



Supplementary Material for

Giant Convection Cells Found on the Sun

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Figs. S1 to S3

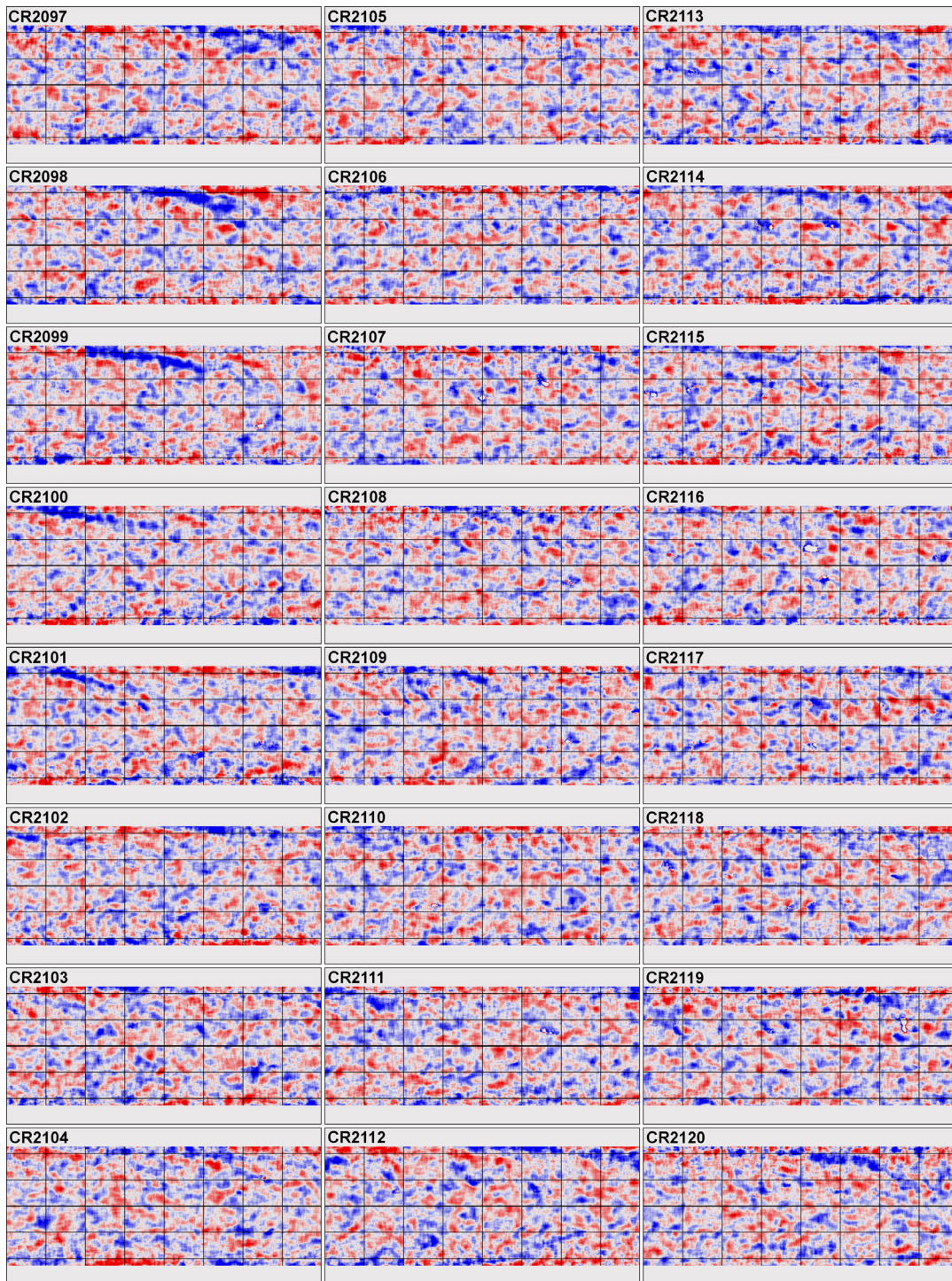


Fig. S1

Supergranule longitudinal flow velocity maps for the first 24 solar rotations (May 2010 to March 2012) observed with HMI. Many features persist and drift with the Sun's differential rotation for several months.

