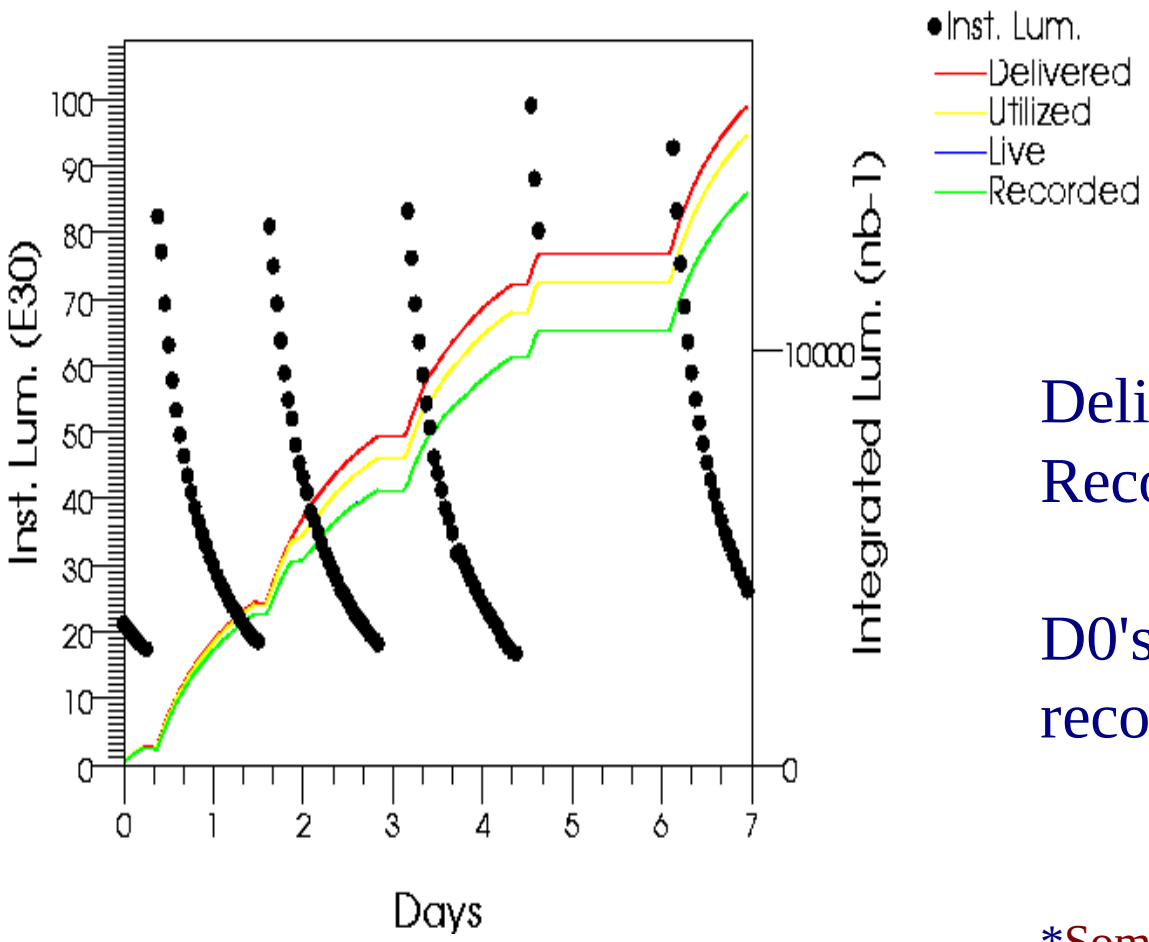
D0 Status Report

Bill Lee
FSU

All Experimenters' Meeting
21 March 2005

Data Taking 21-27 Mar.



Delivered: 15.9 pb^{-1}
Recorded: 13.8 pb^{-1} (87%)

D0's 2nd best week for recorded Luminosity*

*Some portions of D0 detector not read out for 2/3 of store 4044.

