



SWISS EPHEMERIS for the year 284

MARCH 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                    | ♀                   | ♁                   | ♂                  | ♃                   | ♄                   | ♅                   | ♆                   | ♇                   | ♈                   | ♉                  | ♊                   | ♋    | ♌ | ♍ |
|------|----------|------------------------|----------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------|---|---|
| S 1  | 10 35 17 | 10 <sup>h</sup> 52'34  | 26 <sup>h</sup> 341  | 13 <sup>h</sup> 15  | 6 <sup>h</sup> R57  | 1 <sup>h</sup> 341 | 15 <sup>h</sup> R 5 | 26 <sup>h</sup> 314 | 16 <sup>h</sup> R36 | 11 <sup>h</sup> R29 | 25 <sup>h</sup> 24  | 10 <sup>h</sup> R11 | 11 <sup>h</sup> 35 | 14 <sup>h</sup> 312 | n.a. |   |   |
| S 2  | 10 39 14 | 11 <sup>h</sup> 51'50  | 8 <sup>h</sup> 40    | 14 <sup>h</sup> 9   | 6 <sup>h</sup> Y49  | 2 <sup>h</sup> 23  | 14 <sup>h</sup> 58  | 26 <sup>h</sup> 20  | 16 <sup>h</sup> 34  | 11 <sup>h</sup> 27  | 25 <sup>h</sup> 24  | 10 <sup>h</sup> 5   | 11 <sup>h</sup> 32 | 14 <sup>h</sup> 19  | n.a. |   |   |
| M 3  | 10 43 10 | 12 <sup>h</sup> 51'03  | 20 <sup>h</sup> 48   | 15 <sup>h</sup> 5   | 6 <sup>h</sup> 38   | 3 <sup>h</sup> 5   | 14 <sup>h</sup> 52  | 26 <sup>h</sup> 26  | 16 <sup>h</sup> 32  | 11 <sup>h</sup> 26  | 25 <sup>h</sup> 25  | 10 <sup>h</sup> 1   | 11 <sup>h</sup> 28 | 14 <sup>h</sup> 26  | n.a. |   |   |
| T 4  | 10 47 7  | 13 <sup>h</sup> 50'15  | 3 <sup>h</sup> 6     | 16 <sup>h</sup> 4   | 6 <sup>h</sup> 24   | 3 <sup>h</sup> 47  | 14 <sup>h</sup> 46  | 26 <sup>h</sup> 32  | 16 <sup>h</sup> 29  | 11 <sup>h</sup> 24  | 25 <sup>h</sup> 26  | 9 <sup>h</sup> 56   | 11 <sup>h</sup> 25 | 14 <sup>h</sup> 33  | n.a. |   |   |
| W 5  | 10 51 3  | 14 <sup>h</sup> 49'24  | 15 <sup>h</sup> 35   | 17 <sup>h</sup> 6   | 6 <sup>h</sup> 8    | 4 <sup>h</sup> 29  | 14 <sup>h</sup> 40  | 26 <sup>h</sup> 37  | 16 <sup>h</sup> 27  | 11 <sup>h</sup> 23  | 25 <sup>h</sup> 27  | 9 <sup>h</sup> 53   | 11 <sup>h</sup> 22 | 14 <sup>h</sup> 39  | n.a. |   |   |
| T 6  | 10 55 0  | 15 <sup>h</sup> 48'31  | 28 <sup>h</sup> 16   | 18 <sup>h</sup> 11  | 5 <sup>h</sup> 50   | 5 <sup>h</sup> 12  | 14 <sup>h</sup> 34  | 26 <sup>h</sup> 43  | 16 <sup>h</sup> 25  | 11 <sup>h</sup> 22  | 25 <sup>h</sup> 27  | 9 <sup>h</sup> 52   | 11 <sup>h</sup> 19 | 14 <sup>h</sup> 46  | n.a. |   |   |
| F 7  | 10 58 56 | 16 <sup>h</sup> 47'37  | 11 <sup>h</sup> Y10  | 19 <sup>h</sup> 18  | 5 <sup>h</sup> 29   | 5 <sup>h</sup> 54  | 14 <sup>h</sup> 28  | 26 <sup>h</sup> 48  | 16 <sup>h</sup> 23  | 11 <sup>h</sup> 20  | 25 <sup>h</sup> 28  | 9 <sup>h</sup> D51  | 11 <sup>h</sup> 16 | 14 <sup>h</sup> 53  | n.a. |   |   |
| S 8  | 11 2 53  | 17 <sup>h</sup> 46'39  | 24 <sup>h</sup> 16   | 20 <sup>h</sup> 27  | 5 <sup>h</sup> 6    | 6 <sup>h</sup> 36  | 14 <sup>h</sup> 23  | 26 <sup>h</sup> 54  | 16 <sup>h</sup> 21  | 11 <sup>h</sup> 19  | 25 <sup>h</sup> 28  | 9 <sup>h</sup> 52   | 11 <sup>h</sup> 13 | 15 <sup>h</sup> 0   | n.a. |   |   |
| S 9  | 11 6 50  | 18 <sup>h</sup> 45'40  | 7 <sup>h</sup> 35    | 21 <sup>h</sup> 39  | 4 <sup>h</sup> 41   | 7 <sup>h</sup> 18  | 14 <sup>h</sup> 17  | 26 <sup>h</sup> 59  | 16 <sup>h</sup> 19  | 11 <sup>h</sup> 18  | 25 <sup>h</sup> 29  | 9 <sup>h</sup> 53   | 11 <sup>h</sup> 9  | 15 <sup>h</sup> 6   | n.a. |   |   |
| M10  | 11 10 46 | 19 <sup>h</sup> 44'38  | 21 <sup>h</sup> 7    | 22 <sup>h</sup> 53  | 4 <sup>h</sup> 14   | 8 <sup>h</sup> 0   | 14 <sup>h</sup> 12  | 27 <sup>h</sup> 4   | 16 <sup>h</sup> 17  | 11 <sup>h</sup> 17  | 25 <sup>h</sup> 30  | 9 <sup>h</sup> 54   | 11 <sup>h</sup> 6  | 15 <sup>h</sup> 13  | n.a. |   |   |
| T 11 | 11 14 43 | 20 <sup>h</sup> 43'34  | 4 <sup>h</sup> II53  | 24 <sup>h</sup> 8   | 3 <sup>h</sup> 45   | 8 <sup>h</sup> 43  | 14 <sup>h</sup> 7   | 27 <sup>h</sup> 10  | 16 <sup>h</sup> 15  | 11 <sup>h</sup> 15  | 25 <sup>h</sup> 30  | 9 <sup>h</sup> 56   | 11 <sup>h</sup> 3  | 15 <sup>h</sup> 20  | n.a. |   |   |
| W12  | 11 18 39 | 21 <sup>h</sup> 42'28  | 18 <sup>h</sup> 51   | 25 <sup>h</sup> 26  | 3 <sup>h</sup> 14   | 9 <sup>h</sup> 25  | 14 <sup>h</sup> 2   | 27 <sup>h</sup> 15  | 16 <sup>h</sup> 13  | 11 <sup>h</sup> 14  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> R56  | 11 <sup>h</sup> 0  | 15 <sup>h</sup> 26  | n.a. |   |   |
| T 13 | 11 22 36 | 22 <sup>h</sup> 41'19  | 3 <sup>h</sup> 38    | 26 <sup>h</sup> 46  | 2 <sup>h</sup> 41   | 10 <sup>h</sup> 7  | 13 <sup>h</sup> 57  | 27 <sup>h</sup> 20  | 16 <sup>h</sup> 11  | 11 <sup>h</sup> 13  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> 56   | 10 <sup>h</sup> 57 | 15 <sup>h</sup> 33  | n.a. |   |   |
| F 14 | 11 26 32 | 23 <sup>h</sup> 40'08  | 17 <sup>h</sup> 22   | 28 <sup>h</sup> 8   | 2 <sup>h</sup> 7    | 10 <sup>h</sup> 49 | 13 <sup>h</sup> 52  | 27 <sup>h</sup> 25  | 16 <sup>h</sup> 9   | 11 <sup>h</sup> 12  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> 55   | 10 <sup>h</sup> 53 | 15 <sup>h</sup> 40  | n.a. |   |   |
| S 15 | 11 30 29 | 24 <sup>h</sup> 38'55  | 1 <sup>h</sup> 49    | 29 <sup>h</sup> 31  | 1 <sup>h</sup> 32   | 11 <sup>h</sup> 31 | 13 <sup>h</sup> 48  | 27 <sup>h</sup> 30  | 16 <sup>h</sup> 7   | 11 <sup>h</sup> 11  | 25 <sup>h</sup> 32  | 9 <sup>h</sup> 53   | 10 <sup>h</sup> 50 | 15 <sup>h</sup> 47  | n.a. |   |   |
| S 16 | 11 34 25 | 25 <sup>h</sup> 37'39  | 16 <sup>h</sup> 19   | 0 <sup>h</sup> X56  | 0 <sup>h</sup> 55   | 12 <sup>h</sup> 13 | 13 <sup>h</sup> 44  | 27 <sup>h</sup> 35  | 16 <sup>h</sup> 5   | 11 <sup>h</sup> 10  | 25 <sup>h</sup> 32  | 9 <sup>h</sup> 52   | 10 <sup>h</sup> 47 | 15 <sup>h</sup> 53  | n.a. |   |   |
| M17  | 11 38 22 | 26 <sup>h</sup> 36'20  | 0 <sup>h</sup> 46    | 2 <sup>h</sup> 23   | 0 <sup>h</sup> 18   | 12 <sup>h</sup> 55 | 13 <sup>h</sup> 39  | 27 <sup>h</sup> 40  | 16 <sup>h</sup> 3   | 11 <sup>h</sup> 9   | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 50   | 10 <sup>h</sup> 44 | 16 <sup>h</sup> 0   | n.a. |   |   |
| T 18 | 11 42 19 | 27 <sup>h</sup> 35'00  | 15 <sup>h</sup> 5    | 3 <sup>h</sup> 52   | 29 <sup>h</sup> X40 | 13 <sup>h</sup> 38 | 13 <sup>h</sup> 35  | 27 <sup>h</sup> 45  | 16 <sup>h</sup> 1   | 11 <sup>h</sup> 8   | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 48   | 10 <sup>h</sup> 41 | 16 <sup>h</sup> 7   | n.a. |   |   |
| W19  | 11 46 15 | 28 <sup>h</sup> 33'37  | 29 <sup>h</sup> 10   | 5 <sup>h</sup> 23   | 29 <sup>h</sup> 2   | 14 <sup>h</sup> 20 | 13 <sup>h</sup> 31  | 27 <sup>h</sup> 49  | 16 <sup>h</sup> 0   | 11 <sup>h</sup> 7   | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 48   | 10 <sup>h</sup> 38 | 16 <sup>h</sup> 13  | n.a. |   |   |
| T 20 | 11 50 12 | 29 <sup>h</sup> 32'13  | 12 <sup>h</sup> 58   | 6 <sup>h</sup> 55   | 28 <sup>h</sup> 24  | 15 <sup>h</sup> 2  | 13 <sup>h</sup> 28  | 27 <sup>h</sup> 54  | 15 <sup>h</sup> 58  | 11 <sup>h</sup> 6   | 25 <sup>h</sup> 33  | 9 <sup>h</sup> D48  | 10 <sup>h</sup> 34 | 16 <sup>h</sup> 20  | n.a. |   |   |
| F 21 | 11 54 8  | 0 <sup>h</sup> Y30'46  | 26 <sup>h</sup> 26   | 8 <sup>h</sup> 29   | 27 <sup>h</sup> 46  | 15 <sup>h</sup> 44 | 13 <sup>h</sup> 24  | 27 <sup>h</sup> 59  | 15 <sup>h</sup> 56  | 11 <sup>h</sup> 5   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 48   | 10 <sup>h</sup> 31 | 16 <sup>h</sup> 27  | n.a. |   |   |
| S 22 | 11 58 5  | 1 <sup>h</sup> 29'18   | 9 <sup>h</sup> III32 | 10 <sup>h</sup> 4   | 27 <sup>h</sup> 9   | 16 <sup>h</sup> 26 | 13 <sup>h</sup> 21  | 28 <sup>h</sup> 3   | 15 <sup>h</sup> 55  | 11 <sup>h</sup> 4   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 49   | 10 <sup>h</sup> 28 | 16 <sup>h</sup> 34  | n.a. |   |   |
| S 23 | 12 2 1   | 2 <sup>h</sup> 27'48   | 22 <sup>h</sup> 19   | 11 <sup>h</sup> 42  | 26 <sup>h</sup> 32  | 17 <sup>h</sup> 8  | 13 <sup>h</sup> 18  | 28 <sup>h</sup> 8   | 15 <sup>h</sup> 53  | 11 <sup>h</sup> 3   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 49   | 10 <sup>h</sup> 25 | 16 <sup>h</sup> 40  | n.a. |   |   |
| M24  | 12 5 58  | 3 <sup>h</sup> 26'16   | 4 <sup>h</sup> X47   | 13 <sup>h</sup> 21  | 25 <sup>h</sup> 56  | 17 <sup>h</sup> 50 | 13 <sup>h</sup> 15  | 28 <sup>h</sup> 12  | 15 <sup>h</sup> 52  | 11 <sup>h</sup> 2   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 50   | 10 <sup>h</sup> 22 | 16 <sup>h</sup> 47  | n.a. |   |   |
| T 25 | 12 9 54  | 4 <sup>h</sup> 24'42   | 16 <sup>h</sup> 59   | 15 <sup>h</sup> 1   | 25 <sup>h</sup> 21  | 18 <sup>h</sup> 32 | 13 <sup>h</sup> 12  | 28 <sup>h</sup> 16  | 15 <sup>h</sup> 50  | 11 <sup>h</sup> 1   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 51   | 10 <sup>h</sup> 18 | 16 <sup>h</sup> 54  | n.a. |   |   |
| W26  | 12 13 51 | 5 <sup>h</sup> 23'07   | 29 <sup>h</sup> 1    | 16 <sup>h</sup> 43  | 24 <sup>h</sup> 48  | 19 <sup>h</sup> 14 | 13 <sup>h</sup> 9   | 28 <sup>h</sup> 20  | 15 <sup>h</sup> 49  | 11 <sup>h</sup> 0   | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 51   | 10 <sup>h</sup> 15 | 17 <sup>h</sup> 1   | n.a. |   |   |
| T 27 | 12 17 47 | 6 <sup>h</sup> 21'30   | 10 <sup>h</sup> 36   | 18 <sup>h</sup> 27  | 24 <sup>h</sup> 16  | 19 <sup>h</sup> 56 | 13 <sup>h</sup> 7   | 28 <sup>h</sup> 25  | 15 <sup>h</sup> 47  | 10 <sup>h</sup> 59  | 25 <sup>h</sup> R34 | 9 <sup>h</sup> R51  | 10 <sup>h</sup> 12 | 17 <sup>h</sup> 7   | n.a. |   |   |
| F 28 | 12 21 44 | 7 <sup>h</sup> 19'51   | 22 <sup>h</sup> 49   | 20 <sup>h</sup> 13  | 23 <sup>h</sup> 47  | 20 <sup>h</sup> 38 | 13 <sup>h</sup> 5   | 28 <sup>h</sup> 29  | 15 <sup>h</sup> 46  | 10 <sup>h</sup> 59  | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 51   | 10 <sup>h</sup> 9  | 17 <sup>h</sup> 14  | n.a. |   |   |
| S 29 | 12 25 41 | 8 <sup>h</sup> 18'11   | 4 <sup>h</sup> 44    | 22 <sup>h</sup> 0   | 23 <sup>h</sup> 19  | 21 <sup>h</sup> 20 | 13 <sup>h</sup> 3   | 28 <sup>h</sup> 33  | 15 <sup>h</sup> 45  | 10 <sup>h</sup> 58  | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 51   | 10 <sup>h</sup> 6  | 17 <sup>h</sup> 21  | n.a. |   |   |
| S 30 | 12 29 37 | 9 <sup>h</sup> 16'29   | 16 <sup>h</sup> 46   | 23 <sup>h</sup> 49  | 22 <sup>h</sup> 53  | 22 <sup>h</sup> 2  | 13 <sup>h</sup> 1   | 28 <sup>h</sup> 36  | 15 <sup>h</sup> 44  | 10 <sup>h</sup> 57  | 25 <sup>h</sup> 34  | 9 <sup>h</sup> 50   | 10 <sup>h</sup> 3  | 17 <sup>h</sup> 27  | n.a. |   |   |
| M31  | 12 33 34 | 10 <sup>h</sup> Y14'46 | 28 <sup>h</sup> 59   | 25 <sup>h</sup> X40 | 22 <sup>h</sup> X29 | 22 <sup>h</sup> 34 | 12 <sup>h</sup> 59  | 28 <sup>h</sup> 40  | 15 <sup>h</sup> 42  | 10 <sup>h</sup> 56  | 25 <sup>h</sup> X34 | 9 <sup>h</sup> D50  | 9 <sup>h</sup> 59  | 17 <sup>h</sup> 34  | n.a. |   |   |

