

Ocean Color Users Feedback

- Participants from
 - **Fisheries**
 - Northeast – **Kim Hyde**
 - Atlantic/Florida – represented by **Ron Vogel**
 - Pacific -- **Cara Wilson**
 - Surveys (NRT)
 - Long term model predictions
 - **NWS – Tony Siebers**
 - Ecosystem Forecasting – moving toward operational - **Chris Brown**
 - EMC - **Sudhir Nadiga, Eric Bayler**;
 - **NOS – Rick Stumpf**
 - HAB
 - Sanctuaries
 - **OAR** (e.g., **D. Tong**, Isoprene emission)
 - **NESDIS** ecosystems – **Chris Brown**
 - **AOML/AOR** (not present but discussed)

Non-NOAA downstream users of NOAA produced data

Maryland DNR

Commercial Fisheries

Recreational Fisheries

Science/Research Users

Latency Needs

- Surveys, NRT for cruise tracks (~12h ok)
- Episodic Events Management (i.e., oil spill, sediment plumes – NRT – 12 h not good enough, **3 h much better**)--- **Require DB data.**
- Modelling
 - Forecasting – fast (12 h minimum; 3 h acceptable)
 - Projections – long term, high quality, gapless
- Direct Broadcast Users -

What VIIRS doesn't have that users need

- High resolution blue and green (469 and 555 nm) – Will need **S3-OLCI** data (NOS, etc.)

PRODUCT Needs

- Current Operational products all need to be regularly reprocessed with VIIRS, to provide high quality data **time series** (expressed by ALL users).
- **Required Products: nLws, Chlorophyll-a, Kd(490), Kd(PAR)** (from EMC). Anomaly products. Global data.
- New products desired
 - Primary Productivity
 - Chromophoric Dissolved (Organic) Matter (CDM or CDOM)
 - Suspended Particulate Material
 - Particulate Inorganic Carbon (PIC)
 - Chlorophyll Frontal Product

PRODUCT Needs, Cont'd

- Highest Quality
 - We need high data quality.
- Re-iterate advocacy for mission-long high-quality calibration ability, e.g., lunar maneuver, lunar calibration (for J-1, J-2), need to reprocess mission-long SDR.

PRODUCT Needs, Cont'd

- Consistency – long term
- Merged data from multiple satellites
 - Temperature anomaly/thermometer analogy
- Uncertainties documented along with products
- Climatological anomalies (e.g., since SeaWiFS)

Formats, Data Flow

- NETCDF4
- GRIB for future
- Some discussion about longer term planning for “translation” (any format you want)
- FTP or WGET access