



# MINOS+ Status Report



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All Experimenters' Meetings  
July 7 , 2014



# Near Detector



**Very good running for the past week**

- Single Hot Channel 3-12-5-8
  - Masked in offline reconstruction
  - Will replace it at the next opportunity
- Whole Hot Minder 3-18-0 appeared briefly on Tuesday's afternoon, 07/01
  - Restarting the run sequence and power cycling the crate cleared the errors
  - Bad data for about 30 minutes
- Whole Hot Minder 3-16-0 appeared between 4:30 – 7:30 am on Friday July 4<sup>th</sup>
  - Last MINERvA checklist was done around 4:30
  - Restarting the run sequence cleared the error
  - Bad data for about 3 hours
- Established stricter monitoring checks for shifters to spot this problem quicker
- We asked Data Quality people to see if we can loosen up this criteria





# Far Detector



## Excellent running for the past week

- Some HV issues
  - Replaced HV modules 8, 12 and the controller in MF 4 on Tuesday
  - Cards were reading low: 100 V (8) and 10 V (12)
  - Lost about an hour of beam data
- NO other hardware issues



# ND/FD general



- Tentatively scheduled a Network Isolation test for both ND and FD during the next Booster Cavity replacement ( ~July 15-16)
- Connection problems to Fnal on July 4th
  - ssh failures and web pages un-reacheable
  - MCR opened a ticket and Networking is investigating
  - Problem went away around 9:30 am
  - Apparently limited to Comcast and WOW ISPs
  - Comcast is indeed reporting problems starting around 4:55 am on July 4<sup>th</sup>



# MINOS+ Status

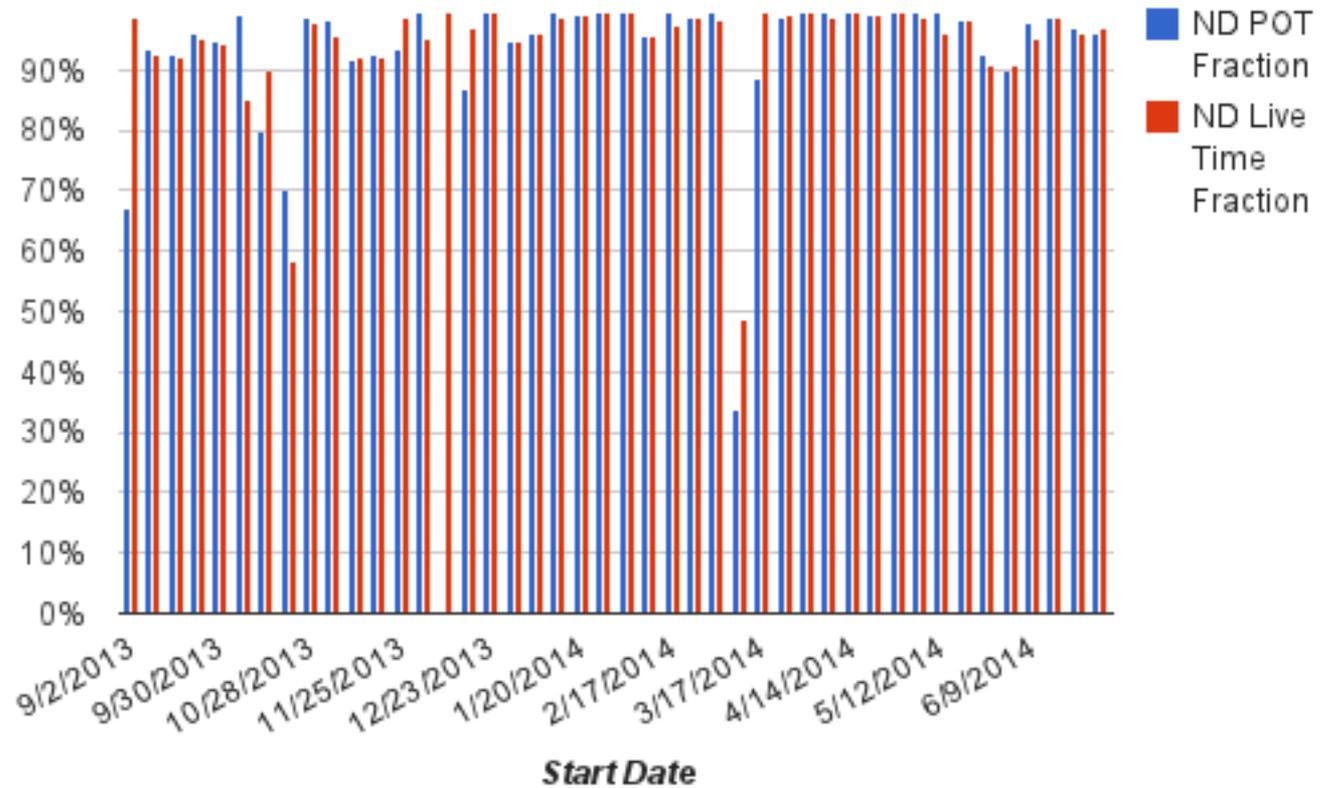


Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
3/03/14 00:00:00	3/10/14 00:00:00	99.8%	98.0%	88.0%	84.2%
3/03/14 00:00:00	3/17/14 00:00:00	33.6%	48.5%	79.8%	99.1%
3/17/14 00:00:00	3/23/14 12:00:00	88.6%	99.4%	88.4%	99.3%
3/23/14 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%	91%	91%
4/7/14 00:00:00	4/14/14 00:00:00	99.7%	98.5%	94.3%	93.2%
4/21/14 00:00:00	4/28/14 00:00:00	99.3%	99.2%	99.1%	98.5%
4/28/14 00:00:00	5/5/14 00:00:00	99.6%	99.4%	99.8%	99.9%
5/5/14 00:00:00	5/12/14 00:00:00	99.5%	98.7%	99.8%	98.1%
5/12/14 00:00:00	5/19/14 00:00:00	99.6%	96%	99.7%	93.3%
5/19/14 00:00:00	5/26/14 00:00:00	98.3%	98.4%	97.5%	97.8%
5/26/14 00:00:00	6/2/14 00:00:00	92.5%	91%	99.5%	98%
6/2/14 00:00:00	6/9/14 00:00:00	90%	91%	99.6%	99.6%
6/9/14 00:00:00	6/16/14 00:00:00	97.7%	95%	99.3%	96.7%
6/16/14 00:00:00	6/23/14 00:00:00	98.8%	98.7%	99.8%	99.3%
6/23/14 00:00:00	6/30/14 00:00:00	97%	96%	99.9%	99.9%
<b>6/30/14 00:00:00</b>	<b>7/07/14 00:00:00</b>	<b>96%</b>	<b>97%</b>	<b>98.8%</b>	<b>98.9%</b>

Data Quality has been re-run and a few numbers have improved



## ND POT fraction and Live Time Fraction





## FD POT Fraction and Live Time Fraction