Delta T = 02h09m51s Julian Calendar 1 March 284 == Greg. Calendar 1 March 284

APRIL 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                   | ♀                   | ♁                   | ♂                   | ♃                   | ♄                   | ♅                   | ♆                   | ♇                   | ♈                  | ♉                 | ♊                   | ♋    | ♌ | ♍ |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-------------------|---------------------|------|---|---|
| T 1  | 12 37 30 | 11 <sup>h</sup> Y13'00 | 11 <sup>h</sup> X25 | 27 <sup>h</sup> X32 | 22 <sup>h</sup> R 7 | 23 <sup>h</sup> 326 | 12 <sup>h</sup> R57 | 28 <sup>h</sup> 344 | 15 <sup>h</sup> R41 | 10 <sup>h</sup> R56 | 25 <sup>h</sup> R34 | 9 <sup>h</sup> 51  | 9 <sup>h</sup> 56 | 17 <sup>h</sup> 341 | n.a. |   |   |
| W 2  | 12 41 27 | 12 <sup>h</sup> 11'13  | 24 <sup>h</sup> 7   | 29 <sup>h</sup> 26  | 21 <sup>h</sup> X48 | 24 <sup>h</sup> 8   | 12 <sup>h</sup> 56  | 28 <sup>h</sup> 48  | 15 <sup>h</sup> 40  | 10 <sup>h</sup> 55  | 25 <sup>h</sup> X34 | 9 <sup>h</sup> 51  | 9 <sup>h</sup> 53 | 17 <sup>h</sup> 48  | n.a. |   |   |
| T 3  | 12 45 23 | 13 <sup>h</sup> 9'24   | 7 <sup>h</sup> Y 5  | 1 <sup>h</sup> Y22  | 21 <sup>h</sup> 31  | 24 <sup>h</sup> 50  | 12 <sup>h</sup> 55  | 28 <sup>h</sup> 51  | 15 <sup>h</sup> 39  | 10 <sup>h</sup> 54  | 25 <sup>h</sup> 34  | 9 <sup>h</sup> R51 | 9 <sup>h</sup> 50 | 17 <sup>h</sup> 54  | n.a. |   |   |
| F 4  | 12 49 20 | 14 <sup>h</sup> 7'34   | 20 <sup>h</sup> 20  | 3 <sup>h</sup> 20   | 21 <sup>h</sup> 16  | 25 <sup>h</sup> 32  | 12 <sup>h</sup> 54  | 28 <sup>h</sup> 55  | 15 <sup>h</sup> 38  | 10 <sup>h</sup> 54  | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 51  | 9 <sup>h</sup> 47 | 18 <sup>h</sup> 1   | n.a. |   |   |
| S 5  | 12 53 16 | 15 <sup>h</sup> 5'41   | 3 <sup>h</sup> X52  | 5 <sup>h</sup> 19   | 21 <sup>h</sup> 4   | 26 <sup>h</sup> 14  | 12 <sup>h</sup> 53  | 28 <sup>h</sup> 58  | 15 <sup>h</sup> 37  | 10 <sup>h</sup> 53  | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 50  | 9 <sup>h</sup> 44 | 18 <sup>h</sup> 8   | n.a. |   |   |
| S 6  | 12 57 13 | 16 <sup>h</sup> 3'47   | 17 <sup>h</sup> 37  | 7 <sup>h</sup> 19   | 20 <sup>h</sup> 54  | 26 <sup>h</sup> 56  | 12 <sup>h</sup> 52  | 29 <sup>h</sup> 1   | 15 <sup>h</sup> 36  | 10 <sup>h</sup> 53  | 25 <sup>h</sup> 33  | 9 <sup>h</sup> 50  | 9 <sup>h</sup> 40 | 18 <sup>h</sup> 14  | n.a. |   |   |
| M 7  | 13 1 10  | 17 <sup>h</sup> 1'51   | 1 <sup>h</sup> II34 | 9 <sup>h</sup> 22   | 20 <sup>h</sup> 47  | 27 <sup>h</sup> 37  | 12 <sup>h</sup> 52  | 29 <sup>h</sup> 4   | 15 <sup>h</sup> 35  | 10 <sup>h</sup> 52  | 25 <sup>h</sup> 32  | 9 <sup>h</sup> 49  | 9 <sup>h</sup> 37 | 18 <sup>h</sup> 21  | n.a. |   |   |
| T 8  | 13 5 6   | 17 <sup>h</sup> 59'53  | 15 <sup>h</sup> 39  | 11 <sup>h</sup> 25  | 20 <sup>h</sup> 42  | 28 <sup>h</sup> 19  | 12 <sup>h</sup> 52  | 29 <sup>h</sup> 8   | 15 <sup>h</sup> 35  | 10 <sup>h</sup> 52  | 25 <sup>h</sup> 32  | 9 <sup>h</sup> 48  | 9 <sup>h</sup> 34 | 18 <sup>h</sup> 28  | n.a. |   |   |
| W 9  | 13 9 3   | 18 <sup>h</sup> 57'53  | 29 <sup>h</sup> 50  | 13 <sup>h</sup> 31  | 20 <sup>h</sup> 39  | 29 <sup>h</sup> 1   | 12 <sup>h</sup> D52 | 29 <sup>h</sup> 11  | 15 <sup>h</sup> 34  | 10 <sup>h</sup> 51  | 25 <sup>h</sup> 32  | 9 <sup>h</sup> 47  | 9 <sup>h</sup> 31 | 18 <sup>h</sup> 35  | n.a. |   |   |
| T 10 | 13 12 59 | 19 <sup>h</sup> 55'52  | 14 <sup>h</sup> 5   | 15 <sup>h</sup> 37  | 20 <sup>h</sup> D39 | 29 <sup>h</sup> 42  | 12 <sup>h</sup> 52  | 29 <sup>h</sup> 14  | 15 <sup>h</sup> 33  | 10 <sup>h</sup> 51  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> D47 | 9 <sup>h</sup> 28 | 18 <sup>h</sup> 41  | n.a. |   |   |
| F 11 | 13 16 56 | 20 <sup>h</sup> 53'48  | 28 <sup>h</sup> 18  | 17 <sup>h</sup> 45  | 20 <sup>h</sup> 41  | 0 <sup>h</sup> X24  | 12 <sup>h</sup> 52  | 29 <sup>h</sup> 16  | 15 <sup>h</sup> 32  | 10 <sup>h</sup> 51  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> 47  | 9 <sup>h</sup> 24 | 18 <sup>h</sup> 48  | n.a. |   |   |
| S 12 | 13 20 52 | 21 <sup>h</sup> 51'42  | 12 <sup>h</sup> 29  | 19 <sup>h</sup> 53  | 20 <sup>h</sup> 46  | 1 <sup>h</sup> 6    | 12 <sup>h</sup> 53  | 29 <sup>h</sup> 19  | 15 <sup>h</sup> 32  | 10 <sup>h</sup> 50  | 25 <sup>h</sup> 31  | 9 <sup>h</sup> 48  | 9 <sup>h</sup> 21 | 18 <sup>h</sup> 55  | n.a. |   |   |
| S 13 | 13 24 49 | 22 <sup>h</sup> 49'34  | 26 <sup>h</sup> 36  | 22 <sup>h</sup> 3   | 20 <sup>h</sup> 52  | 1 <sup>h</sup> 47   | 12 <sup>h</sup> 53  | 29 <sup>h</sup> 22  | 15 <sup>h</sup> 31  | 10 <sup>h</sup> 50  | 25 <sup>h</sup> 30  | 9 <sup>h</sup> 49  | 9 <sup>h</sup> 18 | 19 <sup>h</sup> 2   | n.a. |   |   |
| M14  | 13 28 45 | 23 <sup>h</sup> 47'25  | 10 <sup>h</sup> 46  | 24 <sup>h</sup> 13  | 21 <sup>h</sup> 1   | 2 <sup>h</sup> 29   | 12 <sup>h</sup> 54  | 29 <sup>h</sup> 24  | 15 <sup>h</sup> 31  | 10 <sup>h</sup> 50  | 25 <sup>h</sup> 30  | 9 <sup>h</sup> 50  | 9 <sup>h</sup> 15 | 19 <sup>h</sup> 8   | n.a. |   |   |
| T 15 | 13 32 42 | 24 <sup>h</sup> 45'13  | 24 <sup>h</sup> 25  | 26 <sup>h</sup> 24  | 21 <sup>h</sup> 12  | 3 <sup>h</sup> 10   | 12 <sup>h</sup> 55  | 29 <sup>h</sup> 27  | 15 <sup>h</sup> 30  | 10 <sup>h</sup> 50  | 25 <sup>h</sup> 29  | 9 <sup>h</sup> 50  | 9 <sup>h</sup> 12 | 19 <sup>h</sup> 15  | n.a. |   |   |
| W16  | 13 36 39 | 25 <sup>h</sup> 43'00  | 8 <sup>h</sup> 5    | 28 <sup>h</sup> 34  | 21 <sup>h</sup> 25  | 3 <sup>h</sup> 51   | 12 <sup>h</sup> 56  | 29 <sup>h</sup> 29  | 15 <sup>h</sup> 30  | 10 <sup>h</sup> 49  | 25 <sup>h</sup> 29  | 9 <sup>h</sup> R51 | 9 <sup>h</sup> 9  | 19 <sup>h</sup> 22  | n.a. |   |   |
| T 17 | 13 40 35 | 26 <sup>h</sup> 40'45  | 21 <sup>h</sup> 30  | 0 <sup>h</sup> X45  | 21 <sup>h</sup> 40  | 4 <sup>h</sup> 33   | 12 <sup>h</sup> 58  | 29 <sup>h</sup> 32  | 15 <sup>h</sup> 30  | 10 <sup>h</sup> 49  | 25 <sup>h</sup> 28  | 9 <sup>h</sup> 51  | 9 <sup>h</sup> 5  | 19 <sup>h</sup> 28  | n.a. |   |   |
| F 18 | 13 44 32 | 27 <sup>h</sup> 38'29  | 4 <sup>h</sup> 41   | 2 <sup>h</sup> 55   | 21 <sup>h</sup> 58  | 5 <sup>h</sup> 14   | 12 <sup>h</sup> 59  | 29 <sup>h</sup> 34  | 15 <sup>h</sup> 29  | 10 <sup>h</sup> 49  | 25 <sup>h</sup> 27  |                    |                   |                     |      |   |   |

SWISS EPHEMERIS for the year 284

MAY 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♂     | ♂     | ♂     | ♂      | ♂     | ♂     | ♂      | ♂     | ♂    | ♂     | ♂    |
|------|----------|----------|-------|--------|-------|-------|-------|--------|-------|-------|--------|-------|------|-------|------|
| T 1  | 14 35 47 | 10♈ 7'10 | 15♃24 | 28♄36  | 28♁10 | 14♂ 6 | 13♁36 | 29♂54  | 15♁31 | 10♁50 | 25°R17 | 9°R38 | 8♁21 | 21♂ 3 | n.a. |
| F 2  | 14 39 43 | 11° 4'38 | 28°57 | 0♁17   | 28°48 | 14°47 | 13°40 | 29°55  | 15°31 | 10°51 | 25♁16  | 9♁37  | 8°18 | 21° 9 | n.a. |
| S 3  | 14 43 40 | 12° 2'06 | 12♄51 | 1°56   | 29°27 | 15°27 | 13°44 | 29°56  | 15°32 | 10°51 | 25°15  | 9°34  | 8°15 | 21°16 | n.a. |
| S 4  | 14 47 36 | 12°59'32 | 27° 3 | 3°31   | 0♃ 8  | 16° 7 | 13°48 | 29°56  | 15°32 | 10°52 | 25°14  | 9°30  | 8°11 | 21°23 | n.a. |
| M 5  | 14 51 33 | 13°56'57 | 11♁28 | 5° 4   | 0°49  | 16°48 | 13°52 | 29°57  | 15°33 | 10°52 | 25°13  | 9°25  | 8° 8 | 21°29 | n.a. |
| T 6  | 14 55 30 | 14°54'21 | 25°59 | 6°33   | 1°31  | 17°28 | 13°57 | 29°57  | 15°33 | 10°52 | 25°12  | 9°20  | 8° 5 | 21°36 | n.a. |
| W 7  | 14 59 26 | 15°51'44 | 10♁32 | 7°59   | 2°15  | 18° 8 | 14° 2 | 29°58  | 15°34 | 10°53 | 25°11  | 9°16  | 8° 2 | 21°43 | n.a. |
| T 8  | 15 3 23  | 16°49'06 | 25° 0 | 9°23   | 2°59  | 18°48 | 14° 7 | 29°58  | 15°35 | 10°53 | 25°10  | 9°12  | 7°59 | 21°50 | n.a. |
| F 9  | 15 7 19  | 17°46'26 | 9♁18  | 10°43  | 3°44  | 19°28 | 14°12 | 29°58  | 15°36 | 10°54 | 25° 9  | 9°11  | 7°55 | 21°56 | n.a. |
| S 10 | 15 11 16 | 18°43'46 | 23°25 | 12° 0  | 4°30  | 20° 7 | 14°17 | 29°R58 | 15°37 | 10°55 | 25° 8  | 9°D10 | 7°52 | 22° 3 | n.a. |
| S 11 | 15 15 12 | 19°41'04 | 7♁18  | 13°14  | 5°17  | 20°47 | 14°22 | 29°58  | 15°38 | 10°55 | 25° 7  | 9°11  | 7°49 | 22°10 | n.a. |
| M12  | 15 19 9  | 20°38'21 | 20°58 | 14°24  | 6° 4  | 21°26 | 14°28 | 29°58  | 15°39 | 10°56 | 25° 6  | 9°13  | 7°46 | 22°16 | n.a. |
| T 13 | 15 23 5  | 21°35'37 | 4♁25  | 15°31  | 6°53  | 22° 6 | 14°34 | 29°58  | 15°40 | 10°56 | 25° 5  | 9°R14 | 7°43 | 22°23 | n.a. |
| W14  | 15 27 2  | 22°32'51 | 17°40 | 16°35  | 7°42  | 22°45 | 14°39 | 29°58  | 15°41 | 10°57 | 25° 4  | 9°13  | 7°40 | 22°30 | n.a. |
| T 15 | 15 30 59 | 23°30'05 | 0♁42  | 17°35  | 8°31  | 23°24 | 14°45 | 29°57  | 15°42 | 10°58 | 25° 2  | 9°11  | 7°36 | 22°37 | n.a. |
| F 16 | 15 34 55 | 24°27'19 | 13°33 | 18°32  | 9°22  | 24° 4 | 14°51 | 29°57  | 15°43 | 10°59 | 25° 1  | 9° 7  | 7°33 | 22°43 | n.a. |
| S 17 | 15 38 52 | 25°24'31 | 26°12 | 19°25  | 10°13 | 24°43 | 14°58 | 29°56  | 15°44 | 11° 0 | 25° 0  | 9° 1  | 7°30 | 22°50 | n.a. |
| S 18 | 15 42 48 | 26°21'43 | 8♁39  | 20°15  | 11° 4 | 25°21 | 15° 4 | 29°55  | 15°46 | 11° 0 | 24°59  | 8°54  | 7°27 | 22°57 | n.a. |
| M19  | 15 46 45 | 27°18'55 | 20°56 | 21° 0  | 11°57 | 26° 0 | 15°11 | 29°55  | 15°47 | 11° 1 | 24°57  | 8°45  | 7°24 | 23° 3 | n.a. |
| T 20 | 15 50 41 | 28°16'06 | 3♂ 3  | 21°42  | 12°49 | 26°39 | 15°17 | 29°54  | 15°48 | 11° 2 | 24°56  | 8°36  | 7°21 | 23°10 | n.a. |
| W21  | 15 54 38 | 29°13'16 | 15° 2 | 22°20  | 13°43 | 27°17 | 15°24 | 29°53  | 15°50 | 11° 3 | 24°55  | 8°28  | 7°17 | 23°17 | n.a. |
| T 22 | 15 58 34 | 0♁10'27  | 26°56 | 22°54  | 14°37 | 27°56 | 15°31 | 29°52  | 15°51 | 11° 4 | 24°54  | 8°21  | 7°14 | 23°24 | n.a. |
| F 23 | 16 2 31  | 1° 7'37  | 8♁48  | 23°23  | 15°31 | 28°34 | 15°38 | 29°50  | 15°53 | 11° 5 | 24°52  | 8°17  | 7°11 | 23°30 | n.a. |
| S 24 | 16 6 28  | 2° 4'47  | 20°41 | 23°48  | 16°26 | 29°12 | 15°45 | 29°49  | 15°54 | 11° 6 | 24°51  | 8°14  | 7° 8 | 23°37 | n.a. |
| S 25 | 16 10 24 | 3° 1'56  | 2♁42  | 24° 9  | 17°22 | 29°50 | 15°52 | 29°48  | 15°56 | 11° 7 | 24°50  | 8°D13 | 7° 5 | 23°44 | n.a. |
| M26  | 16 14 21 | 3°59'06  | 14°54 | 24°25  | 18°18 | 0♁28  | 16° 0 | 29°46  | 15°58 | 11° 8 | 24°48  | 8°14  | 7° 1 | 23°50 | n.a. |
| T 27 | 16 18 17 | 4°56'15  | 27°23 | 24°37  | 19°14 | 1° 5  | 16° 7 | 29°45  | 16° 0 | 11° 9 | 24°47  | 8°15  | 6°58 | 23°57 | n.a. |
| W28  | 16 22 14 | 5°53'25  | 10♃13 | 24°44  | 20°11 | 1°43  | 16°15 | 29°43  | 16° 1 | 11°10 | 24°45  | 8°R15 | 6°55 | 24° 4 | n.a. |
| T 29 | 16 26 10 | 6°50'34  | 23°28 | 24°R47 | 21° 8 | 2°20  | 16°23 | 29°41  | 16° 3 | 11°11 | 24°44  | 8°14  | 6°52 | 24°11 | n.a. |
| F 30 | 16 30 7  | 7°47'44  | 7♂ 9  | 24°45  | 22° 6 | 2°57  | 16°31 | 29°39  | 16° 5 | 11°13 | 24°43  | 8°11  | 6°49 | 24°17 | n.a. |
| S 31 | 16 34 3  | 8♁44'53  | 21♁18 | 24♁39  | 23♃ 4 | 3♁34  | 16♁39 | 29♂38  | 16♁ 7 | 11♁14 | 24♁41  | 8♁ 5  | 6♁46 | 24♂24 | n.a. |

