14 |
| S 15 | 3 34 57 | 22°21'20 | 9°V44   | 9°38  | 26°49 | 18°18  | 10°6  | 24°13 | 11°23  | 10°58  | 15°10 | 18°25  | 16°45 | 19°44 | 6°13 | S 15 |
| S 16 | 3 38 53 | 23°21'53 | 21°39   | 9°19  | 28°5  | 18°22  | 10°17 | 24°17 | 11°23  | 10°57  | 15°12 | 18°20  | 16°42 | 19°51 | 6°18 | S 16 |
| M17  | 3 42 50 | 24°22'26 | 3♏31    | 8°50  | 29°20 | 18°25  | 10°28 | 24°22 | 11°23  | 10°57  | 15°14 | 18°12  | 16°39 | 19°58 | 6°23 | M17  |
| T 18 | 3 46 46 | 25°23'01 | 15°22   | 8°11  | 0♌35  | 18°28  | 10°39 | 24°27 | 11°23  | 10°57  | 15°16 | 18°2   | 16°36 | 20°4  | 6°28 | T 18 |
| W19  | 3 50 43 | 26°23'37 | 27°14   | 7°21  | 1°51  | 18°30  | 10°50 | 24°31 | 11°22  | 10°57  | 15°18 | 17°49  | 16°33 | 20°11 | 6°33 | W19  |
| T 20 | 3 54 39 | 27°24'15 | 9♏8     | 6°21  | 3°6   | 18°31  | 11°0  | 24°36 | 11°22  | 10°57  | 15°21 | 17°35  | 16°30 | 20°18 | 6°38 | T 20 |
| F 21 | 3 58 36 | 28°24'55 | 21°6    | 5°13  | 4°21  | 18°R31 | 11°11 | 24°41 | 11°D22 | 10°57  | 15°23 | 17°22  | 16°26 | 20°24 | 6°43 | F 21 |
| S 22 | 4 2 32  | 29°25'36 | 3♎9     | 3°57  | 5°37  | 18°30  | 11°22 | 24°46 | 11°22  | 10°56  | 15°25 | 17°10  | 16°23 | 20°31 | 6°48 | S 22 |
| S 23 | 4 6 29  | 0♌26'18  | 15°18   | 2°37  | 6°52  | 18°29  | 11°32 | 24°51 | 11°22  | 10°56  | 15°27 | 16°59  | 16°20 | 20°38 | 6°53 | S 23 |
| M24  | 4 10 26 | 1°27'02  | 27°36   | 1°15  | 8°8   | 18°26  | 11°43 | 24°56 | 11°23  | 10°56  | 15°30 | 16°52  | 16°17 | 20°44 | 6°58 | M24  |
| T 25 | 4 14 22 | 2°27'47  | 10♏7    | 29♌53 | 9°23  | 18°23  | 11°53 | 25°1  | 11°23  | 10°55  | 15°32 | 16°47  | 16°14 | 20°51 | 7°4  | T 25 |
| W26  | 4 18 19 | 3°28'34  | 3°28'34 | 28°35 | 10°38 | 18°19  | 12°3  | 25°7  | 11°23  | 10°55  | 15°34 | 16°45  | 16°10 | 20°58 | 7°9  | W26  |
| T 27 | 4 22 15 | 4°29'22  | 5♏58    | 27°22 | 11°54 | 18°14  | 12°13 | 25°12 | 11°23  | 10°55  | 15°36 | 16°D45 | 16°7  | 21°5  | 7°14 | T 27 |
| F 28 | 4 26 12 | 5°30'12  | 19°26   | 26°18 | 13°9  | 18°9   | 12°24 | 25°17 | 11°24  | 10°54  | 15°38 | 16°R45 | 16°4  | 21°11 | 7°19 | F 28 |
| S 29 | 4 30 8  | 6°31'04  | 3♏19    | 25°23 | 14°24 | 18°2   | 12°33 | 25°23 | 11°24  | 10°54  | 15°41 | 16°44  | 16°1  | 21°18 | 7°25 | S 29 |
| S 30 | 4 34 5  | 7♌31'56  | 17♏39   | 24♌39 | 15♌40 | 17♎55  | 12♏43 | 25♎28 | 11°R24 | 10♌53  | 15♌43 | 16♏41  | 15♏58 | 21♏25 | 7♎30 | S 30 |

| Day  | ☉     | ☾     |      | ♀     |      | ♀     |      | ♂     |      | ♂    |      | ♂     |      | ♂    |      | ♂     |      | ♂     |      | ♂    |      | ♂     |       | ♂    |       | ♂     |      | ♂     |       |       |       |       |       |      |      |       |       |      |      |       |       |       |       |      |      |       |       |       |      |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|------|------|-------|-------|-------|-------|------|------|-------|-------|-------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat   | decl | lat   | decl  | lat  | decl  | lat   |       |       |       |       |      |      |       |       |      |      |       |       |       |       |      |      |       |       |       |      |
