152652
+ 4232659

16 82.9
+ 92 55
403

682 9/5 158 9 7 1
681 4/7 172 922
401 171
91 107
<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>16,400</td>
<td>17,400</td>
<td>-41,800</td>
<td>-67,600</td>
<td>5,500</td>
<td>126</td>
<td>-31,200</td>
<td>-0.294</td>
<td>0.708</td>
<td>-0.642</td>
</tr>
<tr>
<td>-170,361</td>
<td>-1,416</td>
<td>-55,826</td>
<td>-32,752</td>
<td>-53,699</td>
<td>-14,189</td>
<td>-14,189</td>
<td>-35</td>
<td>-579</td>
<td><strong>-1,920</strong></td>
</tr>
<tr>
<td>357</td>
<td>184</td>
<td>372</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STA</td>
<td>Magn</td>
<td>TIME</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZB.512</td>
<td>6.955</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.247</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.496</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.496</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69.899</td>
<td>0.485</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.789</td>
<td>0.262</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.485</td>
<td>0.210</td>
<td>24.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.600</td>
<td>0.000</td>
<td>25.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.000</td>
<td>0.000</td>
<td>39.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.000</td>
<td>0.000</td>
<td>00.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.000</td>
<td>42.6</td>
<td>00.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.000</td>
<td>16.5</td>
<td>00.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 0.000  | 00.0  | 151090.

Comments:
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>R.A.</td>
<td>0.600</td>
</tr>
<tr>
<td>DEC.</td>
<td>30.350</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>R.A.</td>
<td>1787.000</td>
</tr>
<tr>
<td>DEC.</td>
<td>37.000</td>
</tr>
<tr>
<td>TIME</td>
<td>1.200</td>
</tr>
<tr>
<td>DULUS</td>
<td>17</td>
</tr>
<tr>
<td>VEL.</td>
<td>-0.200</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>q1 (U)</td>
<td>0.852</td>
</tr>
<tr>
<td>q2 (U)</td>
<td>0.315</td>
</tr>
<tr>
<td>q3 (U)</td>
<td>0.419</td>
</tr>
<tr>
<td>dU</td>
<td>6279.565</td>
</tr>
<tr>
<td>U</td>
<td>109.042</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>q1 (V)</td>
<td>-0.522</td>
</tr>
<tr>
<td>q2 (V)</td>
<td>0.432</td>
</tr>
<tr>
<td>q3 (V)</td>
<td>0.735</td>
</tr>
<tr>
<td>dV</td>
<td>-3738.872</td>
</tr>
<tr>
<td>V</td>
<td>-65.121</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>q1 (W)</td>
<td>-0.050</td>
</tr>
<tr>
<td>q2 (W)</td>
<td>0.845</td>
</tr>
<tr>
<td>q3 (W)</td>
<td>-0.532</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>TIME</td>
<td></td>
</tr>
<tr>
<td>dp</td>
<td>-219.753</td>
</tr>
<tr>
<td>W</td>
<td>-3.712</td>
</tr>
</tbody>
</table>

Date: / / 
Observer:
\[ \begin{align*}
\text{Total} & = 20.2 + 2.9 + 11.2 + 3.8 + 0.45 + 4.5 \\
\text{GLU} & = 0.45 + 0.31 + 0.8 \\
\text{Total GLU} & = 2.0 \\
\end{align*} \]
739
48

N 900 +137 +120
G 900 +137 +120 52.4
\[
\begin{align*}
7.854 & \pm 0.9 \\
1.130 & \\
6.259 & \\
2.112 & -17 \quad 0.95 \\
+17.5 & -13.5 \\
41.3 & 41.3
\end{align*}
\]

\[
\begin{align*}
+0.225 & \pm 5.7 \\
+0.226 & -136 \\
+0.225 & -130 \\
4.225 & 11.0 \\
5.22 & 5.8 \\
4.141 & 8.520 \\
4.29 & 4.29 \\
41.3 & 41.3
\end{align*}
\]
<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1461.000*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.000*</td>
<td>16.100*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-8.000*</td>
<td>-20.000*</td>
<td>0.428*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-0.143*</td>
<td>3.000*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>39.811</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-10.700</td>
</tr>
<tr>
<td></td>
<td>21.74</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.420</td>
<td>0.057</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>55.917</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1.526</td>
<td>0.347</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-37</td>
<td>-64.468</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td></td>
<td></td>
<td></td>
<td>-0.480</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.936</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STARP：** 0.9693

