



MINOS+ Status Report



Donatella Torretta
All Experimenters' Meetings
April 14 , 2014



Near Detector



DAQ

- Took good data all week
- Planning to do another network disconnect test during the next beam downtime
 - We tried last Tuesday
 - SWS un-mounted BlueArc disk from the online daq machine
 - Unfortunately we encountered some dependencies in the monitoring processes that need to be addressed before proceed any further
 - Re-mounted BlueArc on minos-daq04-nd
 - We'll investigate these dependencies using one of the hot spares (minos-daq05-nd) while taking data



Electronics

- A new hot channel 6-20-0-6 has appeared on Friday
 - We need to swap the Minder board at the next opportunity
- **Good news**
 - Got 5 **NEW Keeper boards** from Argonne (had only 1 spare)



Far Detector



DAQ

- Took good data whole week
except
- DAQ crashed Saturday night ~11:00 pm
- Evening/owls shifts are un-manned
- Notification e-mail was sent to experts but not seen
- DAQ was restarted around 7:00 am on Sunday morning
- Lost ~8 hours of beam
- We have added notification to DAQ experts' cell phones via text messages
- We are investigating additional ways to notify the experts



Far Detector



Electronics

- Ongoing issues with auxiliary PPS monitor system in Crate 4
 - Still under investigation
 - Primary system in Crate 2 works fine
- Crate 14 flat CI channel disappeared on its own
 - Still believed to be a problem in the MUX box pass-thru
 - Cleaned all pins on cables in MUX box
- A new flat CI channel appeared at 13-1-3-1-1



Far Detector



Network issue

- On Friday, discovered a RDNS bug for Soudan/Ash River IP addresses in ESnet network
- Kerberos failed to authenticate the node names
- Therefore FD monitoring processes could not be started remotely
- Ticket opened on Friday: increased urgency this morning.

- The problem has been fixed ~11:30 am:
- From the ServiceDesk incident update:
 - “According to ESnet, the reverse DNS servers are now corrected. Please test and verify that the system is working as you expect.
Depending on your local DNS server caching or local workstation DNS caching, there could be up to 1 day before the DNS update propagates everywhere (TTL=1 day).”

- We would like to thank CS for their help



MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
12/30/13 00:00:00	01/06/14 00:00:00	94.9%	94.9%	98.5%	98.5%
01/06/14 00:00:00	01/13/14 00:00:00	95.9%	95.9%	98.7%	98.8%
01/13/14 00:00:00	01/20/14 00:00:00	99.7%	98.8%	99.8%	99.3%
01/20/14 00:00:00	01/27/14 00:00:00	99.0%	99.1%	95.2%	94.8%
1/27/14 00:00:00	2/3/14 00:00:00	99.7%	99.7%	95.8%	96.6%
2/3/14 00:00:00	2/10/14 00:00:00	99.5%	99.6%	94.9%	95.2%
2/10/14 00:00:00	2/17/14 00:0:0:00	95.7%	95.7%	99.9%	99.0%
2/17/14 00:00:00	2/24/14 12:00 AM	99.7%	97.2%	78.0%	87.0%
2/24/14 00:00:00	3/03/14 12:00 AM	98.5%	98.5%	2.09%	2.13%
3/03/14 00:00:00	3/10/14 00:00:00	99.8%	98.0%	88.0%	84.2%
3/03/14 00:00:00	3/17/14 00:00:00	33.6%	48.5%	79.8%	99.1%
3/17/14 00:00:00	3/23/14 12:00:00	88.6%	99.4%	88.4%	99.3%
3/23/14 00:00:00	3/30/14 00:00:00	98.9%	99.3%	98.3%	94.1%
3/31/14 00:00:00	4/7/14 00:00:00	99.6%	99.5%	87.6%	91%
4/7/14 00:00:00	4/14/14 00:00:00	99.7%	98.5%	94.3%	93.2%



FD POT Fraction and Live Time Fraction