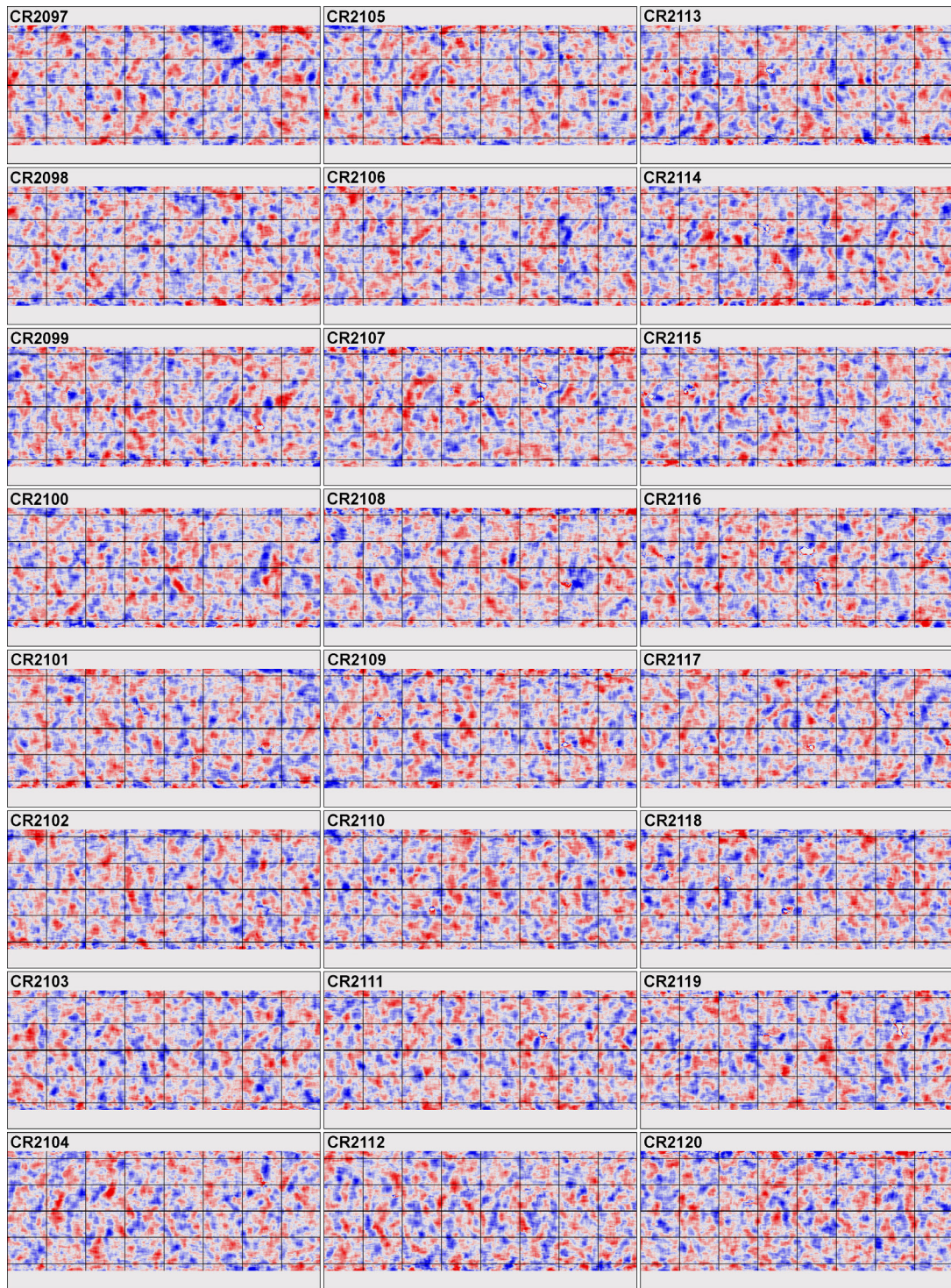


Fig. S2

Supergranule latitudinal flow velocity maps for the first 24 solar rotations (May 2010 to March 2012) observed with HMI. Many features persist and drift with the Sun's differential rotation for several months.

