

Amplitude vs. Time

- S^+ and S^{3+} (minor ion species in the torus) vary azimuthally with an amplitude of $\sim 15\%$
- O^+ and S^{++} (the dominant ion species) are much more stable, with variations on the 2-5% level
- Amplitude of azimuthal variations shows modulation with time.
 - Amplitude peaks near Day 279 and 308
 - S^+ and S^{3+} amplitudes change by a factor of 3 over modulation cycle
- At no time does the amplitude go to 0
 - Longitudinal variations in the torus plasma are always present.