



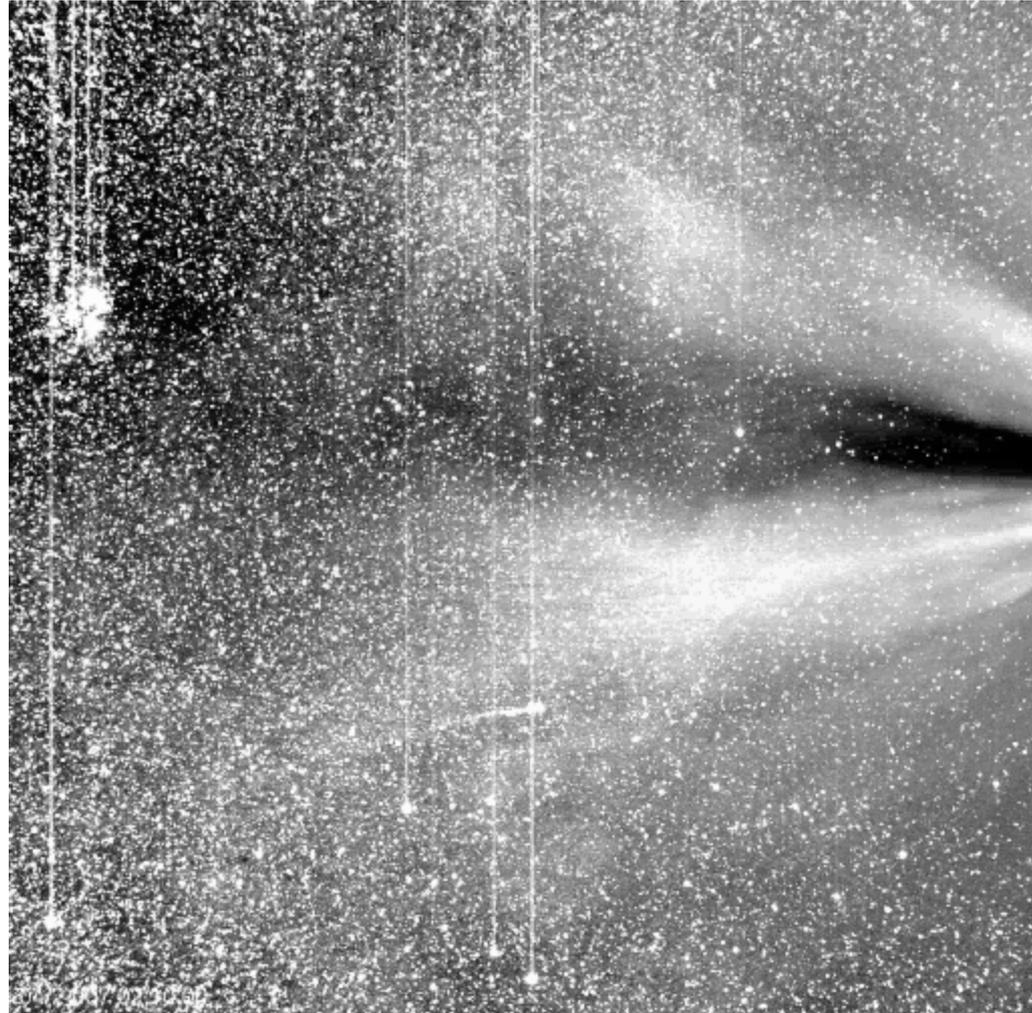
Direct Imaging of Corotating Interaction Regions and their Origins

