Comparison of radial magnetic field at 0.9 $R_J$ and the zonal wind profile as measured at the surface (Simon et al., 2015). The correspondence suggests shear of the Great Blue Spot to westward below the equator & eastward above.

The zonal flows can only interact with the magnetic field if they penetrate to depths (~3000 km) where the electrical conductivity of the Hydrogen envelope is large enough to grip magnetic field lines.