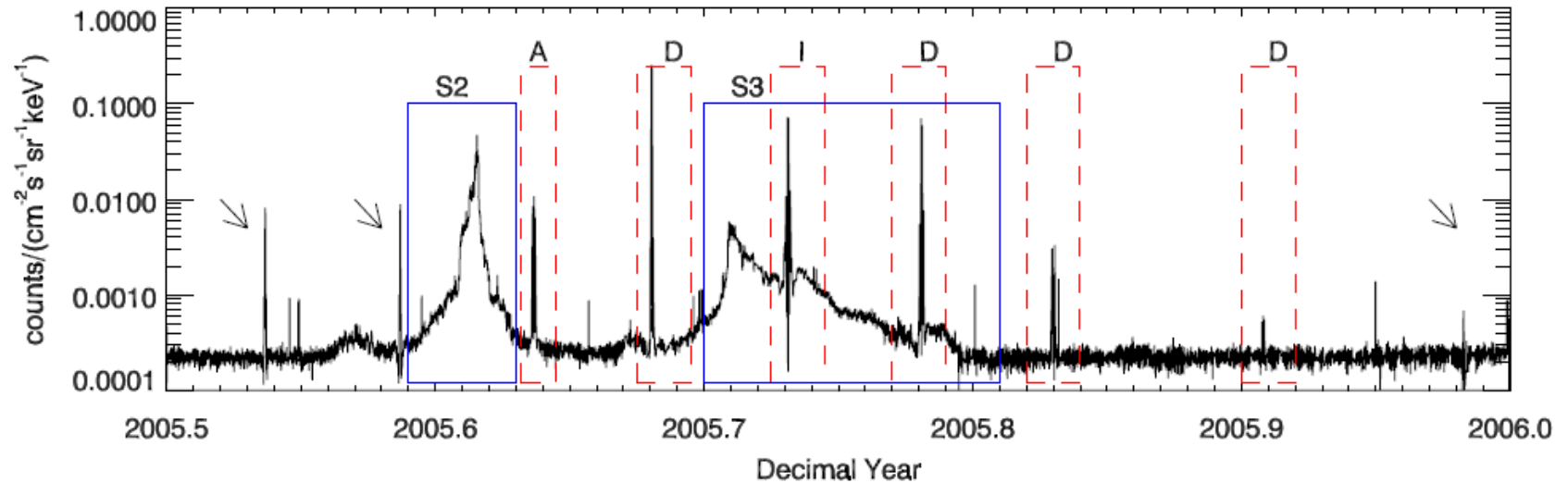
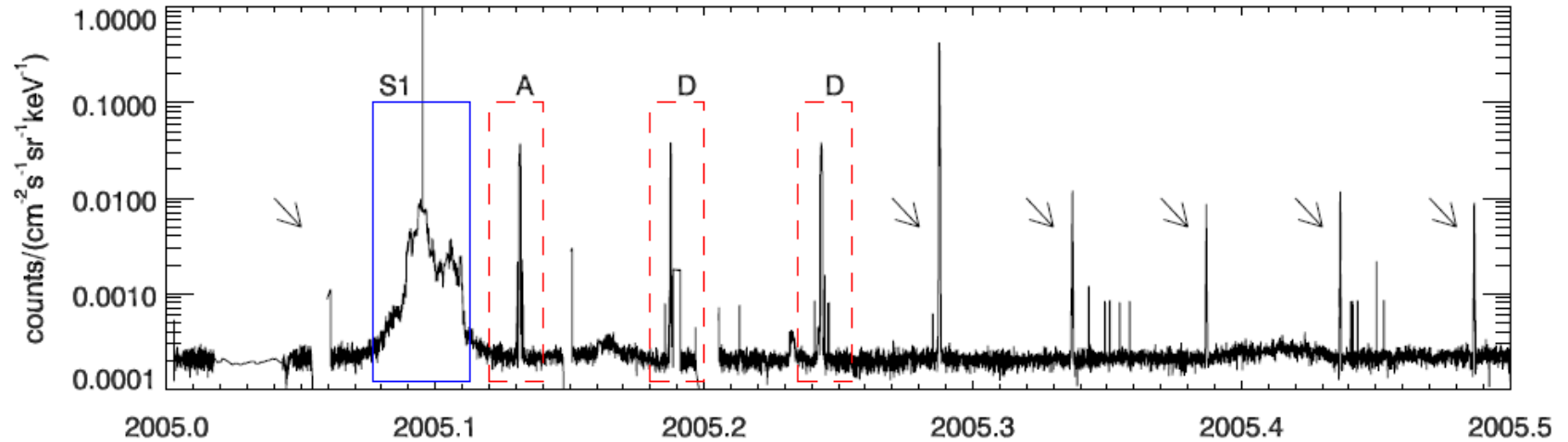


