IAU Minor Planet Center

MPEC 2011-B49 : 2011 BY18

The following Minor Planet Electronic Circular may be linked-to from your own Web pages, but must not otherwise be redistributed electronically.

A form allowing access to any MPEC is at the bottom of this page.


The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Commission 20 of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

Prepared using the Tamkin Foundation Computer Network

MPC@CFA.HARVARD.EDU

URL http://www.minorplanetcenter.org/iau/mpc.html ISSN 1523-6714

2011 BY18

Observations:

K11B18Y C2011 01 27.16170 03 06 43.81 +10 43 43.8  19.8 VrEB049703
K11B18Y C2011 01 27.17310 03 06 55.65 +10 44 52.6  19.1 VrEB049703
K11B18Y C2011 01 27.17877 03 07 01.63 +10 45 26.8  20.1 VrEB049703
K11B18Y C2011 01 27.18478 03 07 07.89 +10 46 04.4  19.4 VrEB049703
K11B18Y C2011 01 27.18536 03 07 08.58 +10 46 08.1  19.1 VrEB049703
K11B18Y C2011 01 27.18593 03 07 09.08 +10 46 11.2  18.6 VrEB049703
K11B18Y C2011 01 27.18651 03 07 09.73 +10 46 16.2  19.5 ReEB049854
K11B18Y C2011 01 27.22730 03 07 52.29 +10 50 23.4  19.5 RcEB049854
K11B18Y C2011 01 27.23231 03 07 57.81 +10 50 54.3  19.7 ReEB049854
K11B18Y C2011 01 27.23346 03 07 58.72 +10 51 01.0  19.4 VrEB049703
K11B18Y C2011 01 27.23417 03 07 59.55 +10 51 05.4  rEB049703
K11B18Y C2011 01 27.23486 03 08 00.27 +10 51 09.8  rEB049703
K11B18Y C2011 01 27.23556 03 08 01.12 +10 51 14.8  rEB049703
K11B18Y C2011 01 27.23729 03 08 02.77 +10 51 25.2  19.5 ReEB049854
K11B18Y KC2011 01 28.04295 03 21 50.47 +12 10 31.2  19.6 RuEB049I19
K11B18Y KC2011 01 28.04852 03 21 56.03 +12 11 02.5  19.1 RuEB049I19
K11B18Y KC2011 01 28.05509 03 22 02.35 +12 11 38.5  rEB049703
K11B18Y KC2011 01 28.06066 03 22 07.86 +12 12 09.9  rEB049703
K11B18Y JC2011 01 28.09280 03 22 41.30 +12 14 22.9  19.3 VoEB049695
K11B18Y JC2011 01 28.09354 03 22 42.06 +12 14 27.2  19.7 VoEB049695
K11B18Y JC2011 01 28.09417 03 22 42.65 +12 14 30.5  19.6 VoEB049695
K11B18Y KC2011 01 28.13922 03 23 26.16 +12 18 32.9  19.7 RuEB049H36
K11B18Y KC2011 01 28.14362 03 23 30.45 +12 18 56.6  19.6 RuEB049H36
K11B18Y KC2011 01 28.14819 03 23 34.90 +12 19 21.5  19.9 RuEB049H36
K11B18Y KC2011 01 28.15284 03 23 39.47 +12 19 47.1  19.7 RuEB049H36
K11B18Y KC2011 01 28.22146 03 24 46.63 +12 26 03.0  19.8 RuEB049H01
K11B18Y KC2011 01 28.22848 03 24 53.46 +12 26 40.9  19.8 RuEB049H01
K11B18Y KC2011 01 28.23567 03 25 00.48 +12 27 19.6  19.8 RuEB049H01
K11B18Y KC2011 01 28.24373 03 25 08.34 +12 28 03.0  19.6 RuEB049H01

Observer details:

695 Kitt Peak. Observers M. Trueblood, L. Lebofsky, R. Crawford. Measurer R. Crawford. 2.1-m f/7.7 Ritchey-Chretien + CCD.


854 Sabino Canyon Observatory, Tucson. Observer J. E. McGaha. 0.36-m f/10.0
Orbital elements:
2011 BY18

<table>
<thead>
<tr>
<th>Orbital Elements</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>2.33</td>
</tr>
<tr>
<td>e</td>
<td>0.79</td>
</tr>
<tr>
<td>i</td>
<td>4</td>
</tr>
<tr>
<td>q</td>
<td>0.4887</td>
</tr>
</tbody>
</table>

Residuals in seconds of arc

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 12 29</td>
<td>20 43 57.7</td>
<td>-22 30 36</td>
<td>0.4741</td>
<td>0.6245</td>
<td>30.7</td>
<td>126.5</td>
<td>23.3</td>
<td></td>
</tr>
<tr>
<td>2011 01 13</td>
<td>22 42 26.8</td>
<td>-16 09 49</td>
<td>0.2334</td>
<td>0.8323</td>
<td>44.2</td>
<td>124.5</td>
<td>22.2</td>
<td></td>
</tr>
<tr>
<td>2011 01 21</td>
<td>01 02 39.3</td>
<td>0.1724</td>
<td>0.9484</td>
<td>73.1</td>
<td>96.9</td>
<td>20.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011 02 04</td>
<td>04 50 25.4</td>
<td>0.2796</td>
<td>1.1471</td>
<td>118.8</td>
<td>48.8</td>
<td>20.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011 02 12</td>
<td>05 46 33.0</td>
<td>0.4005</td>
<td>1.2562</td>
<td>124.1</td>
<td>40.6</td>
<td>20.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011 02 27</td>
<td>06 41 13.0</td>
<td>0.6619</td>
<td>1.4510</td>
<td>121.6</td>
<td>35.5</td>
<td>22.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Carl W. Hergenrother  (C) Copyright 2011 MPC  M.P.E.C. 2011-B49

Read MPEC 2011-B48  Read MPEC 2011-B50

Enter an MPEC number in one of the following forms:
- 1997-B01 (the full form)
- J97B01 (the packed version of the full form)
- B01 (the abbreviated form)