
LP DAAC Brief

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Terra/Aqua/S-NPP Virtual Workshop
July 1, 2020



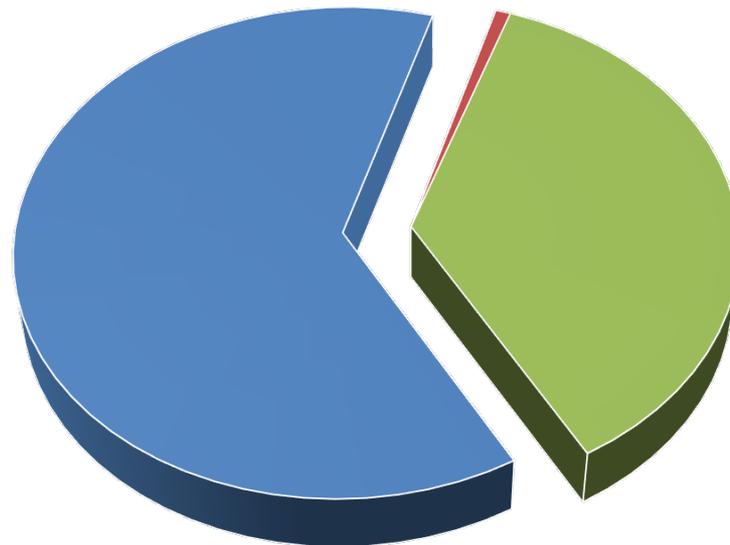
Access & Distribution Metrics

Datasets: All MODIS & VIIRS Land

Period: 6/1/2019 - 5/31/2020

Total Volume *Distributed*
1,688 TB

Total Volume *Accessed*
4,505 TB



- AppEEARS Access (2,853 TB)
- AppEEARS Distribution (36 TB)
- All Other Distribution (1,652 TB)

Bottom Line Up Front

NASA Earth Science Data Systems is working towards a cloud-first data archive future and is migrating existing data products to a cloud-based data lake.

Cloud Migration (per Katie Baynes, ESDIS)

Key Takeaways

We have been developing and testing our cloud-based platforms for ingest and archive since 2016. Including in operational scenarios.

Data access will continue to be **FREE**.

You **WILL NOT** be required to have an AWS account.

Based on current and predicted system load and growth and historic performance, access **speed will not change**.*

Level of service will not change; prior to going fully operational, DAACs will be ensuring parallel functionality.



**This includes some multipliers of wiggle room*

Cloud Migration

- So far, LP DAAC has been in capacity building mode
 - Getting the cloud architecture working
 - Limited variety of datasets (HLS, ASTER GDEM, a few MODIS)
 - Nothing public
- Major business goals for LP DAAC going forward
 - All holdings migrated to cloud
 - On-prem ECS architecture is deprecated
 - Maintain a non-cloud stewardship archive
 - On-prem at a federal facility
 - Continuity of services
 - Access, science communications, user support, data management