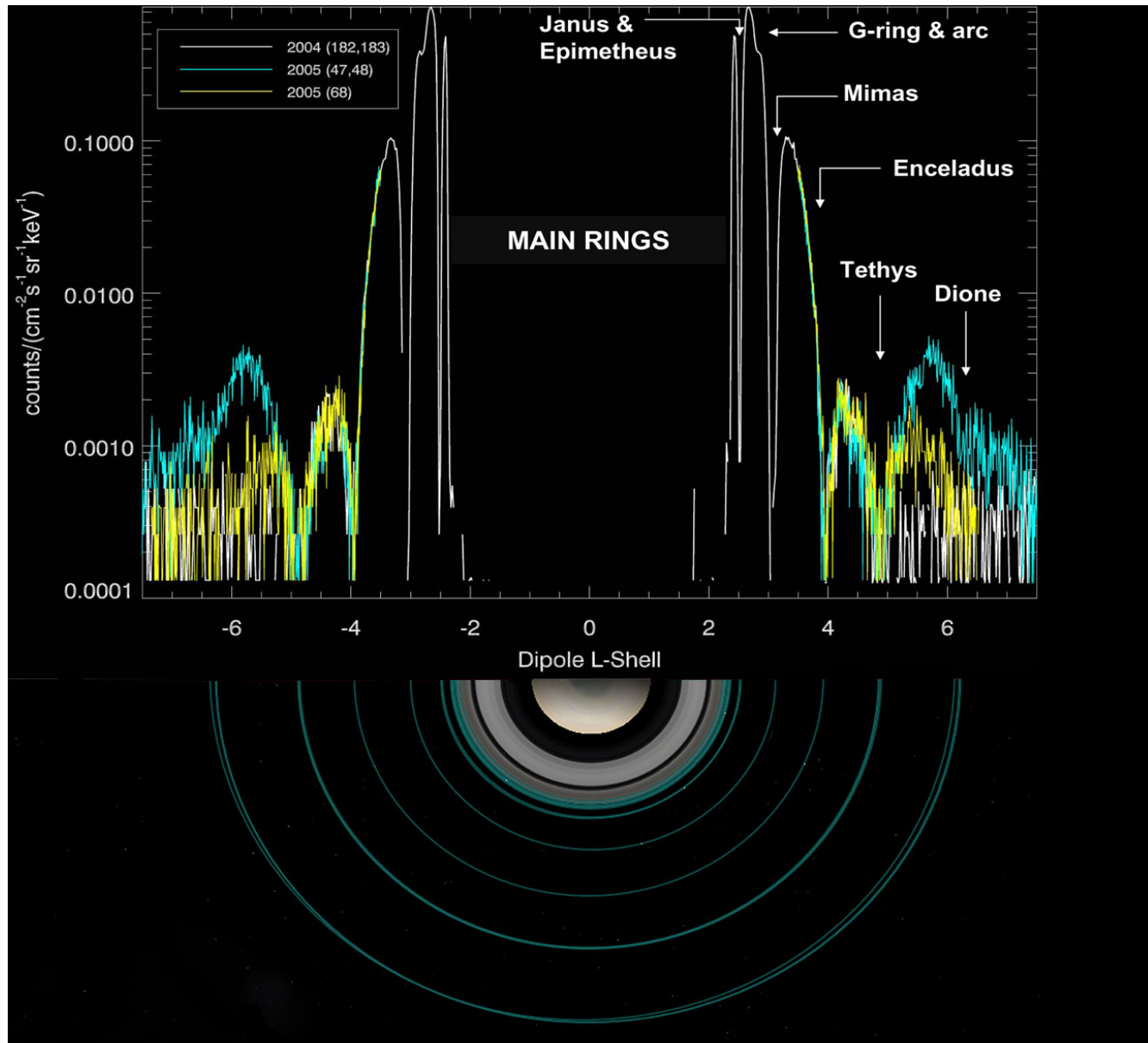
Solar wind interaction at Saturn Cassini MIMI/LEMMS results

