

Software / Offline Computing Session

Data Validation - Andy Blake

DocDB 11127

- **Data validation continues to run automatically at Fermilab.**
- **Both detectors have an excellent up-time in Run 12.**
 - Near Detector up-time: 98.5%
 - Far Detector up-time: 98.4%
 - High up-time reflects stable operations, fast interventions, great people (shiffters, mine crew, run coordinators).
- **Have now collected $>5.5e20$ POT good data with ME beam.**
 - Run 12 has now overtaken its 'design' prediction ($2.9e20$ POT).
- **Beam data from April 23rd flagged as bad in my calculations.**
 - Will update POT numbers to reflect recovery of these data.
- **Run 12 has one 'special run' so far: half-intensity running.**
 - Will be useful for MINOS+ to analyse these data (especially in light of recent batch-intensity issues).
- **Hope for continued high up-time in remainder of run period!**

} Close to maximum possible

BAD CHANNELS AND OM REPORT – Andy Perch

DocdB 11142

- The Bad Channel Finder is running normally
 - Channels appear sporadically, often close together in time
 - Hot (high ADC) channels have been the most common
- There were some stability issues with the ND OM
 - Was lagging behind & old catchup mechanism wasn't suitable
 - Have reimplemented it, and it's keeping up to date now
 - Available for shifts, and a few Minerva shifters have been using it too
- I have the code working for the FD as well
 - Just needs a set of webpages
 - Would like to get this running ASAP

COMPUTING INFRASTRUCTURE – Arthur Kreymer

DocDB 11143

Young Minos issues – isn't that everything ?

- /pnfs/minos/persistent/users is not purged, not tape backed. Use in place of /minos/data
- TSW draft is being signed
- OPOS (Offline Production Operations Services) is monitoring our jobs
 - Using SAM projects, deploying FTS
- Retired minos_jobsub Feb 23 (small temporary interactive remnant)
- Retiring CPN for ifdh cp, with compatibility wrapper for batch
- /minos/data Fermigrid unmount can proceed, with shift from cpn to ifdh cp
- Retiring minos25,27,50-54 – replace with Vms minos-data and minos60-63
- Deploying CVMFS for OSG/XSDE/LOCAL on /cvmfs/minos.opensciencegrid.org - fix symlinks

Old Minos issues

- Data Preservation – what happens beyond Minos+ running ?
- Near Detector Task Force – handoff to Minerva