

# PHOTOMETRIC OBSERVATIONS AND ANALYSIS OF 1082 PIROLA

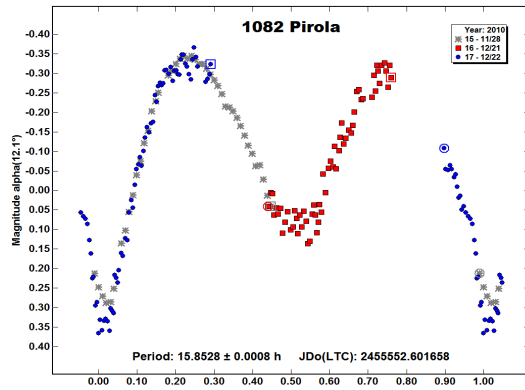
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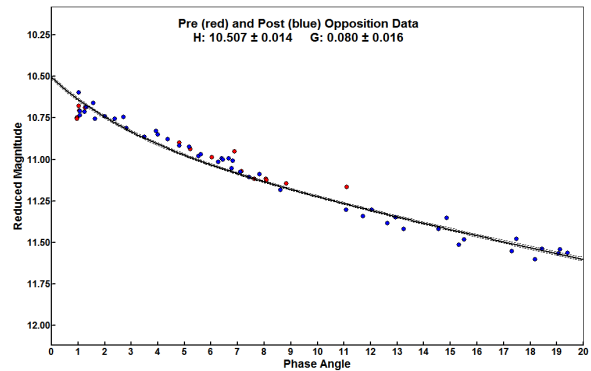
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Received: (15 January)

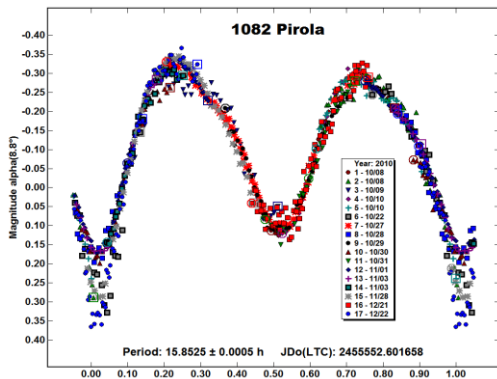
CCD observations of the main-belt asteroid 1082 Pirola were recorded during the period 2010 October to 2011 January. The lightcurve reveals the synodic rotational period and amplitude:  $P = 15.8525 \pm 0.0005$  h;  $A = 0.53 \pm 0.01$  mag. The phase curve referenced to mean magnitude suggests the absolute magnitude and phase slope parameter:  $H = 10.507 \pm 0.014$  mag;  $G = 0.080 \pm 0.016$ . The phase curve referenced to maximum light suggests:  $H = 10.320 \pm 0.013$  mag;  $G = 0.107 \pm 0.016$ .



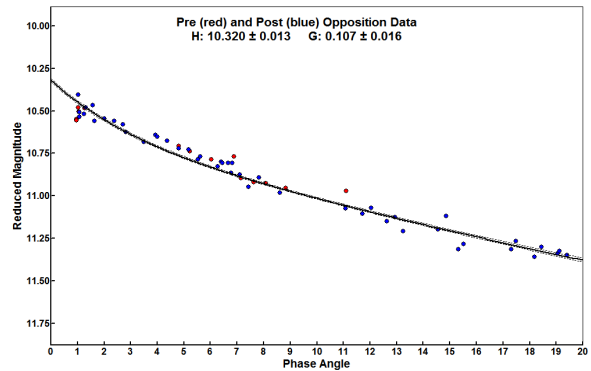
1082 Pirola composite lightcurve at  $\alpha > +12$  degrees.



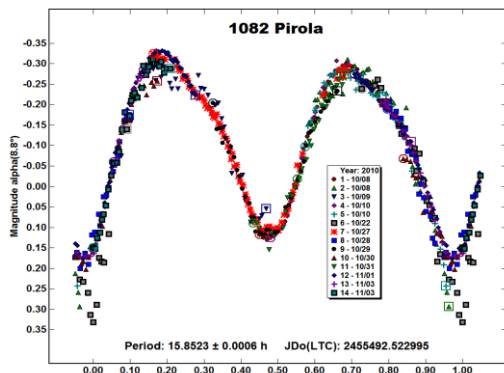
1082 Pirola phase curve referenced to mean magnitude.



1082 Pirola composite lightcurve.



1082 Pirola phase curve referenced to maximum light.



1082 Pirola composite lightcurve at  $-9 < \alpha < +3$  degrees.