



Remote Sensing Applications Division (RSAD)

Weekly Report for January 14, 2011

John J Bates, Chief



CDR Program Office

FY11 Climate Data Records

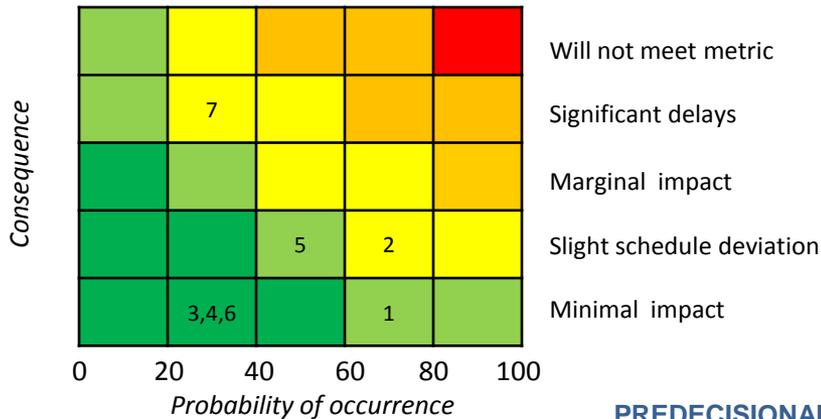
Weekly Report – Jan 14, 2011

- ① **Sea Ice**
 - Initial assessment complete – NSIDC coordination needed
- ② **Mean Layer Temperatures**
 - Initial assessment complete – telecon with PI needed
- ③ **Microwave Sounder FCDR**
 - Initial assessment complete – great shape
- ④ **Microwave Imager FCDR**
 - Initial assessment complete – data and docs transferred
- ⑤ **Aerosol Properties**
 - Initial assessment complete – good shape
- ⑥ **Longwave Radiation - Top of Atmosphere (TOA)**
 - Initial assessment complete – great shape
- ⑦ **Sea Surface Temperature**
 - Initial assessment complete – NODC coordination needed

FY11 CDRs	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
① Sea Ice	ASSESSMENT		SUBMISSION PREP			TRANSFER	VALIDATION	ARCHIVE	ACCESS	
② Mean Layer Temperature	ASSESSMENT		SUBMISSION PREP				TRANSFER	VALIDATION	ARCHIVE	ACCESS
③ MW Sounder FCDR	ASSESSMENT		SUBMISSION PREP				TRANSFER	VALIDATION	ARCHIVE	ACCESS
④ MW Imager FCDR	ASSESSMENT		SUBMISSION PREP		TRANSFER	VALIDATION	ARCHIVE	ACCESS		
⑤ Aerosol Properties	ASSESSMENT		SUBMISSION PREP		TRANSFER	VALIDATION	ARCHIVE	ACCESS		
⑥ LW Top of Atmosphere	ASSESSMENT		SUBMISSION PREP			TRANSFER	VALIDATION	ARCHIVE	ACCESS	
⑦ Sea Surface Temperature	ASSESSMENT		SUBMISSION PREP			TRANSFER	VALIDATION	ARCHIVE	ACCESS	

R2O PHASE: ASSESSMENT SUBMISSION PREP TRANSFER VALIDATION ARCHIVE ACCESS

Risk Matrix



Risk and Mitigation

Mean Layer Temperatures - Unsure of effort needed for source code to meet IOC standards, telecon scheduled with PI

Sea Surface Temp - Complete process from L1b-to-NetCDF still has to be validated, processing also occurs in two places: U of Miami then NODC

PREDECISIONAL DRAFT INFORMATION



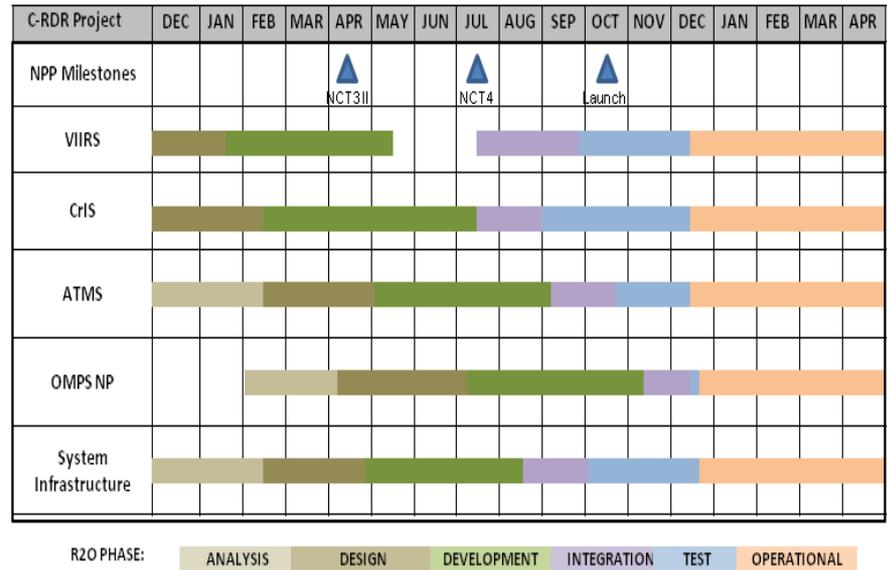
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NPP/JPSS Climate Raw Data Records (C-RDRs) project