Angelos Vourlidas

NRL

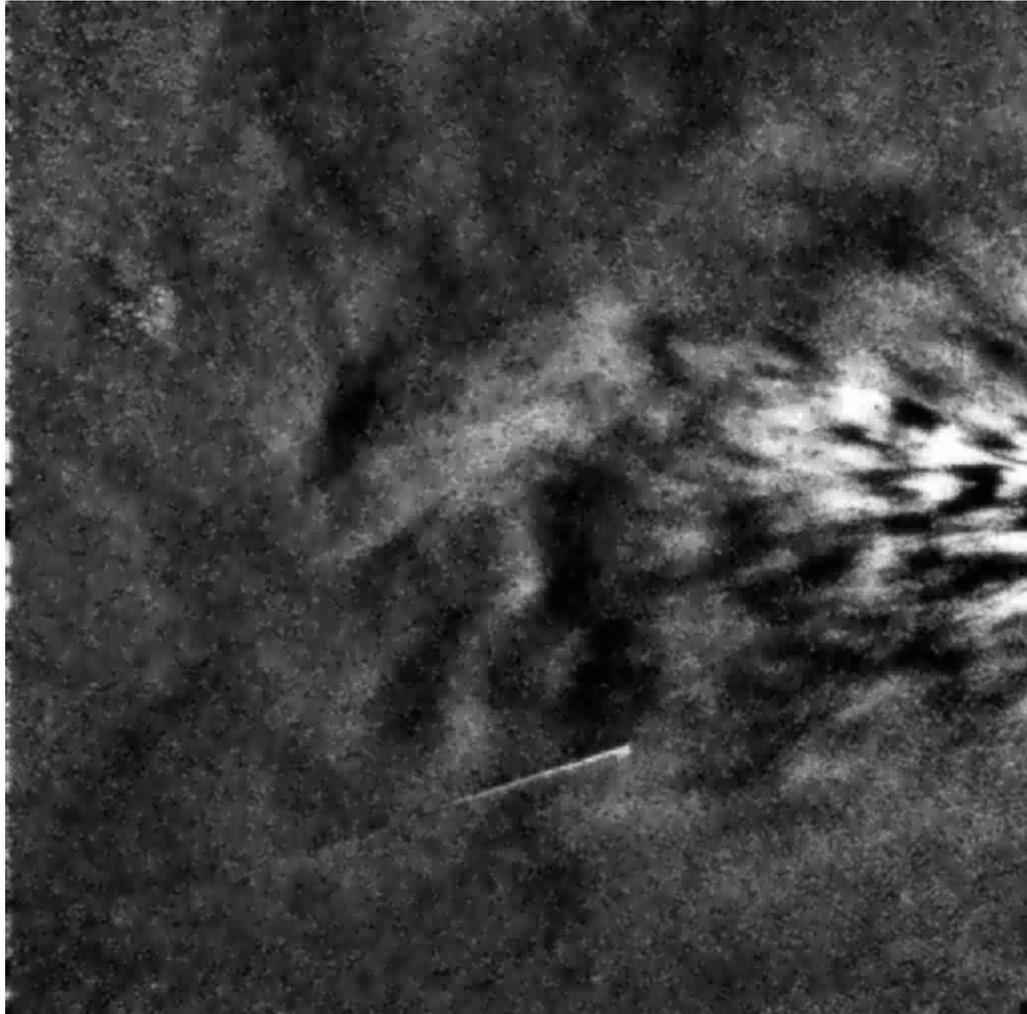
HI detects fast streams in the solar wind

