

# COORDINATION GROUP ON SATELLITE DATA REQUIREMENTS FOR RA III AND RA IV

7<sup>th</sup> Teleconference, 29 April 2014, 14.00 UTC

## Summary

### **Participants:**

Diego Souza, INPE, Brazil  
Sergio Pereira, INPE, Brazil  
Luiz Machado, INPE, Brazil  
Paul Seymour, NOAA NESDIS, USA  
Kelly Sponberg, UCAR, USA  
Stephan Bojinski, WMO  
David Bradley, Environment Canada  
Sally Wannop, EUMETSAT  
Jhon Valencia, IDEAM, Colombia

### **1. Status of Actions**

**Action 2.1:** NOAA, INPE, EUMETSAT and potentially other data providers to complement the initial user requirements list with matching information on satellite products and data distribution mechanisms. For this purpose, the Excel sheet depicted in Annex II will be made available by email and on <http://satellite.cptec.inpe.br/geonetcast/es/datareq.html>).

**Status: OPEN (done by EUMETSAT, INPE);**

**NOAA to complete Action by 31 May, based on a consolidated table with the input provided by EUMETSAT and INPE**

**Action 5.4:** Group to provide feedback to P. Seymour on the sample GOES-East imagery at <ftp://satepsanone.nesdis.noaa.gov/GNC-A/>. Deadline: Next call on 13 Mar 2014.

**Status: CLOSED; Group feedback on GeoTIFFs still desirable**

### **2. Update by NOAA on GOES-13 Optimized Schedule Tests, including Implications to Users (Paul Seymour)**

NESDIS ran successful tests in early March, confirmed by the US NWS; tests reiterated on 22 and 24 April to specifically address issues with vendor-specific direct readout users particularly in Canada, Brazil. New schedule will go operational on 6 May 2014 at 16.00 UTC. P. Seymour encouraged broad dissemination of this information (see Annex II for details).

The Group thanked NOAA for successful implementation of the new optimized schedules of GOES-East.

S. Pereira informed that INPE were ready for the transition of GOES-E operations. INPE was working on a mosaic including MSG and new GOES-East imagery. The group was interested in seeing these mosaics and recognized that users may require these in both JPG and GeoTIFF formats.

**Action 7.1: INPE to demonstrate the mosaic at the next session. By: 4 Jun 2014.**

### **3. Update on Regional User Survey (Luiz Machado, Diego Sousa)**

D. Sousa provided an update on the results of the Regional User Survey, with two additional responses from Ecuador and Argentina since the last briefing, with total turn-out now at 46 responses from 12 countries. WMO Secretariat agreed to send to D. Sousa a template to prepare a WMO report by 15 July 2014, as per recommendation by the WMO Expert Team on Satellite Utilization and Products (ET-SUP), 8<sup>th</sup> session (14-17 Apr 2014), which received an update on RA-3-4-SDR results.

S. Bojinski emphasized that the survey report, together with an interpretation of results and proposals for a way forward, and the regional requirements table would form a solid user-driven basis for a regional data distribution plan.

**Action 7.2: D. Sousa and L. Machado to circulate draft survey report to the Group, including an first interpretation of results and proposals for a way forward in terms of optimized regional data distribution and dissemination. By: 15 May 2014**

One question was raised about current plans for the location of GOES-R which was particularly pertinent to direct readout users. NOAA informed that the current plan has GOES-R in the West position (135°W) which would cover only parts of South America.

S. Bojinski quoted recommendations from ET-SUP-8 regarding user preparation in RA III and IV to GOES-R, for information (Annex III).

D. Bradley pointed out that RA-3-4-SDR group should speak with one voice in appropriate fora such as the NOAA Satellite Conference.

The regional requirements table should eventually be updated with input from respondents to the survey, whose specific needs may add to the table. As part of the survey, two respondents commented on the table and agreed with the datasets required. A category noting future satellite needs should be added as appropriate.

S. Wannop raised the question whether the GeoTIFF format was meeting the requirements of all users as opposed to a native format such as LRIT.

#### **4. AOB**

None. The next meeting will be held on **4 Jun 2014 at 14.00 UTC**.

