Two new variable stars in Draco

email newbinaries@yahoo.co.uk
email paulwwatkins@yahoo.co.uk

Abstract:
A second search for variable stars has been conducted in the publicly available data of the Northern Sky Variability Survey (NSVS). The statistical properties of the star; the magnitude, magnitude scatter and median error were entered into a multi-factor algorithm to evaluate the most promising stars for further examination and analysis. The default settings for the NSVS user interface were used except, following the suggestion of Wils, Lloyd and Bernhard (2006), the APINCOMPL flag was set and the RADECFLIP flags unset.

Notes:
The quoted magnitudes can be regarded as CR mags – that is resulting from an unfiltered, red sensitive CCD, using R band magnitudes.

Star #1: IRAS 15181+6241, period c 160 days, M:
15 19 03.6 +62 30 52  Link to original NSVS data and light curve
Star #2: GSC 04182-00325, period c 110 days, SR 15 50 41.6 +62 26 50. Link to original NSVS data and light curve.

References
A Catalogue of RR Lyrae Stars from the Northern Sky Variability Survey
Patrick Wils, Christopher Lloyd, Klaus Bernhard

Websites
The Northern Sky Variability Study
http://skydot.lanl.gov/nsvs/nsvs.php

The Simbad Astronomical Database
http://simbad.harvard.edu/Simbad

The Combined General Catalogue of Variable Stars
http://vizier.hia.nrc.ca/viz-bin/VizieR?-source=II/250