Astrodienst Ephemeris Tables
for the year 1412

tropical 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 D5EPH
### JANUARY 1412 JC

| Day | S  | T  | W  | T  | F  | S  | Sunday |  |   |
|-----|----|----|----|----|----|----|--------|  |   |
| F 1 | 7  | 13 | 19 | 25 | 31 |   | 1848  |  |   |
| S 2 | 8  | 14 | 20 | 26 |   |   | 1942  |  |   |
| S 3 | 9  | 15 | 21 | 27 |   |   | 1946  |  |   |
| M 4 | 10 | 16 | 22 | 28 |   |   | 1952  |  |   |
| T 5 | 11 | 17 | 23 | 29 |   |   | 1958  |  |   |
| W 6 | 12 | 18 | 24 | 30 |   |   | 1964  |  |   |
| T 7 | 13 | 19 | 25 | 31 |   |   | 1970  |  |   |
| F 8 | 14 | 20 | 26 |   |   |   | 1976  |  |   |
| S 9 | 15 | 21 | 27 |   |   |   | 1982  |  |   |
| S 10 | 16 | 22 |   |   |   |   | 1988  |  |   |
| M11 | 17 | 23 |   |   |   |   | 1994  |  |   |
| T12 | 18 | 24 |   |   |   |   | 2000  |  |   |
| W13 | 19 | 25 |   |   |   |   | 2006  |  |   |
| T14 | 20 |   |   |   |   |   | 2012  |  |   |

### FEBRUARY 1412 JC

| Day | S  | T  | W  | T  | F  | S  | Sunday |  |   |
|-----|----|----|----|----|----|----|--------|  |   |
| M1  | 1  | 7  | 13 | 19 | 25 | 31 | 1848  |  |   |
| T2  | 2  | 8  | 14 | 20 | 26 |   | 1942  |  |   |
| W3  | 3  | 9  | 15 | 21 | 27 |   | 1946  |  |   |
| T4  | 4  | 10 | 16 | 22 | 28 |   | 1952  |  |   |
| W5  | 5  | 11 | 17 | 23 | 29 |   | 1958  |  |   |
| T6  | 6  | 12 | 18 | 24 | 30 |   | 1964  |  |   |
| W7  | 7  | 13 | 19 | 25 | 31 |   | 1970  |  |   |
| T8  | 8  | 14 | 20 | 26 |   |   | 1976  |  |   |
| W9  | 9  | 15 | 21 | 27 |   |   | 1982  |  |   |
| T10 | 10 | 16 | 22 | 28 |   |   | 1988  |  |   |
| W11 | 11 | 17 | 23 | 29 |   |   | 1994  |  |   |
| T12 | 12 | 18 | 24 | 30 |   |   | 2000  |  |   |
| W13 | 13 | 19 | 25 | 31 |   |   | 2006  |  |   |
| T14 | 14 | 20 | 26 |   |   |   | 2012  |  |   |

### Delta T = 07m34s

- Julian Calendar 1 Jan. 1412 == Greg. Calendar 10 Jan. 1412
- created from Swiss Ephemeris, Copyright Astrodienst AG [19.12.2022]
### MAY 1412 JC

| Day  | S  | T  | Q  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 4    | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |

### JUNE 1412 JC

| Day  | S  | T  | Q  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

Delta T = 07m33s

Julian Calendar 1 May 1412 == Gregorian Calendar 10 May 1412
### NOVEMBER 1412 JC

<table>
<thead>
<tr>
<th>Day</th>
<th>Std t</th>
<th>Delta T</th>
<th>00:00 UT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T 1</td>
<td>15:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W 2</td>
<td>18:32</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T 3</td>
<td>23:28</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F 4</td>
<td>23:27</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S 5</td>
<td>23:41</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S 6</td>
<td>23:58</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M7</td>
<td>00:21</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T 8</td>
<td>03:43</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W 9</td>
<td>04:47</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T10</td>
<td>05:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F11</td>
<td>05:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S12</td>
<td>05:57</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S13</td>
<td>06:24</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M14</td>
<td>06:50</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T15</td>
<td>07:10</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W16</td>
<td>07:43</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T17</td>
<td>08:10</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F18</td>
<td>08:16</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S19</td>
<td>08:33</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S20</td>
<td>08:39</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M21</td>
<td>08:46</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T22</td>
<td>09:14</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W23</td>
<td>09:49</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T24</td>
<td>10:16</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F25</td>
<td>10:42</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S26</td>
<td>11:04</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S27</td>
<td>11:38</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M28</td>
<td>11:56</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T29</td>
<td>12:33</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W30</td>
<td>13:05</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
</tbody>
</table>

### DECEMBER 1412 JC

<table>
<thead>
<tr>
<th>Day</th>
<th>Std t</th>
<th>Delta T</th>
<th>00:00 UT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T 1</td>
<td>15:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W 2</td>
<td>18:32</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T 3</td>
<td>23:28</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F 4</td>
<td>23:27</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S 5</td>
<td>23:41</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S 6</td>
<td>23:58</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M7</td>
<td>00:21</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T 8</td>
<td>03:43</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W 9</td>
<td>04:47</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T10</td>
<td>05:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F11</td>
<td>05:35</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S12</td>
<td>05:57</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S13</td>
<td>06:24</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M14</td>
<td>06:50</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T15</td>
<td>07:10</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W16</td>
<td>07:43</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T17</td>
<td>08:10</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F18</td>
<td>08:16</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S19</td>
<td>08:33</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S20</td>
<td>08:39</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M21</td>
<td>08:46</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T22</td>
<td>09:14</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W23</td>
<td>09:49</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T24</td>
<td>10:16</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>F25</td>
<td>10:42</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S26</td>
<td>11:04</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>S27</td>
<td>11:38</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>M28</td>
<td>11:56</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>T29</td>
<td>12:33</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
<tr>
<td>W30</td>
<td>13:05</td>
<td>07m32s</td>
<td>1412.00</td>
</tr>
</tbody>
</table>

Page 7 of 7 created from Swiss Ephemeris, Copyright Astrodienst AG [19.12.2022]