

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

9th Teleconference, 14 July 2014, 14.00 UTC

Summary

Participants:

Luiz Machado, INPE, Brazil
Diego Sousa, INPE Brazil
Sergio Pereira, INPE Brazil
Paul Seymour, NOAA NESDIS, USA
Kelly Sponberg, NOAA NESDIS, USA
Sally Wannop, EUMETSAT
Stephan Bojinski, WMO
David Bradley, Environment Canada

0. Update on GOES-15 temporary imager outage

P. Seymour informed about a temporary outage of the GOES-15 imager on 16 July, due to malfunctioning of its star tracker. More details of this anomaly are available here <http://www.ssd.noaa.gov/PS/SATS/messages.html>

The NOAA notification services can be subscribed to by sending an email to ESPC Operations at ESPCOperations@noaa.gov or call +1 301 817 3880.

1. 2015 NOAA Satellite Conference: Your input

Action 8.1: Group members to provide feedback to the request for input to the 2015 NOAA Satellite Conference programme.

P. Seymour informed that planning of the Conference was underway, and that preliminary schedules looked as follows:

- 25-26 April 2015: VLab Training Event
- 27 April 2015: Conference opening at 13.00
- 1 May 2015: Conference closing at 11.30

Conference co-chairs are Eric Madsen and Natalia Donoho.

The Group recommended that a face-to-face meeting of the Group be held in the morning (8.30-12.00) of Monday 27 April 2015. The Group further recommended that a second meeting of the Group be organized on 1 May at 12.30-15.00 (tentative) as a working lunch.

L. Machado stressed the user perspective on the Conference. The event should help:

- To assess the level of user preparation across the Americas to the new systems (GOES-R, NPP)
- To aim a structure in the Americas akin to the EUMETSAT SAF network to strengthen user-provider interaction

Further suggestions for presentations by NOAA are on:

- 1) GOES-R
 - a) What is the difference between GOES and GOES-R
 - b) How can I receive the data (old GOES proxy, direct readout, ?..)
 - c) What the direct readout station need to have (hardware and software).
 - d) How is the format and data access in real time and historical
 - e) New products and how to access.
 - f) Old GOES products ? what will change?
 - g) How the user can contribute to GOES program (Satellite application facilities? Satellite product validation, satellite product development? How to engage user in the GOES-R program.
 - h) GOES-R providing ground ? Development of virtual, proxy, synthetic images and how user can participate.
- 2) NPP
 - a) How to receive the data
 - b) Direct readout station
 - c) Products
 - d) How to access products
 - e) How to contributes to NPP program.

Presentations by users could address the following questions:

- 3) User presentation
 - a) Are you using NPP? How do you receive and what do you do with the data.
 - b) Are you receiving data through GEONETCast-Americas? Do you know the system? Do you use the data? Do you know the data? What are your requirements? Would you like to receive or upload any products?
 - c) What do you know about GOES-R? How are you preparing to receive data? What are the expected difficulties? Will you process and generate any products? What you have already done? What do you expect from GOES-R?

Action 9.1: Group to send further comments on the 2015 NOAA Satellite Conference programme to Paul Seymour, for consideration by the Conference organizing committee. By 25 July 2014.

S. Bojinski introduced the Satellite User Readiness Navigator (SATURN) portal developed by WMO in cooperation with the meteorological satellite operators in CGMS, to assist users worldwide in preparing for the new generation of satellites which are planned for operations in the 2015-2019 timeframe. SATURN contains posts maintained by focal points at the satellite operators (Steve Goodman in the case of GOES-R) which contain user-relevant information and URLs to operators' websites. The site is under development, and critical sections will be made available in French and Spanish, in addition to English.

All entries related to GOES-R User Preparation are here:

<https://www.wmo-sat.info/satellite-user-readiness/topic/satellites/goes-r/>

The site also features a Reference User Readiness Project, to guide the structure of user readiness projects and proving ground-type activities (with suggested timelines and milestones relative to the launch date; -5 years, -4 years, etc.):

<https://www.wmo-sat.info/satellite-user-readiness/topic/planning-for-readiness/>

2. Update on GEONETCast-Americas

S. Bojinski informed on a conversation with Yana Gevorgyan (NOAA NESDIS) about the relationship of the Group with GEO SBA-related users of satellite data. The Group agreed in principle to be open to participation by user representatives from GEO SBA-related communities, although the focus of the Group on WMO-related user matters should be preserved. Adding a focal point from the GEO secretariat would seem the preferred first step in this regard.

Action 9.2: S. Bojinski to contact GEO Secretariat for nomination of a focal point to the Group. By 31 July 2014.

3. Data requirements table: status and plans

P. Seymour continues working with D. Sousa on completing the requirements table; some issues with the NOAA Product Distribution and Access system and the legacy product catalogue were noted.

S. Bojinski stressed that the table should be ready for broad use and response by satellite operators, at the latest by the time of the 2015 NOAA Satellite Conference.

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 continues working on this Action until early July 2014, based on a consolidated table with the input provided by EUMETSAT and INPE

INPE have added two columns to the table that describes the application area and the GEO SBA addressed for which each datasets is mainly useful. This may facilitate the work of identifying relevant datasets within NOAA NESDIS.

4. South America Image Mosaicking

INPE are working on a new operational image product based on NOAA polar satellites at roughly hourly resolution, in order to complement the geostationary imagery from GOES-13. Exchanges with SMN Argentina address data format issues. The final product will be in a GeoTIFF format and to be distributed and exchanged over GEONETCast-Americas.

5. AOB

The Regional Survey report has been made available as draft to the Group (by email on 16 July, and posted on the Group website); the Survey report should be finalized by 4 August 2014, based on feedback by the Group.

Action 9.3: Group to provide feedback to the draft Regional Survey report. By 21 July 2014.

Action 9.4: INPE to finalize Regional Survey report. By 4 August 2014.

P. Seymour suggested that a formal response by the Group to NOAA on the utility of the new GOES-13 image sectors "South America Central" and "South America South".

Action 9.5: Group to provide, in writing, feedback to S. Bojinski on the utility of the GOES-13 imager sectors "South America Central" and "South America South", as basis for an official communication to NOAA.

The next meeting will be held on **16 September 2014 at 14.00 UTC**.