Session H7

Local Helioseismology Data Products

Discussion Topics/Leaders

13:15 – 13:40 Science Comparison Products – R. Komm

13:40 – 14:00 Common Input Data Products – R. Bogart

14:00 – 14:35 Method-specific Products – M.C. Rabello-Soares

Ring Diagrams
Time-Distance
Acoustic Holography
Farside Imaging

14:35 – 14:45 Wrap-up – R. M. Larsen

HMI/AIA Team Meeting
Monterey, 13-17 Feb. 2006

Local Helioseismology Teams

Ring Diagrams
Time-Distance
Acoustic Holography
Farside Imaging
Comparisons

Team tasks

Specify required/desired pipeline input and intermediate data products, including ancillary data products (e.g. inversion kernels)

Specify algorithms (including alternative approaches), parameters and metadata as appropriate for pipeline analysis

Specify testing/validation procedures

Suggest implementation schedule

Team organization

Each team should designate a person or persons responsible for individual pipeline element implementation and data production

Include both algorithm experts and persons familiar with the pipeline system

HMI/AIA Team Meeting
Monterey, 13-17 Feb. 2006

Tracked Regions

primary input for most local helioseismic analysis
(except farside imaging)

Observables	Doppler for sure; Continuum? Modulation? B?
Location, Geometry	Grid vs. features; Shape, size, aspect ratio, orientation
Projection	
Tracking	
Times, Duration	
Detrending	Foreshortening effects