JGR: Planets

Supporting Information for

The dynamic response of Jovian magnetotail reconnection to enhanced solar wind ram pressure

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Additional Supporting Information (Files uploaded separately)

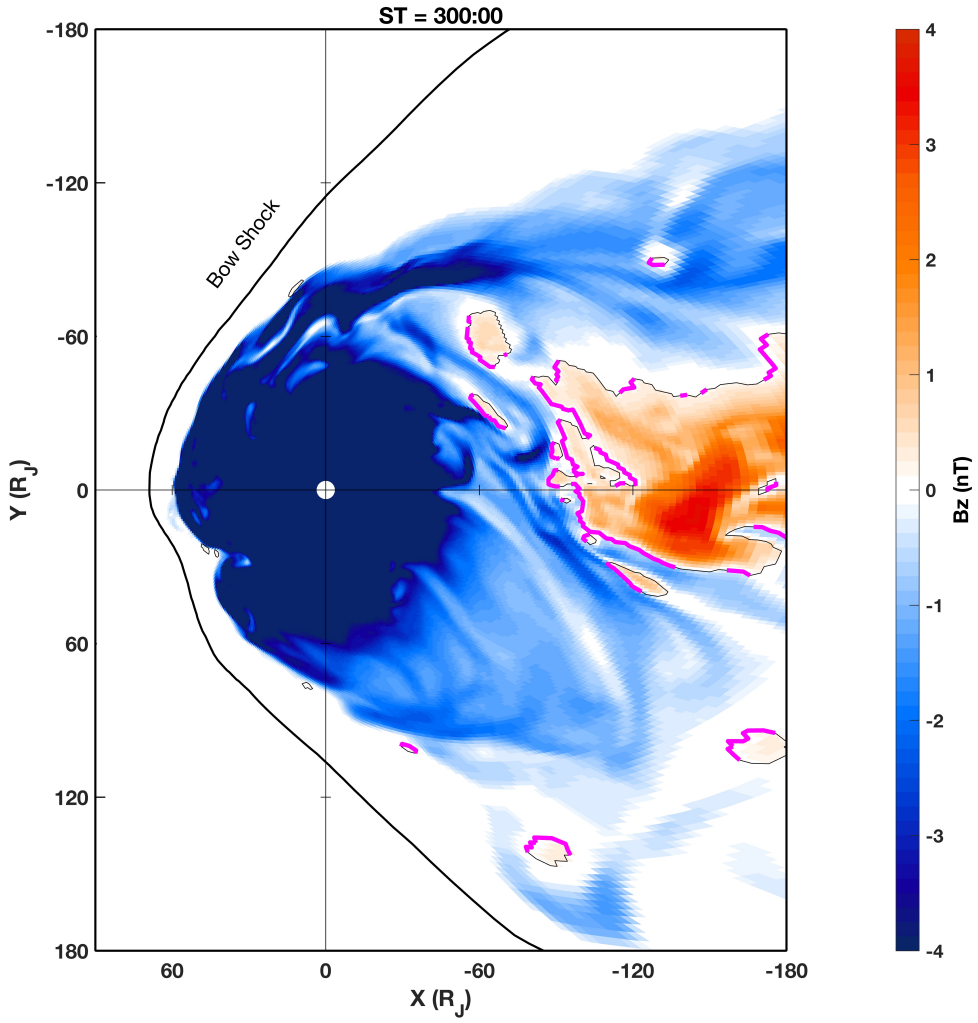

Figure S1. The distribution of the north-south component of the magnetic field (B_z, positive northward) at the equatorial plane of Jupiter's magnetosphere at 300:00 simulation time (ST) from the GAMERA. The magenta lines represent the B_z reversal positions, where B_z has a reversal from southward (parallel to the inner background field) to northward (antiparallel to the inner field) as radial distance increases at a given azimuthal angle on the nightside ($X < 0$).

Movie S1. The evolution of (a) the north-south component of the magnetic field (B_z, positive northward), (b) plasma number density (N), (c) azimuthal flow (V_ϕ, positive anticlockwise), and (d) radial flow (V_r, positive outflow) at the equatorial plane of Jupiter's magnetosphere during 300:00-390:00 ST from the GAMERA.