



Design and Status of SolarVector Magnetograph (SVM-I) at Udaipur Solar Observatory

<http://www.firstlight.cn> 2010-09-16

We present the status of the instrument called SolarVector Magnetograph Phase-I (SVM-I) currently being developed at Udaipur Solar Observatory. SVM-I is an instrument which aims to determine the magnetic field vector in the solar atmosphere by measuring Zeeman induced

polarization across the spectral line. The instrument is currently in a preliminary

development stage, with all components under an evaluation process. The integration of components is being done. The integrated performance of the system on a tracking mount and its control software is being tested. Some test observations of sunspots has been carried out. In this paper we give a technical description of the hardware and software elements of the instrument and present the polarized images obtained during test observations.

[存档文本](#)