

# Longitudinal Trends

- Torus exhibits up to factor-of-two variations in  $M_{S\ II}$ ,  $M_{S\ IV}$ , and  $T_e$  with longitude on short timescales
- Long-term variations are relatively minor
- Torus ansa is  $\sim 5\%$  brighter near  $\lambda_{III} = 110^\circ$  and  $\sim 5\%$  fainter near  $\lambda_{III} = 340^\circ$
- Model-derived  $T_e$  is  $5\%$  greater near  $\lambda_{III} = 40^\circ$  and  $\sim 5\%$  lower near  $\lambda_{III} = 170^\circ$
- Scatter in data points is  $>5\%$