Delta T = 02h09m49s Julian Calendar 1 May 284 == Greg. Calendar 1 May 284

JUNE 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♂     | ♂     | ♂     | ♂      | ♂     | ♂     | ♂      | ♂     | ♂    | ♂     | ♂    |
|------|----------|----------|-------|--------|-------|-------|-------|--------|-------|-------|--------|-------|------|-------|------|
| S 1  | 16 38 0  | 9♁42'03  | 5♁49  | 24°R28 | 24♃ 3 | 4♁11  | 16♁47 | 29°R36 | 16♁ 9 | 11♁15 | 24°R40 | 7°R58 | 6♁42 | 24♂31 | n.a. |
| M 2  | 16 41 57 | 10°39'12 | 20°37 | 24♁13  | 25° 2 | 4°48  | 16°55 | 29♂33  | 16°11 | 11°16 | 24♁38  | 7♁49  | 6°39 | 24°38 | n.a. |
| T 3  | 16 45 53 | 11°36'21 | 5♁34  | 23°54  | 26° 1 | 5°24  | 17° 4 | 29°31  | 16°13 | 11°18 | 24°37  | 7°39  | 6°36 | 24°44 | n.a. |
| W 4  | 16 49 50 | 12°33'30 | 20°31 | 23°31  | 27° 0 | 6° 0  | 17°12 | 29°29  | 16°15 | 11°19 | 24°36  | 7°31  | 6°33 | 24°51 | n.a. |
| T 5  | 16 53 46 | 13°30'39 | 5♁18  | 23° 4  | 28° 0 | 6°36  | 17°21 | 29°27  | 16°17 | 11°20 | 24°34  | 7°24  | 6°30 | 24°58 | n.a. |
| F 6  | 16 57 43 | 14°27'47 | 19°50 | 22°34  | 29° 1 | 7°12  | 17°30 | 29°24  | 16°19 | 11°22 | 24°33  | 7°20  | 6°27 | 25° 4 | n.a. |
| S 7  | 17 1 39  | 15°24'55 | 4♁ 2  | 22° 2  | 0♂ 1  | 7°48  | 17°38 | 29°22  | 16°22 | 11°23 | 24°31  | 7°17  | 6°23 | 25°11 | n.a. |
| S 8  | 17 5 36  | 16°22'03 | 17°53 | 21°28  | 1° 2  | 8°23  | 17°47 | 29°19  | 16°24 | 11°25 | 24°30  | 7°D17 | 6°20 | 25°18 | n.a. |
| M 9  | 17 9 32  | 17°19'11 | 1♁25  | 20°51  | 2° 3  | 8°58  | 17°56 | 29°16  | 16°26 | 11°26 | 24°28  | 7°R17 | 6°17 | 25°25 | n.a. |
| T 10 | 17 13 29 | 18°16'18 | 14°38 | 20°14  | 3° 4  | 9°33  | 18° 6 | 29°14  | 16°29 | 11°27 | 24°27  | 7°17  | 6°14 | 25°31 | n.a. |
| W11  | 17 17 26 | 19°13'26 | 27°35 | 19°36  | 4° 6  | 10° 8 | 18°15 | 29°11  | 16°31 | 11°29 | 24°25  | 7°16  | 6°11 | 25°38 | n.a. |
| T 12 | 17 21 22 | 20°10'33 | 10♁20 | 18°59  | 5° 8  | 10°42 | 18°24 | 29° 8  | 16°33 | 11°30 | 24°24  | 7°12  | 6° 7 | 25°45 | n.a. |
| F 13 | 17 25 19 | 21° 7'41 | 22°53 | 18°23  | 6°10  | 11°16 | 18°34 | 29° 5  | 16°36 | 11°32 | 24°23  | 7° 5  | 6° 4 | 25°51 | n.a. |
| S 14 | 17 29 15 | 22° 4'49 | 5♁16  | 17°47  | 7°13  | 11°50 | 18°43 | 29° 2  | 16°38 | 11°34 | 24°21  | 6°56  | 6° 1 | 25°58 | n.a. |
| S 15 | 17 33 12 | 23° 1'57 | 17°30 | 17°15  | 8°16  | 12°24 | 18°53 | 28°59  | 16°41 | 11°35 | 24°20  | 6°44  | 5°58 | 26° 5 | n.a. |
| M16  | 17 37 8  | 23°59'05 | 29°37 | 16°44  | 9°19  | 12°58 | 19° 3 | 28°55  | 16°44 | 11°37 | 24°18  | 6°31  | 5°55 | 26°12 | n.a. |
| T 17 | 17 41 5  | 24°56'14 | 11♂37 | 16°18  | 10°22 | 13°31 | 19°12 | 28°52  | 16°46 | 11°38 | 24°17  | 6°18  | 5°52 | 26°18 | n.a. |
| W18  | 17 45 1  | 25°53'23 | 23°33 | 15°54  | 11°25 | 14° 4 | 19°22 | 28°49  | 16°49 | 11°40 | 24°15  | 6° 6  | 5°48 | 26°25 | n.a. |
| T 19 | 17 48 58 | 26°50'32 | 5♁24  | 15°36  | 12°29 | 14°37 | 19°32 | 28°45  | 16°52 | 11°42 | 24°14  | 5°55  | 5°45 | 26°32 | n.a. |
| F 20 | 17 52 55 | 27°47'43 | 17°15 | 15°21  | 13°33 | 15° 9 | 19°42 | 28°42  | 16°54 | 11°43 | 24°12  | 5°47  | 5°42 | 26°38 | n.a. |
| S 21 | 17 56 51 | 28°44'54 | 29° 7 | 15°12  | 14°37 | 15°41 | 19°53 | 28°38  | 16°57 | 11°45 | 24°11  | 5°42  | 5°39 | 26°45 | n.a. |
| S 22 | 18 0 48  | 29°42'05 | 11♁ 6 | 15°D 8 | 15°42 | 16°13 | 20° 3 | 28°35  | 17° 0 | 11°47 | 24° 9  | 5°39  | 5°36 | 26°52 | n.a. |
| M23  | 18 4 44  | 0♁39'18  | 23°17 | 15° 9  | 16°46 | 16°45 | 20°13 | 28°31  | 17° 3 | 11°49 | 24° 8  | 5°38  | 5°33 | 26°59 | n.a. |
| T 24 | 18 8 41  | 1°36'31  | 5♃42  | 15°16  | 17°51 | 17°16 | 20°24 | 28°27  | 17° 6 | 11°50 | 24° 6  | 5°38  | 5°29 | 27° 5 | n.a. |
| W25  | 18 12 37 | 2°33'45  | 18°29 | 15°29  | 18°56 | 17°47 | 20°34 | 28°23  | 17° 8 | 11°52 | 24° 5  | 5°37  | 5°26 | 27°12 | n.a. |
| T 26 | 18 16 34 | 3°31'00  | 1♁42  | 15°47  | 20° 1 | 18°17 | 20°45 | 28°20  | 17°11 | 11°54 | 24° 3  | 5°36  | 5°23 | 27°19 | n.a. |
| F 27 | 18 20 30 | 4°28'17  | 15°23 | 16°11  | 21° 7 | 18°47 | 20°55 | 28°16  | 17°14 | 11°56 | 24° 2  | 5°32  | 5°20 | 27°25 | n.a. |
| S 28 | 18 24 27 | 5°25'34  | 29°34 | 16°41  | 22°12 | 19°17 | 21° 6 | 28°12  | 17°17 | 11°58 | 24° 0  | 5°26  | 5°17 | 27°32 | n.a. |
| S 29 | 18 28 24 | 6°22'52  | 14♁12 | 17°17  | 23°18 | 19°47 | 21°17 | 28° 8  | 17°20 | 12° 0 | 23°59  | 5°17  | 5°13 | 27°39 | n.a. |
| M30  | 18 32 20 | 7♁20'11  | 29♁11 | 17♁59  | 24♁24 | 20♁16 | 21♁28 | 28♂ 4  | 17♁23 | 12♁ 2 | 23♁58  | 5♁ 6  | 5♁10 | 27♂46 | n.a. |

