

SUOMI NPP EDR Product Provisional Readiness Review for Soundings, Ozone, VIIRS Cloud Mask and Non-NCC Imagery

Welcome and meeting information

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WebEx: <https://star-nesdis-noaa.webex.com>

Day 1 - Meeting Number: 730 775 051; Password: Suom1NPP

Day 2 - Meeting Number: 739 804 433; Password: Suom1NPP

<ftp://ftp.star.nesdis.noaa.gov/pub/smcd/emb/icsizar/> -> EDR Provisional Review ->Day1 or Day2

Purpose

- Discuss readiness for proposing SNPP operational (IDPS generated) EDR data product maturity status be declared provisional version by the AERB
 - Sounding
 - Ozone
 - VIIRS Cloud Mask
 - Non-NCC Imagery

How does an XDR achieve a Maturity Level?

- Required: AERB approves CCR submitted by Algorithm & Cal/Val Team Lead that contains artifacts demonstrating level has been achieved through cal/val activities.
 - To obtain AERB approval:
 - Program Scientist, Project Scientist, and User approvals required
 - DPA and STAR approvals required
- Process:
 - STAR xDR lead organizes review including NOAA users, Program and Project Scientists and DPA leads as review board
 - Status and evidence of validation activities presented
 - Discussion held about results
 - Board prepares recommendation to AERB
- Potential Improvements:
 - Inclusion of additional independent reviewers beyond NOAA users has been discussed

Algorithm Status: December 2012

Legend	
No Change	
Was	
Is	

Algorithm Maturity Status EOM December 2012	Priority	Status to Date	D-12	J-13	F-13	M-13	A-13	M-13	J-13	J-13	A-13	S-13	Q1-14	Q2-14	Q3-14	Q4-14	Q1-15	Q2-15	Q3-15	Q4-15	Q1-16	Q2-16
ATMS SDR	1	β		Prov									Valid									
CrIS SDR	1	β		Prov					Valid													
VIIRS SDR GEO	1	β		Prov			Valid															
VIIRS SDR	1	β		Prov						Valid												
VIIRS EDR Imagery (not NCC)	1	β		Prov									Valid	V-2	V-3							
VIIRS EDR NCC Imagery	1			β					Prov				Valid	V-2	V-3							
ATMS TDR	2	β		Prov									Valid									
VIIRS EDR Sea Surface Temperature (SST)	2		β	β								Prov	Valid		V-2		V-3					
VIIRS EDR Ocean Color / Chlorophyll	2						β				Prov			Valid			V-2		V-3			V-3
OMPS SDR Earth View (Includes 2 products: NP and TC)	3	β		Prov									Valid									
OMPS EDR Ozone (Includes 2 products: NP and TC)	3	β		Prov					Valid			V-2		V-3								
VIIRS EDR Cloud Mask (VCM)	3	β		Prov									Valid		V-2			V-3				
CrIMMS EDR Atmospheric Profiles (Includes 2 products: Moisture and Temperature)	3	β				Prov							Valid				V-2				V-3	
VIIRS EDR Suspended Matter (SM)	3	β						Prov						Valid			V-2					V-3
VIIRS EDR Land Active Fires	3	β									Prov				Valid				V-2	V-3		
OMPS SDR Calibration	3					β			Prov	Valid												
VIIRS EDR Sea Ice - Concentration	3						β						Prov	Valid		V-2		V-3				
VIIRS EDR Sea Ice - Characterization (Age)	3						β						Prov		Valid	V-2		V-3				
VIIRS EDR Snow Cover - Binary Mask	3						β						Prov	Valid		V-2		V-3				
VIIRS EDR Snow Cover - Fraction	3						β						Prov		Valid	V-2	V-3					
VIIRS EDR Cloud-1 (Includes 4 products: Coverage/Layers, Effective Particle Size, Optical Thickness, Top Height)	3							β						Prov		Valid		V-2				V-3
CrIS IP Ozone Profile (TBD)	3																					
CERES SDR (TBD)	3																					
CERES EDR (TBD)	3																					
VIIRS EDR Aerosols (Includes 2 products: Aerosol Optical Thickness and Aerosol Particle Size)	4	β						Prov							Valid		V-2					V-3
VIIRS EDR Land Surface Temperature	4	β	β					Prov					Valid		V-2				V-3			
VIIRS EDR Surface Type	4	β	β										Prov			Valid				V-2	V-3	
VIIRS IP Surface Reflectance	4	β	β									Prov			Valid			V-2				V-3
VIIRS EDR Vegetation Index	4	β	β									Prov			Valid			V-2				V-3
VIIRS Gridding and Granulation (Not an L1RD product)	4			β				Prov					Valid		V-2		V-3					
VIIRS EDR Ice Surface Temperature	4					β						Prov	Valid	V-2		V-3						
VIIRS EDR Land Surface Albedo (Not an L1RD product)	4							β					Prov			Valid		V-2				V-3
VIIRS EDR Cloud-2 (Includes 3 products: Cloud Base Height,	4							β						Prov		Valid		V-2				V-3
VIIRS EDR Sea Ice & Combined Surface Albedo	4								β				Prov		Valid		V-2					V-3

