

# Weak and Strong Modulation

- The following two plots show the ion mixing ratios vs. an arbitrary phase in a 10.07 hour period (the derived subcorotation period) during periods of weak (epoch 4) and strong modulation (epoch 7).
- Color coding of data points represents the time of the observation
- Consecutive observations are connected by lines
- Clear variations with phase
- S II and S III nearly  $180^\circ$  out of phase with S IV and O II
- The peak of the S II and S III variations are offset, as are the peaks of S IV and O II.