| S 1  | 14s17 | 2n34  | 0n29 | 23s 7 | 2s44 | 13s50 | 0n48 | 23n43 | 1n13 | 1s54 | 1n 8 | 21s46 | 0s18 | 7s59 | 0s48 | 17n31 | 0s 0 | 13s47 | 8n51 | 4n15 | 4n57 | 12n57 | 16s59 | 6n23 | 6s22  | 14s55 | 6s39 | 2s56  | 23s35 | 2s47  | 14s41 | 0s44  | 23s44 | 1s18 | 2s 3 | 1s 8  | 21s44 | 0s19 | 7s59 | 0s48  | 17s31 | 0s 0  | 13s48 | 8s51 | 4s15 | 4s58  | 12s58 | 16s59 | 6s23 |
| S 2  | 14 36 | 2s 3  | 1 45 | 23 22 | 2 46 | 14 16 | 0 46 | 23 44 | 1 16 | 1 58 | 1 8  | 21 45 | 0 18 | 7 59 | 0 48 | 17 31 | 0 0  | 13 48 | 8 51 | 4 15 | 4 58 | 12 58 | 16 59 | 6 23 | 14 55 | 6 39  | 2 56 | 23 35 | 2 47  | 14 41 | 0 44  | 23 44 | 1 18  | 2 3  | 1 8  | 21 44 | 0 19  | 7 59 | 0 48 | 17 31 | 0 0   | 13 48 | 8 51  | 4 17 | 4 59 | 13 0  | 16 59 | 6 23  |      |
| M 3  | 15 14 | 10 55 | 3 56 | 23 47 | 2 47 | 15 6  | 0 42 | 23 45 | 1 21 | 2 7  | 1 9  | 21 44 | 0 19 | 8 0  | 0 48 | 17 30 | 0 0  | 13 49 | 8 51 | 4 19 | 5 0  | 13 1  | 16 59 | 6 22 | 15 14 | 10 55 | 4 39 | 23 57 | 2 47  | 15 30 | 0 40  | 23 46 | 1 23  | 2 12 | 1 9  | 21 43 | 0 19  | 8 0  | 0 48 | 17 30 | 0 0   | 13 49 | 8 50  | 4 22 | 5 2  | 13 2  | 17 0  | 6 22  |      |
| T 4  | 15 33 | 14 27 | 4 39 | 23 57 | 2 47 | 15 30 | 0 40 | 23 46 | 1 23 | 2 12 | 1 9  | 21 43 | 0 19 | 8 0  | 0 48 | 17 30 | 0 0  | 13 49 | 8 50 | 4 22 | 5 2  | 13 2  | 17 0  | 6 22 | 15 33 | 14 27 | 4 39 | 23 57 | 2 47  | 15 30 | 0 40  | 23 46 | 1 23  | 2 12 | 1 9  | 21 43 | 0 19  | 8 0  | 0 47 | 17 30 | 0 0   | 13 50 | 8 50  | 4 26 | 5 3  | 13 4  | 17 0  | 6 22  |      |
| W 5  | 15 51 | 16 59 | 5 2  | 24 5  | 2 46 | 15 55 | 0 38 | 23 47 | 1 25 | 2 16 | 1 9  | 21 43 | 0 19 | 8 0  | 0 47 | 17 30 | 0 0  | 13 50 | 8 50 | 4 26 | 5 3  | 13 4  | 17 0  | 6 22 | 15 51 | 16 59 | 5 2  | 24 5  | 2 46  | 15 55 | 0 38  | 23 47 | 1 25  | 2 16 | 1 9  | 21 43 | 0 19  | 8 0  | 0 47 | 17 30 | 0 0   | 13 50 | 8 50  | 4 29 | 5 4  | 13 5  | 17 0  | 6 21  |      |
| T 6  | 16 9  | 18 19 | 5 4  | 24 12 | 2 44 | 16 18 | 0 35 | 23 48 | 1 28 | 2 21 | 1 9  | 21 42 | 0 19 | 8 0  | 0 47 | 17 30 | 0 0  | 13 50 | 8 50 | 4 29 | 5 4  | 13 5  | 17 0  | 6 21 | 16 9  | 18 19 | 5 4  | 24 12 | 2 44  | 16 18 | 0 35  | 23 48 | 1 28  | 2 21 | 1 9  | 21 42 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 50 | 8 50  | 4 32 | 5 5  | 13 7  | 17 0  | 6 21  |      |
| F 7  | 16 27 | 18 23 | 4 46 | 24 16 | 2 41 | 16 41 | 0 33 | 23 49 | 1 30 | 2 25 | 1 9  | 21 42 | 0 19 | 8 1  | 0 47 | 17 30 | 0 0  | 13 50 | 8 50 | 4 32 | 5 5  | 13 7  | 17 0  | 6 21 | 16 27 | 18 23 | 4 46 | 24 16 | 2 41  | 16 41 | 0 33  | 23 49 | 1 30  | 2 25 | 1 9  | 21 42 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 50 | 8 50  | 4 32 | 5 5  | 13 7  | 17 0  | 6 21  |      |
| S 8  | 16 44 | 17 18 | 4 11 | 24 18 | 2 37 | 17 4  | 0 31 | 23 51 | 1 33 | 2 30 | 1 9  | 21 41 | 0 19 | 8 1  | 0 47 | 17 30 | 0 0  | 13 51 | 8 49 | 4 33 | 5 7  | 13 8  | 17 0  | 6 21 | 16 44 | 17 18 | 4 11 | 24 18 | 2 37  | 17 4  | 0 31  | 23 51 | 1 33  | 2 30 | 1 9  | 21 41 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 51 | 8 49  | 4 33 | 5 7  | 13 8  | 17 0  | 6 21  |      |