new input for science case SC 3.1

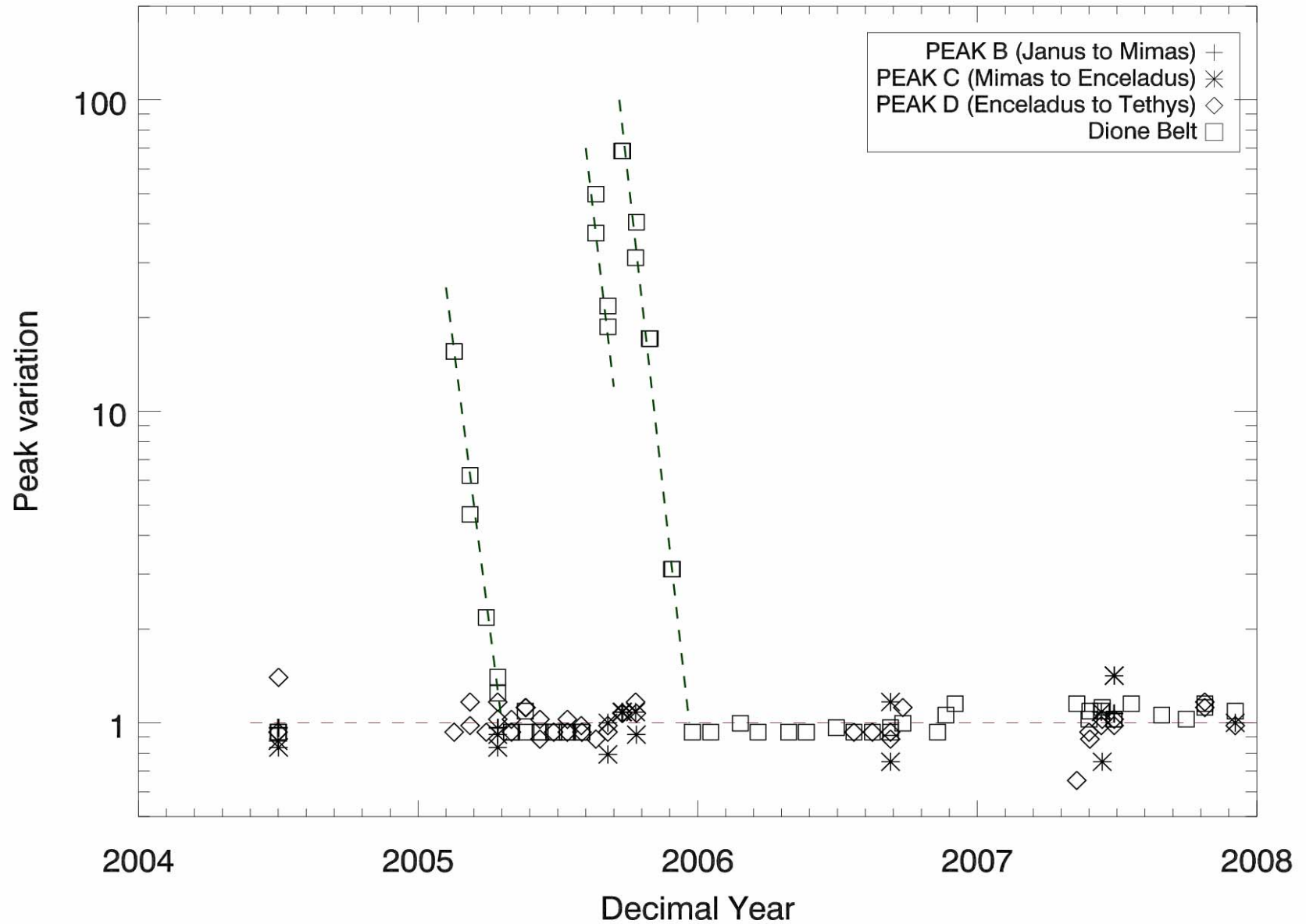
Solar wind events in 2005



