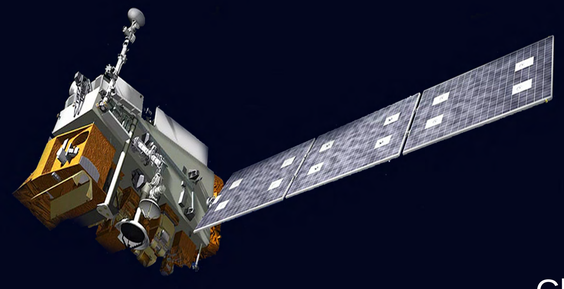
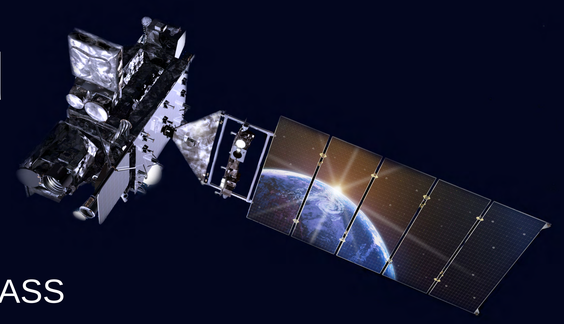


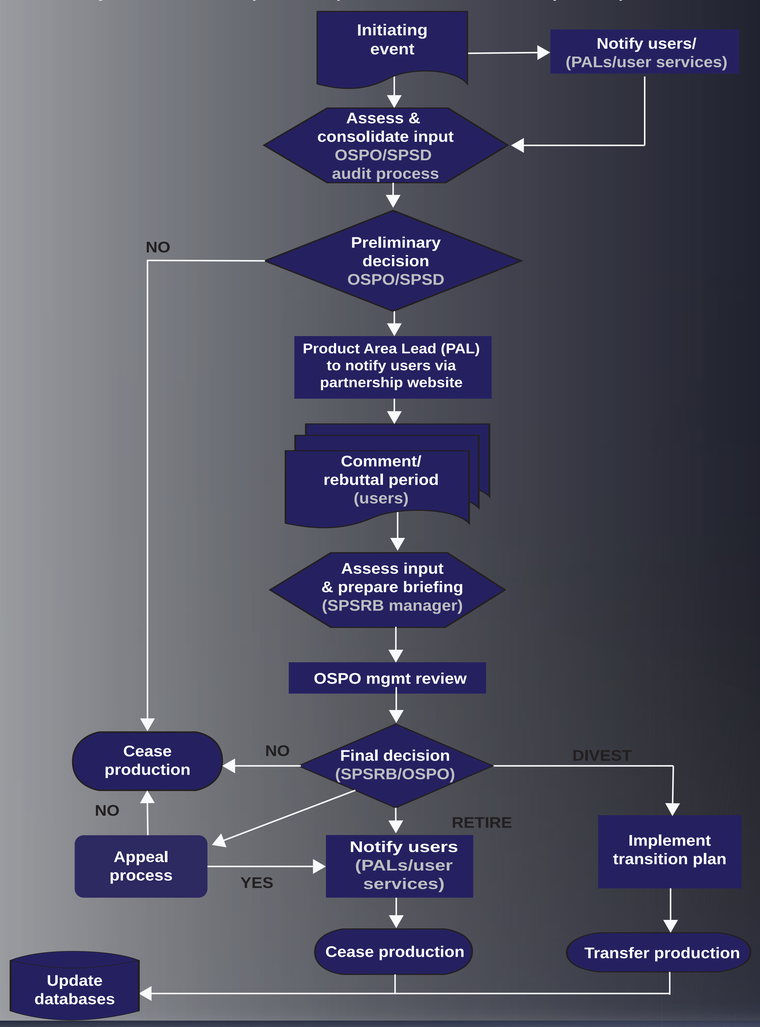
Retirement/Divestiture of Geostationary and Polar Orbiting Satellite Products



