Atmospheric Composition Working Group Breakout Session Report
Q1. Based on this Workshop, how would you rate the JCSDA activities in your area of expertise?

- JCSDA activities in our area of expertise are beginning. The JCSDA needs to find ways to align different activities ongoing at different organizations.

- Ozone assimilation (for NWP applications) has been very well supported by the JCSDA:
  - Sustain ozone assimilation activities in relevance to preparation for NPP/JPSS OMPS Limb Profiler ozone measurements both at NWS, NASA, and NRL.

- Emerging support for aerosol assimilation within JCSDA:
  - Continue support for next generation sensors (e.g., VIIRS).
Q2. What recommendations do you have for JCSDA management to strengthen its activities in your areas (if needed)?

• **Long term**
  – A mechanism that is well defined and not ad hoc for transition to operations of atmospheric composition working group activities
  – Need to ensure AC expertise at the operational agencies for proposal selection process.
  – Atmospheric composition activities have relevance to national security/societal impacts/climate change/air quality/visibility
    • Effort towards atmospheric constituents assimilation/forecasting in the same spirit as EU
  – Transition methodologies developed at research centers (e.g., NASA) to operational centers (e.g., NOAA)

• **Short term**
  – No recommendations

• **Specific funding issues**
  – Sustain new efforts

• **Collaboration on specific projects**
  – Externally funded AC activities should be coordinated with internally funded activities

• **other**
Q3. What is the role of your JCSDA working group, and how could it evolve?

- Information exchange
  - Exchange findings on data quality, implementation strategies, and other lessons learned
- Coordination across partners
  - Code exchange
  - Other relevant tools that are common to different systems
- Input to JCSDA priorities
  - Build advocacy at the WG level and bring it to the attention of the management
  - Assisting in preparation of proposal solicitation
- Review of proposals
  - Ensure that proposal review panel has appropriate expertise
- Responsibility for specific projects and/or code
  - Standardization of aerosol/ozone assimilation methodologies in GSI
  - Development of operational emissions system
  - Exchange code sharing practice and data
- other
Q4. Any feedback on the workshop itself?

• Venue
  – Good but would be nice to have an evening social to encourage peer-to-peer interaction

• Duration
  – Good

• Format
  – Too many talks that didn’t allow time for questions. Talks could be 20 minutes perhaps?

• Attendance
  – Better communication with respect to meeting announcement and update distribution list
Aerosol Observability Workshop

- Hosted by NRL/NASA/ECMWF
- Two members (Pierce and Da Silva) from ACWG participated
- Participation from data providers from national and international organizations
- Aerosol assimilation community provided feedback on their experiences with satellite data quality/format. There was an open dialog on the needs for QA/QC information
- Discussion on providing data quality information when L2 products are translated to L2.5/L3 product