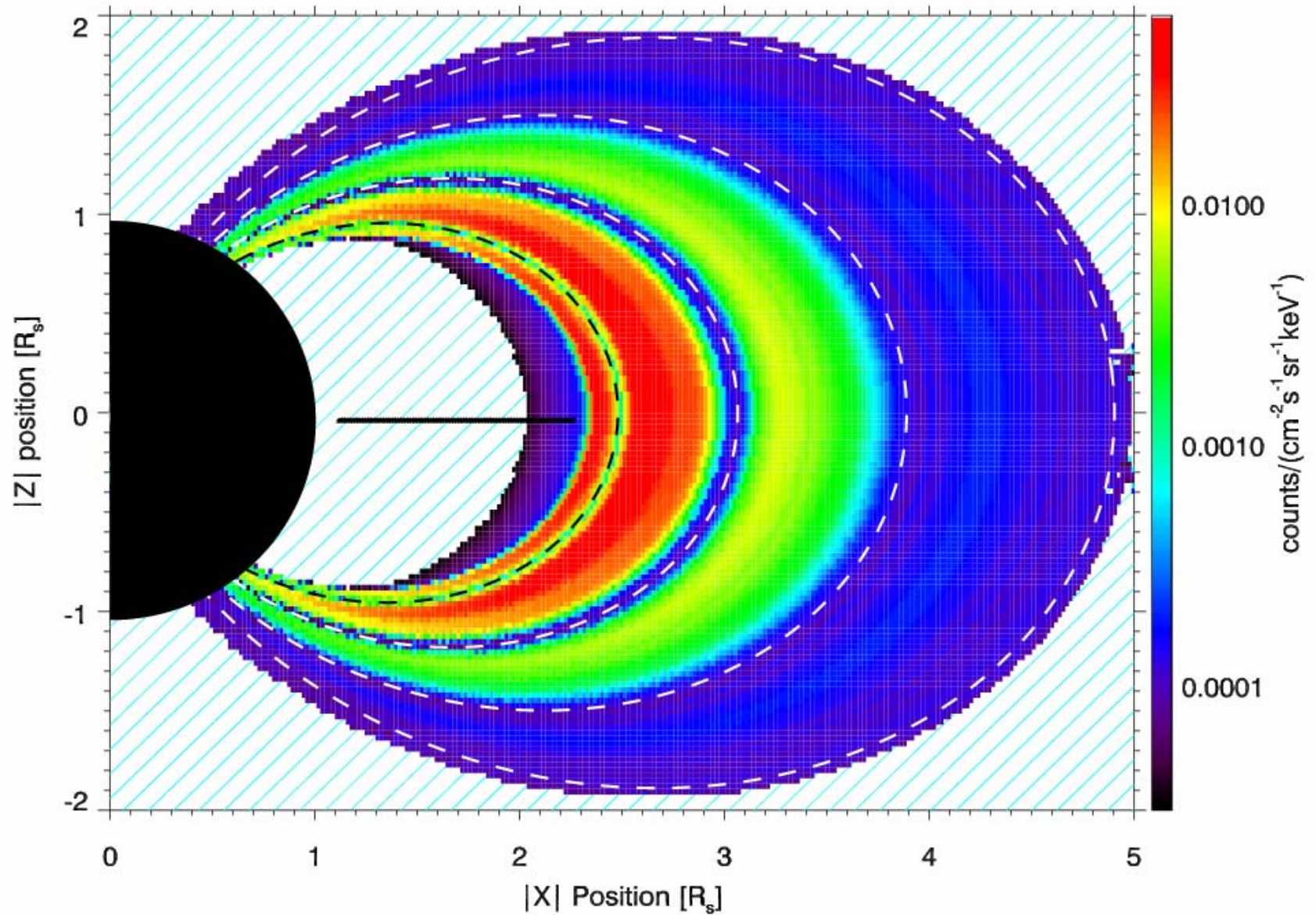
Additional radiation belt close to Dione