Delta T = 02h09m48s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 284

JULY 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄      | ♅     | ♆     | ♇      | ♁     | ♂    | ♀     | ♁    |
|------|----------|----------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|------|-------|------|
| T 1  | 18 36 17 | 8♄17'31  | 14♄24 | 18♂46 | 25♂30 | 20♂45 | 21♂39 | 28°R 0 | 17♂27 | 12♂ 3 | 23°R56 | 4°R56 | 5♂ 7 | 27♂52 | n.a. |
| W 2  | 18 40 13 | 9°14'52  | 29°38 | 19°39 | 26°37 | 21°13 | 21°50 | 27♂56  | 17°30 | 12° 5 | 23♂55  | 4♂45  | 5° 4 | 27°59 | n.a. |
| T 3  | 18 44 10 | 10°12'14 | 14♂43 | 20°38 | 27°43 | 21°41 | 22° 1 | 27°51  | 17°33 | 12° 7 | 23°53  | 4°37  | 5° 1 | 28° 6 | n.a. |
| F 4  | 18 48 6  | 11° 9'36 | 29°30 | 21°42 | 28°50 | 22° 9 | 22°12 | 27°47  | 17°36 | 12° 9 | 23°52  | 4°31  | 4°58 | 28°12 | n.a. |
| S 5  | 18 52 3  | 12° 6'59 | 13♂54 | 22°51 | 29°56 | 22°36 | 22°24 | 27°43  | 17°39 | 12°11 | 23°51  | 4°28  | 4°54 | 28°19 | n.a. |
| S 6  | 18 56 0  | 13° 4'22 | 27°52 | 24° 6 | 1♂ 3  | 23° 2 | 22°35 | 27°39  | 17°43 | 12°13 | 23°49  | 4°27  | 4°51 | 28°26 | n.a. |
| M 7  | 18 59 56 | 14° 1'46 | 11♂25 | 25°26 | 2°10  | 23°29 | 22°46 | 27°34  | 17°46 | 12°15 | 23°48  | 4°27  | 4°48 | 28°33 | n.a. |
| T 8  | 19 3 53  | 14°59'11 | 24°34 | 26°51 | 3°17  | 23°54 | 22°58 | 27°30  | 17°49 | 12°17 | 23°46  | 4°27  | 4°45 | 28°39 | n.a. |
| W 9  | 19 7 49  | 15°56'37 | 7♂24  | 28°20 | 4°25  | 24°20 | 23° 9 | 27°26  | 17°52 | 12°19 | 23°45  | 4°25  | 4°42 | 28°46 | n.a. |
| T 10 | 19 11 46 | 16°54'04 | 19°58 | 29°54 | 5°32  | 24°45 | 23°21 | 27°21  | 17°56 | 12°21 | 23°44  | 4°22  | 4°38 | 28°53 | n.a. |
| F 11 | 19 15 42 | 17°51'31 | 2♂20  | 1♄32  | 6°40  | 25° 9 | 23°32 | 27°17  | 17°59 | 12°23 | 23°42  | 4°15  | 4°35 | 28°59 | n.a. |
| S 12 | 19 19 39 | 18°49'00 | 14°31 | 3°14  | 7°48  | 25°33 | 23°44 | 27°12  | 18° 2 | 12°25 | 23°41  | 4° 6  | 4°32 | 29° 6 | n.a. |
| S 13 | 19 23 35 | 19°46'30 | 26°35 | 5° 0  | 8°56  | 25°57 | 23°56 | 27° 8  | 18° 6 | 12°28 | 23°40  | 3°55  | 4°29 | 29°13 | n.a. |
| M14  | 19 27 32 | 20°44'00 | 8♂34  | 6°49  | 10° 4 | 26°20 | 24° 8 | 27° 3  | 18° 9 | 12°30 | 23°39  | 3°42  | 4°26 | 29°20 | n.a. |
| T 15 | 19 31 29 | 21°41'32 | 20°29 | 8°41  | 11°12 | 26°42 | 24°19 | 26°59  | 18°13 | 12°32 | 23°37  | 3°29  | 4°23 | 29°26 | n.a. |
| W16  | 19 35 25 | 22°39'05 | 2♂21  | 10°35 | 12°20 | 27° 4 | 24°31 | 26°54  | 18°16 | 12°34 | 23°36  | 3°17  | 4°19 | 29°33 | n.a. |
| T 17 | 19 39 22 | 23°36'40 | 14°12 | 12°31 | 13°29 | 27°25 | 24°43 | 26°50  | 18°20 | 12°36 | 23°35  | 3° 6  | 4°16 | 29°40 | n.a. |
| F 18 | 19 43 18 | 24°34'15 | 26° 4 | 14°30 | 14°37 | 27°46 | 24°55 | 26°45  | 18°23 | 12°38 | 23°34  | 2°58  | 4°13 | 29°46 | n.a. |
| S 19 | 19 47 15 | 25°31'53 | 7♂59  | 16°29 | 15°46 | 28° 6 | 25° 7 | 26°41  | 18°27 | 12°40 | 23°32  | 2°53  | 4°10 | 29°53 | n.a. |
| S 20 | 19 51 11 | 26°29'31 | 20° 1 | 18°30 | 16°55 | 28°26 | 25°20 | 26°36  | 18°30 | 12°42 | 23°31  | 2°50  | 4° 7 | 0♂ 0  | n.a. |
| M21  | 19 55 8  | 27°27'12 | 2♂12  | 20°31 | 18° 4 | 28°45 | 25°32 | 26°32  | 18°34 | 12°45 | 23°30  | 2°D49 | 4° 4 | 0° 6  | n.a. |
| T 22 | 19 59 4  | 28°24'54 | 14°38 | 22°33 | 19°13 | 29° 4 | 25°44 | 26°27  | 18°37 | 12°47 | 23°29  | 2°50  | 4° 0 | 0°13  | n.a. |
| W23  | 20 3 1   | 29°22'37 | 27°23 | 24°34 | 20°22 | 29°22 | 25°56 | 26°23  | 18°41 | 12°49 | 23°28  | 2°R50 | 3°57 | 0°20  | n.a. |
| T 24 | 20 6 57  | 0♂20'23  | 10♂31 | 26°36 | 21°32 | 29°39 | 26° 8 | 26°18  | 18°45 | 12°51 | 23°27  | 2°50  | 3°54 | 0°27  | n.a. |
| F 25 | 20 10 54 | 1°18'10  | 24° 9 | 28°37 | 22°41 | 29°55 | 26°21 | 26°14  | 18°48 | 12°53 | 23°26  | 2°48  | 3°51 | 0°33  | n.a. |
| S 26 | 20 14 51 | 2°16'00  | 8♂ 9  | 0♂38  | 23°51 | 0♂11  | 26°33 | 26° 9  | 18°52 | 12°55 | 23°24  | 2°43  | 3°48 | 0°40  | n.a. |
| S 27 | 20 18 47 | 3°13'51  | 22°41 | 2°37  | 25° 0 | 0°27  | 26°45 | 26° 5  | 18°56 | 12°58 | 23°23  | 2°37  | 3°44 | 0°47  | n.a. |
| M28  | 20 22 44 | 4°11'44  | 7♄36  | 4°36  | 26°10 | 0°41  | 26°58 | 26° 0  | 18°59 | 13° 0 | 23°22  | 2°29  | 3°41 | 0°53  | n.a. |
| T 29 | 20 26 40 | 5° 9'38  | 22°48 | 6°34  | 27°20 | 0°55  | 27°10 | 25°56  | 19° 3 | 13° 2 | 23°21  | 2°20  | 3°38 | 1° 0  | n.a. |
| W30  | 20 30 37 | 6° 7'34  | 8♂ 6  | 8°31  | 28°30 | 1° 8  | 27°23 | 25°51  | 19° 7 | 13° 4 | 23°20  | 2°12  | 3°35 | 1° 7  | n.a. |
| T 31 | 20 34 33 | 7♂ 5'32  | 23♂19 | 10♂27 | 29♂40 | 1°20  | 27♂36 | 25♂47  | 19♂10 | 13♂ 7 | 23♂19  | 2♂ 5  | 3♂32 | 1♂14  | n.a. |

Delta T = 02h09m48s Julian Calendar 1 July 284 == Greg. Calendar 1 July 284

AUGUST 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄      | ♅     | ♆     | ♇      | ♁     | ♂    | ♀    | ♁    |
|------|----------|----------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|------|------|------|
| F 1  | 20 38 30 | 8♂ 3'31  | 8♂16  | 12♂22 | 0♄50  | 1°27  | 27♂48 | 25°R43 | 19♂14 | 13♂ 9 | 23°R18 | 2°R 1 | 3♂29 | 1♂20 | n.a. |
| S 2  | 20 42 27 | 9° 1'32  | 22°51 | 14°15 | 2° 1  | 1°43  | 28° 1 | 25♂38  | 19°18 | 13°11 | 23♂18  | 1♂59  | 3°25 | 1°27 | n.a. |
| S 3  | 20 46 23 | 9°59'34  | 6♂59  | 16° 8 | 3°11  | 1°53  | 28°13 | 25°34  | 19°21 | 13°13 | 23°17  | 1°D59 | 3°22 | 1°34 | n.a. |
| M 4  | 20 50 20 | 10°57'38 | 20°39 | 17°59 | 4°22  | 2° 2  | 28°26 | 25°30  | 19°25 | 13°15 | 23°16  | 1°59  | 3°19 | 1°40 | n.a. |
| T 5  | 20 54 16 | 11°55'43 | 3♂53  | 19°48 | 5°32  | 2°11  | 28°39 | 25°25  | 19°29 | 13°18 | 23°15  | 2° 0  | 3°16 | 1°47 | n.a. |
| W 6  | 20 58 13 | 12°53'50 | 16°44 | 21°37 | 6°43  | 2°18  | 28°52 | 25°21  | 19°33 | 13°20 | 23°14  | 2°R 1 | 3°13 | 1°54 | n.a. |
| T 7  | 21 2 9   | 13°51'58 | 29°15 | 23°24 | 7°54  | 2°25  | 29° 4 | 25°17  | 19°36 | 13°22 | 23°13  | 1°59  | 3°10 | 2° 1 | n.a. |
| F 8  | 21 6 6   | 14°50'08 | 11♂32 | 25°10 | 9° 5  | 2°31  | 29°17 | 25°13  | 19°40 | 13°24 | 23°12  | 1°56  | 3° 6 | 2° 7 | n.a. |
| S 9  | 21 10 2  | 15°48'20 | 23°38 | 26°55 | 10°16 | 2°37  | 29°30 | 25° 9  | 19°44 | 13°27 | 23°12  | 1°51  | 3° 3 | 2°14 | n.a. |
| S 10 | 21 13 59 | 16°46'33 | 5♂36  | 28°39 | 11°27 | 2°41  | 29°43 | 25° 5  | 19°48 | 13°29 | 23°11  | 1°44  | 3° 0 | 2°21 | n.a. |
| M11  | 21 17 56 | 17°44'47 | 17°30 | 0♂21  | 12°38 | 2°45  | 29°56 | 25° 1  | 19°51 | 13°31 | 23°10  | 1°36  | 2°57 | 2°27 | n.a. |
| T 12 | 21 21 52 | 18°43'04 | 29°22 | 2° 2  | 13°49 | 2°47  | 0♂ 8  | 24°57  | 19°55 | 13°33 | 23°10  | 1°28  | 2°54 | 2°34 | n.a. |
| W13  | 21 25 49 | 19°41'22 | 11♂14 | 3°42  | 15° 1 | 2°49  | 0°21  | 24°53  | 19°59 | 13°35 | 23° 9  | 1°20  | 2°50 | 2°41 | n.a. |
| T 14 | 21 29 45 | 20°39'42 | 23° 7 | 5°21  | 16°12 | 2°50  | 0°34  | 24°49  | 20° 3 | 13°38 | 23° 8  | 1°13  | 2°47 | 2°47 | n.a. |
| F 15 | 21 33 42 | 21°38'04 | 5♂ 5  | 6°59  | 17°24 | 2°R50 | 0°47  | 24°45  | 20° 7 | 13°40 | 23° 8  | 1° 8  | 2°44 | 2°54 | n.a. |
| S 16 | 21 37 38 | 22°36'28 | 17° 7 | 8°35  | 18°36 | 2°50  | 1° 0  | 24°42  | 20°10 | 13°42 | 23° 7  | 1° 6  | 2°41 | 3° 1 | n.a. |
| S 17 | 21 41 35 | 23°34'54 | 29°17 | 10°11 | 19°47 | 2°48  | 1°13  | 24°38  | 20°14 | 13°44 | 23° 6  | 1°D 4 | 2°38 | 3° 8 | n.a. |
| M18  | 21 45 31 | 24°33'22 | 11°27 | 11°45 | 20°59 | 2°46  | 1°26  | 24°34  | 20°18 | 13°47 | 23° 6  | 1° 5  | 2°35 | 3°14 | n.a. |
| T 19 | 21 49 28 | 25°31'52 | 24°10 | 13°19 | 22°11 | 2°42  | 1°39  | 24°31  | 20°22 | 13°49 | 23° 5  | 1° 6  | 2°31 | 3°21 | n.a. |
| W20  | 21 53 24 | 26°30'24 | 6♂59  | 14°51 | 23°23 | 2°38  | 1°52  | 24°27  | 20°25 | 13°51 | 23° 5  | 1° 8  | 2°28 | 3°28 | n.a. |
| T 21 | 21 57 21 | 27°28'59 | 20° 6 | 16°22 | 24°35 | 2°33  | 2° 5  | 24°24  | 20°29 | 13°53 | 23° 5  | 1° 9  | 2°25 | 3°34 | n.a. |
| F 22 | 22 1 18  | 28°27'36 | 3♂37  | 17°52 | 25°47 | 2°27  | 2°18  | 24°20  | 20°33 | 13°55 | 23° 4  | 1°R 9 | 2°22 | 3°41 | n.a. |
| S 23 | 22 5 14  | 29°26'16 | 17°31 | 19°21 | 27° 0 | 2°20  | 2°31  | 24°17  | 20°37 | 13°57 | 23° 4  | 1° 8  | 2°19 | 3°48 | n.a. |
| S 24 | 22 9 11  | 0♂24'57  | 1♄48  | 20°49 | 28°12 | 2°12  | 2°44  | 24°14  | 20°40 | 14° 0 | 23° 3  | 1° 5  | 2°16 | 3°54 | n.a. |
| M25  | 22 13 7  | 1°23'42  | 16°28 | 22°16 | 29°24 | 2° 3  | 2°57  | 24°11  | 20°44 | 14° 2 | 23° 3  | 1° 2  | 2°12 | 4° 1 | n.a. |
| T 26 | 22 17 4  | 2°22'28  | 1♂24  | 23°42 | 0♂37  | 1°54  | 3°10  | 24° 8  | 20°48 | 14° 4 | 23° 3  | 0°58  | 2° 9 | 4° 8 | n.a. |
| W27  | 22 21 0  | 3°21'17  | 16°28 | 25° 6 | 1°50  | 1°44  | 3°23  | 24° 5  | 20°51 | 14° 6 | 23° 2  | 0°54  | 2° 6 | 4°15 | n.a. |
| T 28 | 22 24 57 | 4°20'07  | 1♂32  | 26°30 | 3° 2  | 1°33  | 3°36  | 24° 2  | 20°55 | 14° 8 | 23° 2  | 0°51  | 2° 3 | 4°21 | n.a. |
| F 29 | 22 28 53 | 5°19'00  | 16°27 | 27°52 | 4°15  | 1°21  | 3°49  | 23°59  | 20°59 | 14°10 | 23° 2  | 0°49  | 2° 0 | 4°28 | n.a. |
| S 30 | 22 32 50 | 6°17'55  | 1♂ 4  | 29°13 | 5°28  | 1° 8  | 4° 2  | 23°56  | 21° 2 | 14°12 | 23° 2  | 0°D48 | 1°56 | 4°35 | n.a. |
| S 31 | 22 36 47 | 7♂16'52  | 15♂17 | 0♂33  | 6♂41  | 0°27  | 4♂15  | 23♂54  | 21♂ 6 | 14♂14 | 23♂ 2  | 0♂49  | 1♂53 | 4♂41 | n.a. |

