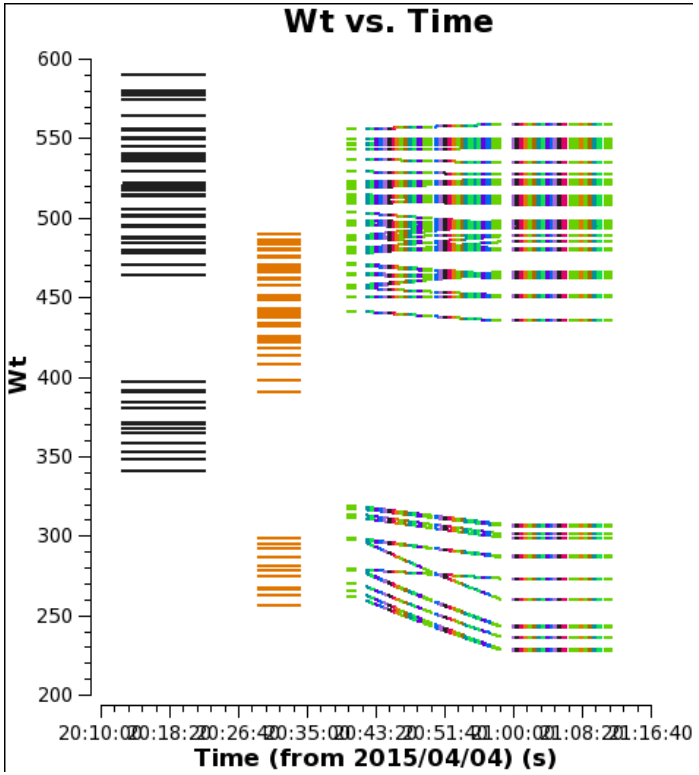
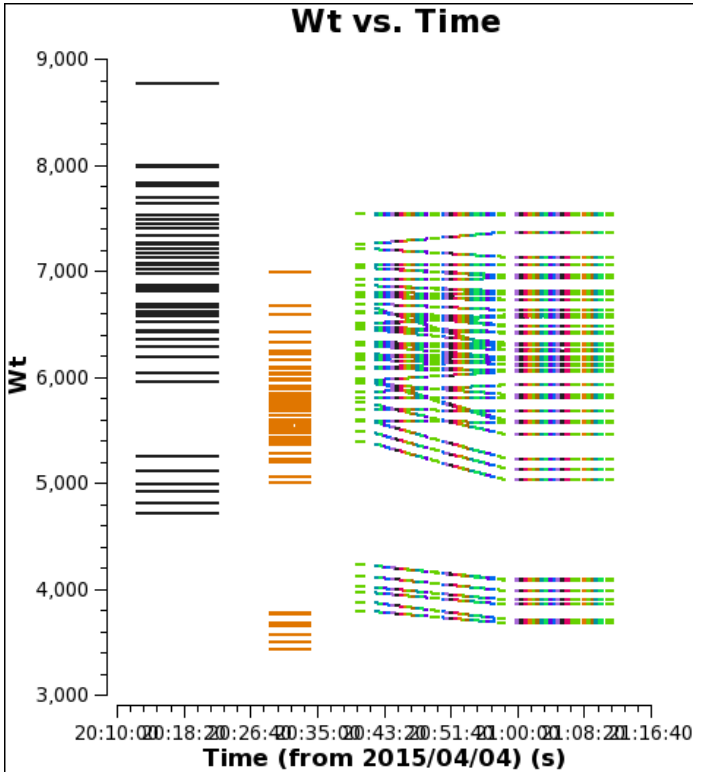
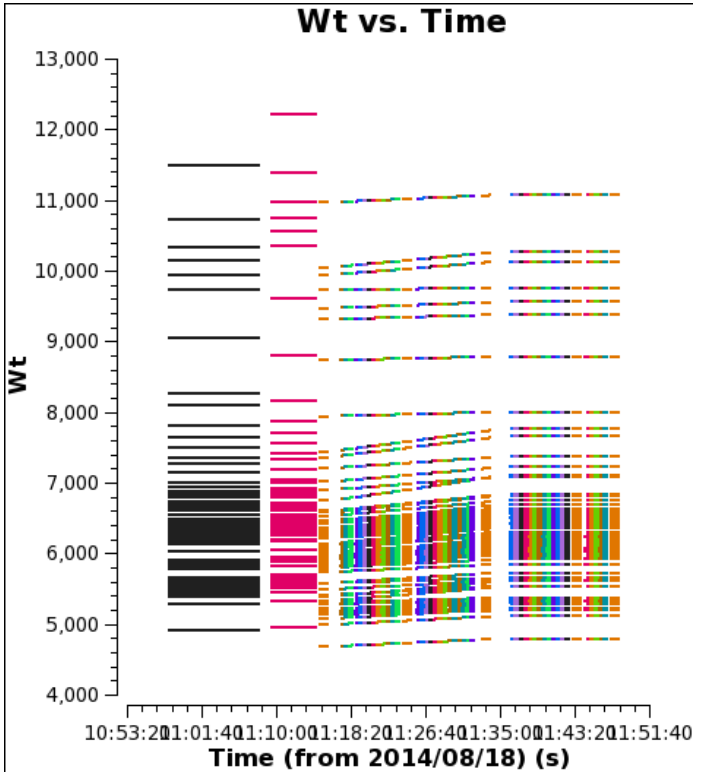
Weight plots

