



ABOVE Science Cloud Webinar

Presentations by Dr. Chris Neigh & the ASC Team

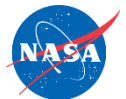
April 23rd, 2020



above.nasa.gov



nccs.nasa.gov



Presentation by Dr. Chris Neigh

Dr. Chris Neigh will discuss results from his NASA-funded project to create automated protocols for generating very high-resolution commercial validation products using NCCS resources (see the project profile [here>>](#)). He will give an overview of the API he and his team developed to work with high-resolution optical data (including the DigitalGlobe data available to ASC users) and the front end of that system which is available to ABoVE users (this is a mosaic datasets which can be used to visualize the data).



ASC Updates

Centralized Storage Solution (CSS)

Location on
Linux

```
*****  
***** ADAPT Message of the Day (MOTD) *****  
*****  
  
$HOME quotas default to 10G.  
$NOBACKUP quotas default to 5.5TB.  
  
We encourage referencing the automatically set $NOBACKUP variable,  
or /att/nobackup/{yourUserId}, as a path for any additional storage  
required.  
  
Users are encouraged to make use of the 'ppdsh' utility as a means  
of easily executing jobs across multiple nodes.  Simply run 'ppdsh'  
for instructions on its use.  
  
Large public datasets are mounted to the NCCS Centralized Storage  
System (CSS).  Access these datasets via the /css mount, as shown  
in the examples below:  
  
/css/landsat  
/css/merra  
/css/nex  
/css/nga (signed user agreement required for access)
```

CSS Location on Windows

- ★ Favorites
 - Desktop
 - Downloads
 - Recent places

- This PC
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - Local Disk (C:)
 - home (H:)
 - briskfs01_nobackup (I:)
 - hic101 (Q:)
 - atrepo01 (R:)
 - curated01 (\\css-csmb.css.nccs.nasa.gov) (S:)
- Network

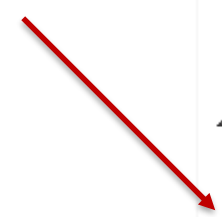
- Music
- Pictures
- Videos

Devices and drives (5)

