

Amplitude vs. Time

- S II and S IV (minor ion species in the torus) show average variations around 10-15%
- O II and S III (the dominant ion species) are much more stable, with variations of 2-5%
- Amplitude of longitudinal variations shows modulation with time.
 - Amplitude modulation peaks near Day 279 and 308
 - S II and S IV amplitude change by a factor of 3
- At no time does the amplitude go to 0 i.e. longitudinal variations in the torus plasma composition are always present.