HI-1A observations: April 25 – 27, 2007



Division by 2-day median

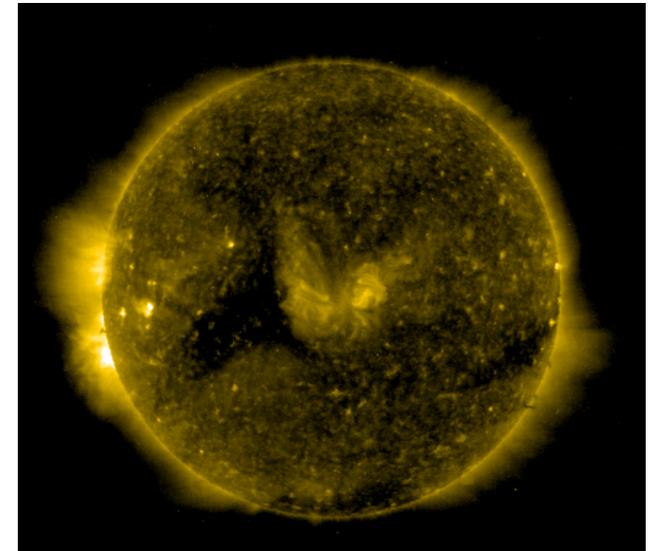
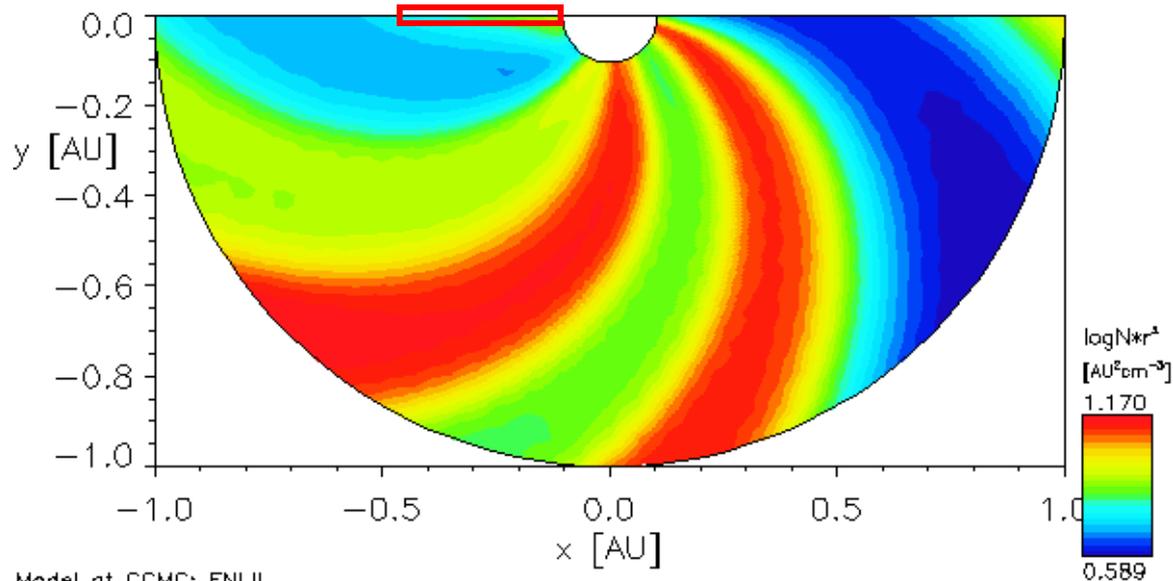
2-hr Running Difference Movie



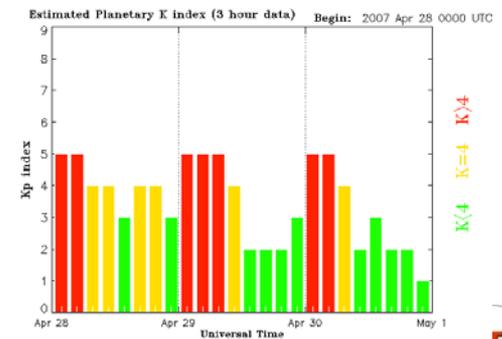
Modeling can help ...