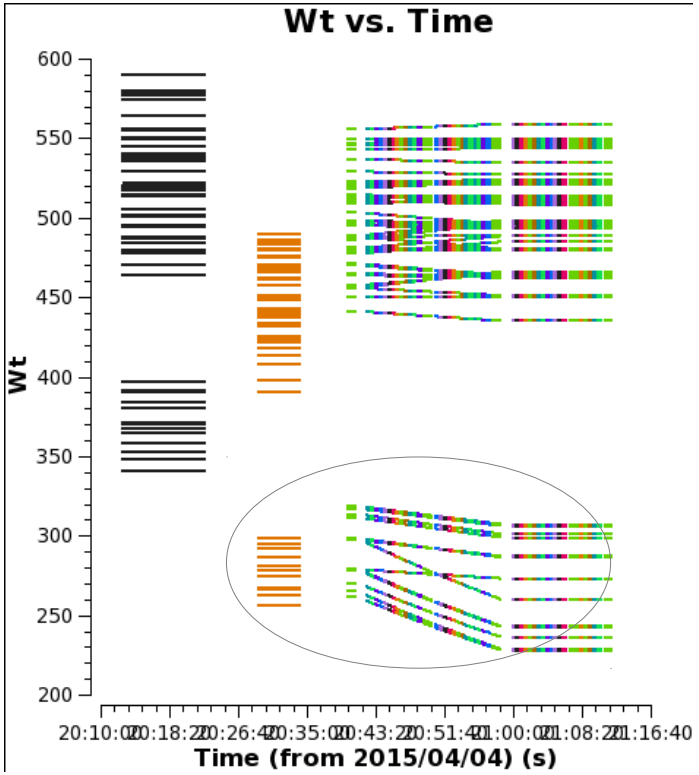
From my notes in the QA2 training:
"All fields should have similar weights, and flat through the observation. Check for outliers."

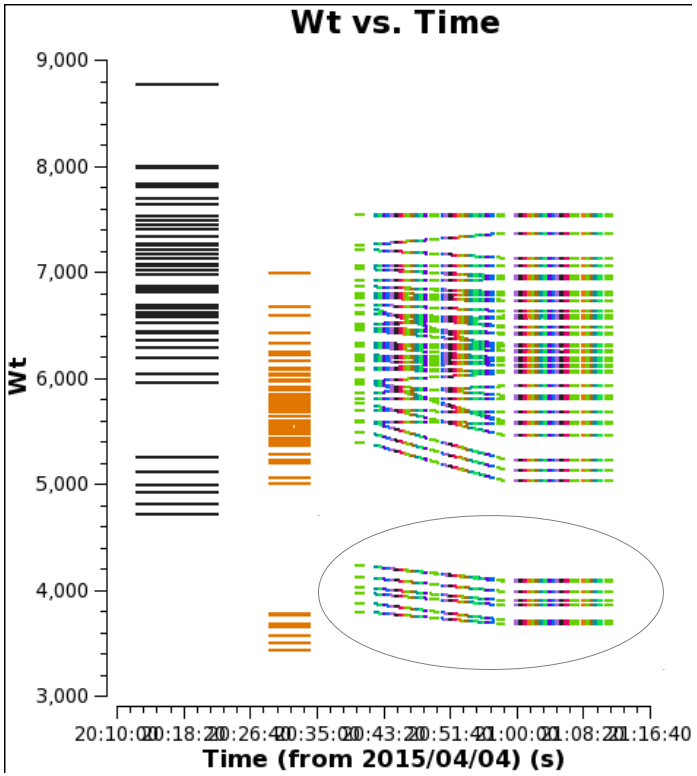
There are some “allowed” differences:
– between sources due to different elevation
– between FDM and TDM spws (for larger channel widths, the statistics to compute weights are better and then weights larger)



