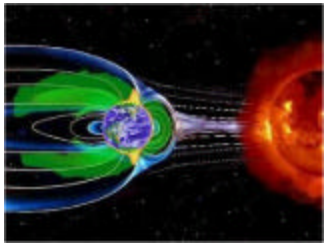


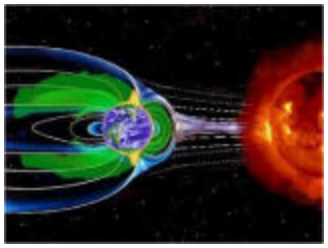
LABORATORY FOR EXTRATERRESTRIAL PHYSICS

Code 692, Interplanetary Physics Branch

Theory and Modeling Team Member Mei-Ching Fok Supports IMAGE Energetic Neutral Atom Discoveries

Dr. Mei-Ching Fok, USRA, Research Scientist in LEP, provides theory support to the IMAGE mission for the study of geospace storms.

- Born: Hong Kong
- PhD: U. Michigan, 1993
- National Research Council Research Fellow 1993-1995.
- USRA Research Scientist 1995-present.
- IMAGE Participating Scientist
- Principal Investigator or Co-Investigator for multiple NASA SR&T projects.
- International Authority on Theory of Geospace Storms



LABORATORY FOR EXTRATERRESTRIAL PHYSICS
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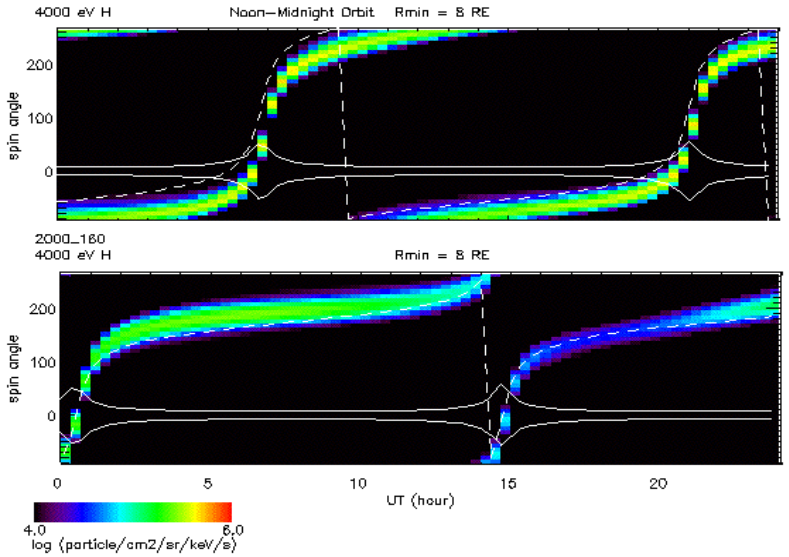
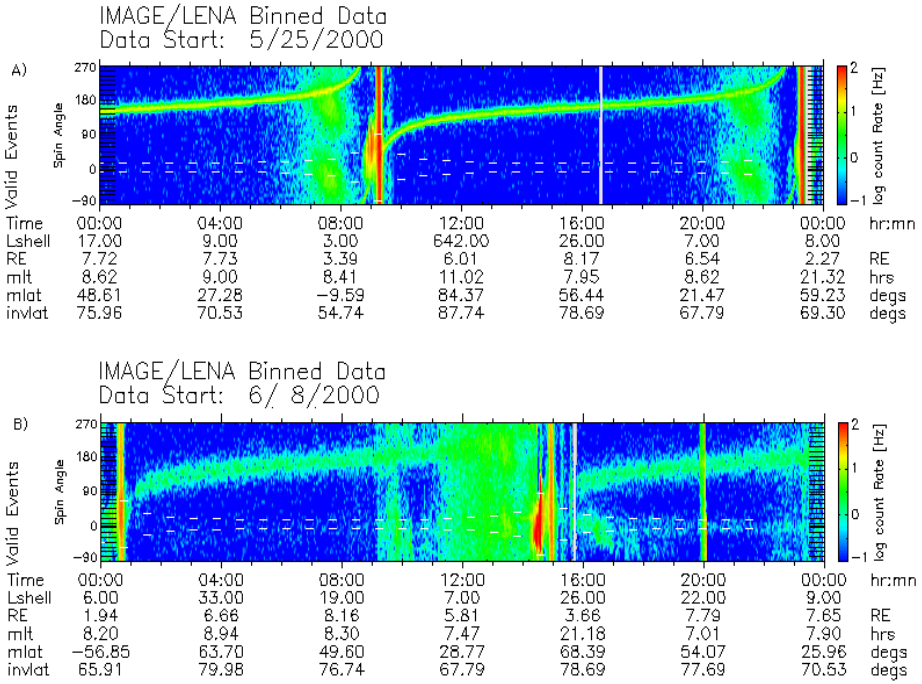
Modeling of Solar Wind Neutral Atoms Discovered by IMAGE/LENA

- Simulations of SWLENA Spinograms
  - Flux computed along LOS from s/c to 50 RE for image every 2 minutes.
  - Images collapsed to orbit plane, laid up as strips.
    - Upper Panel: sun in FOV
    - Lower Panel: sun beyond FOV



After Collier, Fok et al., JGR, in press, 2001.

- Observations of SWLENAs Spinograms
  - Flux measured by IMAGE LENA imager, at 2 minute time spacing.
  - Images are collapsed to orbit plane, laid up as strips vs. time.
    - Upper panel: sun in FOV
    - Lower panel: sun beyond FOV



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