

Differential CCD Photometry of Field RR Lyrae Stars: XX And and SV Eri

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We have observed two Oosterhoff type II field RR Lyrae stars (XX And, SV Eri) with the 61cm telescope and the PM512 CCD camera at Mt. Sobaek Observatory during the observing runs in October and December 1995. We present B,V light curves of these stars. The maximum light times from our observations are combined with the previous observations in the literature to construct phase shift diagrams, from which we determined the period change rates \dot{P} . we obtained large positive period change rates for these stars, which are expected from current evolutionary model if these stars are evolving rapidly from blue to red toward the end of core helium burning phase.