Wirtanen (2018)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perihelion (JD)</td>
<td>2458465.4814900</td>
</tr>
<tr>
<td>Period (years)</td>
<td>5.4388223</td>
</tr>
<tr>
<td>Semimajor axis (AU)</td>
<td>3.0926914</td>
</tr>
<tr>
<td>Perihelion dist (AU)</td>
<td>1.0553500</td>
</tr>
<tr>
<td>Eccentricity</td>
<td>0.6587600</td>
</tr>
<tr>
<td>Epoch</td>
<td>2000.0</td>
</tr>
<tr>
<td>Inclination (deg)</td>
<td>11.7476000</td>
</tr>
<tr>
<td>Long ascending node (deg)</td>
<td>82.1603000</td>
</tr>
<tr>
<td>Arg. of perihelion (deg)</td>
<td>356.3890000</td>
</tr>
<tr>
<td>Site: L/L Lat = −20.0 Long = 0.0</td>
<td></td>
</tr>
</tbody>
</table>

Rise / Set Times (UT)

- 15° set
- 30° set
- 0° rise
- 15° rise
- 30° rise

Pred. Magnitude

- 23
- 22

0° / 15° / 30° altitude