Notes on Variable Star Reports

This is a quick note about the reports to explain some features whose meaning may not be clear.

Most of the notes early on that come under 'Data and Comments on Star xyz' were written some time ago when I discovered the star's variability and the notes were for my later information. In those notes the cryptic references have these meanings:

R: this is a comment from Richard Stratford who did a lot of analysis of the data.

Book n, page p refers to my records of observation and analysis. These data are all still available and further work can be done on any of the stars- anyone interested in delving deeper into a star or stars please make contact.

'Stepscolour' or 'temp' refer to my estimates of the apparent star colour temperature. Although I used an Astronomic red filter for every image from late 2003 till the end of data collection, before that (as I wanted to get going) I used a plain infra-red blocking filter. By computing blackbody radiation through the two filters and knowing the camera response one can calculate the apparent temperature of an emitting black-body. It so happens that the day before I changed filter (date 1360, Sept 22/23 2003) and the day I changed it (date 1361, Sept 23/24 Sept 2003) were both excellent quality long nights so by using all the images from those two nights, 276 and 325 of them, a good estimate can be made of the temperature of most stars. However, those that vary measureably over those two days will give an erroneous result which is why a 'recal' is sometimes mentioned.

'prox' , short for proximate, my shorthand for stars that are, or maybe, affected by a neighbour

j09 – sometimes there are cryptic notes about when variability was discovered

pul, osc—various abbreviations for what I think is a pulsating variable, pul, or a general repeating waveform, osc.

Those notes which were done on most (though far from all) stars that I found were variable are accessed by a program and plonked into the reports.