



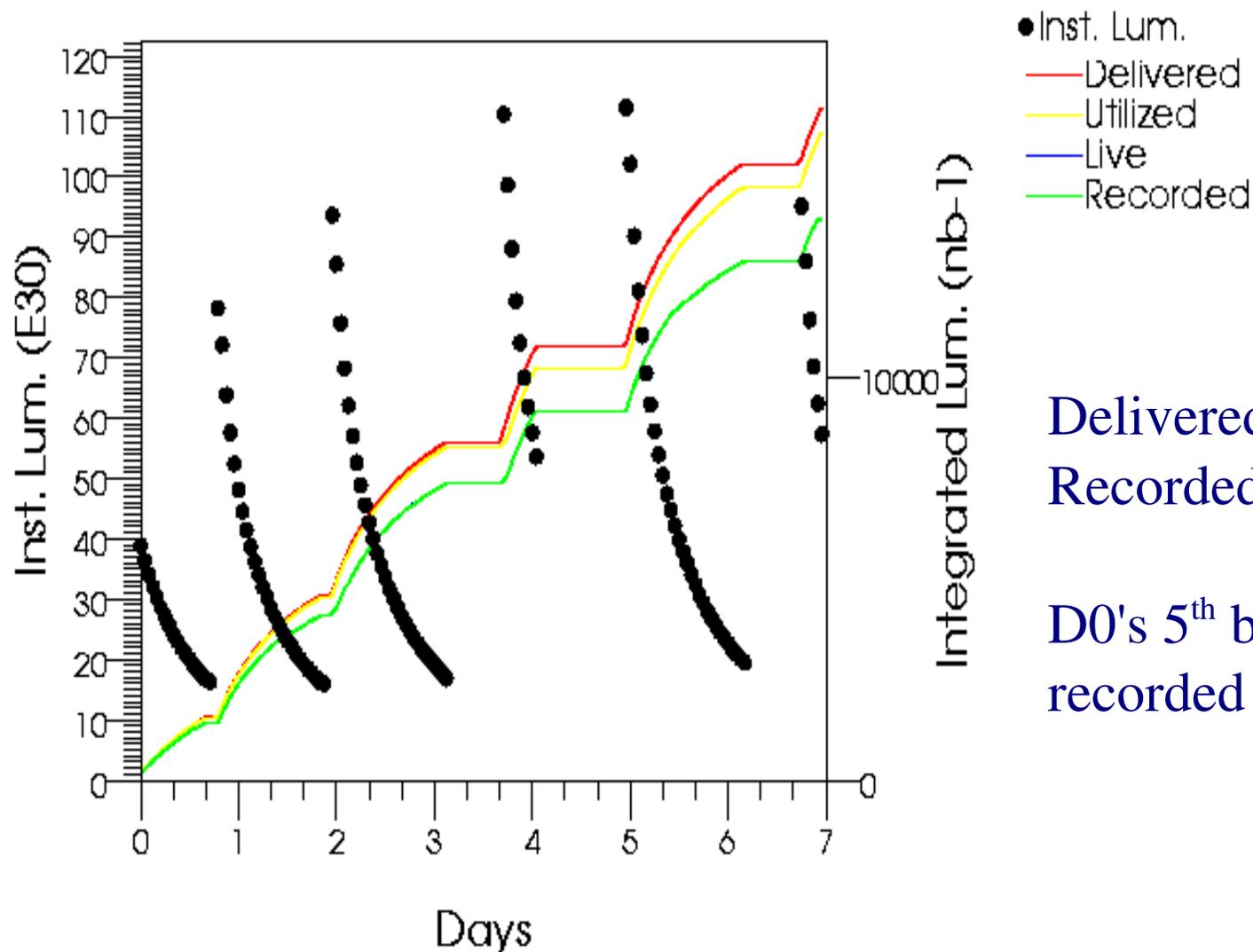
D0 Status Report

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FSU

All Experimenters' Meeting
23 May 2005



Data Taking 9-15 May



Delivered: 16.7 pb^{-1}
Recorded: 14.2 pb^{-1} (85%)

D0's 5th best week for recorded Luminosity



Daily Data Taking

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

Day	Recorded Lum (nb^{-1})	Efficiency	Comment
9 May	2223	90	
10 May	1928	88	
11 May	2974	86	8 th best day recorded Luminosity Lost Cal BLS LV power supply
12 May	1945	87	Access to repair PS and Fringe B field measurement.
13 May	334	73	Access to repair water leak
14 May	3430	83	2 nd best day recorded Luminosity
15 May	1363	78	Problems with CTT/Muon triggers

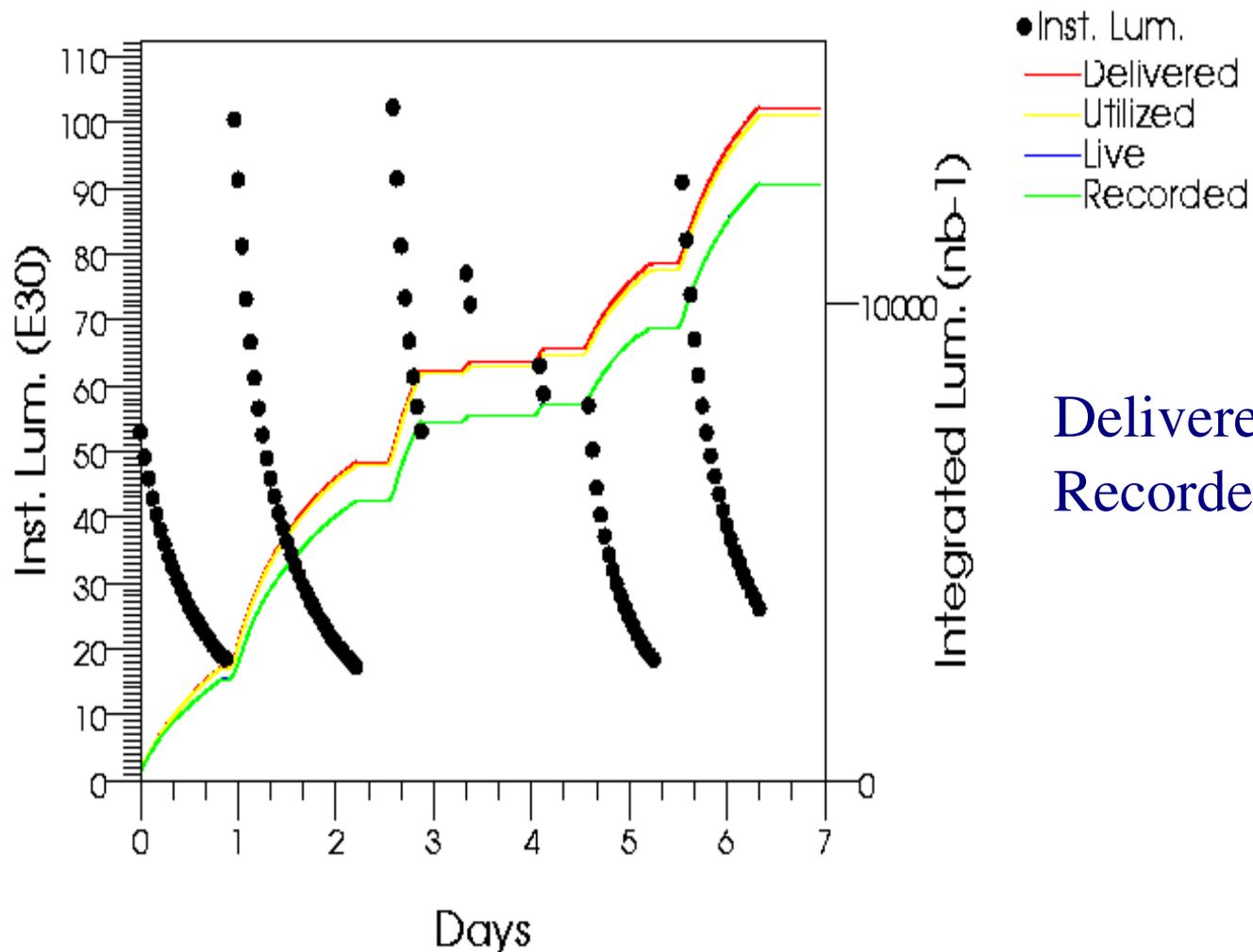


Fringe Field Measurement

- In order to prepare for solenoid on accesses, a fringe field survey was done of the hall.
 - Fringe field map team members are: G. Ginther, R. P. Smith, D. Baird (field mapper), E. McHugh, and J.T. Anderson.
 - “In areas where a person can fit, the maximum whole-body field was always less than 10 gauss. In areas where a person cannot fit but perhaps may reach with a single hand, fields up to 37 or 38 gauss were found. In no place were any fields anywhere near action levels (300G head/torso, 3000G extremities) detected.”
- On 12 May D0 was approved to make solenoid on controlled accesses.
 - Our thanks go out to all of the RSO's, SSO's and others who took the time to read, comment, and finally approve the new documents.



Data Taking 16-22 May



Delivered: 14.1 pb^{-1}
Recorded: 12.5 pb^{-1} (89%)



Daily Data Taking

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

16 May	2211	88	PDT Power supply problems
17 May	3258	87	4 th best day recorded Luminosity PDT has to be disabled
18 May	2049	87	Access to repair PDT and CTT
19 May	142	80	Access to fix BLS Power Supply
20 May	1421	91	
21 May	2484	91	Access to fix BLS Power Supply
22 May	937	92	



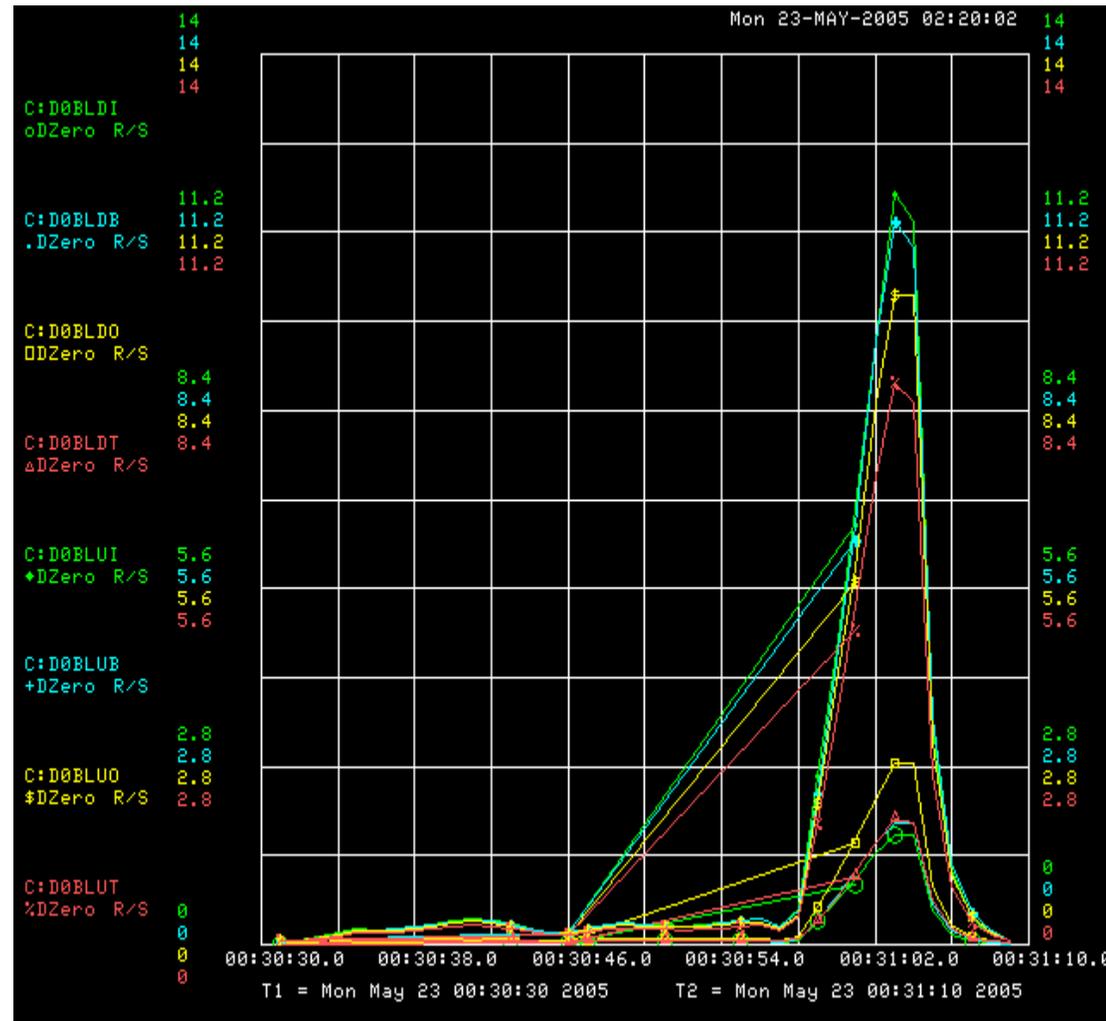
Significant Events

- Problems with power supplies
 - Muon PDT power supply failed. This was the first time in Run II.
 - A second supply began showing problems and was also replaced.
 - Calorimeter BLS Power Supplies
 - Had very few failures this year until last week.
 - Made four accesses to work on these supplies.
- CTT DFEA Board replaced
 - Would fail and need to be reset.



D0 Silicon

- D0 aborted this morning's store.
 - The instantaneous dose went above 12.7 R/s. The total dose was about 65 Rad.
 - A tune shift at low beta steered the beam to our silicon.
 - The D0 BLMs aborted the beam prior to receiving a large dose.





Summary

- D0 had a slightly lower than average data taking efficiency the past two weeks.
 - Many unique problems and bad power supplies conspired against us.
- D0 can now make controlled accesses with our solenoid powered
 - Our thanks go out to everyone who made this possible.
- D0 BLMs aborted the store this morning.
 - The dose to the silicon was not too large, but we are interested in this not happening again.