

5/19/2016

Dear CBAers,

Mid-May, and time for a new menu of stars.

#### DWARF NOVAE

Dwarf novae. Enrique will advise on these. The WZ Sge stars are definitely good targets, but once they drop faint, it's a struggle to observe them, and the returns are diminishing. Enrique tracks them closely, and will advise.

#### NOVAE

The May-June-July sky is full of good novae, and we seek to track their orbital light curves, which change as the white dwarf slowly cools after eruption. The northern targets now available are V339 Del and V1974 Cyg; the southern guys are V630 Sgr and V4743 Sgr; and V1494 Aql is hemisphere-friendly for all. These stars are kinda faint, around 17 or fainter. Best to select 1 or at most two and stick to it. We need fairly long time series, at least a few hours.

I apologize for their faintness. Novae in the solar neighborhood are rare!... but it's an exciting project and worth some effort if you get some good nights.

#### NOVALIKES

The specialite du CBA in recent years. Here are three we haven't really studied before: V380 Oph, LQ Peg, and OZ Dra. Will they be productive? Let's take a few runs and find out. "Productive" usually means showing a periodic signal (generally evident in the light curve). OZ Dra definitely does (eclipsing), but it's pretty faint - I think 17.5.

People have been observing MV Lyrae. It's in its bright state, and didn't show any periodic signal the last time we searched. I'd give it lower priority, but if you like this star, keep going for another week. I'll study the light curves.

Three novalikes which have been good to us: V617 Sgr, V Sge, and V355 UMa. The orbital periods are somewhat long, so the time series should also be.

I think V1101 Aql can be suspended. Thanks mainly to Joe U., we have two superb years of coverage.

ASASSN-16dt and V803 Cen continue to be good targets, I believe; Enrique may be able to assess these better.

Joe P