| M10  | 17 1  | 15 14 | 3 22 | 24 19 | 2 32 | 17 27 | 0 29 | 23 52 | 1 35 | 2 34 | 1 9  | 21 40 | 0 19 | 8 1  | 0 47 | 17 30 | 0 0  | 13 51 | 8 49 | 4 34 | 5 8  | 13 9  | 17 0  | 6 20 | 17 1  | 15 14 | 3 22 | 24 19 | 2 32  | 17 27 | 0 29  | 23 52 | 1 35  | 2 34 | 1 9  | 21 40 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 51 | 8 49  | 4 34 | 5 8  | 13 9  | 17 0  | 6 20  |      |
| T 11 | 17 18 | 12 27 | 2 25 | 24 17 | 2 26 | 17 49 | 0 27 | 23 53 | 1 38 | 2 39 | 1 9  | 21 40 | 0 19 | 8 1  | 0 47 | 17 30 | 0 0  | 13 52 | 8 49 | 4 35 | 5 9  | 13 11 | 17 1  | 6 20 | 17 18 | 12 27 | 2 25 | 24 17 | 2 26  | 17 49 | 0 27  | 23 53 | 1 41  | 2 43 | 1 9  | 21 39 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 52 | 8 49  | 4 35 | 5 9  | 13 11 | 17 1  | 6 20  |      |
| W12  | 17 35 | 9 8   | 1 21 | 24 12 | 2 19 | 18 10 | 0 24 | 23 55 | 1 38 | 2 43 | 1 9  | 21 39 | 0 19 | 8 1  | 0 47 | 17 30 | 0 0  | 13 52 | 8 49 | 4 34 | 5 10 | 13 12 | 17 1  | 6 20 | 17 35 | 9 8   | 1 21 | 24 12 | 2 19  | 18 10 | 0 24  | 23 55 | 1 41  | 2 43 | 1 9  | 21 39 | 0 19  | 8 1  | 0 47 | 17 30 | 0 0   | 13 52 | 8 49  | 4 34 | 5 10 | 13 12 | 17 1  | 6 20  |      |
| T 13 | 17 51 | 5 29  | 0 16 | 24 5  | 2 10 | 18 31 | 0 22 | 23 57 | 1 43 | 2 47 | 1 10 | 21 38 | 0 19 | 8 2  | 0 47 | 17 30 | 0n 0 | 13 53 | 8 49 | 4 34 | 5 12 | 13 14 | 17 1  | 6 19 | 17 51 | 5 29  | 0 16 | 24 5  | 2 10  | 18 31 | 0 22  | 23 57 | 1 43  | 2 47 | 1 10 | 21 38 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 53 | 8 49  | 4 34 | 5 12 | 13 14 | 17 1  | 6 19  |      |
| F 14 | 18 7  | 1 40  | 0s49 | 23 55 | 2 0  | 18 51 | 0 20 | 23 59 | 1 46 | 2 52 | 1 10 | 21 37 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 53 | 8 48 | 4 34 | 5 13 | 13 15 | 17 1  | 6 19 | 18 7  | 1 40  | 0s49 | 23 55 | 2 0   | 18 51 | 0 20  | 23 59 | 1 46  | 2 52 | 1 10 | 21 37 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 53 | 8 48  | 4 34 | 5 13 | 13 15 | 17 1  | 6 19  |      |
| S 15 | 18 23 | 2n10  | 1 51 | 23 42 | 1 48 | 19 11 | 0 17 | 24 1  | 1 49 | 2 56 | 1 10 | 21 37 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 53 | 8 48 | 4 35 | 5 14 | 13 16 | 17 1  | 6 19 | 18 23 | 2n10  | 1 51 | 23 42 | 1 48  | 19 11 | 0 17  | 24 1  | 1 49  | 2 56 | 1 10 | 21 37 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 53 | 8 48  | 4 35 | 5 14 | 13 16 | 17 1  | 6 19  |      |
| S 16 | 18 38 | 5 52  | 2 47 | 23 26 | 1 35 | 19 31 | 0 15 | 24 3  | 1 51 | 3 0  | 1 10 | 21 36 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 54 | 8 48 | 4 37 | 5 15 | 13 18 | 17 1  | 6 18 | 18 38 | 5 52  | 2 47 | 23 26 | 1 35  | 19 31 | 0 15  | 24 3  | 1 51  | 3 0  | 1 10 | 21 36 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 54 | 8 48  | 4 37 | 5 15 | 13 18 | 17 1  | 6 18  |      |
| M17  | 18 53 | 9 19  | 3 36 | 23 7  | 1 20 | 19 50 | 0 13 | 24 5  | 1 54 | 3 4  | 1 10 | 21 35 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 54 | 8 48 | 4 40 | 5 17 | 13 19 | 17 1  | 6 18 | 18 53 | 9 19  | 3 36 | 23 7  | 1 20  | 19 50 | 0 13  | 24 5  | 1 54  | 3 4  | 1 10 | 21 35 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 54 | 8 48  | 4 40 | 5 17 | 13 19 | 17 1  | 6 18  |      |
