



DØ Operations Status

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All Experimenters' Meeting
13 June 2011



Weekly Summary



	Delivered	Recorded	Efficiency	Comment
	Lum (pb-1)	Lum (pb-1)	(%)	
06 Jun	9.97	9.21	92	7 minutes due to muon PDT HV trips
07 Jun	12.37	9.45	76	29 minutes down due to muon PDT HV trips 4 hours down due to high humidity
08 Jun	6.72	5.72	85	SMT bias scans Opportunistic Access Numerous short interruptions due to muon HV
09 Jun	1.48	1.33	90	Opportunistic Access
10 Jun	7.94	6.98	88	13 minutes down due to calorimeter trips SMT HV heat exchanger leak Forward muon special runs
11 Jun	10.95	10.25	94	
12 Jun	10.56	9.79	93	8 minutes DAQ downtime
06 Jun - 12 Jun	60.0	52.7	88	



A Few Details



- Monday 6 June (92%)
 - 7 minutes down due to muon PDT HV trips
- Tuesday 7 June (76%)
 - 9 minutes down due to muon PDT readout
 - 23 minutes down due to muon PDT HV trips
 - 4 hours downtime due to chiller trip
 - Dewpoint in collision hall rises to uncomfortable levels
 - Numerous muon PDT HV trips
 - Calorimeter readout confused by muon HV trips
 - Fiber tracker readout power supplies trip off
 - Drip detector shuts down a calorimeter readout rack
 - Drip detector shuts down the Central Track Trigger
 - Most systems recovered, but many muon PDTs at reduced HV
 - Perform SMT bias scans



A Few Details (continued)

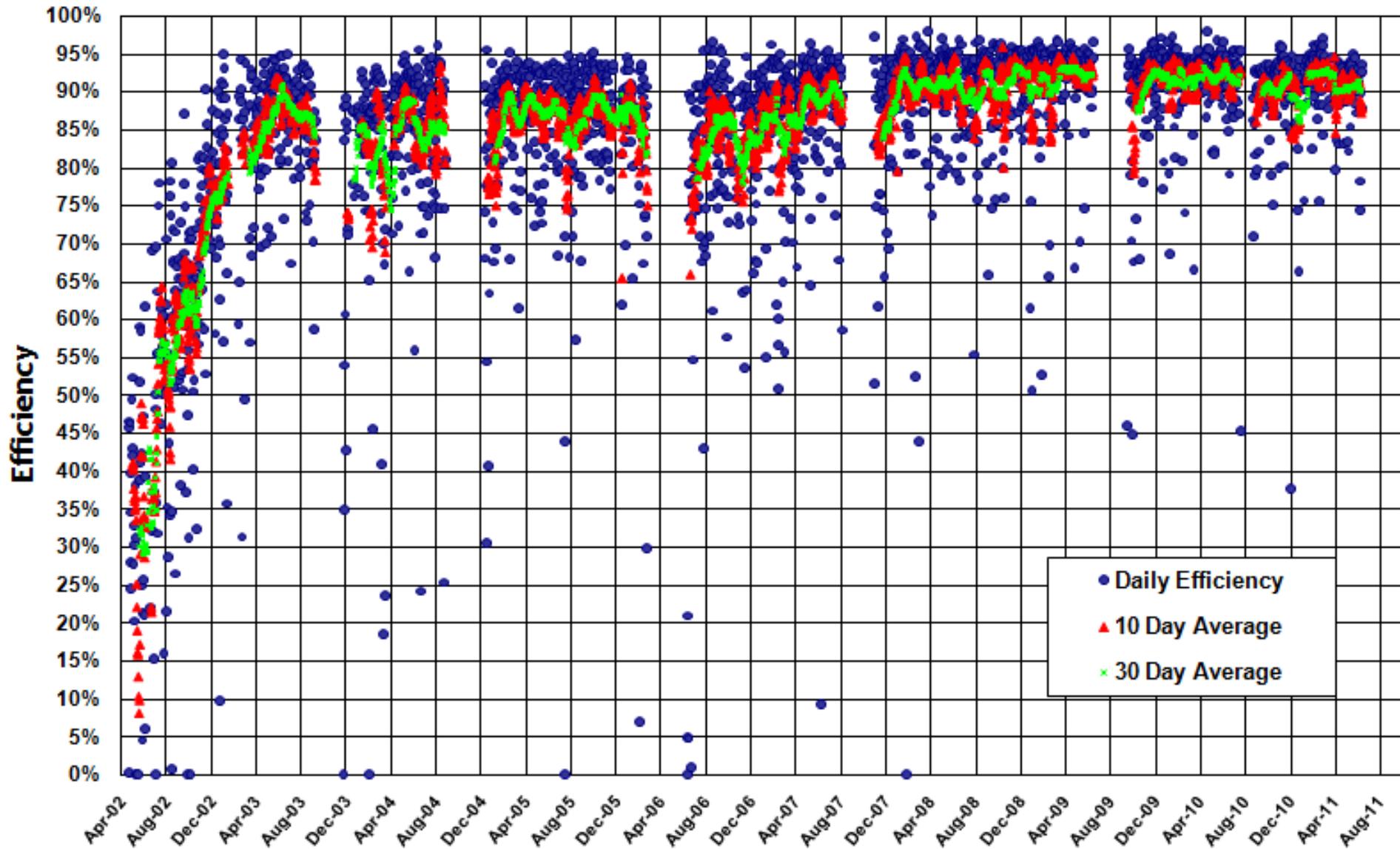


- **Wednesday 8 June (85%)**
 - Muon MDT NCWB readout complications
 - Opportunistic Access
 - Investigate muon MDT NCWB
 - Muon PDT HV efforts (isolation of high current PDTs, cleaning, dry air purges)
 - Calorimeter and fiber tracker maintenance
 - Numerous muon PDT HV trips resulting in 42 minutes of downtime
- **Thursday 9 June (90%)**
 - Cosmics
 - Opportunistic Access
 - Continue work on muon PDT HV
- **Friday 10 June (88%)**
 - 13 minutes down due to calorimeter trips
 - SMT HV trips due to detection of water leak
 - Swap heat exchanger in SMT HV rack between stores
 - Forward muon special runs
- **Saturday 11 June (94%)**
- **Sunday 12 June (93%)**



Daily Data Taking Efficiency

April 2002 - 12 June 2011





Run II Integrated Luminosity

19 April 2002 - 12 June 2011