Delta T = 02h09m47s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 284

SEPTEMBER 284 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅      | ♁     | ♄     | ♁      | ♁     | ♁    | ♁    | ♁    | ♁ |
|------|----------|----------|-------|--------|-------|-------|-------|--------|-------|-------|--------|-------|------|------|------|---|
| M 1  | 22 40 43 | 8♍15'50  | 29♌4  | 1♌52   | 7♌54  | 0°R41 | 4♍28  | 23°R51 | 21♌10 | 14♌17 | 23°R 1 | 0♌50  | 1♌50 | 4♌48 | n.a. |   |
| T 2  | 22 44 40 | 9°14'51  | 12♌25 | 3° 9   | 9° 7  | 0°V26 | 4°41  | 23♌48  | 21°13 | 14°19 | 23♌ 1  | 0°52  | 1°47 | 4°55 | n.a. |   |
| W 3  | 22 48 36 | 10°13'53 | 25°22 | 4°24   | 10°20 | 0°11  | 4°54  | 23°46  | 21°17 | 14°21 | 23° 1  | 0°53  | 1°44 | 5° 1 | n.a. |   |
| T 4  | 22 52 33 | 11°12'58 | 7♌56  | 5°38   | 11°33 | 29♌55 | 5° 7  | 23°44  | 21°21 | 14°23 | 23° 1  | 0°R53 | 1°41 | 5° 8 | n.a. |   |
| F 5  | 22 56 29 | 12°12'04 | 20°14 | 6°51   | 12°46 | 29°38 | 5°20  | 23°41  | 21°24 | 14°25 | 23°D 1 | 0°53  | 1°37 | 5°15 | n.a. |   |
| S 6  | 23 0 26  | 13°11'12 | 2♌19  | 8° 2   | 14° 0 | 29°21 | 5°33  | 23°39  | 21°28 | 14°27 | 23° 1  | 0°52  | 1°34 | 5°22 | n.a. |   |
| S 7  | 23 4 22  | 14°10'22 | 14°15 | 9°11   | 15°13 | 29° 4 | 5°46  | 23°37  | 21°31 | 14°29 | 23° 1  | 0°50  | 1°31 | 5°28 | n.a. |   |
| M 8  | 23 8 19  | 15° 9'33 | 26° 7 | 10°18  | 16°26 | 28°46 | 5°59  | 23°35  | 21°35 | 14°31 | 23° 1  | 0°48  | 1°28 | 5°35 | n.a. |   |
| T 9  | 23 12 16 | 16° 8'47 | 7♌58  | 11°23  | 17°40 | 28°28 | 6°12  | 23°33  | 21°38 | 14°33 | 23° 2  | 0°46  | 1°25 | 5°42 | n.a. |   |
| W10  | 23 16 12 | 17° 8'03 | 19°52 | 12°26  | 18°53 | 28° 9 | 6°25  | 23°32  | 21°42 | 14°35 | 23° 2  | 0°44  | 1°21 | 5°48 | n.a. |   |
| T 11 | 23 20 9  | 18° 7'20 | 1♌51  | 13°26  | 20° 7 | 27°50 | 6°38  | 23°30  | 21°45 | 14°37 | 23° 2  | 0°42  | 1°18 | 5°55 | n.a. |   |
| F 12 | 23 24 5  | 19° 6'40 | 13°57 | 14°23  | 21°21 | 27°31 | 6°51  | 23°28  | 21°49 | 14°39 | 23° 2  | 0°41  | 1°15 | 6° 2 | n.a. |   |
| S 13 | 23 28 2  | 20° 6'02 | 26°11 | 15°18  | 22°34 | 27°11 | 7° 4  | 23°27  | 21°52 | 14°40 | 23° 2  | 0°D40 | 1°12 | 6° 8 | n.a. |   |
| S 14 | 23 31 58 | 21° 5'25 | 8♍36  | 16° 9  | 23°48 | 26°52 | 7°17  | 23°25  | 21°56 | 14°42 | 23° 3  | 0°40  | 1° 9 | 6°15 | n.a. |   |
| M15  | 23 35 55 | 22° 4'51 | 21°12 | 16°57  | 25° 2 | 26°32 | 7°30  | 23°24  | 21°59 | 14°44 | 23° 3  | 0°41  | 1° 6 | 6°22 | n.a. |   |
| T 16 | 23 39 51 | 23° 4'20 | 4♌ 1  | 17°41  | 26°16 | 26°12 | 7°42  | 23°23  | 22° 3 | 14°46 | 23° 3  | 0°42  | 1° 2 | 6°29 | n.a. |   |
| W17  | 23 43 48 | 24° 3'50 | 17° 4 | 18°21  | 27°30 | 25°53 | 7°55  | 23°22  | 22° 6 | 14°48 | 23° 3  | 0°42  | 0°59 | 6°35 | n.a. |   |
| T 18 | 23 47 44 | 25° 3'23 | 0♍21  | 18°56  | 28°44 | 25°33 | 8° 8  | 23°21  | 22° 9 | 14°50 | 23° 4  | 0°43  | 0°56 | 6°42 | n.a. |   |
| F 19 | 23 51 41 | 26° 2'59 | 13°55 | 19°26  | 29°58 | 25°14 | 8°21  | 23°20  | 22°13 | 14°51 | 23° 4  | 0°43  | 0°53 | 6°49 | n.a. |   |
| S 20 | 23 55 38 | 27° 2'36 | 27°45 | 19°51  | 1♍12  | 24°54 | 8°33  | 23°19  | 22°16 | 14°53 | 23° 5  | 0°R43 | 0°50 | 6°55 | n.a. |   |
| S 21 | 23 59 34 | 28° 2'17 | 11♌51 | 20° 9  | 2°26  | 24°35 | 8°46  | 23°18  | 22°19 | 14°55 | 23° 5  | 0°43  | 0°47 | 7° 2 | n.a. |   |
| M22  | 0 3 31   | 29° 1'59 | 26°12 | 20°21  | 3°41  | 24°16 | 8°59  | 23°18  | 22°22 | 14°57 | 23° 6  | 0°43  | 0°43 | 7° 9 | n.a. |   |
| T 23 | 0 7 27   | 0♌ 1'44  | 10♌45 | 20°R26 | 4°55  | 23°57 | 9°11  | 23°17  | 22°25 | 14°58 | 23° 6  | 0°43  | 0°40 | 7°15 | n.a. |   |
| W24  | 0 11 24  | 1° 1'31  | 25°24 | 20°23  | 6° 9  | 23°39 | 9°24  | 23°17  | 22°29 | 15° 0 | 23° 7  | 0°D43 | 0°37 | 7°22 | n.a. |   |
| T 25 | 0 15 20  | 2° 1'21  | 10♍ 5 | 20°12  | 7°24  | 23°21 | 9°37  | 23°17  | 22°32 | 15° 2 | 23° 7  | 0°43  | 0°34 | 7°29 | n.a. |   |
| F 26 | 0 19 17  | 3° 1'12  | 24°41 | 19°53  | 8°38  | 23° 3 | 9°49  | 23°16  | 22°35 | 15° 3 | 23° 8  | 0°R43 | 0°31 | 7°36 | n.a. |   |
| S 27 | 0 23 13  | 4° 1'06  | 9♌ 6  | 19°24  | 9°52  | 22°46 | 10° 2 | 23°D16 | 22°38 | 15° 5 | 23° 9  | 0°43  | 0°27 | 7°42 | n.a. |   |
| S 28 | 0 27 10  | 5° 1'02  | 23°13 | 18°46  | 11° 7 | 22°29 | 10°14 | 23°16  | 22°41 | 15° 7 | 23° 9  | 0°43  | 0°24 | 7°49 | n.a. |   |
| M29  | 0 31 7   | 6° 0'59  | 6♌59  | 18° 0  | 12°22 | 22°13 | 10°26 | 23°17  | 22°44 | 15° 8 | 23°10  | 0°42  | 0°21 | 7°56 | n.a. |   |
| T 30 | 0 35 3   | 7♌ 0'59  | 20♌23 | 17♌ 5  | 13♍36 | 21♌57 | 10♍39 | 23♌17  | 22♌47 | 15♌10 | 23♌11  | 0°42  | 0°18 | 8° 2 | n.a. |   |

