

Optical flares in SS433

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Abstract. An analysis of the precessional and orbital variability separately in active and quiescent states was carried out by using the photometric database in V-band of the SAI. The main orbital light curves in the active and quiet states in different precessional phases are approximately the same - primary and secondary eclipses are also observed. There are 30 most bright flares that have been studied on phase diagrams. The phase diagrams show the dependence of the flares' appearance on combination between the nodding phases and the precession phases. An analysis of the above results suggests that the flares originate in jets. Perhaps variations in jet speed cause flares activity in SS433.