

# Data transfer and continued work

- OCPS - continuing to work on little things: waiting for more direction and API hook ups with running "jobs" on data ASAP at clusters.
- Gen2 (RC2 and DC2) schedule continuing for now and now adding Gen3 RC2 on the same weekly as Gen2.
- 6 separate data streams continueing and more coming back online.
- NTS Auxtel, NTS comcam, SLAC BOT and CCS only, Summit Comcam (CCS and image), Summit Auxtel CCS and image - all have different timings, different people want different things, and all have different ingestion environments. And when it doesn't ingest, everyone wants to know immediately why. -- adding resources here to help. Adding in Gen3 ingest to monitoring screens.



# BPS and DBB areas – needs to be focus area now.

- **Gen3:**
  - Gen3 for DR6 raws generated and sky map.
  - Training science staff and HTCondor cluster additional nodes taken from the slurm cluster.
  - New science users putting large jobs through the 4 nodes. Meredith put through 80,000 jobs in a single pipeline scaled without any problems
  - Gen3 conversions for RC2 runs done for each weekly testing the weeklies.
- **EFD into consolidated DB for joint query with raw data: coming**
- **DBB - needs to app up now:**
  - Rucio prototyping w/Fermi and In2P3 - Moves data great, but still working on DB rows that need to move which maybe DB tools for that.
  - Rucio will be needed for MOU distributed data though. If Universities want a copy of the data.... Move the released data to those sites through Rucio.
  - Seems like using hammer for a put a tack into the wall to use Rucio to move the files to IN2P3 and UK, since we still need to move our own repo entries.
  - Work is on going



# Infrastructure

- Stable and not changing.
- No plans for new hardware unless needed somewhere.
  - Suggestion to move some of the slurm hardware into the HTCondor flock. Don't want to leave impression with the users that it takes a long time to run jobs for gen3.
- NTS (NCSA test stand) hardware moving in 2021.. Or at least maybe not needed anymore and re-allocated to condor flock. Do we have timing like Summer?
- New services such as public access for plots could take a while due to resources have moved on to other projects. Will check into what is available.
- Gen3 repos and GPFS filesystems are getting permanent data homes (RFC-741)



# Camera

- Auxtel, comcam, catchup archiver, forwarders, OODS (Gen2 and Gen3)
- One week a month is dedicated to supporting all the changes and data coming into the repos for Auxtel.
- Testing leading up to the one week, and incorporating all the new xml new releases and etc.
- LSSTcam (MTcam) for Main telescope -- does NCSA begin to start on this with Tony? Or is this someone at SLAC taking up this torch?
- OODS into a CSC
- Catchup archiver -> S3 device -- unsure if we need catchup archiver anymore due to camera data transfer redesign.
- New design for data transfer for LSSTcam