slide by Eric Gottshall

Agenda: January 17

Session 1: Welcoming and Opening Remarks (Chair: Ingrid Guch / Paul DiGiacomo)

12:30 – 12:40	Objectives and logistics	Ivan Csiszar, EDR Science Lead
12:40 – 12:50	STAR Welcome	Ingrid Guch / Paul DiGiacomo
12:50 - 1:00	NJO perspective	Ajay Mehta

Session 2: CrIMSS Sounding EDR Product (Chair: TBD)

1:00 - 1:10	CrIS SDR status summary	Yong Han (STAR)
1:10 - 1:20	ATMS SDR status summary	Fuzhong Weng (STAR)
1:20 - 2:35	CrIMSS EDR Team Report	Chris Barnet (STAR)
2:35 - 2:45	Discussion	

Break

Session 3: Ozone EDR Product (Chair: TBD)

3:15 - 3:25	OMPS SDR status summary	Fred Wu (STAR)
3:25 - 4:25	OMPS Ozone EDR team report	Larry Flynn (STAR)
4:25 - 4:40	NOAA user update	Craig Long
4:40 - 4:55	Discussion	

Changes may occur due to inclement weather situation in the Washington, DC area.

Agenda: January 18

Session 4: VIIRS Cloud Mask

8:30 - 8:45	VIIRS SDR status summary	Changyong Cao
8:45 - 9:45	VIIRS Cloud Mask Team Report	Tom Kopp/Andrew Heidinger
9:45 - 10:00	NCEP user feedback	Brad Ferrier

Break

10:30 - 10:45	Aerosol Team feedback	Shobha Kondragunta/Istvan Laszlo
10:45 - 11:00	Land Team feedback	Eric Vermote
11:00 - 11:15	Cryosphere Team feedback	Jeff Key
11:15 - 11:30	Ocean Color Team feedback	Menghua Wang
11:30 - 12:00	SST Team feedback	Alexander Ignatov
12:00 - 12:15	Discussion	

Lunch

Agenda: January 18

Session 5: Non-NCC VIIRS Imagery

1:00 - 1:45	Non-NCC VIIRS imagery status	Don Hillger/Tom Kopp
1:45 - 2:00	NRL Monterey user update	Kim Richardson / Jeff Hawkins
2:00 - 2:15	Discussion	

Break

Session 6: Panel Review and Discussion (Chair: Mitch Goldberg)

2:30 - 3:15	Panel Reviews	Panel Members Only
3:15 - 4:00	Recommendations	All

Adjourn

Presentations

- EDR team presentations
 - Criteria for provisional maturity status
 - EDR specifications
 - On-orbit performance results
 - Challenges and remaining issues
 - Updates of ATBD
 - Critical DRs
 - Caveats listed in the Beta ReadMe files
 - Updates/proposed caveats for the Provisional ReadMe file
 - Path Forward
- SDR updates
 - Brief status summary and issues that impact EDR provisional status
- User briefings
- EDR feedback
 - Impact of upstream EDR on product

Review panel

- Mitch Goldberg (Chair), Jim Gleason, Heather Kilcoyne, Fuzhong Weng, Jim Yoe, Tom Schott, Lihang Zhou, Jeff Privette, Mike Johnson, Bonnie Reed
- Review package includes
 - Agenda
 - EDR Team presentations
 - Review worksheet
- Only the review panel members have name tags
 - Please turn in your name tag after the meeting for recycling

Lunch, refreshments and other logistics

- Lunch: January 18 only, \$10
 - See Danette before 10am on Friday to sign up
- Refreshments
 - Thursday: water, cookies
 - Friday: coffee, cookies (no full breakfast)
 - Honor system for refreshments – cost not included in lunch

Questions?

- Review content: Ivan.Csiszar@noaa.gov
- Dial-in, webex, agenda etc. :
Tom.Atkins@noaa.gov
- Logistics (building access, food etc.):
Danette.Warren@noaa.gov