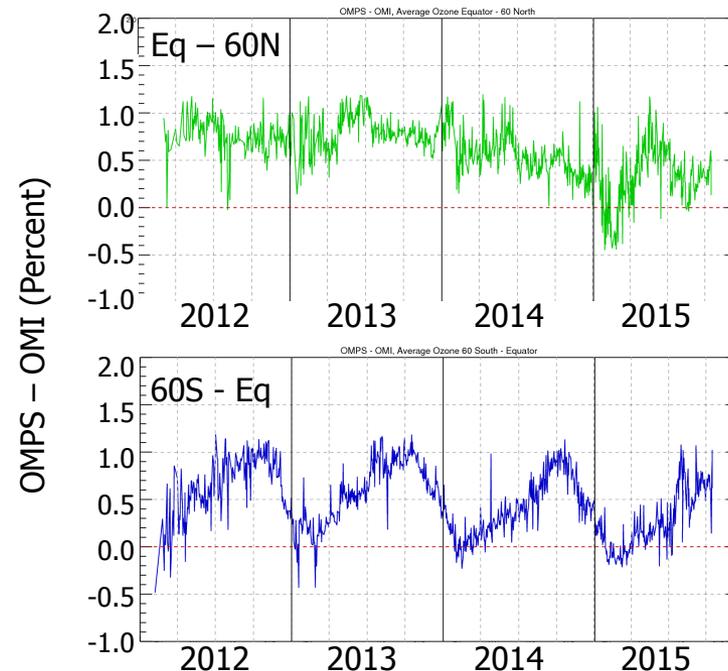
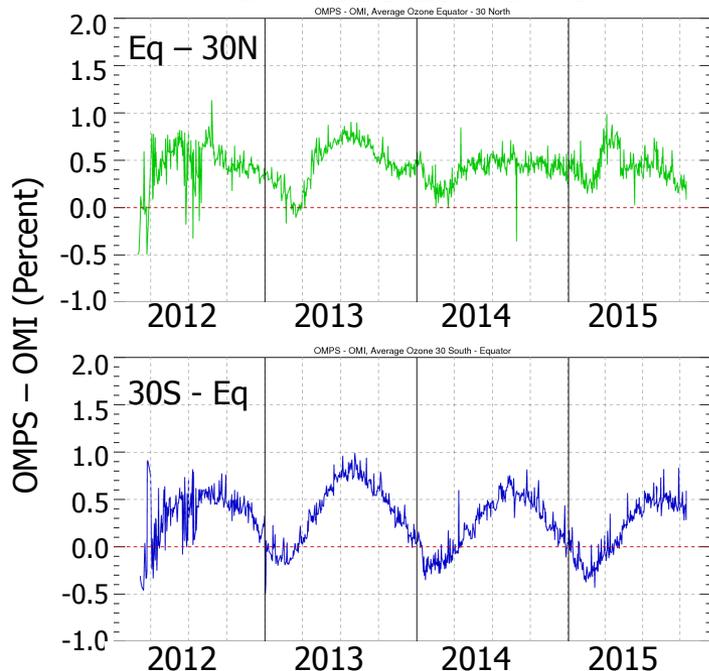




OMPS nadir stuff - Where are we now?



- ▶ The whole dataset has been reprocessed
 - L1B/L2/L3 data available
- ▶ L2/L3 quality currently being assessed
 - Overall looks quite good
 - A few issues remain



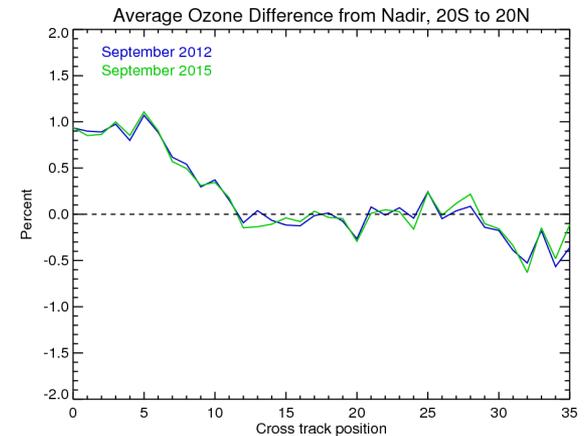
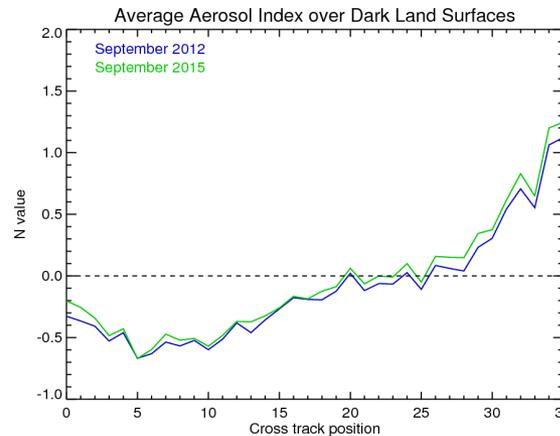


OMPS nadir stuff - Issues



- ▶ Currently have a cross-track dependencies in the aerosol index, ozone

- Need to tweak soft calibration



- ▶ We now produce L3 datasets for high resolution days

- Found L3 ozone values are approximately 1% higher for high resolution days than for nominal resolution days
 - L2 Step 1 & Step 2 ozone do not have this issue, only appears when going from Step 2 to Step 3
 - Seems to be aerosol index related
 - Issue currently being investigated



OMPS nadir stuff - Where are we going?



- ▶ Final V2 reprocessing to take place early next year (Feb?)
- ▶ Nadir Mapper changes – L1B
 - Update to NM stray light; will only effect radiances < 310 nm
 - FOV corners in L1B / L2
- ▶ Nadir Mapper changes – L2
 - New, updated soft calibration
 - Both OCP and NRT-SO₂ retrieval APPS in operation
 - Do we want to use co-located OCP retrieval in NMTO3 instead of climatology?



OMPS nadir stuff - Where are we going?



► Nadir Profiler changes

- Update to NP bandpasses (particularly 295 nm)
 - Analysis indicated measurements incorrect at 295 nm
 - We refit the data, excluding 295 nm, and generate new tables, input to single scatter calc will include updated bandpasses
- Solar activity
 - We'd like to account for solar activity in reprocessed data

► Both

- Metadata
 - This version will be first OMPS nadir provided to DISC
 - We've been working with DISC on metadata
- We are in the process of incorporating NM/NP into the LANCE system, including NRT-SO₂