



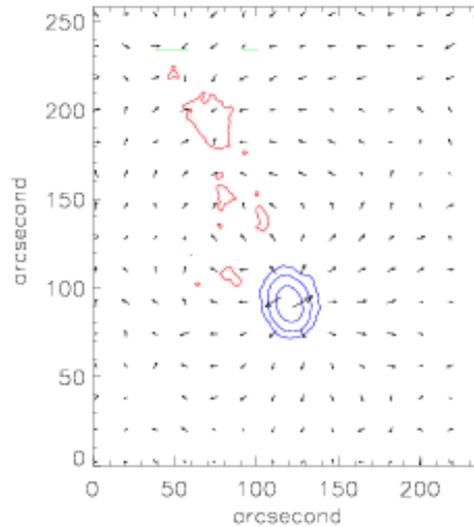
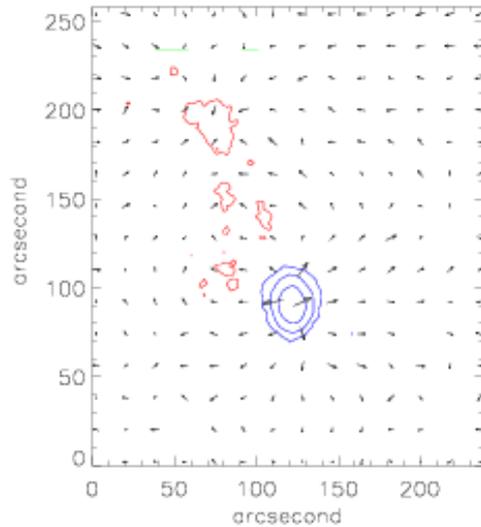
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# **Search For Magnetic Field Changes During 1997 May 12 Event**

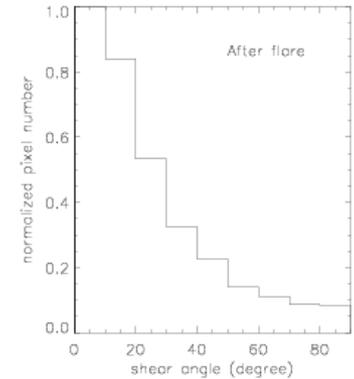
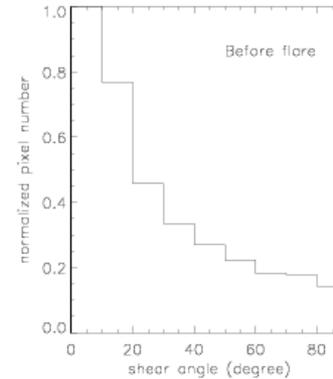
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# Magnetic Field of AR8038 During the Event



Averaged vector magnetograms before (left) and after (right) the flare.



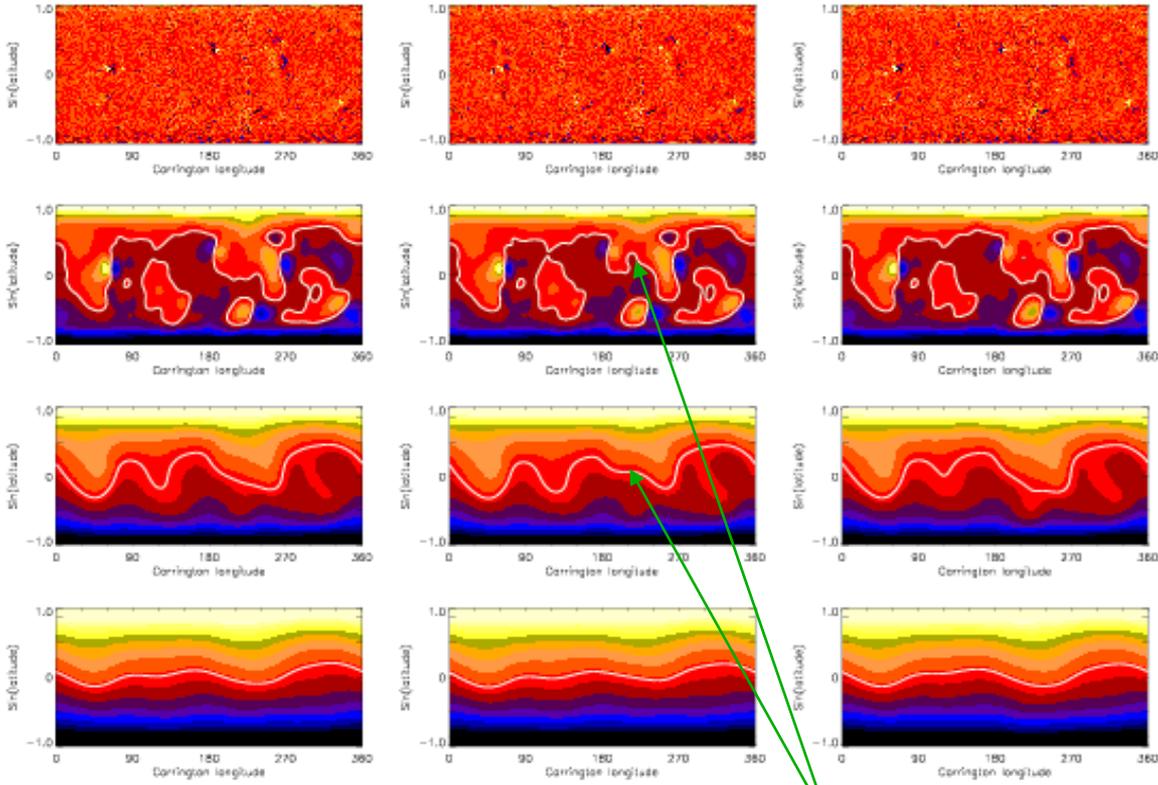
Histograms of magnetic shear angles before (left) and after (right) the flare.

➤ The small-scale changes are indicated by magnetic shear calculated from observed photospheric vector magnetograms.

Poster 4



# Large-Scale Magnetic Field During the Event



Br @ 1.0Rs

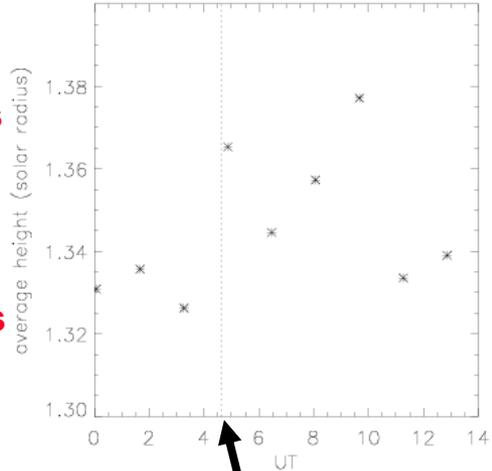
Br @ 1.2Rs

Br @ 1.7Rs

Br @ 2.5Rs

Change of magnetic field

Average Height vs. Time



Flare Occurrence

➤ The large-scale changes are inferred by a modeled coronal magnetic field (PFSS model), computed from the observed photospheric magnetic field.