## **ANNEX I: AGENDA**

1. Review of Actions
2. Update by NOAA on GOES-13 Optimized Schedule Tests, including Implications to Users
3. Update on Regional user survey
4. AOB

## **ANNEX II: IMPLEMENTATION OF GOES-E OPTIMIZED SCHEDULES**

The following message was distributed by NOAA NESDIS on 28 April 2014:

This is the implementation of the GOES East / LRIT East optimized schedules into operations.

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Topic: Transition to the new Optimized GOES-13 (GOES-East) Imager Schedules is scheduled for May 6, 2014

Date/Time Issued: April 28, 2014 1841 UTC

Product(s) or Data Impacted: GOES-13 (GOES-East) Imager data. Revised GOES-East schedules will shift some sector start times by up to two minutes, and some sector boundaries by up to 0.5deg. AWIPS users will see NO impact on products or distribution, but temporary image shifts will be seen by N-AWIPS, LRIT, McIDAS, and GVAR (Direct Readout) users.

Date/Time of Initial Impact: May 6, 2014 1600 UTC

Date/Time of Expected End: Permanent change

Details/Specifics of Change: The Office of Satellite and Product Operations (OSPO) engineers will transition the new GOES-13 (GOES-East) Optimized Schedules into operations on May 6, 2014 at 16:00 UTC. The transition will not be performed on a Critical Weather Day if issued by NWS, or if there are other significant operational issues warranting postponement. The backup date will be May 13, 2014 at 1600 UTC.

After close analysis of the current GOES-13 (GOES-East) Imager schedule and in consultation with the National Weather Service, OSPO has created revised, Optimized Schedules that plan to improve data coverage for its users. The Optimized Schedules are designed to better utilize small instrument idle times that were not available on previous satellites (GOES I-M) due to required commanding. This usage will enable more coverage in areas of interest, such as Canada, the Caribbean Sea, Central America and South America. In addition, the command timing will be better aligned between Routine, Rapid Scan, Super Rapid Scan and Full Disk schedules.

In August, 2013, while GOES-14 was out of storage, all schedules were tested.

Adjustments were made to ensure the sequences ran without error, and retested successfully. In addition, live testing on GOES-13 (GOES-East) was successfully conducted on March 4, March 6, April 22, and April 24, 2014.

Most users will not need to make any changes for this transition. If differences are observed, users are encouraged to report these unexpected issues to the ESPC Help Desk.

Contacts for Further Information: ESPC Operations Help Desk at [ESPCOperations@noaa.gov](mailto:ESPCOperations@noaa.gov) or [\(301\) 817-3880](tel:3018173880) for operational concerns, including outages and administrative information. Satellite Products and Services Division User Services Coordinators at [SPSD.Userservices@noaa.gov](mailto:SPSD.Userservices@noaa.gov) for general comments and inquiries.

Additional Web Site Resources:

See <http://www.ssd.noaa.gov/PS/SATS/messages.html> for this and other satellite related messages.

See <http://www.ospo.noaa.gov/Operations/GOES/schedules.html> for GOES schedules.

See [http://www.ospo.noaa.gov/Operations/GOES/schedules\\_3col.html](http://www.ospo.noaa.gov/Operations/GOES/schedules_3col.html) for a preview of the new proposed GOES-13 (GOES-East) Optimized Schedules (not operational until May 6, 2014)

**ANNEX III: DRAFT RECOMMENDATIONS FROM WMO EXPERT TEAM ON  
SATELLITE UTILIZATION AND PRODUCTS RELATED TO GOES  
(8<sup>th</sup> SESSION, 14-17 APRIL 2014)**

**RECOMMENDATION:** NOAA NESDIS to consider using an extended check-out period to make GOES-R data available on a pre-operational basis.

**RECOMMENDATION:** NOAA NESDIS and NWS participate in the RA III session in Sep 2014 (Asuncion, Paraguay), in particular to inform on the plans for GOES-R and GEONETCast-Americas.

**RECOMMENDATION:** NOAA NESDIS, in collaboration with international partners, to develop a GOES-R preparation project for users in RA III and RA IV (outside the US).

**RECOMMENDATION:** T. Mostek and CIRA to facilitate organization of GOES-R related events through the VLab and dedicated user conferences, such as the 2015 NOAA Satellite Conference.

**ACTION:** NOAA NESDIS to consider using the WMO RGB standards in the GOES-R product suite, and to report on progress at the next session of the Team.