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## OBSERVATIONS OF PLANETARY TRANSITS OF TRES-1

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Name of the object:

Tres-1

Equatorial coordinates:

R.A.= 19 04 09.8    DEC.= +36 37 57

Equinox:

2000

Observatory and telescope:

Various observatories working with the AAVSO and Transitsearch.org.

Detector:

Various CCDs and filters. Information is available from data file and from AAVSO.

Filter(s):

BVR and Unfiltered

<b>Date(s) of the observation(s):</b>
Ten transits from 2453250 - 2453290

<b>Comparison star(s):</b>	Various
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<b>Check star(s):</b>	Various
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<b>Transformed to a standard system:</b>	No
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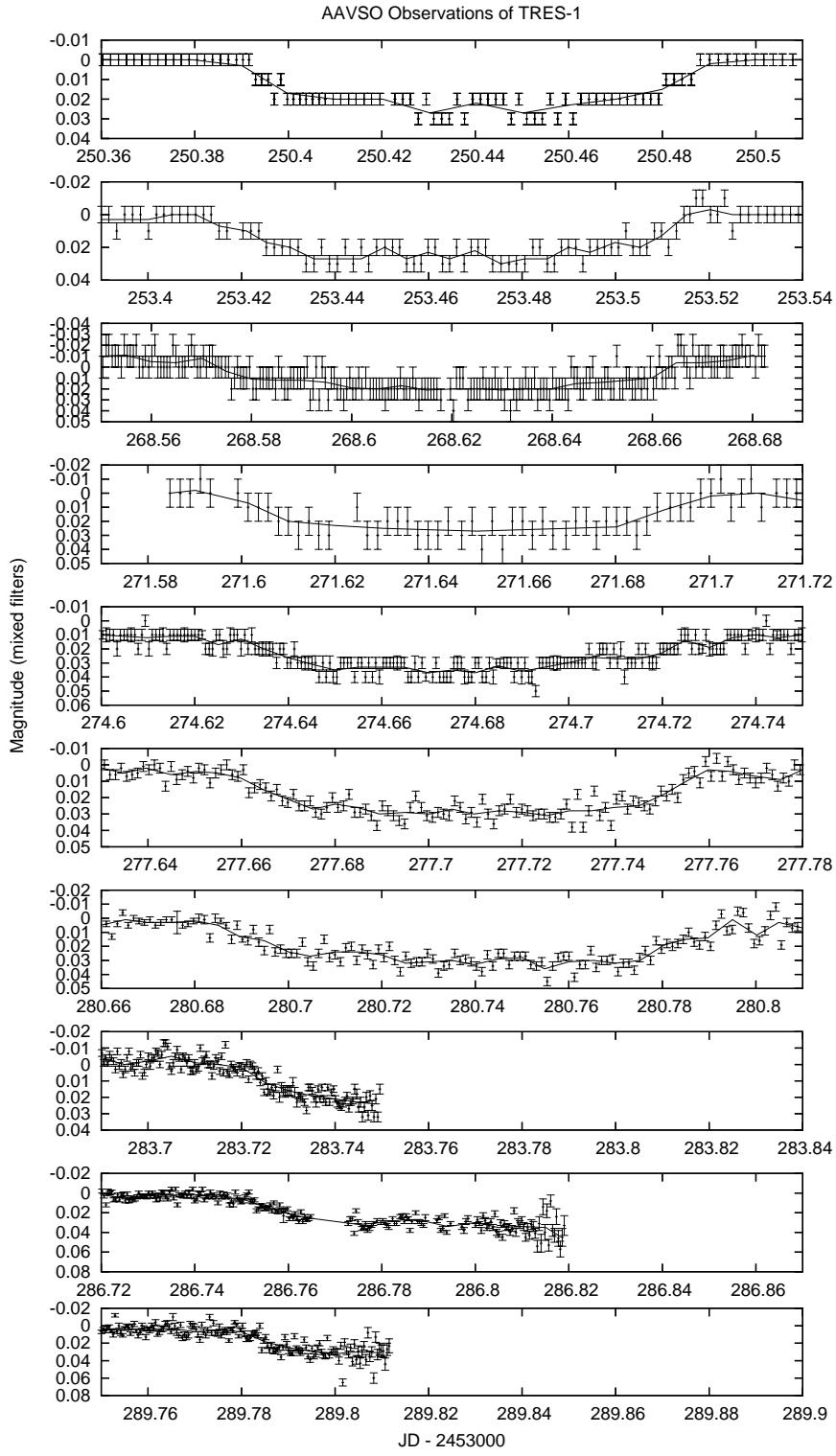
<b>Availability of the data:</b>
Available at <a href="http://www.aavso.org/data/download/">http://www.aavso.org/data/download/</a>

<b>Remarks:</b>
Visual inspection and monte carlo analysis reveals the presence of slight humps at the egress of some transits. These humps have amplitude of around 0.005 magnitudes and occur around 90 minutes after the transit midpoint.

<b>Acknowledgements:</b>
This research has made use of a grant by the Curry Foundation.

## References:

- Alonso R., Brown, T.M., Torres G. et al., 2004, <http://arxiv.org/abs/astro-ph/0408421>  
Seagroves, S., Harker, J., Laughlin, G., Lacy, J., Castellano, T. 2003, *Publ. Astron. Soc. Pac.*, **115**, 1355.  
Landolt, A. 1992, *Astron. Jour.*, **104**, 340  
Bessell, M.S. 1995, *CCD Astron.*, **2**, 20.



**Figure 1.** Light curves of ten transits. Average line is 0.005d and egress brightenings noted with verticle line. For readability, lower precision data was omitted when higher precision coincident data was available.