- **CCMC models in support of STEREO:**
 - Equatorial Coronal Hole approaching

04/23/2007 Time = 10:29:12 lat= 0.00°



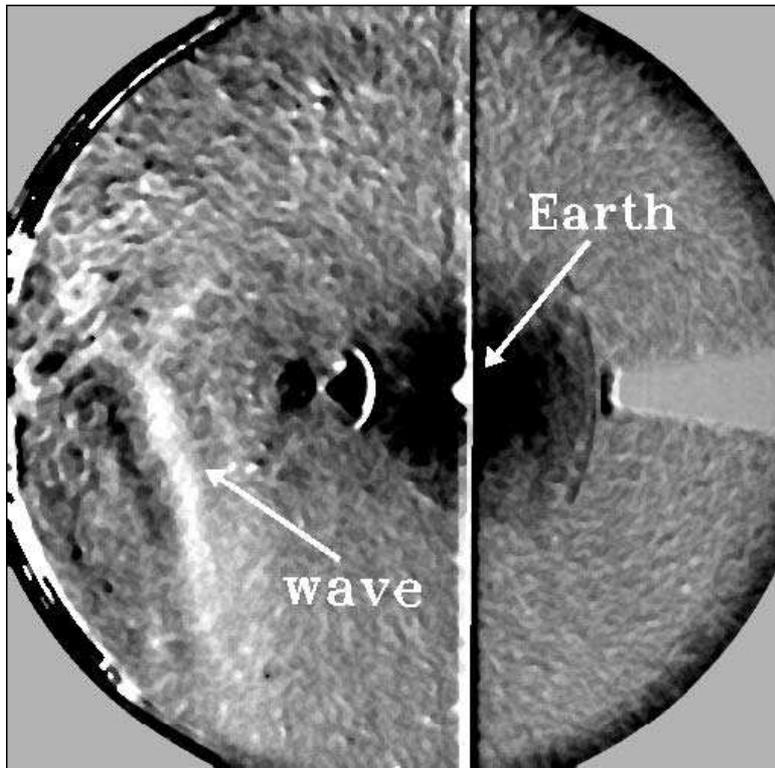
EUVI-A 284A image on April 24



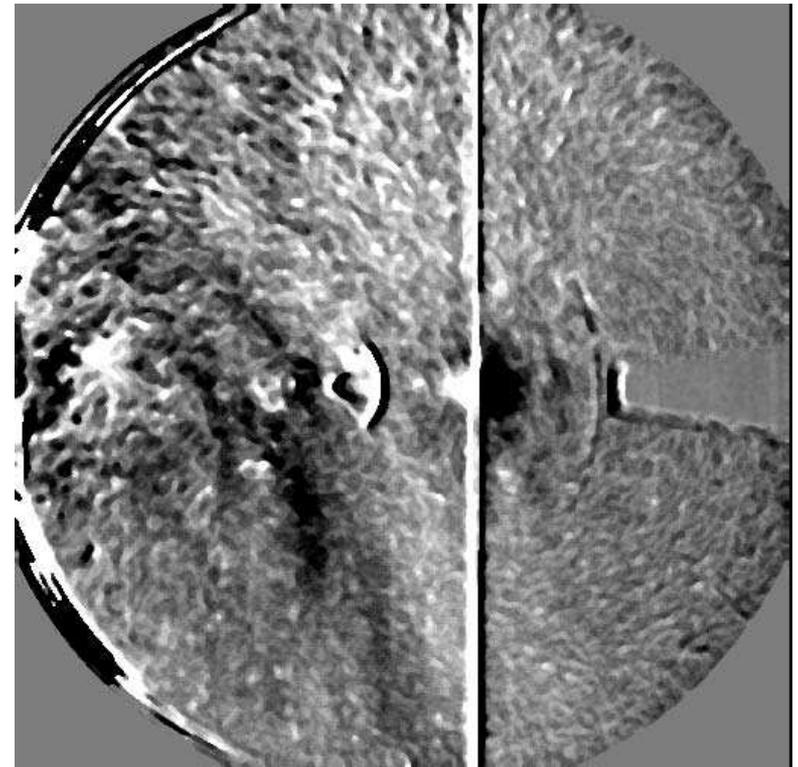
Other analyses

- Comprehensive Study (Sheeley et al. ApJ, Feb 2008)
 - Fall AGU Press Release in preparation
- CIR on Aug 15, July 21 (A. Rouillard et al., submitted?)