Delta T = 02h09m46s Julian Calendar 1 Sept. 284 == Greg. Calendar 1 Sept. 284

OCTOBER 284 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂      | ♃     | ♅     | ♁     | ♄     | ♁     | ♁     | ♁     | ♁     | ♁    | ♁ |
|------|---------|----------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|---|
| W 1  | 0 39 0  | 8♌ 1'00  | 3♌23  | 16°R 2 | 14♍51 | 21°R43 | 10♍51 | 23♌17 | 22♌50 | 15♌11 | 23♌12 | 0°R41 | 0♌15  | 8° 9  | n.a. |   |
| T 2  | 0 42 56 | 9° 1'03  | 16° 2 | 14♌53  | 16° 6 | 21♌28  | 11° 3 | 23°17 | 22°53 | 15°13 | 23°12 | 0°40  | 0°12  | 8°16  | n.a. |   |
| F 3  | 0 46 53 | 10° 1'07 | 28°23 | 13°39  | 17°20 | 21°15  | 11°16 | 23°18 | 22°56 | 15°14 | 23°13 | 0°39  | 0° 8  | 8°22  | n.a. |   |
| S 4  | 0 50 49 | 11° 1'14 | 10♌29 | 12°22  | 18°35 | 21° 2  | 11°28 | 23°19 | 22°58 | 15°16 | 23°14 | 0°D39 | 0° 5  | 8°29  | n.a. |   |
| S 5  | 0 54 46 | 12° 1'22 | 22°26 | 11° 5  | 19°50 | 20°50  | 11°40 | 23°19 | 23° 1 | 15°17 | 23°15 | 0°39  | 0° 2  | 8°36  | n.a. |   |
| M 6  | 0 58 42 | 13° 1'32 | 4♌17  | 9°49   | 21° 5 | 20°38  | 11°52 | 23°20 | 23° 4 | 15°18 | 23°16 | 0°40  | 29♍59 | 8°42  | n.a. |   |
| T 7  | 1 2 39  | 14° 1'43 | 16° 9 | 8°37   | 22°19 | 20°28  | 12° 4 | 23°21 | 23° 7 | 15°20 | 23°17 | 0°41  | 29°56 | 8°49  | n.a. |   |
| W 8  | 1 6 36  | 15° 1'56 | 28° 4 | 7°32   | 23°34 | 20°18  | 12°16 | 23°22 | 23° 9 | 15°21 | 23°18 | 0°43  | 29°52 | 8°56  | n.a. |   |
| T 9  | 1 10 32 | 16° 2'10 | 10♌ 7 | 6°35   | 24°49 | 20° 9  | 12°28 | 23°23 | 23°12 | 15°22 | 23°19 | 0°44  | 29°49 | 9° 3  | n.a. |   |
| F 10 | 1 14 29 | 17° 2'26 | 22°21 | 5°48   | 26° 4 | 20° 0  | 12°40 | 23°25 | 23°15 | 15°24 | 23°20 | 0°45  | 29°46 | 9° 9  | n.a. |   |
| S 11 | 1 18 25 | 18° 2'44 | 4♍49  | 5°12   | 27°19 | 19°53  | 12°51 | 23°26 | 23°17 | 15°25 | 23°21 | 0°R45 | 29°43 | 9°16  | n.a. |   |
| S 12 | 1 22 22 | 19° 3'04 | 17°32 | 4°48   | 28°34 | 19°46  | 13° 3 | 23°28 | 23°20 | 15°26 | 23°22 | 0°44  | 29°40 | 9°23  | n.a. |   |
| M13  | 1 26 18 | 20° 3'25 | 0♌29  | 4°35   | 29°49 | 19°40  | 13°15 | 23°29 | 23°22 | 15°27 | 23°23 | 0°42  | 29°37 | 9°29  | n.a. |   |
| T 14 | 1 30 15 | 21° 3'49 | 13°42 | 4°D34  | 1♌ 4  | 19°35  | 13°26 | 23°31 | 23°25 | 15°28 | 23°24 | 0°40  | 29°33 | 9°36  | n.a. |   |
| W15  | 1 34 11 | 22° 4'14 | 27° 9 | 4°43   | 2°19  | 19°31  | 13°38 | 23°33 | 23°27 | 15°30 | 23°25 | 0°36  | 29°30 | 9°43  | n.a. |   |
| T 16 | 1 38 8  | 23° 4'41 | 10♌48 | 5° 3   | 3°34  | 19°27  | 13°49 | 23°34 | 23°29 | 15°31 | 23°26 | 0°33  | 29°27 | 9°49  | n.a. |   |
| F 17 | 1 42 4  | 24° 5'10 | 24°38 | 5°33   | 4°50  | 19°25  | 14° 1 | 23°36 | 23°32 | 15°32 | 23°28 | 0°30  | 29°24 | 9°56  | n.a. |   |
| S 18 | 1 46 1  | 25° 5'41 | 8♌36  | 6°11   | 6° 5  | 19°23  | 14°12 | 23°38 | 23°34 | 15°33 | 23°29 | 0°28  | 29°21 | 10° 3 | n.a. |   |
| S 19 | 1 49 58 | 26° 6'14 | 22°40 | 6°57   | 7°20  | 19°22  | 14°23 | 23°41 | 23°36 | 15°34 | 23°30 | 0°D27 | 29°18 | 10° 9 | n.a. |   |
| M20  | 1 53 54 | 27° 6'48 | 6♌50  | 7°50   | 8°35  | 19°D21 | 14°35 | 23°43 | 23°38 | 15°35 | 23°31 | 0°28  | 29°14 | 10°16 | n.a. |   |
| T 21 | 1 57 51 | 28° 7'25 | 21° 3 | 8°49   | 9°50  | 19°22  | 14°46 | 23°45 | 23°40 | 15°36 | 23°33 | 0°29  | 29°11 | 10°23 | n.a. |   |
| W22  | 2 1 47  | 29° 8'04 | 5♍16  | 9°53   | 11° 6 | 19°23  | 14°57 | 23°48 | 23°43 | 15°37 | 23°34 | 0°30  | 29° 8 | 10°30 | n.a. |   |
| T 23 | 2 5 44  | 0♍ 8'44  | 19°29 | 11° 2  | 12°21 | 19°25  | 15° 8 | 23°50 | 23°45 | 15°38 | 23°35 | 0°32  | 29° 5 | 10°36 | n.a. |   |
| F 24 | 2 9 40  | 1° 9'26  | 3♌37  | 12°14  | 13°36 | 19°28  | 15°19 | 23°53 | 23°47 | 15°38 | 23°37 | 0°R32 | 29° 2 | 10°43 | n.a. |   |
| S 25 | 2 13 37 | 2°10'09  | 17°37 | 13°30  | 14°52 | 19°31  | 15°29 | 23°56 | 23°49 | 15°39 | 23°38 | 0°31  | 28°58 | 10°50 | n.a. |   |
| S 26 | 2 17 33 | 3°10'54  | 1♌25  | 14°49  | 16° 7 | 19°36  | 15°40 | 23°58 | 23°50 | 15°40 | 23°40 | 0°28  | 28°55 | 10°56 | n.a. |   |
| M27  | 2 21 30 | 4°11'41  | 14°58 | 16°10  | 17°22 | 19°41  | 15°51 | 24° 1 | 23°52 | 15°41 | 23°41 | 0°23  | 28°52 | 11° 3 | n.a. |   |
| T 28 | 2 25 27 | 5°12'29  | 28°15 | 17°34  | 18°38 | 19°47  | 16° 1 | 24° 4 | 23°54 | 15°41 | 23°43 | 0°18  | 28°49 | 11°10 | n.a. |   |
| W29  | 2 29 23 | 6°13'18  | 11♌12 | 18°59  | 19°53 | 19°53  | 16°12 | 24° 8 | 23°56 | 15°42 | 23°44 | 0°11  | 28°46 | 11°16 | n.a. |   |
| T 30 | 2 33 20 | 7°14'09  | 23°50 | 20°25  | 21° 9 | 20° 1  | 16°22 | 24°11 | 23°57 | 15°43 | 23°46 | 0° 5  | 28°43 | 11°23 | n.a. |   |
| F 31 | 2 37 16 | 8♌15'00  | 6♌12  | 21♌53  | 22♌24 | 20♌ 9  | 16♍32 | 24♌14 | 23♌59 | 15♌43 | 23♌47 | 29♍59 | 28♍39 | 11°30 | n.a. |   |

Delta T = 02h09m45s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 284

NOVEMBER 284 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁      | ♁      | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|------|
| S 1  | 2 41 13 | 9♏15'53  | 18♍19 | 23♌21 | 23♌39 | 20♋18 | 16♏43 | 24♎18 | 24♏ 1  | 15♏44  | 23♏49 | 29°R55 | 28♏36 | 11♏36 | n.a. |
| S 2  | 2 45 9  | 10°16'47 | 0♏16  | 24°51 | 24°55 | 20°27 | 16°53 | 24°21 | 24° 2  | 15°45  | 23°50 | 29♏53  | 28°33 | 11°43 | n.a. |
| M 3  | 2 49 6  | 11°17'41 | 12° 7 | 26°21 | 26°10 | 20°37 | 17° 3 | 24°25 | 24° 4  | 15°45  | 23°52 | 29°D52 | 28°30 | 11°50 | n.a. |
| T 4  | 2 53 2  | 12°18'36 | 23°57 | 27°52 | 27°26 | 20°48 | 17°13 | 24°28 | 24° 5  | 15°46  | 23°53 | 29°53  | 28°27 | 11°56 | n.a. |
| W 5  | 2 56 59 | 13°19'33 | 5♏52  | 29°23 | 28°41 | 20°59 | 17°22 | 24°32 | 24° 7  | 15°46  | 23°55 | 29°55  | 28°24 | 12° 3 | n.a. |
| T 6  | 3 0 56  | 14°20'30 | 17°57 | 0♏55  | 29°57 | 21°11 | 17°32 | 24°36 | 24° 8  | 15°46  | 23°57 | 29°56  | 28°20 | 12°10 | n.a. |
| F 7  | 3 4 52  | 15°21'28 | 0♏15  | 2°27  | 1♏12  | 21°24 | 17°42 | 24°40 | 24° 9  | 15°47  | 23°58 | 29°R57 | 28°17 | 12°17 | n.a. |
| S 8  | 3 8 49  | 16°22'26 | 12°52 | 3°59  | 2°28  | 21°37 | 17°51 | 24°44 | 24°10  | 15°47  | 24° 0 | 29°56  | 28°14 | 12°23 | n.a. |
| S 9  | 3 12 45 | 17°23'26 | 25°48 | 5°31  | 3°43  | 21°51 | 18° 1 | 24°48 | 24°11  | 15°47  | 24° 2 | 29°53  | 28°11 | 12°30 | n.a. |
| M10  | 3 16 42 | 18°24'27 | 9♏ 6  | 7° 4  | 4°59  | 22° 5 | 18°10 | 24°52 | 24°13  | 15°48  | 24° 4 | 29°47  | 28° 8 | 12°37 | n.a. |
| T 11 | 3 20 38 | 19°25'28 | 22°44 | 8°37  | 6°14  | 22°20 | 18°19 | 24°56 | 24°14  | 15°48  | 24° 5 | 29°40  | 28° 4 | 12°43 | n.a. |
| W12  | 3 24 35 | 20°26'31 | 6♏39  | 10° 9 | 7°30  | 22°36 | 18°28 | 25° 1 | 24°15  | 15°48  | 24° 7 | 29°32  | 28° 1 | 12°50 | n.a. |
| T 13 | 3 28 31 | 21°27'34 | 20°47 | 11°42 | 8°45  | 22°52 | 18°37 | 25° 5 | 24°16  | 15°48  | 24° 9 | 29°23  | 27°58 | 12°57 | n.a. |
| F 14 | 3 32 28 | 22°28'38 | 5♏ 3  | 13°15 | 10° 1 | 23° 8 | 18°46 | 25°10 | 24°16  | 15°49  | 24°11 | 29°14  | 27°55 | 13° 3 | n.a. |
| S 15 | 3 36 25 | 23°29'44 | 19°22 | 14°49 | 11°16 | 23°25 | 18°54 | 25°14 | 24°17  | 15°49  | 24°12 | 29° 8  | 27°52 | 13°10 | n.a. |
| S 16 | 3 40 21 | 24°30'50 | 3♏39  | 16°22 | 12°32 | 23°43 | 19° 3 | 25°19 | 24°18  | 15°49  | 24°14 | 29° 4  | 27°49 | 13°17 | n.a. |
| M17  | 3 44 18 | 25°31'58 | 17°52 | 17°55 | 13°47 | 24° 1 | 19°12 | 25°24 | 24°19  | 15°49  | 24°16 | 29° 2  | 27°45 | 13°23 | n.a. |
| T 18 | 3 48 14 | 26°33'06 | 1♏57  | 19°29 | 15° 3 | 24°19 | 19°20 | 25°29 | 24°19  | 15°R49 | 24°18 | 29°D 1 | 27°42 | 13°30 | n.a. |
| W19  | 3 52 11 | 27°34'15 | 15°55 | 21° 2 | 16°18 | 24°38 | 19°28 | 25°33 | 24°20  | 15°49  | 24°20 | 29° 2  | 27°39 | 13°37 | n.a. |
| T 20 | 3 56 7  | 28°35'26 | 29°45 | 22°36 | 17°34 | 24°57 | 19°36 | 25°38 | 24°21  | 15°49  | 24°22 | 29°R 3 | 27°36 | 13°43 | n.a. |
| F 21 | 4 0 4   | 29°36'37 | 13♏26 | 24°10 | 18°49 | 25°17 | 19°44 | 25°43 | 24°21  | 15°49  | 24°24 | 29° 2  | 27°33 | 13°50 | n.a. |
| S 22 | 4 4 0   | 0♏37'48  | 26°59 | 25°44 | 20° 5 | 25°37 | 19°52 | 25°49 | 24°22  | 15°48  | 24°25 | 28°58  | 27°29 | 13°57 | n.a. |
| S 23 | 4 7 57  | 1°39'01  | 10♏22 | 27°18 | 21°20 | 25°58 | 20° 0 | 25°54 | 24°22  | 15°48  | 24°27 | 28°52  | 27°26 | 14° 3 | n.a. |
| M24  | 4 11 54 | 2°40'14  | 23°33 | 28°52 | 22°36 | 26°19 | 20° 7 | 25°59 | 24°22  | 15°48  | 24°29 | 28°43  | 27°23 | 14°10 | n.a. |
| T 25 | 4 15 50 | 3°41'28  | 6♏33  | 0♏26  | 23°52 | 26°41 | 20°15 | 26° 4 | 24°23  | 15°48  | 24°31 | 28°32  | 27°20 | 14°17 | n.a. |
| W26  | 4 19 47 | 4°42'42  | 19°18 | 2° 1  | 25° 7 | 27° 2 | 20°22 | 26°10 | 24°23  | 15°48  | 24°33 | 28°19  | 27°17 | 14°24 | n.a. |
| T 27 | 4 23 43 | 5°43'56  | 1♏49  | 3°36  | 26°23 | 27°25 | 20°29 | 26°15 | 24°23  | 15°47  | 24°35 | 28° 7  | 27°14 | 14°30 | n.a. |
| F 28 | 4 27 40 | 6°45'11  | 14° 6 | 5°11  | 27°38 | 27°47 | 20°36 | 26°21 | 24°23  | 15°47  | 24°37 | 27°55  | 27°10 | 14°37 | n.a. |
| S 29 | 4 31 36 | 7°46'25  | 26°11 | 6°46  | 28°54 | 28°10 | 20°43 | 26°26 | 24°R23 | 15°46  | 24°39 | 27°45  | 27° 7 | 14°44 | n.a. |
| S 30 | 4 35 33 | 8♏47'40  | 8♏ 7  | 8♏22  | 0♏ 9  | 28♏34 | 20♏50 | 26♏32 | 24♏23  | 15♏46  | 24♏41 | 27♏38  | 27♏ 4 | 14♏50 | n.a. |

