

# Disembowelling a Bright Points with Hinode

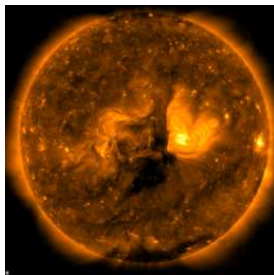
David Pérez-Suárez

J.G. Doyle, R.C. Maclean and M.S. Madjarska

Hinode Workshop, Orsay

November 13-15, 2007

# Bright Points



# Available data

- SoHO
  - EIT
  - MDI
  - SUMER

- TRACE

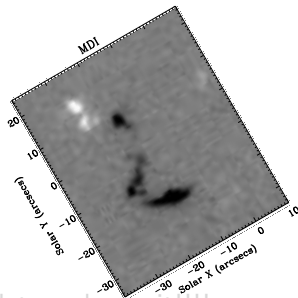
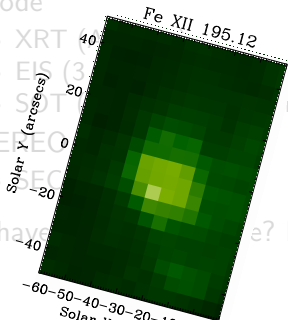
- 1550

- Hinode

- XRT (3 windows)
  - EIS (3 windows)
  - SOT (3 windows)

- STEREO

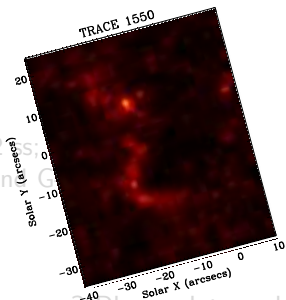
- SEC



Do you have a bright point? Please, let me know it!!!!

# Available data

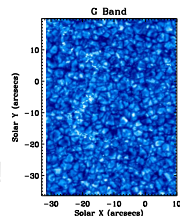
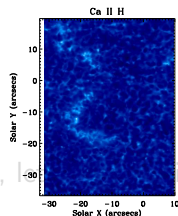
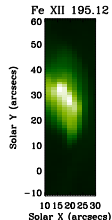
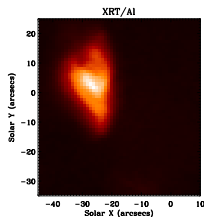
- SoHO
  - EIT
  - MDI
  - SUMER
- TRACE
  - 1550
- Hinode
  - XRT (Al mesh)
  - EIS (3 scan + 2 scans)
  - SOT (Ca II H and G)
- STEREO
  - SECCHI



Do you have any other source? Please, let me know it!!!!

## Available data

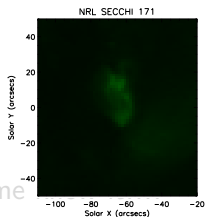
- SoHO
  - EIT
  - MDI
  - SUMER
- TRACE
  - 1550
- Hinode
  - XRT (Al mesh)
  - EIS (3 scan + 2 ss; 9 windows)
  - SOT (Ca II H and G-Band)
- STEREO
  - SECCHI



Do you have any other source? Please, let me know!!!!

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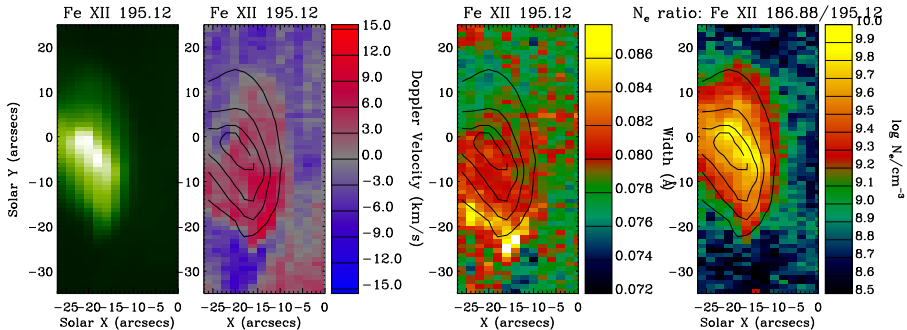
Do you have any other source? Please, let me

# Available data

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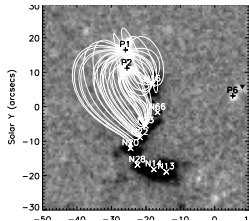
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## Spectroscopic analysis

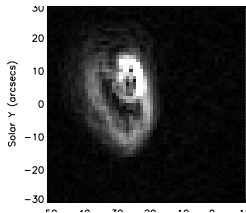




# Magnetic topology



# Magnetic topology



# Next steps

- Temperature Diagnostic (XRT)
- SOT Magnetogram
- STEREO loop informations
- Study inside the BP (alignment between instrument needed)

# Software

- SSWIDL
- Eclipse 5.0 (ESO)  
<http://www.eso.org/projects/aot/eclipse/>  
Fits files manipulation
- HEASoft <http://heasarc.gsfc.nasa.gov/lheasoft/>  
fits files visualitation and analysis.
- The Gimp <http://www.gimp.org/>  
GNU Image Manipulation Program
- FFMPEG <http://ffmpeg.mplayerhq.hu/>  
`ffmpeg -r 10 -b 15M -i imagen-%04d.jpg eitmovie.mp4`

# Thanks to:

- The Organization of this Workshop
- The EIS community for their contribution to the wiki
- All of you

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