ABoVE Science Cloud Webinar:
System Updates and Q & A

November 18th, 2016
Agenda

1. NGA DigitalGlobe Data Updates
2. System Updates/Announcements
3. Q&A
NGA DigitalGlobe Imagery on the ASC

• Over 2 Petabytes of imagery available
• Request access through forms on the ABoVE webpage

• **New** NGA-NASA Data Access Agreement for **NEW** users only with sections on:
  – Describing planned use of the imagery and how it will be used exclusively to support ABoVE research project(s), with a direct benefit to NASA
  – Geographic zone(s) needed for ABoVE research areas only
  – Copying imagery out of the ASC
Proper Use of NextView Licensed DigitalGlobe Imagery for ABoVE researchers

Find this presentation on the ABoVE website>>
Current ABoVE NGA data users will be granted North American Upper and Alaska, unless their project calls for additional data.
Copying DG Data out of the ASC

• Currently, DG imagery cannot be copied out of the ASC
• If you need to copy imagery out of the ASC, you will need to fill out a new data agreement form. Provide:
  – Brief justification of why these data need to be copied out
  – Where data will be copied to
  – Your intended use of the data
DG Footprints
File:
Imagery available on the ASC – showing all sensors, imagery levels, cloud cover and years of data.
Imagery Footprint Files

• Now accessible at:

  Linux path: /att/pubrepo/NGA_footprints/
  MobaXterm path: /att/gpfsfs/atrepo01/data/NGA_footprints/

Or in

/att/pubrepo/NGA/INDEX/Footprints/current/11_15_2016
(accessible only through first connecting to one of your Linux VMs or after logging in to the Windows VM)
Imagery Footprint Files

• Files are organized by Sensor, processing level, and year

• Most imagery is Basic (1B) Imagery:
  – Corrected for radiometric distortions, internal sensor geometry, optical distortions, and sensor distortions.
  – NOT geo-referenced nor mapped to a cartographic projection.
  – Intended for sophisticated photogrammetric processing such as orthorectification & is a scene-based product.

Plans underway for method to georeference and orthorectify imagery on the ASC – plan for a webinar in December or early January.
System Updates

• Creation of a 'next-generation' platform leveraging Python's 'pip' tool to manage updates
  – Contact support if you want access: support@nccs.nasa.gov

• To facilitate higher I/O workloads, a higher-performance filesystem will be implemented late next week for the 'userfs02' $NOBACKUP filesystem
Announcements

• New Instructions Available: Connecting to the Windows VM using the Guacamole web browser
  – Find a video under “Video Tutorials” on the ASC Setup Page>>
  – Find the written directions on the ADAPT webpage>>

Next Webinar – off cycle webinar in December or early January – look for an email soon.