

Magnetic field measurements

first vector magnetic field inferences along an individual, resolved coronal loop structure extending up to heights of 70 Mm (0.1 R_{Sun}), and the first polarimetric measurements of coronal loops located on disk

off limb measurements

Tomczyk et al. 2008

- azimuth of the magnetic field from linear polarization(ambiguity in orientation):
$$\phi = 0.5 \arctan(U/Q)$$
- strength of L.O.S magnetic field from zeeman shift

Magnetic field measurements

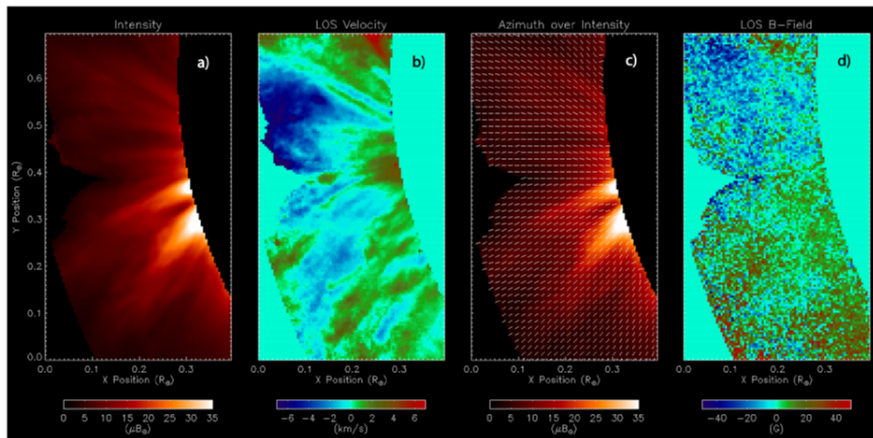


Figure 8 Map of inferred values of coronal parameters over the subarray shown in Figure 7. (a) The intensity of the Fe XIII 1074.7 nm emission line; (b) The LOS velocity; (c) The intensity with superimposed vectors showing the plane-of-sky direction of the magnetic field; (d) The LOS component of the coronal magnetic field.

Figure 1: Tomczyk et al. 2008 measurements