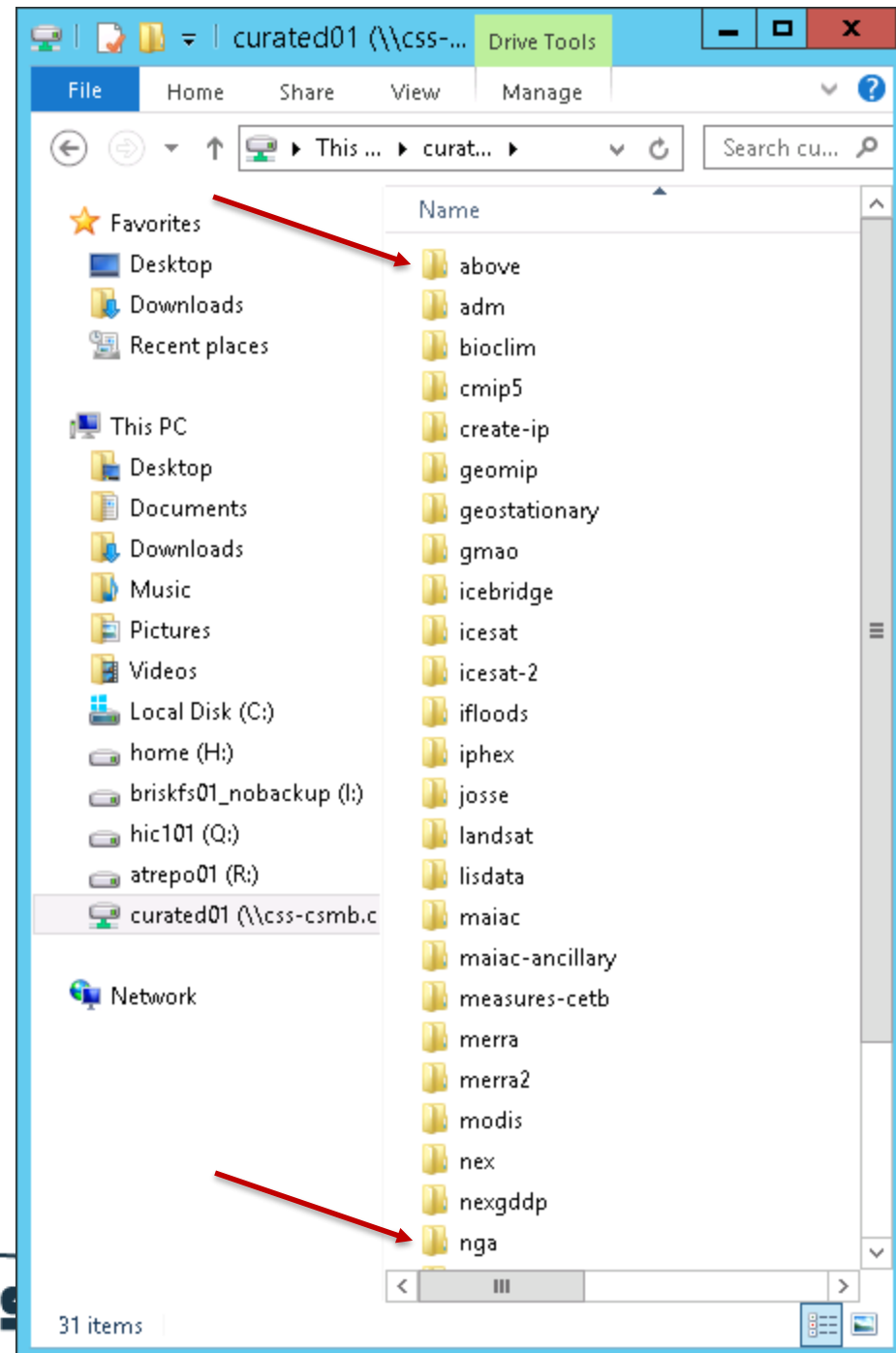
- Local Disk (C:)
450 GB free of 0.99 TB
- home (H:)
44.0 TB free of 45.4 TB
- briskfs01_nobackup (I:)
807 TB free of 1.54 PB
- hic101 (Q:)
1.03 PB free of 2.39 PB
- atrepo01 (R:)
0.97 PB free of 2.04 PB

Network locations (1)

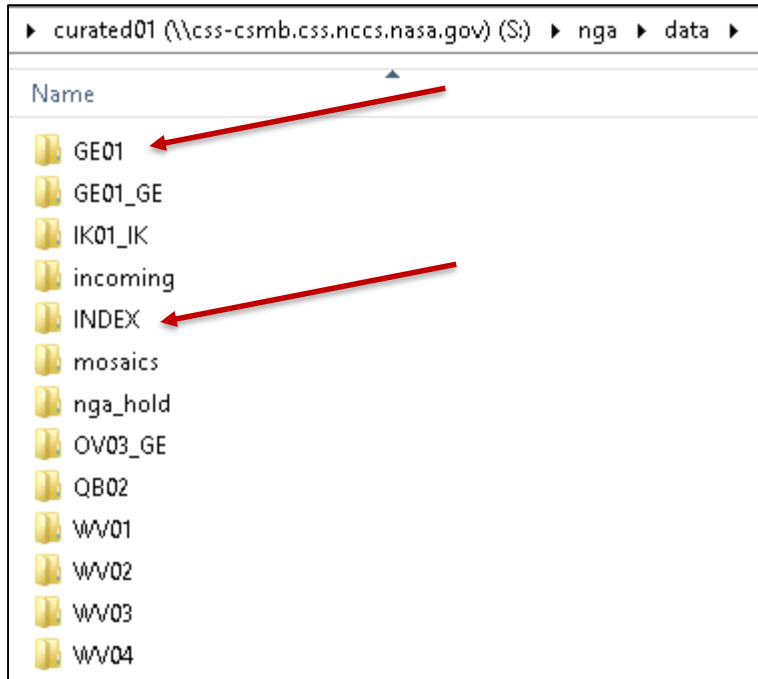
- curated01 (\\css-csmb.css.nccs.nasa.gov) (S:)