| T 18 | 19 8  | 12 24 | 4 14 | 22 44 | 1 3  | 20 8  | 0 10 | 24 7  | 1 57 | 3 8  | 1 10 | 21 34 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 55 | 8 48 | 4 44 | 5 18 | 13 20 | 17 1  | 6 18 | 19 8  | 12 24 | 4 14 | 22 44 | 1 3   | 20 8  | 0 10  | 24 7  | 1 57  | 3 8  | 1 10 | 21 34 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 55 | 8 48  | 4 44 | 5 18 | 13 20 | 17 1  | 6 18  |      |
| W19  | 19 22 | 14 59 | 4 42 | 22 19 | 0 46 | 20 26 | 0 8  | 24 10 | 2 0  | 3 13 | 1 10 | 21 34 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 55 | 8 47 | 4 49 | 5 19 | 13 22 | 17 1  | 6 18 | 19 22 | 14 59 | 4 42 | 22 19 | 0 46  | 20 26 | 0 8   | 24 10 | 2 0   | 3 13 | 1 10 | 21 34 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 55 | 8 47  | 4 49 | 5 19 | 13 22 | 17 1  | 6 18  |      |
| T 20 | 19 36 | 16 56 | 4 58 | 21 50 | 0 27 | 20 43 | 0 5  | 24 12 | 2 2  | 3 17 | 1 11 | 21 33 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 56 | 8 47 | 4 55 | 5 20 | 13 23 | 17 1  | 6 17 | 19 36 | 16 56 | 4 58 | 21 50 | 0 27  | 20 43 | 0 5   | 24 12 | 2 2   | 3 17 | 1 11 | 21 33 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 56 | 8 47  | 4 55 | 5 20 | 13 23 | 17 1  | 6 17  |      |
| F 21 | 19 50 | 18 10 | 5 0  | 21 18 | 0 7  | 20 59 | 0 3  | 24 15 | 2 5  | 3 21 | 1 11 | 21 32 | 0 19 | 8 2  | 0 47 | 17 30 | 0 0  | 13 56 | 8 47 | 5 0  | 5 21 | 13 25 | 17 1  | 6 17 | 19 50 | 18 10 | 5 0  | 21 18 | 0 7   | 20 59 | 0 3   | 24 15 | 2 5   | 3 21 | 1 11 | 21 32 | 0 19  | 8 2  | 0 47 | 17 30 | 0 0   | 13 56 | 8 47  | 5 0  | 5 21 | 13 25 | 17 1  | 6 17  |      |
| S 22 | 20 3  | 18 36 | 4 50 | 20 44 | 0n14 | 21 15 | 0 1  | 24 18 | 2 8  | 3 25 | 1 11 | 21 31 | 0 19 | 8 2  | 0 47 | 17 31 | 0 0  | 13 56 | 8 47 | 5 5  | 5 23 | 13 26 | 17 1  | 6 17 | 20 3  | 18 36 | 4 50 | 20 44 | 0n14  | 21 15 | 0 1   | 24 18 | 2 8   | 3 25 | 1 11 | 21 31 | 0 19  | 8 2  | 0 47 | 17 31 | 0 0   | 13 56 | 8 47  | 5 5  | 5 23 | 13 26 | 17 1  | 6 17  |      |
| S 23 | 20 16 | 18 11 | 4 26 | 20 9  | 0 34 | 21 31 | 0s 2 | 24 21 | 2 11 | 3 29 | 1 11 | 21 30 | 0 20 | 8 2  | 0 47 | 17 31 | 0 0  | 13 57 | 8 47 | 5 9  | 5 24 | 13 27 | 17 1  | 6 17 | 20 16 | 18 11 | 4 26 | 20 9  | 0 34  | 21 31 | 0s 2  | 24 21 | 2 11  | 3 29 | 1 11 | 21 30 | 0 20  | 8 2  | 0 47 | 17 31 | 0 0   | 13 57 | 8 47  | 5 9  | 5 24 | 13 27 | 17 1  | 6 17  |      |
| M24  | 20 29 | 16 55 | 3 49 | 19 33 | 0 54 | 21 45 | 0 4  | 24 24 | 2 14 | 3 33 | 1 11 | 21 29 | 0 20 | 8 2  | 0 47 | 17 31 | 0 0  | 13 57 | 8 46 | 5 12 | 5 25 | 13 29 | 17 1  | 6 16 | 20 29 | 16 55 | 3 49 | 19 33 | 0 54  | 21 45 | 0 4   | 24 24 | 2 14  | 3 33 | 1 11 | 21 29 | 0 20  | 8 2  | 0 47 | 17 31 | 0 0   | 13 57 | 8 46  | 5 12 | 5 25 | 13 29 | 17 1  | 6 16  |      |
| T 25 | 20 41 | 14 50 | 3 1  | 18 57 | 1 14 | 22 0  | 0 7  | 24 28 | 2 17 | 3 37 | 1 11 | 21 28 | 0 20 | 8 2  | 0 47 | 17 31 | 0 0  | 13 57 | 8 46 | 5 13 | 5 26 | 13 30 | 17 1  | 6 16 | 20 41 | 14 50 | 3 1  | 18 57 | 1 14  | 22 0  | 0 7   | 24 28 | 2 17  | 3 37 | 1 11 | 21 28 | 0 20  | 8 2  | 0 47 | 17 31 | 0 0   | 13 57 | 8 46  | 5 13 | 5 26 | 13 30 | 17 1  | 6 16  |      |
