

**SUOMI NPP EDR Product Maturity  
Readiness Review  
for  
VIIRS Cloud Mask, Ice Surface Temperature, Snow Mask, and  
Soundings (Validated Stage 1)  
and  
Cloud Properties, Imagery, Sea Surface Temperature, Ocean  
Color, Surface Type (Provisional)**



**January 7-8, 2014**

**NOAA Center for Weather and Climate Prediction Conference Center  
5830 University Research Court, College Park, MD 20740**

**Dial-in Number: 1-866-564-4509; Passcode: 9632506**

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

**Day 1 - Meeting Number: 730 972 731; Password: EDRVal1!**

**Day 2 - Meeting Number: 736 236 811; Password: EDRVal1!**

**Purpose and Goals:**

This is the fifth Suomi NPP Environmental Data Record (EDR) product maturity review to provide a forum for discussion on the readiness of various EDR products to achieve the next maturity level according to the SNPP maturity schedule. This particular review follows and builds on the outcome of the SNPP Sensor Data Record (SDR) Science and Products Review held on December 18-20, 2013 with a focus on readiness for validated maturity status of the SDR products.

The purpose of this meeting is to discuss readiness for Validated Stage 1 status for the following EDR products: VIIRS Cloud Mask (VCM), Imagery, Ice Surface Temperature, VIIRS

Snow Mask and Sounding; and Provisional for Cloud Properties, Surface Type, Sea Surface Temperature and Ocean Color. The expected outcome is a recommendation from the EDR review panel and EDR leads to the Algorithm Engineering Review Board (AERB) that the current products are at the given maturity level, or scheduled changes already approved by the AERB will result in a provisional quality EDR data products. If the data product is determined to not yet be at the given maturity level, this meeting will identify the path forward to achieve this level.

**Outline and generic format:**

- Detailed report by the EDR product lead or co-lead on the EDR product team’s algorithm development and validation results, the team’s arguments and recommendation on Validated 1 or Provisional maturity status and planned further improvements.
- Reports by downstream EDR product team leads on the dependencies and impacts on their respective products, as applicable
- Reports from product end users on their assessment as applicable.
- Open discussion on product issues.
- Closed session by the review panel.
- Review panel feedback with a recommendation on Validated 1 or Provisional maturity status, as applicable, and on necessary actions for achieving the given maturity status, if necessary.

**Review Panel:** Mitch Goldberg (Chair), Jim Gleason, Eric Gottshall, Fuzhong Weng, Jim Yoe, Tom Schott, Lihang Zhou, Jeff Privette, Mike Johnson, David Benner

# Review Materials from EDR Teams

## 1. Team lead overview presentations

- Criteria for maturity status
- EDR specifications
- On-orbit performance results
- Evidence of meeting criteria for maturity status
- Challenges and remaining issues, as applicable
  - i. Updates of ATBD
  - ii. Critical DRs
  - iii. Caveats listed in the latest ReadMe files
  - iv. Updates/proposed caveats for the new ReadMe file
  - v. Path Forward

# Agenda

## Day 1 – VIIRS Validated Tuesday, January 7

### Session 1: Opening

8:30 – 8:45 Opening remarks and logistics Ivan Csiszar (STAR)

### Session 2: VIIRS Cloud Mask Validated

8:45 – 10:00 VCM presentation Tom Kopp (Aerospace) / Andrew Heidinger (STAR)

### Break

10:15 – 10:30 VCM Feedback: SST Alexander Ignatov (STAR)  
10:30 – 10:45 VCM Feedback: Ocean Color Menghua Wang (STAR)  
10:45 – 11:00 VCM Feedback: Aerosol Shobha Kondragunta / Istvan Laszlo (STAR)  
11:00 – 11:15 VCM Evaluation: Land Eric Vermote (NASA)  
11:15 – 11:30 VCM Evaluation: Cryosphere Jeff Key (STAR)  
11:30 – 12:00 VCM discussion

### Lunch

### Session 3: Cloud Properties Provisional

1:00 – 2:00 Clouds presentation Andrew Heidinger (STAR)  
2:00 – 2:15 Clouds User Feedback Jeff Cetola (AFWA)  
2:15 – 2:45 Clouds Discussion

### Break

#### **Session 4: Imagery Validated**

3:00 – 3:30	Imagery Presentation	Don Hillger (STAR)
3:30 – 3:45	Imagery User Feedback	Jeff Hawkins (NRL)
3:45 – 4:00	Imagery Discussion	

#### **Session 5: Surface Type Provisional**

4:00 – 4:45	Surface Type Presentation	Xiwu Zhan (STAR)
4:45 – 5:00	Surface Type User Feedback	Mike Ek (NCEP)

5:00 – TBD Panel discussion as needed

#### **Adjourn Day 1**

#### **Day 2 – Wednesday, January 8**

#### **Session 6: Sea Surface Temperature Provisional**

8:30 – 10:00	SST status and user readiness	Alexander Ignatov (STAR)
10:00 – 10:15	SST Discussion	

#### **Break**

#### **Session 7: Ocean Color (OC) Provisional**

10:30 – 12:00	OC status and user readiness	Menghua Wang (STAR)
12:00 – 12:30	Ocean Color Discussion	

#### **Lunch**

## **Session 8: Cryosphere Validated**

1:30 – 2:30	IST /Snow Mask presentation	Jeff Key (STAR)
2:30 – 2:45	Cryosphere discussion	

## **Break**

## **Session 9: Soundings Validated**

3:00 – 4:00	Soundings Presentation	Tony Reale (STAR)
4:00 – 4:15	Soundings User Evaluation	Brian Gockel (NWS)
4:15 – 4:30	Soundings Discussion	
4:30 – TBD	Panel discussion as needed	

## **Adjourn Day 2**