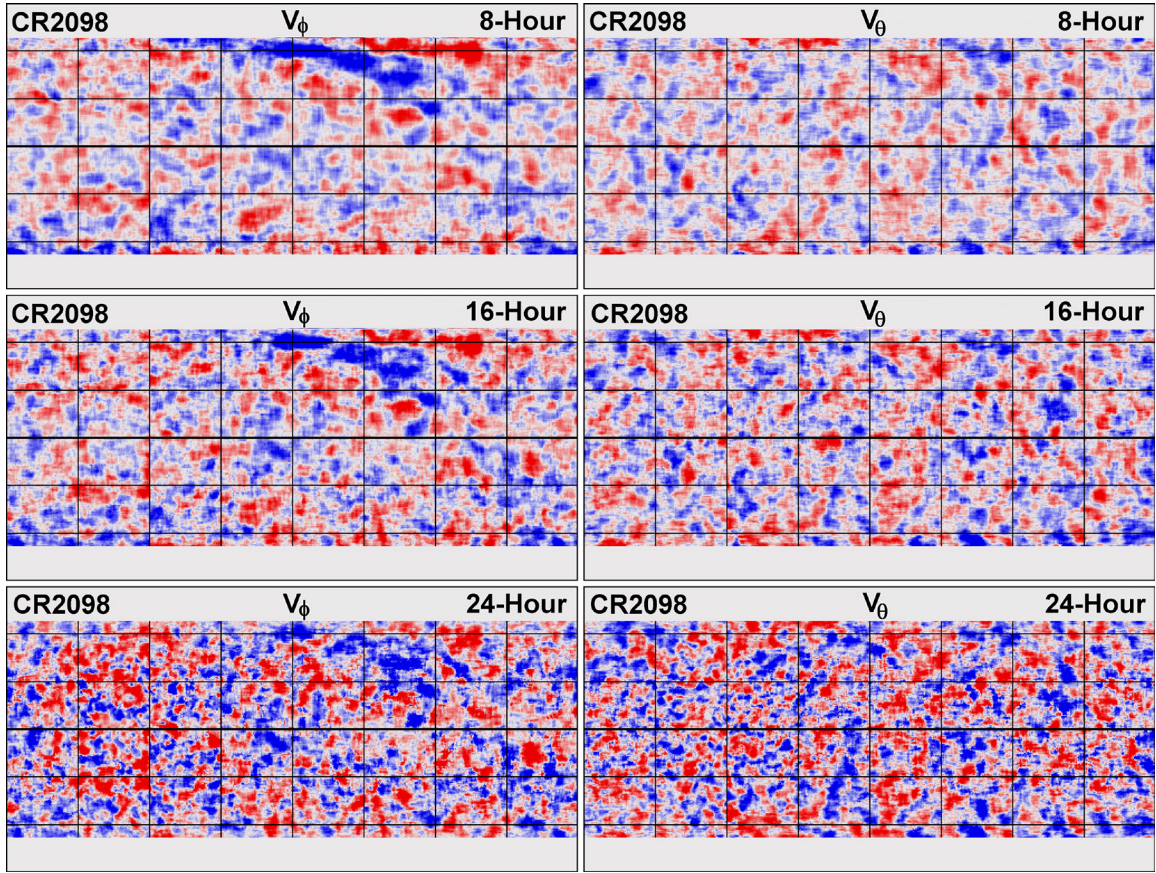


Fig. S3.

Supergranule flow velocity maps for different time-lags. The longitudinal (left) and latitudinal (right) velocity of the supergranules were measured using three different time-lags for the cross-correlation: 8 hours (top), 16 hours (middle), and 24 hours (bottom). The same velocity pattern is obtained with all three time lags. The primary difference is an increase in velocity amplitude with time-lag.