| W26  | 20 52 | 11 58 | 2 3  | 18 23 | 1 32 | 22 13 | 0 9  | 24 31 | 2 20 | 3 40 | 1 11 | 21 28 | 0 20 | 8 1  | 0 47 | 17 31 | 0 0  | 13 58 | 8 46 | 5 14 | 5 28 | 13 31 | 17 1  | 6 16 | 20 52 | 11 58 | 2 3  | 18 23 | 1 32  | 22 13 | 0 9   | 24 31 | 2 20  | 3 40 | 1 11 | 21 28 | 0 20  | 8 1  | 0 47 | 17 31 | 0 0   | 13 58 | 8 46  | 5 14 | 5 28 | 13 31 | 17 1  | 6 16  |      |
| T 27 | 21 4  | 8 27  | 0 57 | 17 51 | 1 48 | 22 26 | 0 11 | 24 35 | 2 22 | 3 44 | 1 12 | 21 27 | 0 20 | 8 1  | 0 47 | 17 31 | 0 0  | 13 58 | 8 46 | 5 14 | 5 29 | 13 33 | 17 1  | 6 16 | 21 4  | 8 27  | 0 57 | 17 51 | 1 48  | 22 26 | 0 11  | 24 35 | 2 22  | 3 44 | 1 12 | 21 27 | 0 20  | 8 1  | 0 47 | 17 31 | 0 0   | 13 58 | 8 46  | 5 14 | 5 29 | 13 33 | 17 1  | 6 16  |      |
| F 28 | 21 15 | 4 24  | 0n14 | 17 22 | 2 2  | 22 38 | 0 14 | 24 38 | 2 25 | 3 48 | 1 12 | 21 26 | 0 20 | 8 1  | 0 47 | 17 31 | 0 0  | 13 59 | 8 46 | 5 14 | 5 30 | 13 34 | 17 1  | 6 15 | 21 15 | 4 24  | 0n14 | 17 22 | 2 2   | 22 38 |       |       |       |      |      |       |       |      |      |       |       |       |       |      |      |       |       |       |      |

# ASTRODIENST EPHEMERIS for the year 1755

## geocentric

DECEMBER 1755

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♊      | ♋     | ♌      | ♍     | ♎     | ♏     | ♐      | ♑     | ♒      | ♓     | ♈     | ♉     | Day  |
|------|---------|----------|-------|--------|-------|--------|-------|-------|-------|--------|-------|--------|-------|-------|-------|------|
| M 1  | 4 38 1  | 8°32'50  | 2♌24  | 24°R 6 | 16°55 | 17°R46 | 12°53 | 25°34 | 11°25 | 10°R52 | 15°45 | 16°R36 | 15°55 | 21°31 | 7°36  | M 1  |
| T 2  | 4 41 58 | 9°33'46  | 17°29 | 23♌45  | 18°10 | 17°37  | 13° 3 | 25°39 | 11°25 | 10°R52 | 15°48 | 16°27  | 15°51 | 21°38 | 7°41  | T 2  |
| W 3  | 4 45 55 | 10°34'42 | 2°45  | 23°D35 | 19°26 | 17°27  | 13°12 | 25°45 | 11°26 | 10°51  | 15°50 | 16°17  | 15°48 | 21°45 | 7°47  | W 3  |
| T 4  | 4 49 51 | 11°35'40 | 18° 1 | 23°35  | 20°41 | 17°16  | 13°22 | 25°51 | 11°27 | 10°51  | 15°52 | 16° 5  | 15°45 | 21°52 | 7°52  | T 4  |
| F 5  | 4 53 48 | 12°36'39 | 3°3   | 23°46  | 21°57 | 17° 4  | 13°31 | 25°56 | 11°27 | 10°50  | 15°54 | 15°53  | 15°42 | 21°58 | 7°58  | F 5  |
| S 6  | 4 57 44 | 13°37'39 | 17°49 | 24° 6  | 23°12 | 16°52  | 13°41 | 26° 2 | 11°28 | 10°49  | 15°57 | 15°43  | 15°39 | 22° 5 | 8° 3  | S 6  |
| S 7  | 5 1 41  | 14°38'39 | 2°5   | 24°34  | 24°27 | 16°38  | 13°50 | 26° 8 | 11°29 | 10°48  | 15°59 | 15°36  | 15°36 | 22°12 | 8° 9  | S 7  |
| M 8  | 5 5 37  | 15°39'40 | 15°51 | 25°10  | 25°43 | 16°24  | 13°59 | 26°14 | 11°30 | 10°48  | 16° 1 | 15°31  | 15°32 | 22°18 | 8°15  | M 8  |
| T 9  | 5 9 34  | 16°40'41 | 29° 7 | 25°52  | 26°58 | 16° 9  | 14° 8 | 26°20 | 11°31 | 10°47  | 16° 4 | 15°29  | 15°29 | 22°25 | 8°20  | T 9  |
| W10  | 5 13 31 | 17°41'43 | 11°56 | 26°41  | 28°13 | 15°54  | 14°16 | 26°26 | 11°32 | 10°46  | 16° 6 | 15°28  | 15°26 | 22°32 | 8°26  | W10  |
| T 11 | 5 17 27 | 18°42'45 | 24°24 | 27°34  | 29°29 | 15°37  | 14°25 | 26°32 | 11°33 | 10°45  | 16° 8 | 15°28  | 15°23 | 22°39 | 8°32  | T 11 |
| F 12 | 5 21 24 | 19°43'48 | 6°34  | 28°32  | 0°34  | 15°20  | 14°34 | 26°38 | 11°34 | 10°44  | 16°10 | 15°28  | 15°20 | 22°45 | 8°37  | F 12 |