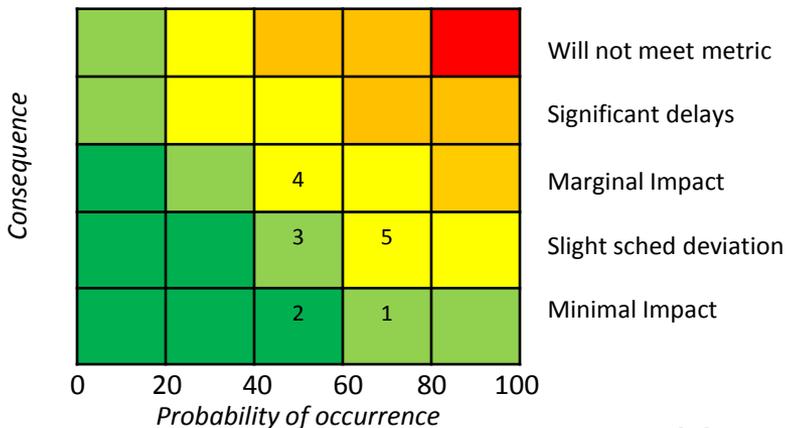
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1. **VIIRS**
 - C-RDR data and metadata defined
2. **CrIS**
 - Defining C-RDR data
3. **ATMS**
 - Porting ATMS algorithm software to NCDC
4. **OMPS NP**
 - Delayed OMPS NP to focus resources on system infrastructure and other sensors
5. **System Infrastructure**
 - Working with CLASS to test ingest of RDRs

Completed extended abstract and poster for AMS.
 Reworking schedule including resource contingencies and dependencies.



Risk Matrix



Risk and Mitigation

- VIIRS, CrIS, ATMS, OMPS NP, System Infrastructure -**
- Short schedule to NPP launch on October 2011. Hiring additional software engineer(s).
 - Operational software is under maintenance, updated versions may affect C-RDR ported version.
- System Infrastructure –**
- Availability of automated receipt of NPP RDRs from the CLASS system. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
 - Capability of CLASS to ingest and archive C-RDRs.

PREDECISIONAL DRAFT INFORMATION

- = On-track
 = Potential management action required
 = Management attention required



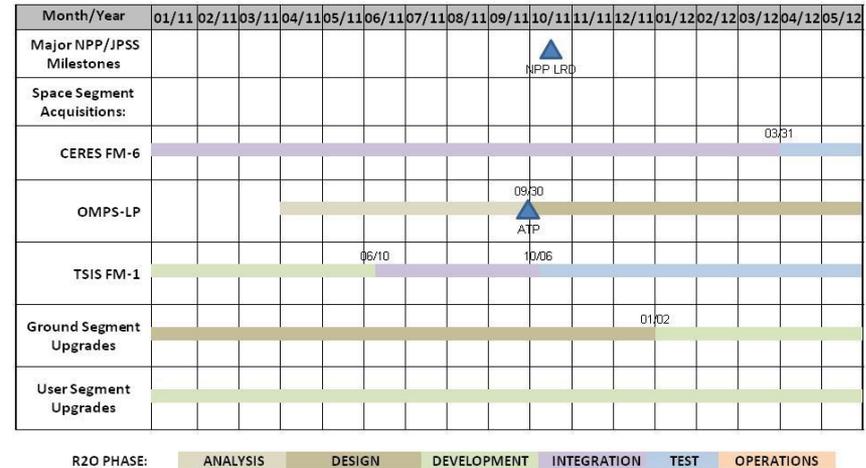
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JPSS Climate Sensors and Program Status

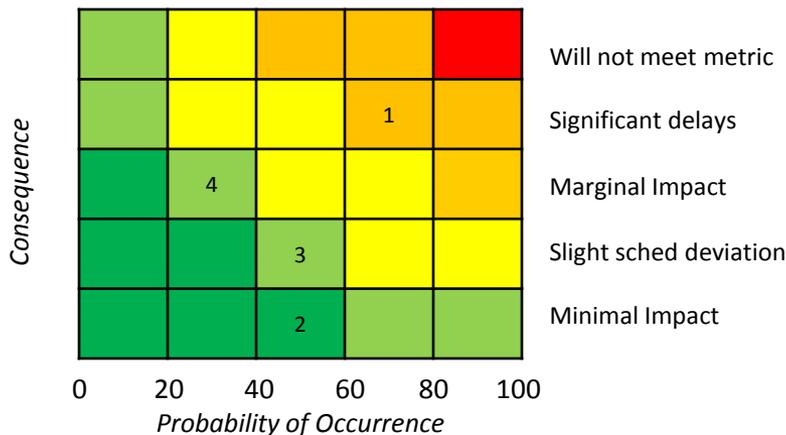
Current Status

- JPSS Climate Sensors are all on track with the exception of CERES:
 - CERES FM-6 on JPSS-1
 - KDP C Milestone briefing for CERES FM-6 is scheduled for January 20, 2011
 - OMPS-LP on JPSS-2
 - TSIS FM-1 on a Free-Flyer
- JPSS Program is still in transition and delays may cause a slip in the launch of JPSS-1:
 - JPSS L1RD, Version 4.4, dated December 15, 2010 is the latest draft; it still has not been signed
 - Decision regarding TSIS FM-1 free-flyer platform is still pending

Current Schedules



Risk Matrix



Risks and Mitigation

- FY-11 funding for CERES FM-6 and TSIS FM-1 R2O transition activities and User Segment upgrades may be in jeopardy due to Congressional actions
 - Could cause delays in the delivery of these capabilities
- Agreement between NASA and NOAA for CERES FM-6, OMPS-LP, and TSIS FM-1 transitions is needed ASAP
- R2O Transition and Instrument Support teams for CERES FM-6 and TSIS FM-1 are needed ASAP

PREDECISIONAL DRAFT INFORMATION

