



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Jan 20, 2012
John J Bates, Chief



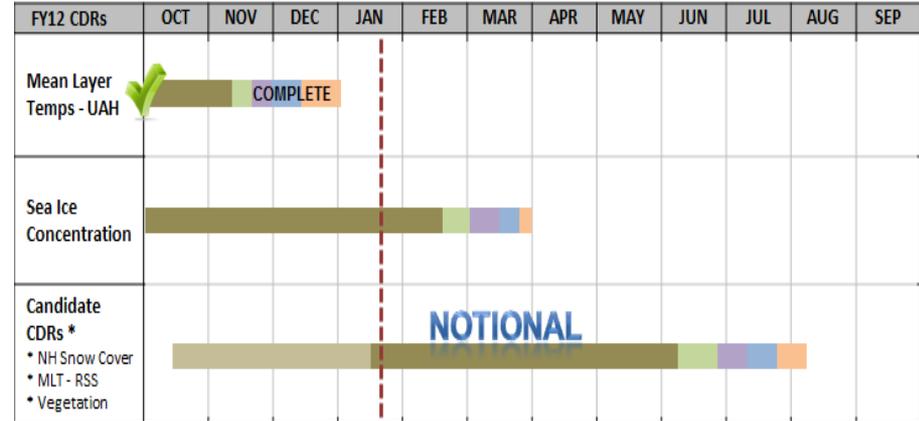
CDR Program Office

FY12 Climate Data Records

Weekly Report – Jan 20, 2012

- ① **Mean Layer Temperatures – Univ of Alabama Huntsville (UAH)**
 - Completed – Nov 17
- ↑ ② **Sea Ice Concentration**
 - NSIDC is **not** separating daily product from non CDR products
- ③ **Candidate CDRs under initial evaluation (one to be selected):**
 - *Northern Hemisphere Snow Cover - received some items
 - *Mean Layer Temperatures RSS - TM making good progress
 - *Vegetation Bundle – received some items

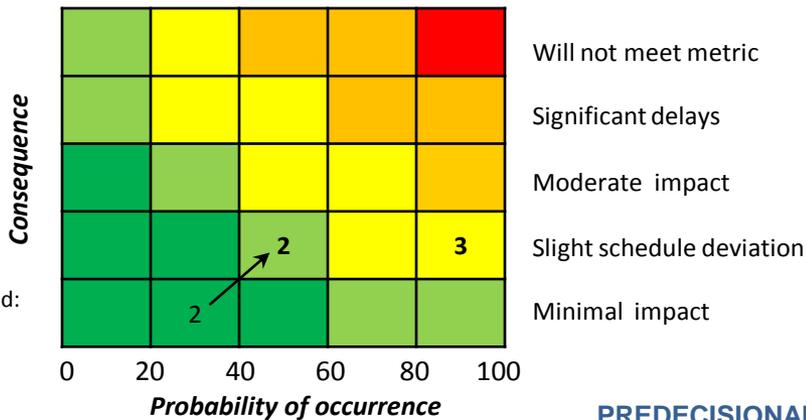
R2O Schedule



R2O PHASE: ASSESSMENT SUBMISSION PREP TRANSFER VALIDATION ARCHIVE ACCESS

● No change ↑ Increasing Risk ↓ Decreasing Risk *Candidate CDRs

Risk Matrix



Risk and Mitigation

- **Unlikely that Sea Ice monthly product will be completed by March**
- Could release daily product
- **All PIs have responded and are willing to support transition**
- Initial assessments are proceeding slowly

PREDECISIONAL DRAFT INFORMATION



FY12 TCDR - Sea Ice

CDR Product: TCDR - Sea ice concentration, 1979-2010 (20 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture

- NSIDC is **not** going to put the CDR product into a separate file, but they still plan to create a **monthly** product
- **Jeff is going to call Walt to discuss which would be the best option to keep work progressing at NSIDC (1b and 2b the current default assumptions) and to find out what method they are using to create the monthly product.**

Two Decision are needed: (recommendation is 1a and 2a):

1a) Release the daily CDR we already have

pros: ready to go, answers NSIDC question why not released yet, no additional work needed by NSIDC

cons: no monthly product

1b) Let NSIDC create monthly product, release CDR after monthly product is added, documentation updated, and all are archived

pros: monthly product added

cons: additional work by NSIDC, may not be available by March

2a) Follow on work to separate the CDR from other variables, add monthly product if not already chosen above

pros: allows for quarterly updates, could be put into contract for specific deliverables