| S 13 | 5 25 20 | 20°44'51 | 18°33 | 29°34  | 1°59  | 15° 2  | 14°42 | 26°45 | 11°35 | 10°43  | 16°13 | 15°25  | 15°16 | 22°52 | 8°43  | S 13 |
| S 14 | 5 29 17 | 21°45'55 | 0°25  | 0°40   | 3°15  | 14°44  | 14°51 | 26°51 | 11°36 | 10°42  | 16°15 | 15°20  | 15°13 | 22°59 | 8°49  | S 14 |
| M15  | 5 33 13 | 22°46'59 | 12°15 | 1°49   | 4°30  | 14°25  | 14°59 | 26°57 | 11°37 | 10°41  | 16°17 | 15°11  | 15°10 | 23° 5 | 8°55  | M15  |
| T 16 | 5 37 10 | 23°48'04 | 24° 6 | 3° 0   | 5°45  | 14° 5  | 15° 7 | 27° 4 | 11°38 | 10°40  | 16°19 | 15° 0  | 15° 7 | 23°12 | 9° 0  | T 16 |
| W17  | 5 41 6  | 24°49'09 | 6°11  | 0      | 4°14  | 7° 1   | 13°45 | 15°15 | 11°40 | 10°39  | 16°22 | 14°47  | 15° 4 | 23°19 | 9° 6  | W17  |
| T 18 | 5 45 3  | 25°50'14 | 18° 0 | 5°30   | 8°16  | 13°24  | 15°23 | 27°16 | 11°41 | 10°38  | 16°24 | 14°32  | 15° 1 | 23°26 | 9°12  | T 18 |
| F 19 | 5 49 0  | 26°51'20 | 0°6   | 6°47   | 9°31  | 13° 2  | 15°30 | 27°23 | 11°42 | 10°37  | 16°26 | 14°18  | 14°57 | 23°32 | 9°18  | F 19 |
| S 20 | 5 52 56 | 27°52'26 | 12°20 | 8° 7   | 10°46 | 12°41  | 15°38 | 27°29 | 11°44 | 10°36  | 16°28 | 14° 5  | 14°54 | 23°39 | 9°24  | S 20 |
| S 21 | 5 56 53 | 28°53'33 | 24°41 | 9°27   | 12° 2 | 12°18  | 15°45 | 27°36 | 11°45 | 10°35  | 16°31 | 13°53  | 14°51 | 23°46 | 9°30  | S 21 |
| M22  | 6 0 49  | 29°54'41 | 7°12  | 10°49  | 13°17 | 11°56  | 15°53 | 27°42 | 11°47 | 10°34  | 16°33 | 13°45  | 14°48 | 23°52 | 9°36  | M22  |
| T 23 | 6 4 46  | 0°55'48  | 19°53 | 12°12  | 14°32 | 11°33  | 16° 0 | 27°49 | 11°48 | 10°32  | 16°35 | 13°40  | 14°45 | 23°59 | 9°41  | T 23 |
| W24  | 6 8 42  | 1°56'57  | 2°14  | 13°36  | 15°48 | 11°10  | 16° 7 | 27°56 | 11°50 | 10°31  | 16°37 | 13°38  | 14°42 | 24° 6 | 9°47  | W24  |
| T 25 | 6 12 39 | 2°58'05  | 15°54 | 15° 1  | 17° 3 | 10°46  | 16°14 | 28° 2 | 11°52 | 10°30  | 16°40 | 13°D37 | 14°38 | 24°13 | 9°53  | T 25 |
| F 26 | 6 16 35 | 3°59'15  | 29°19 | 16°26  | 18°18 | 10°22  | 16°20 | 28° 9 | 11°53 | 10°29  | 16°42 | 13°R38 | 14°35 | 24°19 | 9°59  | F 26 |
| S 27 | 6 20 32 | 5° 0'24  | 13°4  | 17°53  | 19°33 | 9°59   | 16°27 | 28°16 | 11°55 | 10°27  | 16°44 | 13°38  | 14°32 | 24°26 | 10° 5 | S 27 |
| S 28 | 6 24 29 | 6° 1'35  | 27° 9 | 19°20  | 20°49 | 9°35   | 16°33 | 28°22 | 11°57 | 10°26  | 16°46 | 13°36  | 14°29 | 24°33 | 10°11 | S 28 |
| M29  | 6 28 25 | 7° 2'45  | 11°13 | 20°47  | 22° 4 | 9°11   | 16°40 | 28°29 | 11°59 | 10°25  | 16°48 | 13°31  | 14°26 | 24°39 | 10°17 | M29  |
| T 30 | 6 32 22 | 8° 3'56  | 26°18 | 22°15  | 23°19 | 8°47   | 16°46 | 28°36 | 12° 1 | 10°23  | 16°51 | 13°25  | 14°22 | 24°46 | 10°23 | T 30 |
| W31  | 6 36 18 | 9°3'58   | 11°13 | 23°44  | 24°34 | 8°23   | 16°42 | 28°34 | 12° 3 | 10°22  | 16°53 | 13°16  | 14°19 | 24°53 | 10°29 | W31  |

| Day  | ☉     | ☽     |      | ♊     |      | ♋     |      | ♌     |      | ♍    |      | ♎     |      | ♏    |      | ♐     |      | ♑     |      | ♒    | ♓    | ♈     | ♉     | ♊    | ♋    | ♌   |
|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|------|------|-------|-------|------|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl | decl | decl  | decl  | decl | decl | lat |
