Meridional Flows from GONG Travel Time Measurements

Shukur Kholikov

- 10 years of GONG data to increase precision/depth & study time variations
- Reconstructed velocity images for GONG Classic
- $m = 0$ SHT for longitudinally averaged meridional flow
- Comparisons with MDI TT measurements
MDI & GONG
Same Time Interval

1996-2001

Time delay (seconds)

Sin (Latitude)
Original & reconstructed image
GONG+ measurements

\[ \Delta = 4-7^\circ \]
Temporal Variation of the Meridional Flow