WMO RA-3-4-SDR Teleconference (24th)
21 November 2017, 13.00-14.30 UTC

Attendees:

Diego Souza (INPE)
Estela Collini (SMN Argentina)
Kathy-Ann Caesar (CIMH)
Jorge Chira (Peru)
Bernie Connell (CIRA) Natalia
Donoho (NOAA)
Diego Campos (Chile)
William Abarca (El Salvador)
Natalia Donoho (NOAA)
Dwayne Scott (Belize)
Bryan Thomas (T&T)
Martial Garbanzo (Costa Rica)

Apologies:

Hongming Qi (NOAA)
Luiz Machado (INPE)
Diana Rodriguez (SMN Argentina)
Glendell de Souza (BCT)
Sally Wannop (EUMETSAT)

Agenda items are:

1. **Status of Actions**
2. **AOB**

1. **Status of Actions**

ACTION 3.1: The Group to assist Members as needed in applying for access to the PDA.

Natalia Donoho (NOAA) to share a presentation on data access routes with the Group. Currently NOAA does not accept new applications for using the PDA. SMN Argentina and INPE use the PDA regularly; T&T have an application running but no data access via PDA as yet; data for the SMN Training Program for the New Generation of Geostationary Satellites oriented to forecasters in Buenos Aires 21-24 November 2017 were accessed via the PDA.

ACTION 3.2: The VLab CoEs to organize a training session in Spanish on accessing NOAA data through PDA and CLASS, once these routes are available.

Martial Garbanzo produced youtube video on using NOAA CLASS:
https://www.youtube.com/watch?v=IgoOuFQFvIs&feature=youtu.be

SMN will work with the online PDA access instructions module. IT people in charge will be Hernán Ciminari and Diego Sanchéz.

ACTION 3.6: EUMETSAT to provide the latest list of EUMETCast-Americas receiving stations to the Group.

In general EUMETSAT have a policy of not providing the contact details of our users to third-parties. At the time of the termination we contacted all users and informed them of the possibility to convert to GEONETCast Americas.

Both NOAA and INPE provided information to support the transition and this was included on a dedicated web page: https://www.eumetsat.int/website/home/TechnicalBulletins/EUMETCast/DAT_2968351.html

It is almost 12-months since the EUMETCast service terminated. By now, those interested would most likely have made the switch over. If given the start of GOES-16 operations there is an interest in promoting the availability of this service through GEONETCast Americas, EUMETSAT could send a notification to our ex-EUMETCast Americas users on behalf of RA 3-4, inviting them to get in contact with the group, NOAA or INPE.

ACTION CLOSED.

New ACTION 3.15: EUMETSAT to send a notification to ex-EUMETCast Americas users on behalf of RA 3-4-SDR, indicating details on the switch-over to GNC-A.

ACTION 3.9: In a Group teleconferences, to focus on the Unidata LDM, and on the DCS system (in Spanish). Scott Rogerson (NOAA DCS manager) should be involved.

Unidata LDM will provide GOES-16 data. The next call should focus on Unidata LDM and DCS (in Spanish).

ACTION 3.10: H. Qi to find training resources on the PDA within NOAA (Donna Macnamara) and organize together with B. Connell and INPE, SMN a training on using the PDA.

Donna Macnamara informed that NOAA provide guidance when a user is approved and invite them to a training session via WebEx. For international users NOAA make their subscriptions to the PDA.

SMN already answered to Action 3.2, and is willing to work together.

ACTION 3.11: H. Qi and D. Souza to update JPSS data load table, and Group to use JPSS-related list of data and products for expressing priorities regarding future availability of VIIRS channels on GNC-A – by November 2017

CLOSED: New proposal for JPSS-1 data and products on GNC-A, taking up 15.35% of bandwidth. **New Action 3.16: Group to provide comments on the proposed JPSS data on GNC-A.**

