Large-scale flows

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Introduction

- Zonal and meridional flow from HMI Carrington rotation 2100 and 2104
- Derived vertical velocity and vorticity
- Comparison with GONG
Zonal flow from HMI
Meridional flow from HMI
Meridional flow from GONG
Vertical flow from HMI
Vertical flow from GONG
Vertical vorticity from HMI
Vorticity from GONG
Vertical velocity from HMI
Vertical velocity from GONG

CR 2100
Mean actual depth: 7.1 ± 1.6 Mm
Vertical velocity HMI: 11093
Vertical velocity GONG: 11093
Zonal vorticity from HMI

CR 2100
Mean actual depth:
7.1 ± 1.5 Mm
Zonal vorticity from GONG
Summary

- HMI flow maps cover higher latitudes.
- Average flows from HMI show expected behavior.
- HMI and GONG maps are similar.
- Next: quantitative comparison with GONG. (What large-scale average to subtract?)