Time profile after events



Flux maps of MeV protons



Pressure profiles during events

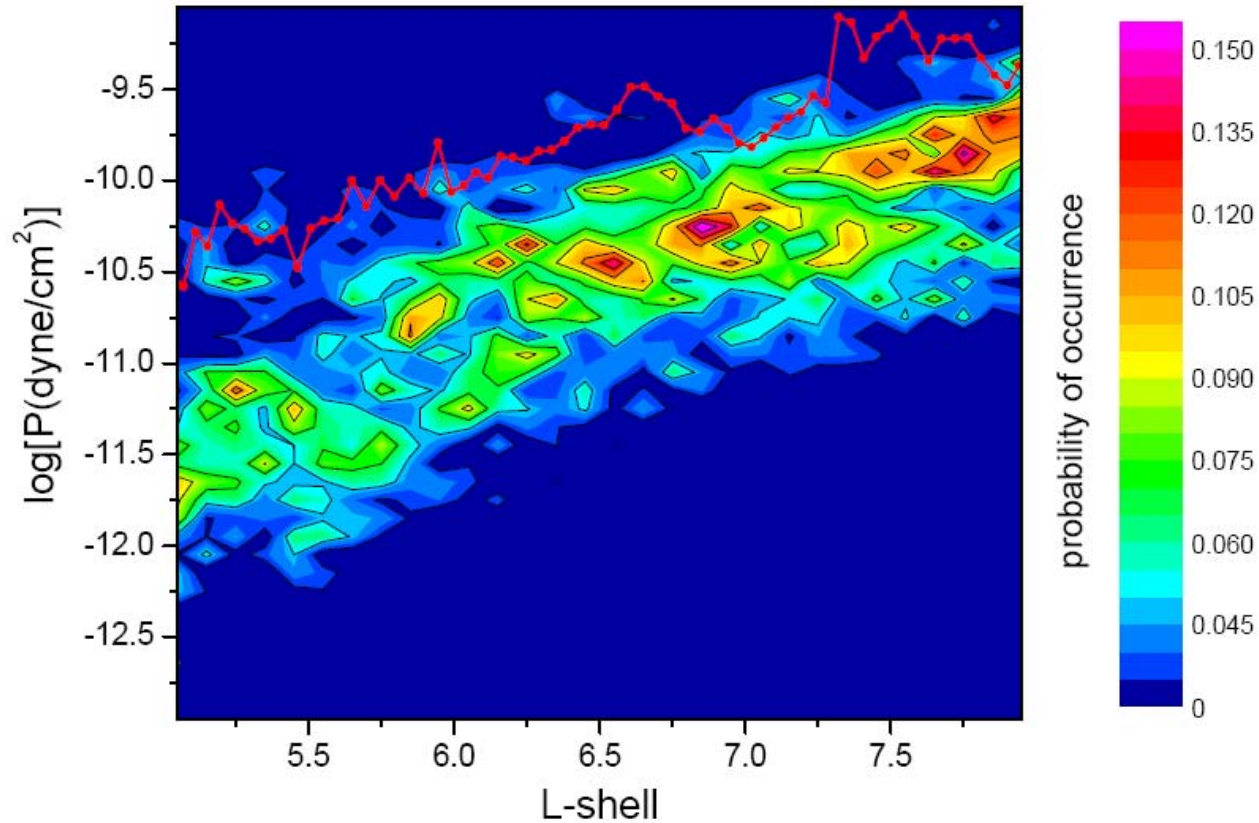


Figure S4 Radial pressure profile for the energetic ($E > 3$ keV) protons, measured during the equatorial plane orbits of Cassini (days 265/2005 to 182/2006). The data used in this diagram were statistically weighted, to compensate for the uneven radial coverage and therefore the color