Ame Fox – OSGS, Dr. Jamese Sims - OSGS GOES-R, Arron Layns - JPSS
Christie Best - JPSS/Noblis, Nancy Ritchey - NCEI, Alan Hall – OSPO, Brent Hefner - OSGS CLASS

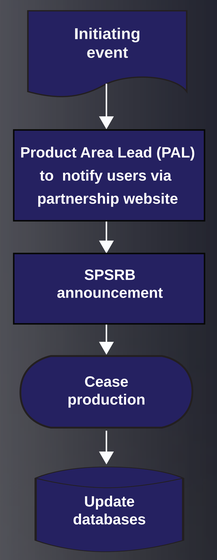
Full Product Retirement Process for:

1. Systems Driven
2. User Driven
3. Fiscally Driven Requests (Audit Process required)



Simplified Product Retirement Process for:

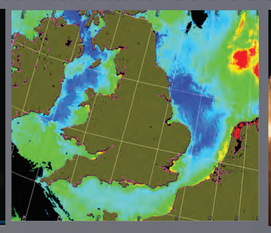
1. Sensor/instument failure
2. Satellite failure (no immediate replacement)
3. Product without an identified operational user (Audit Process not required)

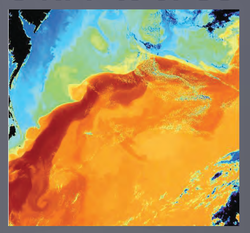


The NOAA/NASA satellite suite expanded with the successful launches of GOES-16 (Geostationary Operational Environmental Satellite R-series) and NOAA-20 (Joint Polar Satellite System-1). These satellites led to massive amounts of innovative new science products becoming available to agencies and organizations in the US and around the world. However, science products, like satellite missions, have a life cycle that includes retirement, when the product is superseded by something better or no longer meets user needs.

The NESDIS Office of Satellite Ground Services (OSGS) works closely with its sister Office of Satellite Product and Operations (OSPO) to define the retirement and divestiture of environmental satellite products as detailed in NPD 7101.1A policy. This policy specifies the Satellite Products and Services Review Board (SPSRB) is responsible for the oversight and guidance necessary to manage the product life cycle processes and includes the product retirement or divestiture. The Product Retirement Process can include the opportunity to obtain user feed-back and can be tailored into a simplified process where user feedback is not required. Both processes are depicted on this poster.

User Driven Timeline of Product Retirement – S-NPP to JPSS

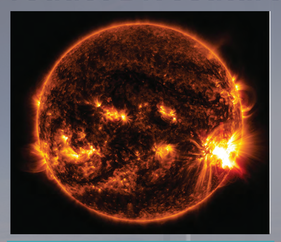
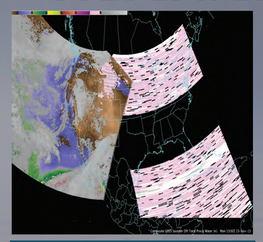





- S-NPP Launch 10/28/2011
- VIIRS Sea Surface Temperature (IDPS) 5/26/2012
- JPSS-1 (NOAA-20) Launch 11/10/2017
- VIIRS Sea Surface Temperature (ACSPO) 2/20/2017

System Driven Timeline of Product Divestiture – GOES 13 to 16



- GOES-13 Launch 5/24/2006
- GOES-13 visible imagery product
- Intense flare damaged the GOES-13 Solar X-ray Imager 2006
- GOES-13 Sounder anomaly 2015
- GOES-13 visible imagery retires 2017
- GOES-16 new visible imagery 2017

References:

NOAA/NESDIS OSPO Retirement & Divesture of Enviromental Satellite Products (NPD 7101.1A)
OSPO Environmental Satellite Products Audit Procedures
SPSRB: http://projects.osd.noaa.gov/SPSRB/index.htm

NESDIS National Environmental Satellite, Data and Information Service
OSPO Office of Satellite and Product Operations

Graphics: Jennifer Adams, OSGS