Simultaneous disk and limb views of quiet Sun dynamics
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STEREO

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Behind observed He II 304
75s cadence

Ahead observed Fe IX 171
75s cadence
The two views

90 degrees between the two spacecraft

grid lines every 10 degrees
Mini CME/Surge

Snapshots

Macropicule triggered by wave

running diff 171 A 304 A
Prominence
Macrospicules

Click for ch.gif
coronal hole spicule height

spicules in coronal hole and quiet Sun similar at 10 Mm

macro-spicules in coronal holes at 16 and 24 Mm
Macrospicule EUV Dimmings

EUV brightening and dimming associated with each macrospicules
Final slide

- Reprocessing of plasma by microflares
- Evolution directed by magnetic field
  - Quiet Sun: Prominences, small loops, jets
  - Coronal hole: Jets, small loops

Questions

Photospheric flows -> microflare
Microflare -> Prominence
Waves -> magnetic field