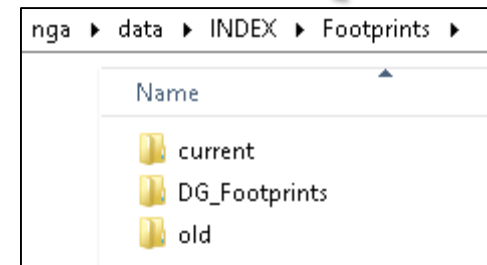
ABOVE and DG Data Location in CSS on Windows



DG Data on CSS

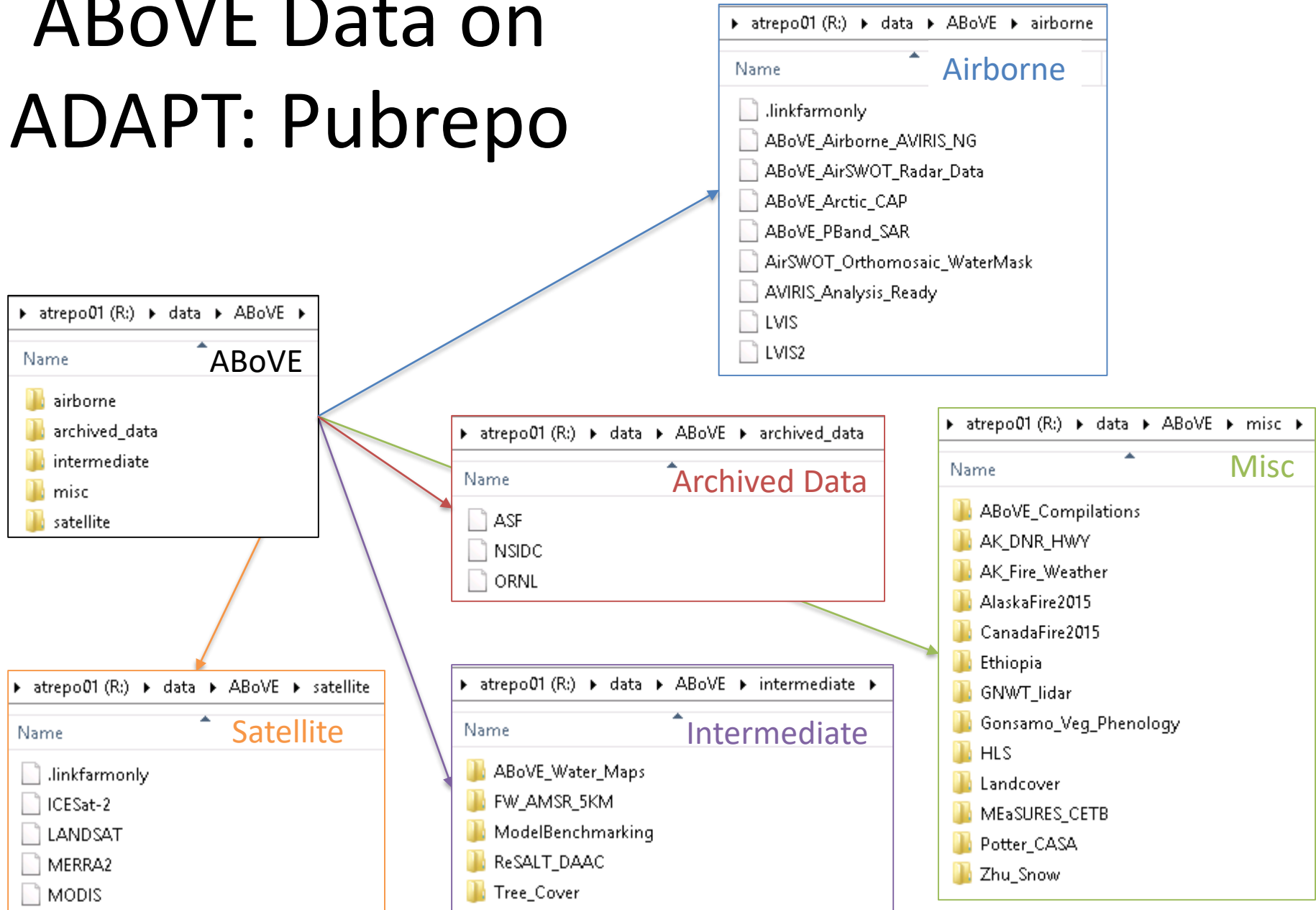


- Organized by sensor/level/year/day
- Find the Footprints file under INDEX

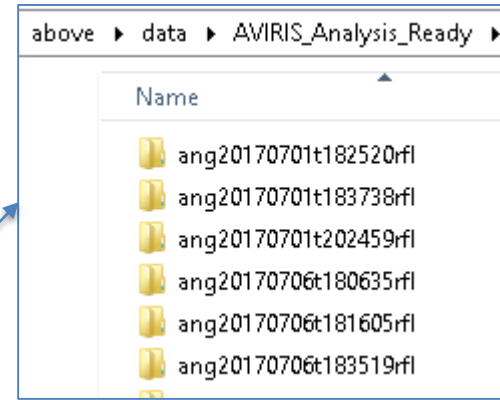
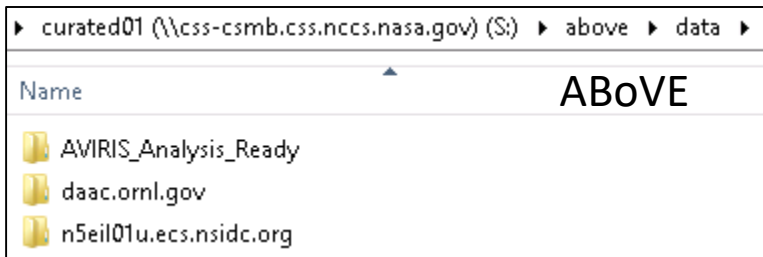


Note: NCCS is working to streamline ingest process for DG data – more in a future webinar.

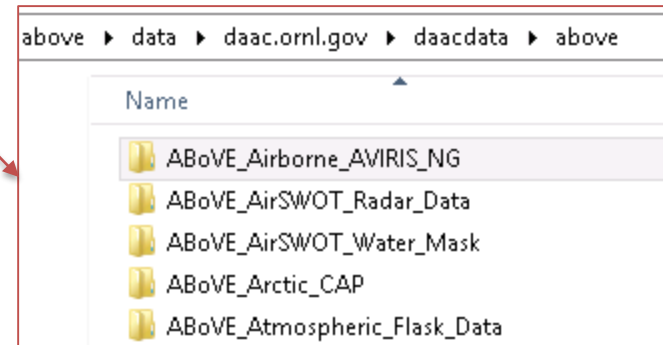
ABoVE Data on ADAPT: Pubrepo



ABoVE Data on ADAPT: CSS



AVIRIS-NG
Analysis Ready



ORNL DAAC ABoVE
Archived Data



NSIDC Archive:
LVIS Data



In development for ADAPT...

ASC Updates

- Upgrades coming to Guac
- ADAPT downtimes – Monthly, the Wednesday after the second Tuesday of the month.
 - May 13th
 - June 10th
 - July 15th
 - August 12th
- ADAPT Issues? Contact support@nccs.nasa.gov

Announcements

- Success stories you would like to share? Email Liz Hoy elizabeth.hoy@nasa.gov
- How do I cite the ASC in my publications? Use language similar to:

“Resources supporting this work were provided by the NASA High-End Computing (HEC) Program through the NASA Center for Climate Simulation (NCCS) at Goddard Space Flight Center.”