Delta T = 02h09m44s Julian Calendar 1 Nov. 284 == Greg. Calendar 1 Nov. 284

DECEMBER 284 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁      | ♁      | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|------|
| M 1  | 4 39 29 | 9♏48'54  | 19♏56 | 9♏57  | 1♏25  | 28♏58 | 20♏56 | 26♏38 | 24°R23 | 15°R46 | 24♏43 | 27°R34 | 27♏ 1 | 14♏57 | n.a. |
| T 2  | 4 43 26 | 10°50'08 | 1♏45  | 11°33 | 2°40  | 29°22 | 21° 3 | 26°43 | 24♏23  | 15♏45  | 24°45 | 27♏32  | 26°58 | 15° 4 | n.a. |
| W 3  | 4 47 23 | 11°51'23 | 13°37 | 13°10 | 3°56  | 29°46 | 21° 9 | 26°49 | 24°23  | 15°45  | 24°47 | 27°D32 | 26°55 | 15°10 | n.a. |
| T 4  | 4 51 19 | 12°52'37 | 25°39 | 14°46 | 5°11  | 0♏11  | 21°15 | 26°55 | 24°22  | 15°44  | 24°49 | 27°R32 | 26°51 | 15°17 | n.a. |
| F 5  | 4 55 16 | 13°53'50 | 7♏56  | 16°23 | 6°27  | 0°36  | 21°21 | 27° 1 | 24°22  | 15°44  | 24°51 | 27°31  | 26°48 | 15°24 | n.a. |
| S 6  | 4 59 12 | 14°55'04 | 20°33 | 18° 1 | 7°42  | 1° 1  | 21°27 | 27° 7 | 24°22  | 15°43  | 24°53 | 27°29  | 26°45 | 15°30 | n.a. |
| S 7  | 5 3 9   | 15°56'17 | 3♏35  | 19°38 | 8°58  | 1°27  | 21°32 | 27°13 | 24°21  | 15°42  | 24°55 | 27°25  | 26°42 | 15°37 | n.a. |
| M 8  | 5 7 5   | 16°57'30 | 17° 3 | 21°16 | 10°13 | 1°53  | 21°38 | 27°19 | 24°21  | 15°42  | 24°57 | 27°17  | 26°39 | 15°44 | n.a. |
| T 9  | 5 11 2  | 17°58'42 | 0♏57  | 22°54 | 11°29 | 2°19  | 21°43 | 27°25 | 24°20  | 15°41  | 24°59 | 27° 8  | 26°35 | 15°50 | n.a. |
| W10  | 5 14 58 | 18°59'55 | 15°14 | 24°33 | 12°44 | 2°45  | 21°49 | 27°32 | 24°20  | 15°40  | 25° 1 | 26°56  | 26°32 | 15°57 | n.a. |
| T 11 | 5 18 55 | 20° 1'07 | 29°49 | 26°12 | 14° 0 | 3°12  | 21°54 | 27°38 | 24°19  | 15°39  | 25° 3 | 26°43  | 26°29 | 16° 4 | n.a. |
| F 12 | 5 22 52 | 21° 2'19 | 14♏34 | 27°51 | 15°15 | 3°39  | 21°58 | 27°44 | 24°18  | 15°39  | 25° 5 | 26°32  | 26°26 | 16°10 | n.a. |
| S 13 | 5 26 48 | 22° 3'31 | 29°21 | 29°30 | 16°31 | 4° 6  | 22° 3 | 27°50 | 24°18  | 15°38  | 25° 7 | 26°22  | 26°23 | 16°17 | n.a. |
| S 14 | 5 30 45 | 23° 4'42 | 14♏ 1 | 1♏10  | 17°46 | 4°33  | 22° 8 | 27°57 | 24°17  | 15°37  | 25° 9 | 26°15  | 26°20 | 16°24 | n.a. |
| M15  | 5 34 41 | 24° 5'54 | 28°30 | 2°50  | 19° 2 | 5° 1  | 22°12 | 28° 3 | 24°16  | 15°36  | 25°11 | 26°12  | 26°16 | 16°30 | n.a. |
| T 16 | 5 38 38 | 25° 7'05 | 12♏44 | 4°30  | 20°17 | 5°29  | 22°16 | 28°10 | 24°15  | 15°35  | 25°13 | 26°10  | 26°13 | 16°37 | n.a. |
| W17  | 5 42 34 | 26° 8'17 | 26°41 | 6°11  | 21°32 | 5°57  | 22°20 | 28°16 | 24°14  | 15°34  | 25°15 | 26°10  | 26°10 | 16°44 | n.a. |
| T 18 | 5 46 31 | 27° 9'28 | 10♏22 | 7°51  | 22°48 | 6°25  | 22°24 | 28°23 | 24°13  | 15°33  | 25°18 | 26°10  | 26° 7 | 16°50 | n.a. |
| F 19 | 5 50 27 | 28°10'38 | 23°48 | 9°31  | 24° 3 | 6°54  | 22°28 | 28°30 | 24°12  | 15°32  | 25°20 | 26° 8  | 26° 4 | 16°57 | n.a. |
| S 20 | 5 54 24 | 29°11'49 | 7♏ 0  | 11°11 | 25°19 | 7°23  | 22°31 | 28°36 | 24°11  | 15°31  | 25°22 | 26° 4  | 26° 1 | 17° 4 | n.a. |
| S 21 | 5 58 21 | 0♏12'59  | 20° 1 | 12°51 | 26°34 | 7°52  | 22°34 | 28°43 | 24°10  | 15°30  | 25°24 | 25°57  | 25°57 | 17°11 | n.a. |
| M22  | 6 2 17  | 1°14'09  | 2♏51  | 14°31 | 27°50 | 8°21  | 22°37 | 28°50 | 24° 9  | 15°29  | 25°26 | 25°46  | 25°54 | 17°17 | n.a. |
| T 23 | 6 6 14  | 2°15'18  | 15°30 | 16° 9 | 29° 5 | 8°50  | 22°40 | 28°56 | 24° 8  | 15°28  | 25°28 | 25°33  | 25°51 | 17°24 | n.a. |
| W24  | 6 10 10 | 3°16'27  | 27°58 | 17°47 | 0♏20  | 9°20  | 22°43 | 29° 3 | 24° 6  | 15°27  | 25°30 | 25°19  | 25°48 | 17°31 | n.a. |
| T 25 | 6 14 7  | 4°17'35  | 10♏17 | 19°24 | 1°36  | 9°50  | 22°46 | 29°10 | 24° 5  | 15°26  | 25°32 | 25° 4  | 25°45 | 17°37 | n.a. |
| F 26 | 6 18 3  | 5°18'42  | 22°25 | 20°59 | 2°51  | 10°20 | 22°48 | 29°17 | 24° 3  | 15°25  | 25°34 | 24°51  | 25°41 | 17°44 | n.a. |
| S 27 | 6 22 0  | 6°19'48  | 4♏24  | 22°32 | 4° 7  | 10°50 | 22°50 | 29°24 | 24° 2  | 15°23  | 25°36 | 24°39  | 25°38 | 17°51 | n.a. |
| S 28 | 6 25 57 | 7°20'53  | 16°17 | 24° 3 | 5°22  | 11°20 | 22°52 | 29°31 | 24° 1  | 15°22  | 25°38 | 24°31  | 25°35 | 17°57 | n.a. |
| M29  | 6 29 53 | 8°21'57  | 28° 4 | 25°32 | 6°37  | 11°51 | 22°54 | 29°38 | 23°59  | 15°21  | 25°40 | 24°25  | 25°32 | 18° 4 | n.a. |
| T 30 | 6 33 50 | 9°23'00  | 9♏51  | 26°57 | 7°53  | 12°21 | 22°56 | 29°45 | 23°57  | 15°20  | 25°42 | 24°22  | 25°29 | 18°11 | n.a. |
| W31  | 6 37 46 | 10♏24'02 | 21♏42 | 28♏18 | 9♏ 8  | 12♏52 | 22♏57 | 29♏52 | 23♏56  | 15♏18  | 25♏44 | 24°D21 | 25♏26 | 18♏17 | n.a. |

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