Position of Saturn and Earth

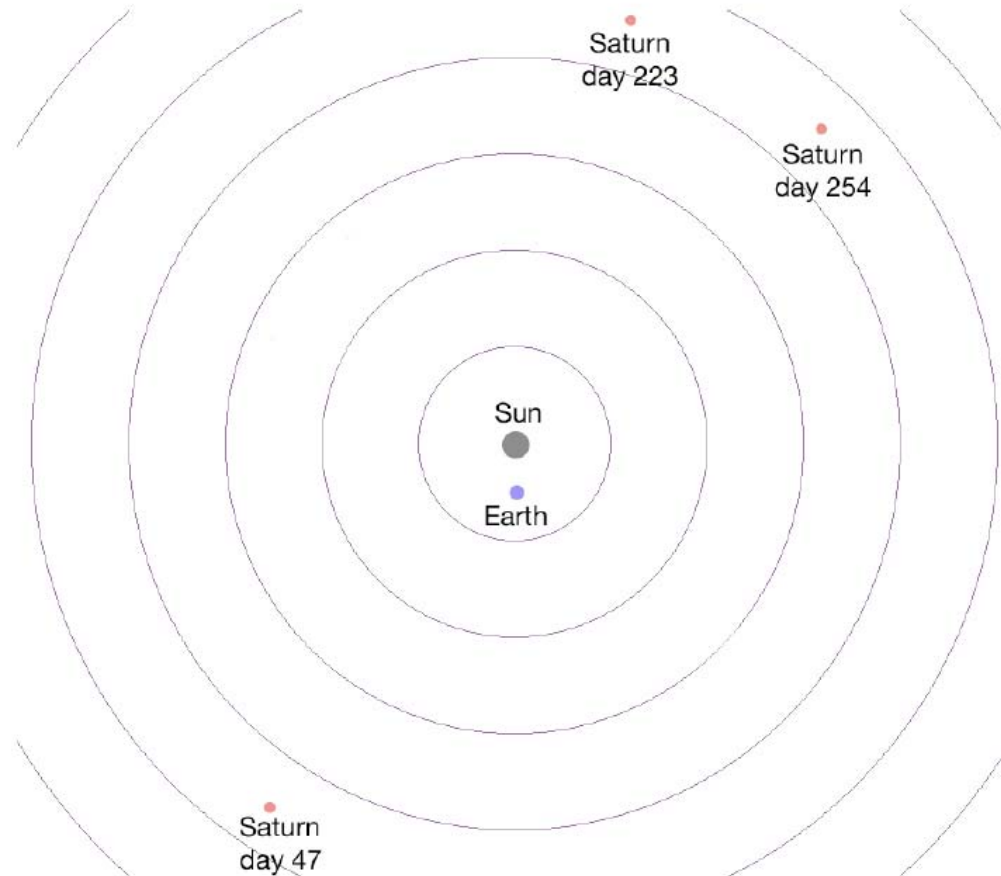


Figure S5 Relative locations of Sun, Earth, and Saturn during 2005, viewed from a point north of the ecliptic plane, in a coordinate system where the Sun-Earth line is fixed. Concentric circles are 2 astronomical units (AU) in radius. In this system, Saturn's motion is in a clockwise direction.