1 Aug 2014

THEMIS target: bright prominence at the East limb THEMIS scan duration: 2 hod 24 min Context H α images from GONG

Target prominence at scan start 15:09

and at scan end 17:33





Evolution of target prominence during THEMIS scan



GONG H α

Disappearance of target prominence (no follow-up filament)



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Reconstructed image of prominence at line center of He I D3 at 5875,66 Å scan time: 2 hod 24 min



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Doppler velocity, scan time: 2 hod 24 min



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Upshot We consider mag. field strength reliable in the regions showing very high peak intensity of Stokes I (see reconstructed image) and very high net linear polarization (p > 0.3)

7 Aug 2014

THEMIS target: loop-like prominence at the West limb THEMIS scan duration: 2 hod 3 min

Movie: evolution of target prominence during THEMIS scan



 $\text{GONG }\text{H}\alpha$

Evolution of target from SDO (author: Peter)



THEMIS (scan time: 2 hod 3 min)





Upshot

standard prominence velocities in the range ±10 kms⁻¹ mentioned in the literature