



## **OZONE MAPPING AND PROFILER SUITE**

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### **OMPS** Overview



Satellite Velocity Vector

VIIRS

Satellite Velocity

Vector

Spacecraft

Downlink

Nadir Path

S-NPP OMPS





ABOUT INH

#### **Ozone Mapping and Profiler Suite**

### S-NPP OMPS Highlights: Antarctic Ozone Hole Update 2015





Credit: http://ozonewatch.gsfc.nasa.gov/; https://ozoneaq.gsfc.nasa.gov/omps/blog/



# **Program Management (PM)**



- Build a team!
  - Core team is PM, Chief Engineer (Lead SysE,) Mission Assurance Manager
  - Engage with customers
    - » Create Partnerships/Build trust
  - PM goal must have the ability to recognize ability in others
- Get moving!
  - Technical concepts/design
  - Mission Assurance baseline
  - Supply Chain development
- Get things done!
  - Be an invaluable partner to your team, customers, and management



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## **PM Perspectives on Supply Chain and Mission Assurance Management (SCM, MAM)**



- Supply chain implements design
  - Data flows from drawings to requisition to order
  - Develop supply base and engage with suppliers
  - Engage with PM and MAM on flowdowns
  - Capture lessons-learned, assess performance, rate and rank
- Mission assurance guides the implementation and execution ٠
  - Data flows from MA requirements to contractor to supplier
    - » MAR, IMAR, SOW, CDRL/SDRL, Source Control and Procurement Control Drawings
  - Build integrity and trust into the procurement process
  - Engage with SCM, PM and Integrated Project Team



# **OMPS J2 Supply Chain Lessons**

- Parts obsolescence
  - "Heritage" designs
  - Changing technologies: SMA
- Supply base changing over time
  - Consolidation
  - Commercial focus
    - » High volume / High performance
  - "We don't do that now"
    - » Not profitable
    - » Lost key personnel/recipe/facilities and equipment
- Examples
  - Parts obsolescence in Main Electronics Box (MEB)
  - Supply chain development for Focal Plane Assemblies (FPA)