Daily Data Taking

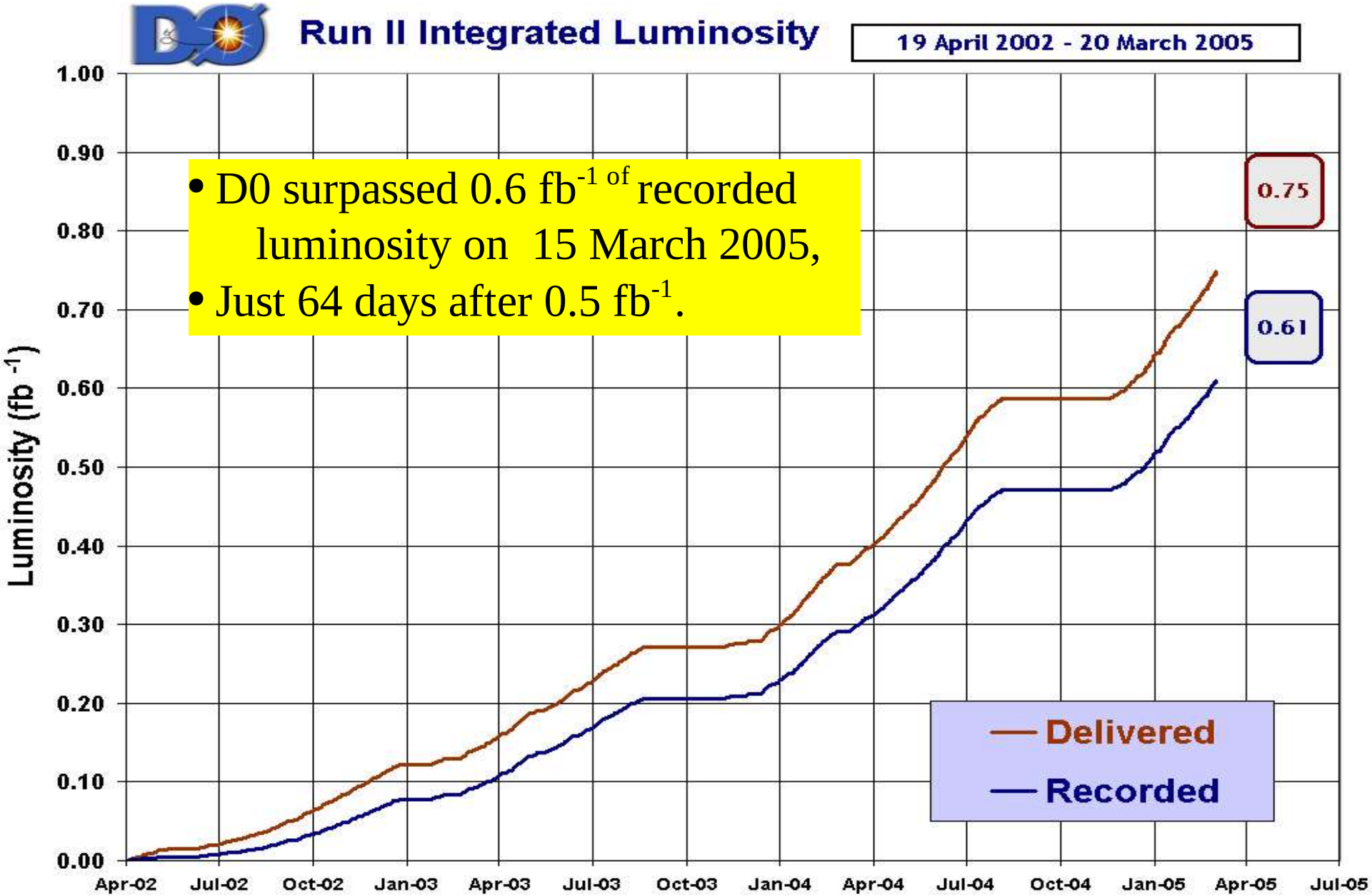
Day	Recorded Lum (nb^{-1})	Efficiency	Comment
14 Mar	2672	92.2	7th best day recorded Luminosity
15 Mar	2248	77.0	CFT LVPS Trip
16 Mar	1715	81.1	
17 Mar	2597	86.5	10th best day recorded Luminosity Luminosity Correction goes online
18 Mar	1249	89.8	
19 Mar	0	0.0	
20 Mar	3345	92.7	1st best day recorded Luminosity

More on Data Taking

- Store 4044
  - One third of the way into the store, a Fiber Tracker LVPS tripped.
    - This disabled 8 AFE boards (10%) which caused us to have to disable 40% of the trigger.
  - A majority of the rest of the store was spent on calorimeter calibration.
- After Luminosity change on Thursday,
  - Record initial Luminosities
    - Store 4048 – 10.60 E31
    - Store 4052 – 9.86 E31
    - Store 4053 – 10.92 E31

Still would have been records.

D0 Integrated Luminosity



- D0 surpassed 0.6 fb^{-1} of recorded luminosity on 15 March 2005,
- Just 64 days after 0.5 fb^{-1}.

Summary

- D0 has put the updated luminosity deadtime corrections online.
- We look forward to 0.7 fb^{-1} in two months.
- Plan
  - Continue to look at beam losses during the squeeze.
  - Continue to record data as efficiently as possible.