| M 1  | 21s45 | 8s56  | 3n36 | 16s22 | 2n31 | 23s10 | 0s21 | 24n50 | 2n34 | 3s59 | 1n12 | 21s23 | 0s20 | 8s 1 | 0s47 | 17n32 | 0n 0 | 14s 0 | 8n45 | 5n18 | 5n34 | 13n38 | 17s 1 | 6n15 |      |     |
| T 2  | 21 55 | 12 52 | 4 23 | 16 12 | 2 37 | 23 20 | 0 23 | 24 54 | 2 37 | 4 3  | 1 12 | 21 22 | 0 20 | 8 0  | 0 46 | 17 32 | 0 0  | 14 0  | 8 45 | 5 21 | 5 35 | 13 40 | 17 1  | 6 15 |      |     |
| W 3  | 22 4  | 15 58 | 4 52 | 16 6  | 2 41 | 23 28 | 0 26 | 24 58 | 2 40 | 4 6  | 1 13 | 21 21 | 0 20 | 8 0  | 0 46 | 17 32 | 0 0  | 14 0  | 8 45 | 5 25 | 5 36 | 13 41 | 17 0  | 6 15 |      |     |
| T 4  | 22 12 | 17 57 | 5 0  | 16 4  | 2 43 | 23 36 | 0 28 | 25 3  | 2 43 | 4 10 | 1 13 | 21 20 | 0 20 | 8 0  | 0 46 | 17 32 | 0 0  | 14 1  | 8 45 | 5 30 | 5 38 | 13 42 | 17 0  | 6 14 |      |     |
| F 5  | 22 20 | 18 39 | 4 47 | 16 6  | 2 43 | 23 44 | 0 30 | 25 7  | 2 46 | 4 13 | 1 13 | 21 19 | 0 20 | 7 59 | 0 46 | 17 32 | 0 0  | 14 1  | 8 45 | 5 34 | 5 39 | 13 44 | 17 0  | 6 14 |      |     |
| S 6  | 22 28 | 18 4  | 4 15 | 16 12 | 2 42 | 23 50 | 0 33 | 25 11 | 2 49 | 4 17 | 1 13 | 21 18 | 0 20 | 7 59 | 0 46 | 17 33 | 0 0  | 14 1  | 8 45 | 5 38 | 5 40 | 13 45 | 17 0  | 6 14 |      |     |
| S 7  | 22 35 | 16 21 | 3 28 | 16 21 | 2 40 | 23 56 | 0 35 | 25 16 | 2 51 | 4 20 | 1 13 | 21 17 | 0 20 | 7 59 | 0 46 | 17 33 | 0 0  | 14 2  | 8 45 | 5 41 | 5 41 | 13 46 | 17 0  | 6 14 |      |     |
| M 8  | 22 42 | 13 43 | 2 30 | 16 33 | 2 36 | 24 1  | 0 37 | 25 21 | 2 54 | 4 23 | 1 14 | 21 16 | 0 20 | 7 58 | 0 46 | 17 33 | 0 0  | 14 2  | 8 45 | 5 43 | 5 42 | 13 48 | 17 0  | 6 14 |      |     |
| T 9  | 22 48 | 10 28 | 1 25 | 16 47 | 2 32 | 24 5  | 0 39 | 25 25 | 2 57 | 4 27 | 1 14 | 21 15 | 0 20 | 7 58 | 0 46 | 17 33 | 0 0  | 14 2  | 8 45 | 5 44 | 5 44 | 13 49 | 16 59 | 6 14 |      |     |
| W10  | 22 54 | 6 48  | 0 19 | 17 3  | 2 27 | 24 9  | 0 42 | 25 30 | 3 0  | 4 30 | 1 14 | 21 13 | 0 20 | 7 58 | 0 46 | 17 34 | 0 0  | 14 3  | 8 45 | 5 44 | 5 45 | 13 50 | 16 59 | 6 14 |      |     |
| T 11 | 22 59 | 2 57  | 0s47 | 17 20 | 2 22 | 24 12 | 0 44 | 25 35 | 3 3  | 4 33 | 1 14 | 21 12 | 0 20 | 7 57 | 0 46 | 17 34 | 0 0  | 14 3  | 8 44 | 5 44 | 5 46 | 13 52 | 16 59 | 6 13 |      |     |
| F 12 | 23 4  | 0n56  | 1 49 | 17 39 | 2 16 | 24 14 | 0 46 | 25 39 | 3 5  | 4 36 | 1 14 | 21 11 | 0 20 | 7 57 | 0 46 | 17 34 | 0 0  | 14 3  | 8 44 | 5 44 | 5 47 | 13 53 | 16 59 | 6 13 |      |     |
| S 13 | 23 9  | 4 44  | 2 45 | 17 59 | 2 9  | 24 15 | 0 48 | 25 44 | 3 8  | 4 39 | 1 14 | 21 10 | 0 21 | 7 56 | 0 46 | 17 34 | 0 0  | 14 4  | 8 44 | 5 45 | 5 49 | 13 54 | 16 58 | 6 13 |      |     |
| S 14 | 23 13 | 8 18  | 3 34 | 18 19 | 2 2  | 24 16 | 0 50 | 25 49 | 3 11 | 4 42 | 1 15 | 21 9  | 0 21 | 7 56 | 0 46 | 17 35 | 0 0  | 14 4  | 8 44 | 5 47 | 5 50 | 13 56 | 16 58 | 6 13 |      |     |
| M15  | 23 16 | 11 31 | 4 13 | 18 40 | 1 55 | 24 16 | 0 52 | 25 53 | 3 13 | 4 45 | 1 15 | 21 8  | 0 21 | 7 55 | 0 46 | 17 35 | 0 0  | 14 4  | 8 44 | 5 51 | 5 51 | 13 57 | 16 58 | 6 13 |      |     |