ID#	GENERAL FILE INFORMATION					FREQUENCY AND SIZE		TIME REQUIRED		BANDWIDTH IMPACT		
	PROVIDER	PRODUCT GROUP	FILE DESCRIPTION	WL [µm]	FORMAT	FREQ. [min]	AVG. SIZE [kB]	SECONDS	MINUTES	DATA RATE [kb/s]	AVG %	TOTAL %
1	NOAA-NESDIS	VIIRS DNB	DNB	-	NetCDF4	1440	2170000.00	1446.6667	24:06.67	200.92593	1.67	1.67
2	NOAA-NESDIS	VIIRS I BAND	I5	10.50 - 12.40	NetCDF4	1440	8670000.00	5780.0000	36:20.00	802.77778	6.69	6.69
3	NOAA-NESDIS	BLENDED TPW	Global TPW	-	PNG or HDF	60	170.00	0.1133	00:00.11	0.37778	0.00	0.003
4	NOAA-NESDIS	GCOM	Imagery	-	NetCDF4	1440	1340000.00	893.3333	14:53.33	124.07407	1.03	2.42
5	NOAA-NESDIS		Ocean	-	NetCDF4	1440	600000.00	400.0000	06:40.00	55.55556	0.46	
6	NOAA-NESDIS		Precipitation	-	NetCDF4	1440	290000.00	193.3333	03:13.33	26.85185	0.22	
7	NOAA-NESDIS		Sea Ice	-	NetCDF4	1440	570000.00	380.0000	06:20.00	52.77778	0.44	
8	NOAA-NESDIS		Snow	-	NetCDF4	1440	180000.00	120.0000	02:00.00	16.66667	0.14	
9	NOAA-NESDIS		Soil Moisture	-	NetCDF4	1440	150000.00	100.0000	01:40.00	13.88889	0.12	
10	NOAA-NESDIS	MIRS	Sounding	-	NetCDF4	1440	2900000.00	1933.3333	32:13.33	268.51852	2.24	2.48
11	NOAA-NESDIS		Imagery	-	NetCDF4	1440	320000.00	213.3333	03:33.33	29.62963	0.25	
12	NOAA-NESDIS	NUCAPS	-	-	NetCDF4	1440	2700000.00	1800.0000	30:00.00	250.00000	2.08	2.08

NOTE: The full globe imagery size was already divided by 3, so we have an estimate for the GOES-East Footprint
NOTE: JPSS should use 20% of the BW

TOTAL (%)	15.35

JPSS-1 was successfully launched on 19 November 2017.

ACTION 3.12: Martial Garbanzo to inform Group about plans to make GOES-16 data available over LDM.

CLOSED: Unidata LDM will provide GOES-16 ABI and GLM data.

ACTION 3.13: NOAA (N. Donoho) to inform about format and deadline for such a proposal [for regional training activities], to be taken into consideration by the NOAA international training programme.

NOAA has a GOES-16 International Training Working Group (GITWG). There is a web form through which users can request training (
http://www.goes-r.gov/exit.html?https://docs.google.com/forms/d/e/1FAIpQLSe7Ru_GXEvKy406pb1lXseDLv8rwJqxEB6UmZx1mfRSXVbxew/viewform?c=0&w=1) .

It is planned to have one English-speaking and one Spanish-speaking training event per year. No decisions taken yet as to details. Preliminary plan is to have in 2018 one training in Barbados, and one in Argentina, on GOES-16 use and GNC-A.

MSc Marines Campos, RTC-SMN, Argentina has completed the google form to request support for GOES 16 Training (11/23/2017). Collaboration with University of Costa Rica (Marcial Garbanzo) and INPE (Daniel Vila) is welcome.

ACTION 3.14: E. Collini, with assistance from Training Task Team, to complete compilation of training needs by 30 Nov 2017.

Compilation available, in Spanish. Translation into English yet to be done. Kathy-Ann Caesar to look into ways to collaborate via dropbox.

Kathy-Ann Caesar matched training needs received in the Caribbean with training events, and the skills described in the Satellite Skills WMO Guideline. This includes basic needs, interpretation of L1, L2 data, installation of software, hardware, maintenance. Will share this information with the Group once consolidated.

2. AOB

Amazon WebServices (AWS)

Dwayne Scott requires information about getting GOES-16 data through Amazon WebServices (AWS), and processing these data into a loop for easy use by forecasters.

William Abarca informed that in El Salvador, they are using AWS to access GOES-16 data in real time, together with GNC-A. They use McIdasV scripts to proccess the NetCDF files (single band and multiband) downloaded from AWS.

More information at:
https://aws.amazon.com/public-datasets/goes/
https://aws.amazon.com/cli/
http://home.chpc.utah.edu/~u0553130/Brian_Blaylock/cgi-bin/goes16_download.cgi

Diego Souza reported that INPE use AWS in research mode; can share information with the Group.

Martial Garbanzo said that he has the scripts for AWS and the Python programs to generate products. They are coded in Shell Script and Python on Linux.

Latency of AWS is comparable to other access techniques, depending on local internet connectivity.

Update by SMN Argentina

As part of the Training Program for the New Generation of Geostationary Satellites of the SMN - Argentina (November 21 to 24, 2017), today begins the workshop on GOES-16 dictated by Jose Galvez, which I am coordinating with SMN personnel. The software SIFT 0.9.40 and Wingridds V3.2 will be used, using local cases with

relevant synoptic situations.

Argentina bought and installed the Kencast Fazzt software to convert the Eumetcast system to Geonetcast -A. This week, SMN staff begins to build a concrete platform to locate the antenna on the terrace of the SMN building. We hope that we will be able to receive data by December 2017.

3. Next teleconference

To be decided.