**Observer：**
<p>| | | | | | | | | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12.32</td>
<td>854.98</td>
<td>0.028</td>
<td>0.891</td>
<td>0.441</td>
<td>0.6</td>
<td>(M)</td>
<td>gb</td>
<td>(M)</td>
<td>zb</td>
<td>(M)</td>
<td>gb</td>
<td>9.066</td>
<td>34.24</td>
<td>0.881</td>
<td>0.307</td>
<td>0.664</td>
<td>35.855</td>
<td>834.532</td>
<td>0.732</td>
</tr>
<tr>
<td>37</td>
<td>2.840</td>
<td>112.000</td>
<td>119.000</td>
<td>60.750</td>
<td>14.800</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RAD. VEL.**: 37

**Modulus**: 2.840

**Distance**: 112.000

**Pm. Dec.**: 119.000

**Pm. R.A.**: 60.750

**R.A.**: 14.800
<table>
<thead>
<tr>
<th>V</th>
<th>M</th>
<th>MP</th>
<th>(M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12.926</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-6</td>
<td>12.425</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>0.054</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>5.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>8.58</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U</th>
<th>V</th>
<th>WP</th>
<th>(V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>-58.237</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>779.288</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.071</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.851</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.521</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V</th>
<th>U</th>
<th>PL</th>
<th>(U)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4.21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>280.290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>9.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>0.89</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V</th>
<th>U</th>
<th>EL</th>
<th>(V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2.400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>1.600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>-570.000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>-235.000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>-34.000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>17.750</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-47.500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-260.500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-85.500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.000</td>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.206</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.301</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.931</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>293.642</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.098</td>
<td>+0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.608</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.797</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.362</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-793.351</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-57.307</td>
<td>-57.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.767</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.641</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-0.037</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>380.125</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23.242</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8.34

6.08 3.18 + 10010 - 110

743
446

5.95

9404 1910 / 0548
1385 1150 (13010 - 10110 + 1848 1.5

3.70 50.11 23.8
3.416 4.4.75 23.8
3.57 4.078 23.94
<table>
<thead>
<tr>
<th>H.A.</th>
<th>DEC.</th>
<th>RA.D. VEL.</th>
<th>MODULUS</th>
<th>DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>88.8</td>
<td>297</td>
<td>351</td>
<td>MP</td>
<td>4b</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>M</td>
<td>0.0</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>(M) 1b</td>
<td>94</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>(M) 2z</td>
<td>93</td>
</tr>
<tr>
<td>894</td>
<td>325</td>
<td>225</td>
<td>(M) 3b</td>
<td>9b</td>
</tr>
<tr>
<td>388</td>
<td>0.0</td>
<td>0.0</td>
<td>(M) 4b</td>
<td>9b</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>N</td>
<td>0.0</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>NP</td>
<td>0.0</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>(N) 1b</td>
<td>94</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>(N) 2z</td>
<td>93</td>
</tr>
<tr>
<td>326</td>
<td>247</td>
<td>99</td>
<td>(N) sb</td>
<td>9b</td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>(N) 3b</td>
<td>9b</td>
</tr>
<tr>
<td>R.A.</td>
<td>DEC.</td>
<td>DISTANCE</td>
<td>MODULUS</td>
<td>VEL.</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------</td>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>4:40:0</td>
<td>46:0:00</td>
<td>-301:0:00</td>
<td>54:500</td>
<td>0:29:4</td>
</tr>
</tbody>
</table>

...
<table>
<thead>
<tr>
<th>Observer:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>R.A. : 20.600</td>
<td></td>
</tr>
<tr>
<td>DEC. : -60.700</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STAFF</th>
<th>R.A. : 821.000</th>
<th>ME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. DEC. : -570.000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STANCE : 1.900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MODULUS : 24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>v. VEL. : -31.500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| q1 (U) : 0.601 |       |    |
| q2 (U) : -0.318 |       |    |
| q3 (U) : -0.733 |       |    |
| dU : 1725.610 |       |    |
| U : 64.483 |       |    |

| q1 (V) : 0.100 |       |    |
| q2 (V) : 0.940 |       |    |
| q3 (V) : -0.326 |       |    |
| dV : %-2396.370 |       |    |
| V : -47.286 |       |    |

| q1 (W) : -0.793 |       |    |
| q2 (W) : -0.123 |       |    |
| q3 (W) : -0.597 |       |    |
| dW : -809.011 |       |    |
| W : -0.605 |       |    |

Comments: