



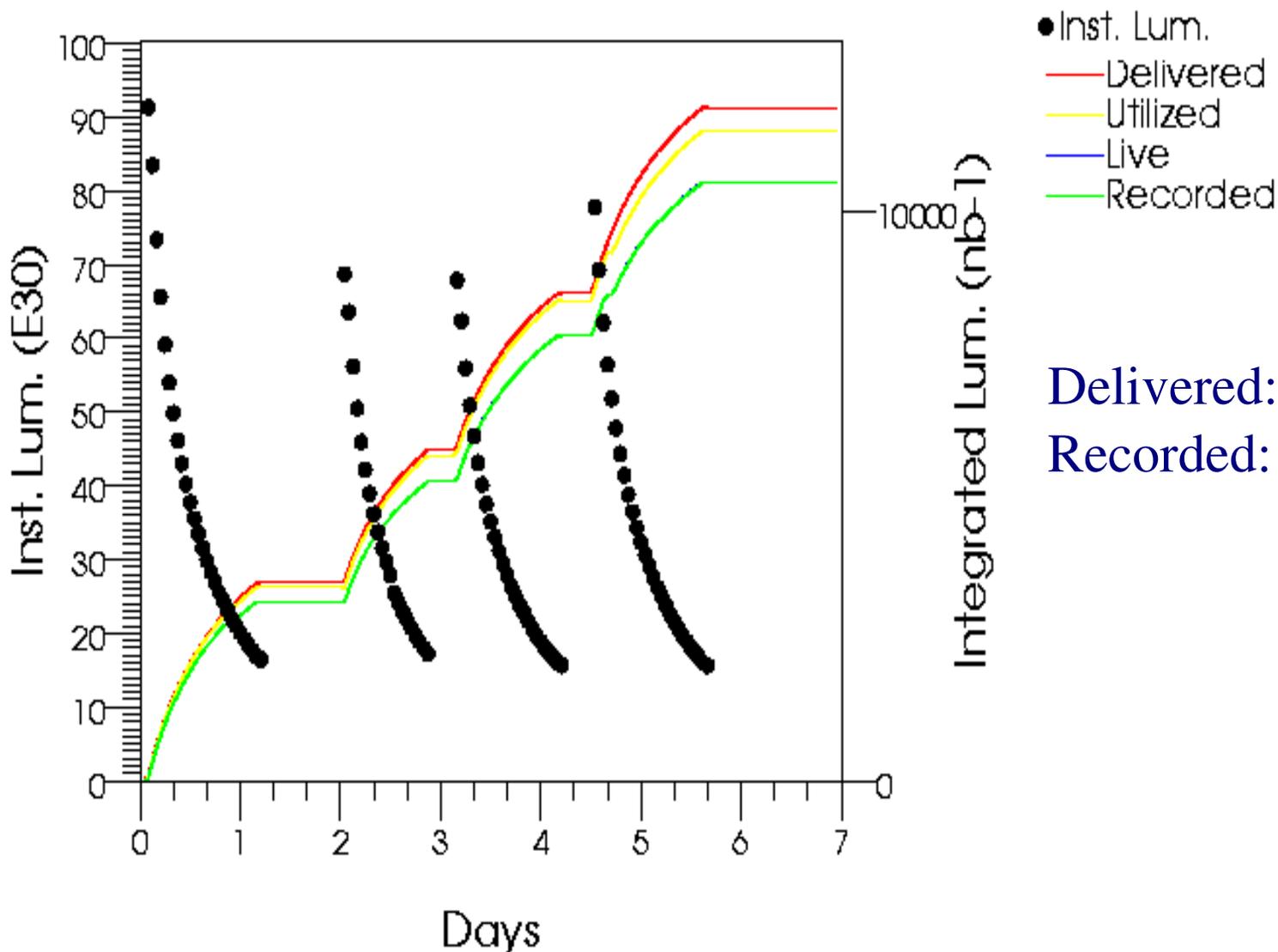
D0 Status Report

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FSU

All Experimenters' Meeting
11 July 2005



Data Taking 27 June – 3 July



Delivered: 11.8 pb^{-1}
Recorded: 10.5 pb^{-1} (90%)



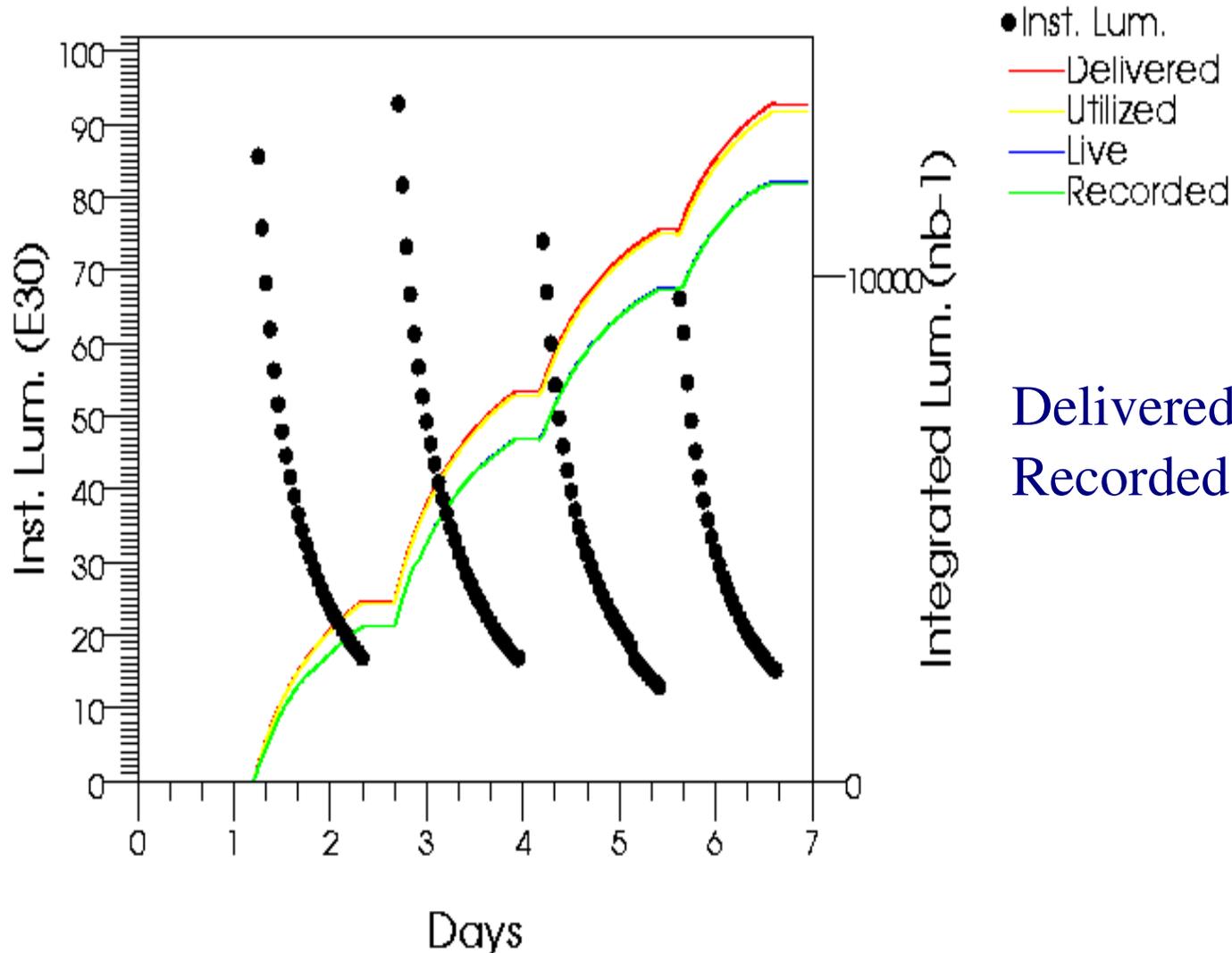
Daily Data Taking

Day Recorded Efficiency Comment
Lum (nb^{-1})

27 June	2838	90	
28 June	296	89	Two controlled accesses, muon, cal, FPD
29 June	2117	91	Controlled access to fix Cal hot tower
30 June	2258	93	
1 July	1814	80	1.5 hour downtime due to Cal ADC PS
2 July	1187	90	
3 July	0	-	Access to Tev tunnel for FPD trip investigation



Data Taking 4-10 July



Delivered: 13.4 pb^{-1}
Recorded: 11.8 pb^{-1} (88%)



Daily Data Taking (Week 2)

Day Recorded Efficiency Comment
Lum (pb^{-1})