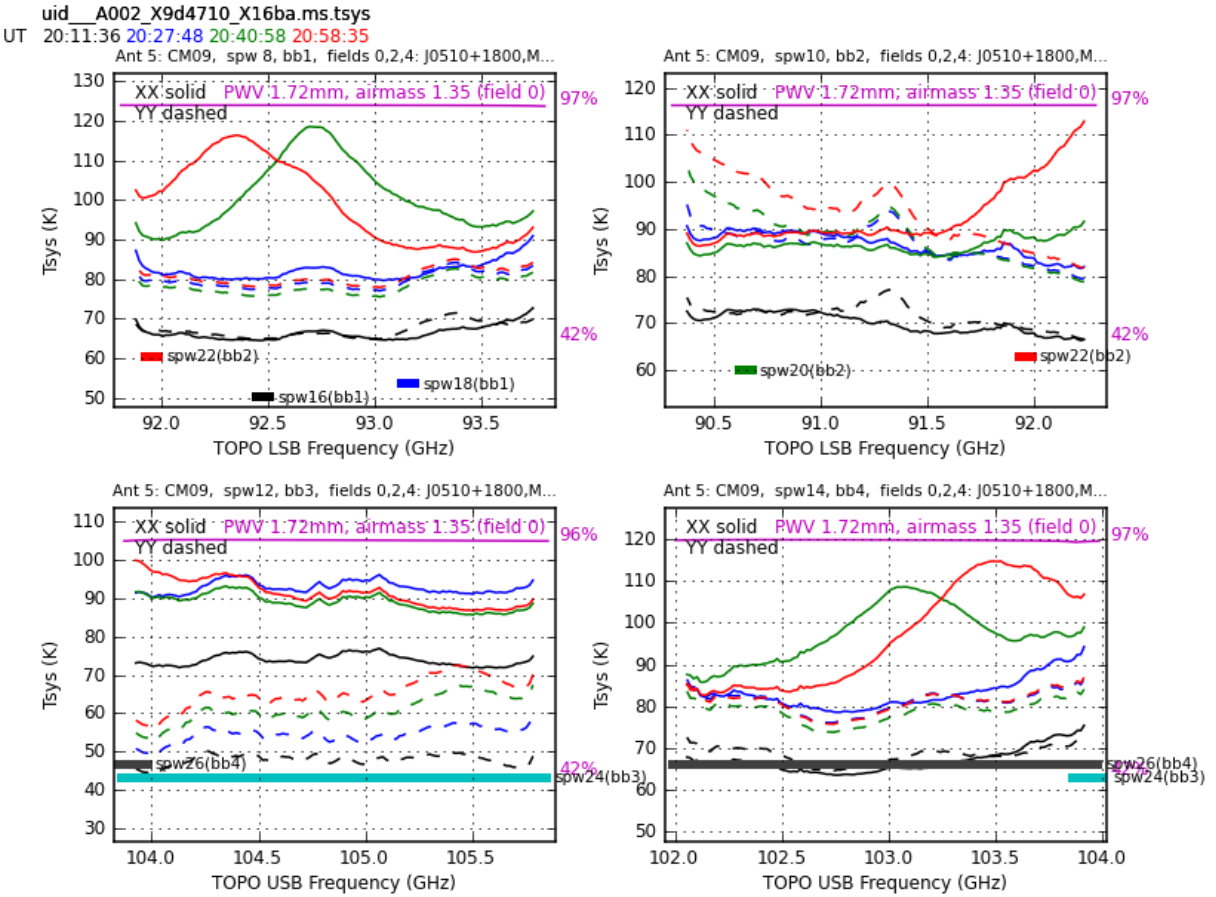


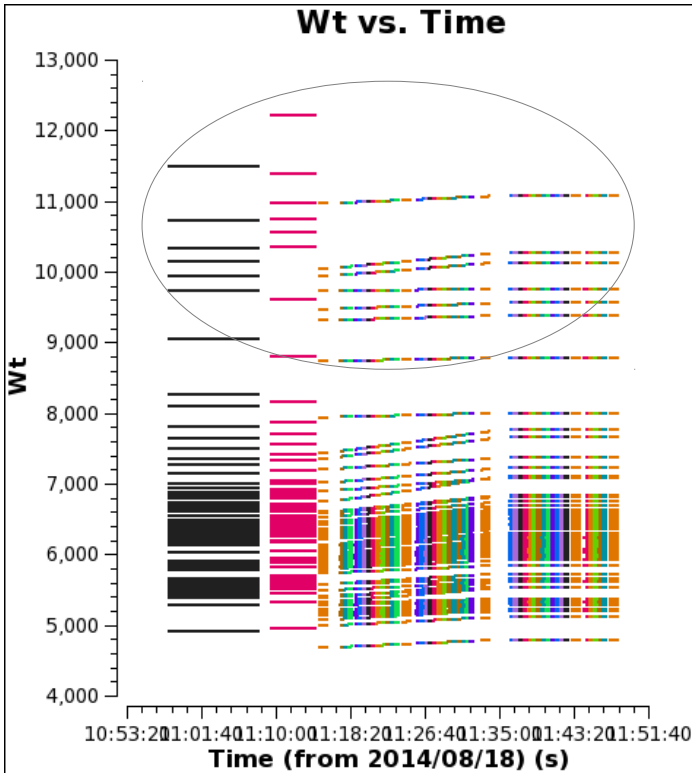




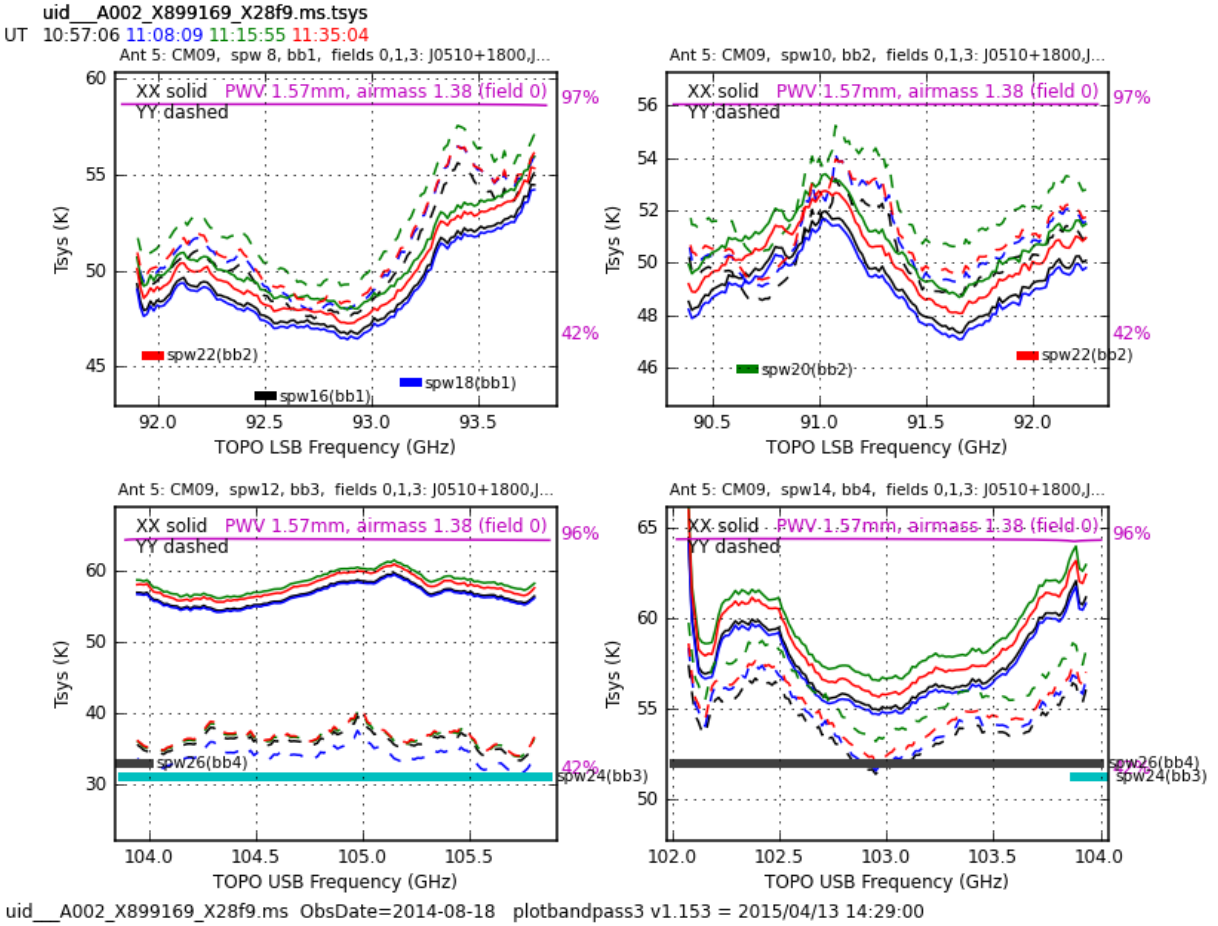


➔ From one antenna, showing higher tsys than the others (~50K)





➔ From one antenna and only one polarization, showing lower tsys than the other polarization



Probably, all this is fine, since the weights should correct for the difference in tsys between antennas etc.

➔ then no flagging needed only based on the weights...

However, in the latter example I flagged the antenna because there was and issue in the calibrated data (seen in the flux calibrator):