| T 16 | 23 19 | 14 17 | 4 41 | 19 1  | 1 48 | 24 15 | 0 54 | 25 58 | 3 16 | 4 48 | 1 15 | 21 7  | 0 21 | 7 55 | 0 46 | 17 35 | 0 0  | 14 4  | 8 44 | 5 55 | 5 52 | 13 58 | 16 58 | 6 13 |      |     |
| W17  | 23 22 | 16 28 | 4 56 | 19 23 | 1 40 | 24 13 | 0 56 | 26 2  | 3 18 | 4 51 | 1 15 | 21 5  | 0 21 | 7 54 | 0 46 | 17 36 | 0 0  | 14 5  | 8 44 | 6 0  | 5 54 | 14 0  | 16 57 | 6 13 |      |     |
| T 18 | 23 24 | 17 57 | 4 59 | 19 44 | 1 32 | 24 11 | 0 58 | 26 7  | 3 20 | 4 54 | 1 15 | 21 4  | 0 21 | 7 54 | 0 46 | 17 36 | 0 0  | 14 5  | 8 44 | 6 6  | 5 55 | 14 1  | 16 57 | 6 13 |      |     |
| F 19 | 23 26 | 18 39 | 4 49 | 20 5  | 1 24 | 24 8  | 1 0  | 26 11 | 3 23 | 4 57 | 1 16 | 21 3  | 0 21 | 7 53 | 0 46 | 17 36 | 0 0  | 14 5  | 8 44 | 6 11 | 5 56 | 14 2  | 16 57 | 6 13 |      |     |
| S 20 | 23 27 | 18 30 | 4 25 | 20 26 | 1 16 | 24 4  | 1 2  | 26 16 | 3 25 | 5 0  | 1 16 | 21 2  | 0 21 | 7 53 | 0 46 | 17 36 | 0 0  | 14 5  | 8 44 | 6 16 | 5 57 | 14 4  | 16 56 | 6 13 |      |     |
| S 21 | 23 28 | 17 28 | 3 48 | 20 46 | 1 8  | 23 59 | 1 4  | 26 20 | 3 27 | 5 2  | 1 16 | 21 1  | 0 21 | 7 52 | 0 46 | 17 37 | 0 0  | 14 6  | 8 44 | 6 21 | 5 58 | 14 5  | 16 56 | 6 13 |      |     |
| M22  | 23 28 | 15 35 | 3 0  | 21 6  | 1 0  | 23 54 | 1 6  | 26 24 | 3 29 | 5 5  | 1 16 | 20 59 | 0 21 | 7 51 | 0 46 | 17 37 | 0 0  | 14 6  | 8 44 | 6 24 | 6 0  | 14 6  | 16 56 | 6 13 |      |     |
| T 23 | 23 28 | 12 56 | 2 2  | 21 25 | 0 53 | 23 48 | 1 8  | 26 28 | 3 31 | 5 7  | 1 17 | 20 58 | 0 21 | 7 51 | 0 46 | 17 37 | 0 0  | 14 6  | 8 44 | 6 26 | 6 1  | 14 7  | 16 55 | 6 13 |      |     |
| W24  | 23 27 | 9 36  | 0 57 | 21 43 | 0 45 | 23 41 | 1 9  | 26 32 | 3 33 | 5 10 | 1 17 | 20 57 | 0 21 | 7 50 | 0 46 | 17 38 | 0 0  | 14 6  | 8 44 | 6 27 | 6 2  | 14 9  | 16 55 | 6 13 |      |     |
| T 25 | 23 26 | 5 45  | 0n12 | 22 1  | 0 37 | 23 33 | 1 11 | 26 36 | 3 35 | 5 12 | 1 17 | 20 56 | 0 21 | 7 49 | 0 46 | 17 38 | 0 0  | 14 7  | 8 44 | 6 27 | 6 3  | 14 10 | 16 54 | 6 13 |      |     |
| F 26 | 23 24 | 1 32  | 1 22 | 22 18 | 0 29 | 23 25 | 1 13 | 26 40 | 3 37 | 5 15 | 1 17 | 20 54 | 0 21 | 7 49 | 0 46 | 17 38 | 0 0  | 14 7  | 8 44 | 6 27 | 6 5  | 14 11 | 16 54 | 6 13 |      |     |
| S 27 | 23 22 | 2s52  | 2 30 | 22 34 | 0 21 | 23 16 | 1 14 | 26 43 | 3 38 | 5 17 | 1 17 | 20 53 | 0 21 | 7 48 | 0 46 | 17 39 | 0 1  | 14 7  | 8 44 | 6 27 | 6 6  | 14 13 | 16 54 | 6 13 |      |     |
| S 28 | 23 20 | 7 13  | 3 30 | 22 49 | 0 13 | 23 6  | 1 16 | 26 47 | 3 40 | 5 19 | 1 18 | 20 52 | 0 21 | 7 47 | 0 45 | 17 39 | 0 1  | 14 7  | 8 44 | 6 27 | 6 7  | 14 14 | 16 53 | 6 13 |      |     |
| M29  | 23 17 | 11 14 | 4 18 | 23 3  | 0 6  | 22 56 | 1 17 | 26 50 | 3 41 | 5 21 | 1 18 | 20 50 | 0 21 | 7 47 | 0 45 | 17 40 | 0 1  | 14 7  | 8 44 | 6 29 | 6 8  | 14 15 | 16 53 | 6 13 |      |     |
| T 30 | 23 13 | 14 39 | 4 50 | 23 16 | 0s 2 | 22 45 | 1 19 | 26 53 | 3 43 | 5 24 | 1 18 | 20 49 | 0 22 | 7 46 | 0 45 | 17 40 | 0 1  | 14 8  | 8 44 | 6 32 | 6 9  | 14 17 | 16 52 | 6 13 |      |     |
| W31  | 23s 9 | 17s 9 | 5n 3 | 23s28 | 0s 9 | 22s33 | 1s20 | 26n56 | 3n44 | 5s26 | 1n18 | 20s48 | 0s22 | 7s45 | 0s45 | 17n40 | 0n 1 | 14s 8 | 8n44 | 6n35 | 6n11 | 14n18 | 16s52 | 6n13 |      |     |