cons: no resources at NSIDC to work

2b) No follow on work to separate CDR from the other variables

pros: minimal upfront cost for annual update

cons: only updated annually, higher maintenance costs down the road

CDR Decisions

- NODC will fill in the PFSST v5.2 data gap (Sep 94 – Jan 95) with regridded and adjusted v5.0 data. The file metadata, global attributes, summary, know issues page, etc. will all be modified to ensure transparency is maintained (1/19)
- Set CDR precedence for FY12 – 1) Sea Ice, 2) MLT-UAH, 3) Snow Cover, 4) MLT-RSS, 5) Vegetation
Sea Ice and Snow Cover are primaries due to their input into the water cycle; MLT-UAH is complete, MLT-RSS and Vegetation are backups (1/13)
- Sea Ice – Decided it was in the best interests of the CDRP to separate the Sea Ice CDR from the Goddard and Bootstrap products. This will allow for ease of maintenance (quarterly updates), addition of monthly product, and simplify future transition. Will work with NSIDC on delivery schedule for updated data and documentation (12/19)
- CDR Bundles - Decided there can be multiple CDRs in a bundle; each PI's CDR bundle will be transitioned together and counted as one for the OMB metric (12/1)
- FY12 Budget signed – current funding allows for three new CDRs to be transitioned in FY12, budget constraints may also postpone any updates to the current CDRs in operations (11/29)
- Ozone bundle – initial assessment revealed no CDR is available for transition, will work it as a special project and not as an FY12 CDR (11/16)



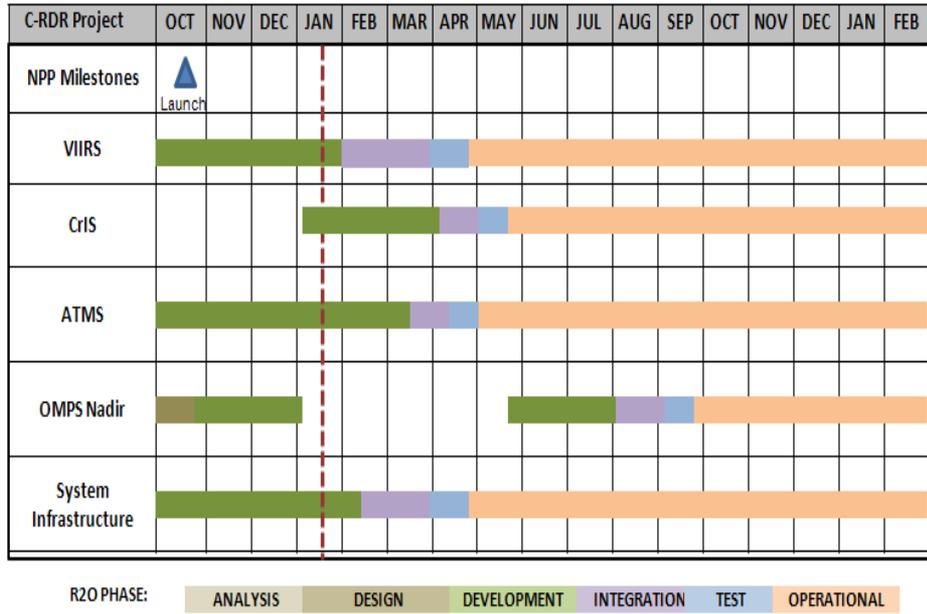
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NPP/JPSS Climate Raw Data Records (C-RDRs) Project

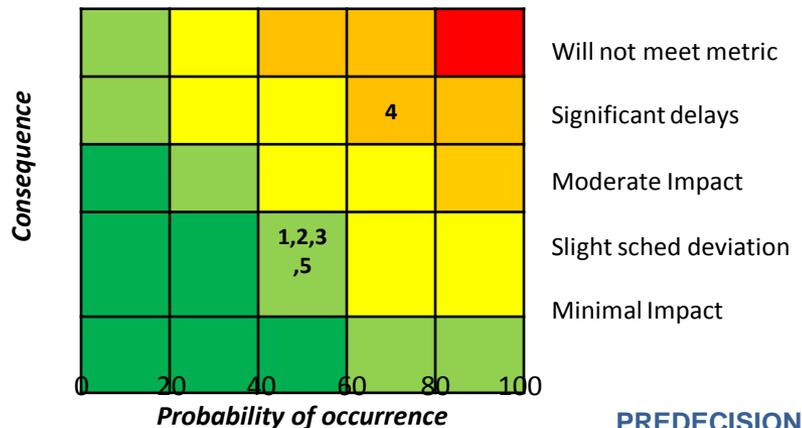
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- ① **VIIRS**
 - Developing code to test the VIIRS C-RDR.
- ② **CrIS**
 - Analyzing CrIS code from ADL.
- ③ **ATMS**
 - Developing code to write the ATMS C-RDR.
- ④ **OMPS Nadir**
 - Developing code to write the OMPS Nadir C-RDR.
- ⑤ **System Infrastructure**
 - Developing ingest processing for RDRs.
 - Build of ADL 3.1 complete.
 - **Met with JPSS PO to discuss C-RDRs.**

● No change ↑ Increasing Risk ↓ Decreasing Risk



Risk Matrix



Risk and Mitigation

- VIIRS, CrIS, ATMS, OMPS Nadir –**
- Operational software is under maintenance, updated versions may affect C-RDR ported version.
- System Infrastructure –**
- Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
 - Ability of CLASS to handle the frequency and volume of NPP data. CLASS has been successful during system tests.
 - Archive in CLASS is currently cost prohibitive. Need to identify alternate archive. Plan to store C-RDRs on HPSS until migration to CLASS.

PREDECISIONAL DRAFT INFORMATION