Accepted Manuscript

First Light Curve Analysis of the High-Amplitude Delta Scuti Star GSC 4552-1498

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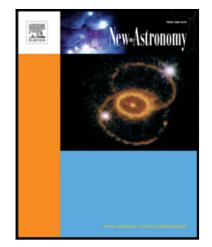
 PII:
 S1384-1076(16)30177-4

 DOI:
 10.1016/j.newast.2017.01.009

 Reference:
 NEASPA 1072

To appear in: New Astronomy

Received date:4 December 2016Revised date:12 January 2017



Please cite this article as: S.J. Jafarzadeh , A. Poro , First Light Curve Analysis of the High-Amplitude Delta Scuti Star GSC 4552-1498, *New Astronomy* (2017), doi: 10.1016/j.newast.2017.01.009

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Highlights

- Photometric observation analysis of GSC 4552-1498 through three filters is presented.
- New ephemeris and oscillation modes are calculated and two-color diagram is depicted.
- Physical parameters of the star are determined based on the main period.

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