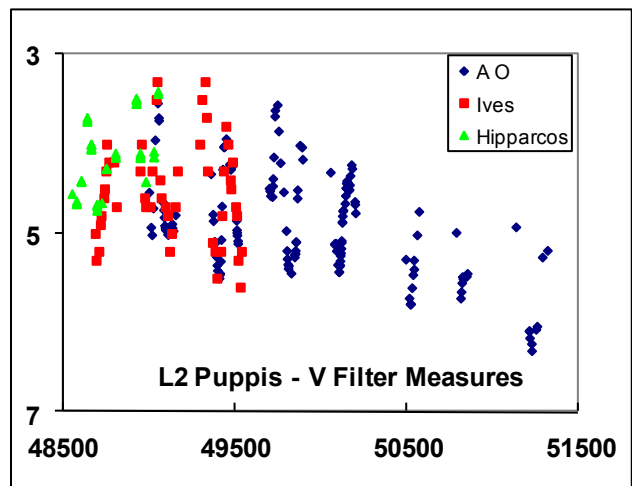
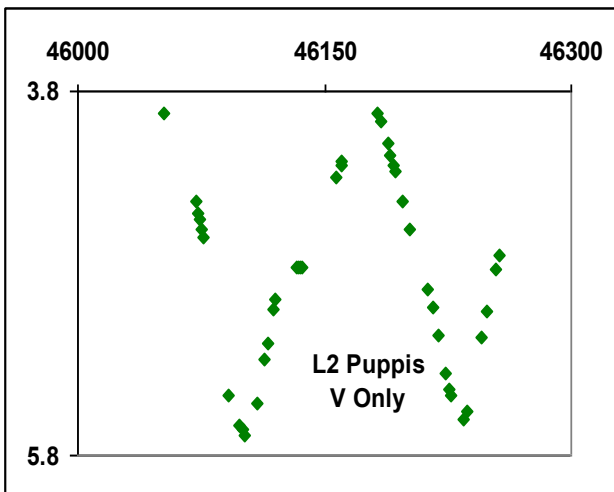
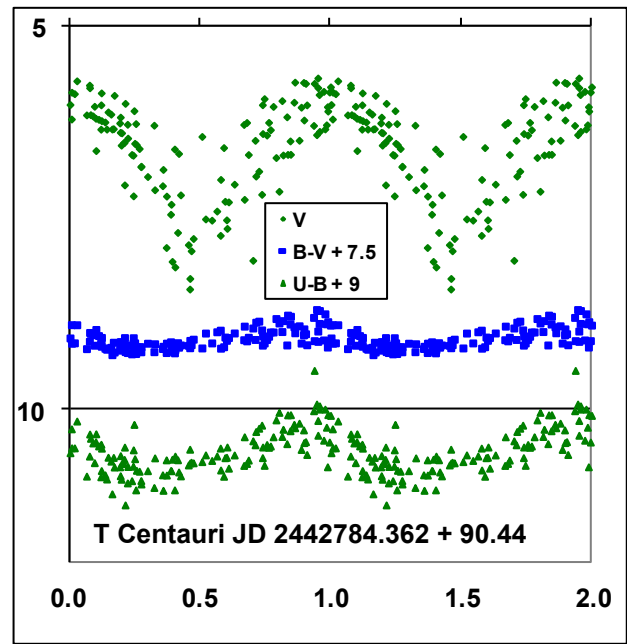


MIRAS & LPVs

Many of our members were both visual and PEP observers. Gordon Herdman was particularly interested in two stars, L² Puppis and T Centauri. This latter star shows some of the features of both an SR star and an RV Tauri type—see graph to the right.

L² Puppis was a very bright SR star but has since faded to around sixth magnitude. This can be seen in the graph below where we compared Frank Ives' visual measures with those from Hipparcos and Auckland. The fit is good. Herdman was interested in the hump on the rising branch as shown in the lower left and an analysis of Ives' visual measures showed periods of 145 and 103 days. L² Puppis also has alternating main periods like most Mira stars.



In the 1970s no one had seen YY Centauri for a while so the VSS asked us to try to find it. Turned out the period was such that maximum occurred close to the sun. But along the way we discovered another Mira of similar brightness close by.