From Sheeley et al 2008



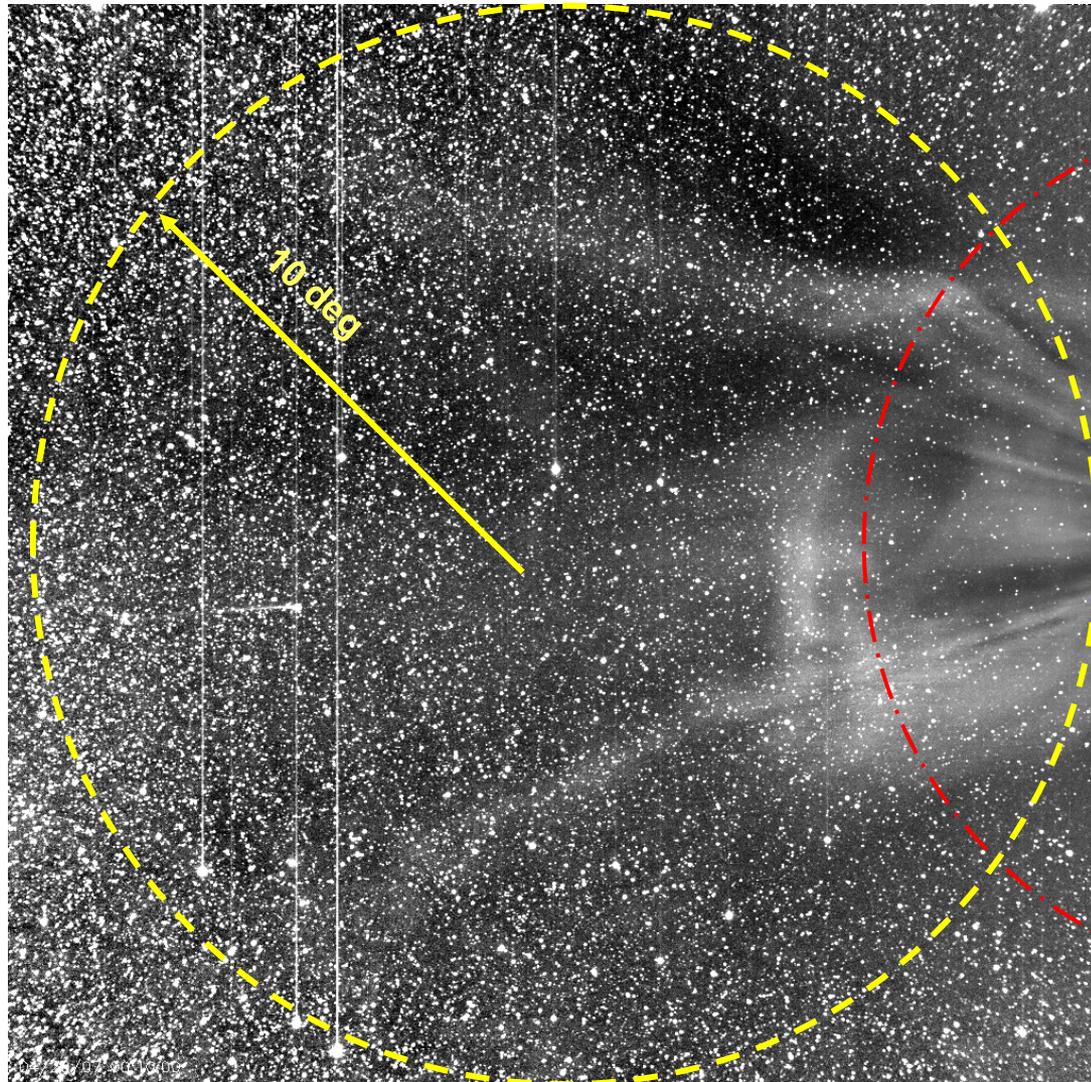
7/19/07 16:10UT



7/20/07 6:10UT

Backup Slides

And then a CME came along...



LASCO C3
Field of View

95 Rs

15 Rs