Day	Recorded Efficiency Lum (pb^{-1})	Efficiency (%)	Comment
4 July	0	-	
5 July	2.44	84	CTT sector died, 3 MDT HV trips, readout problems.
6 July	2.09	88	Access to fix CTT, PDT HV trip.
7 July	2.21	92	Access to disconnect MDT plane, work on CTT.
8 July	2.36	93	
9 July	1.71	87	Readout crate problems at start of store.
10 July	1.02	85	MDT trip, PDT trips, readout crate problems



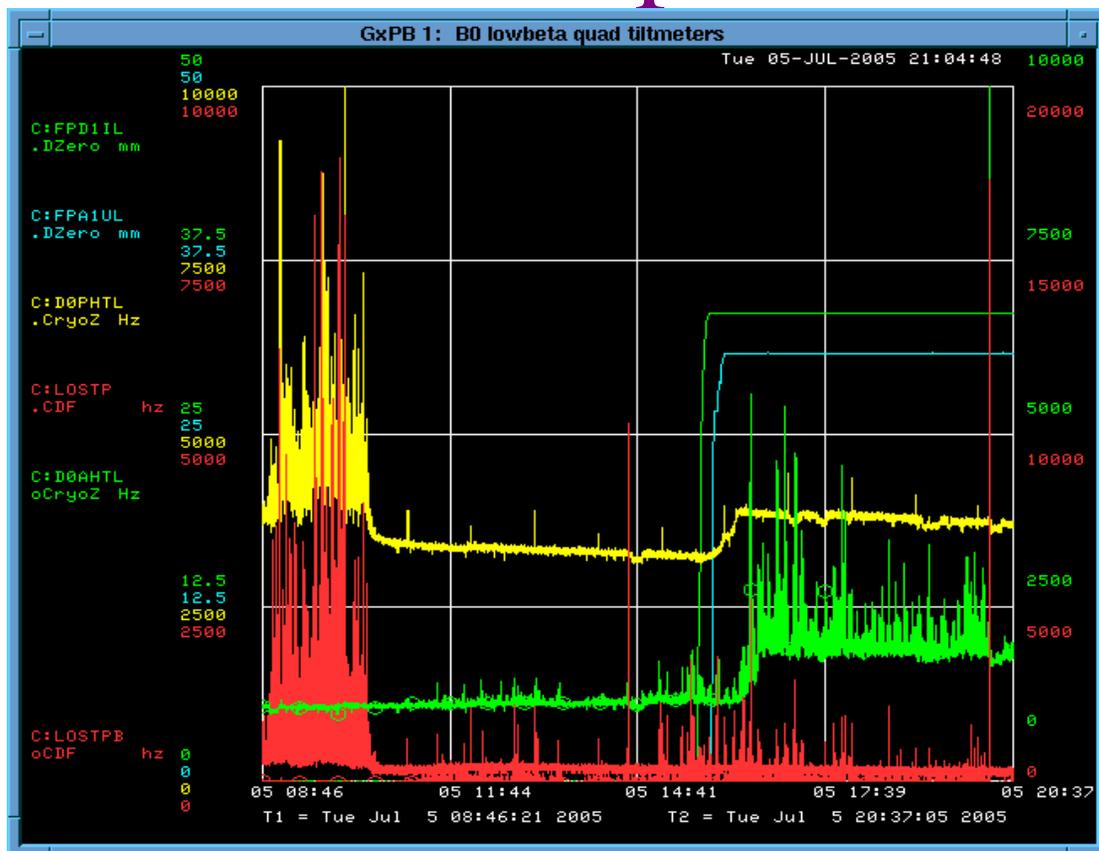
Accesses

- 28 June
 - Repair two central muon scintillator octants
 - FPD tunnel access to reset circuit breaker.
- 3 July
 - Access tunnel to investigate FPD power issues
- 6 July
 - Access to fix CTT sector 79
- 7 July
 - Access to disconnect MDT plane due to broken wire.
 - This incident appears to be unrelated to trips due to beam halo.
 - Access to fix CTT sector 79
 - fixed today (11 July)



Losses and HV Trips

- 25 June – MDT trip
- 5 July – 3 trips
 - MDT alone
 - MDT and PDT
 - FPD, MDT and PDT
- 10 July – MDT trip



- Currently, these losses (and HV trips) are thought to be due to quad movements, possibly related to CDF Hall temperature.
- These overcurrents in the MDT wires can cause them to break. D0 may have to reduce the MDT HV during these periods of instability in order to protect the MDTs.