



# D0 Status Report

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FNAL

All Experimenters' Meeting  
4 January 2010



# Data Taking

| date         | Delivered Lum ( $\text{pb}^{-1}$ ) | Recorded Lum ( $\text{pb}^{-1}$ ) | Efficiency (%) | Comment  |
|--------------|------------------------------------|-----------------------------------|----------------|--|
| 21 Dec Mon   | 8.85                               | 7.35                              | 83             | DAQ cluster fails - 2 hrs lost                           |
| 22 Dec Tue   | 10.10                              | 9.57                              | 95             |  |
| 23 Dec Wed   | 9.13                               | 8.39                              | 92             |  |
| 24 Dec Thu   | 9.08                               | 8.45                              | 93             |  |
| 25 Dec Fri   | 11.61                              | 10.70                             | 92             |  |
| 26 Dec Sat   | 9.53                               | 9.02                              | 95             |  |
| 27 Dec Sun   | 8.94                               | 8.43                              | 94             |  |
| weekly total | 67.2                               | 61.9                              | 92             | 4th best week for both delivered and recorded luminosity |



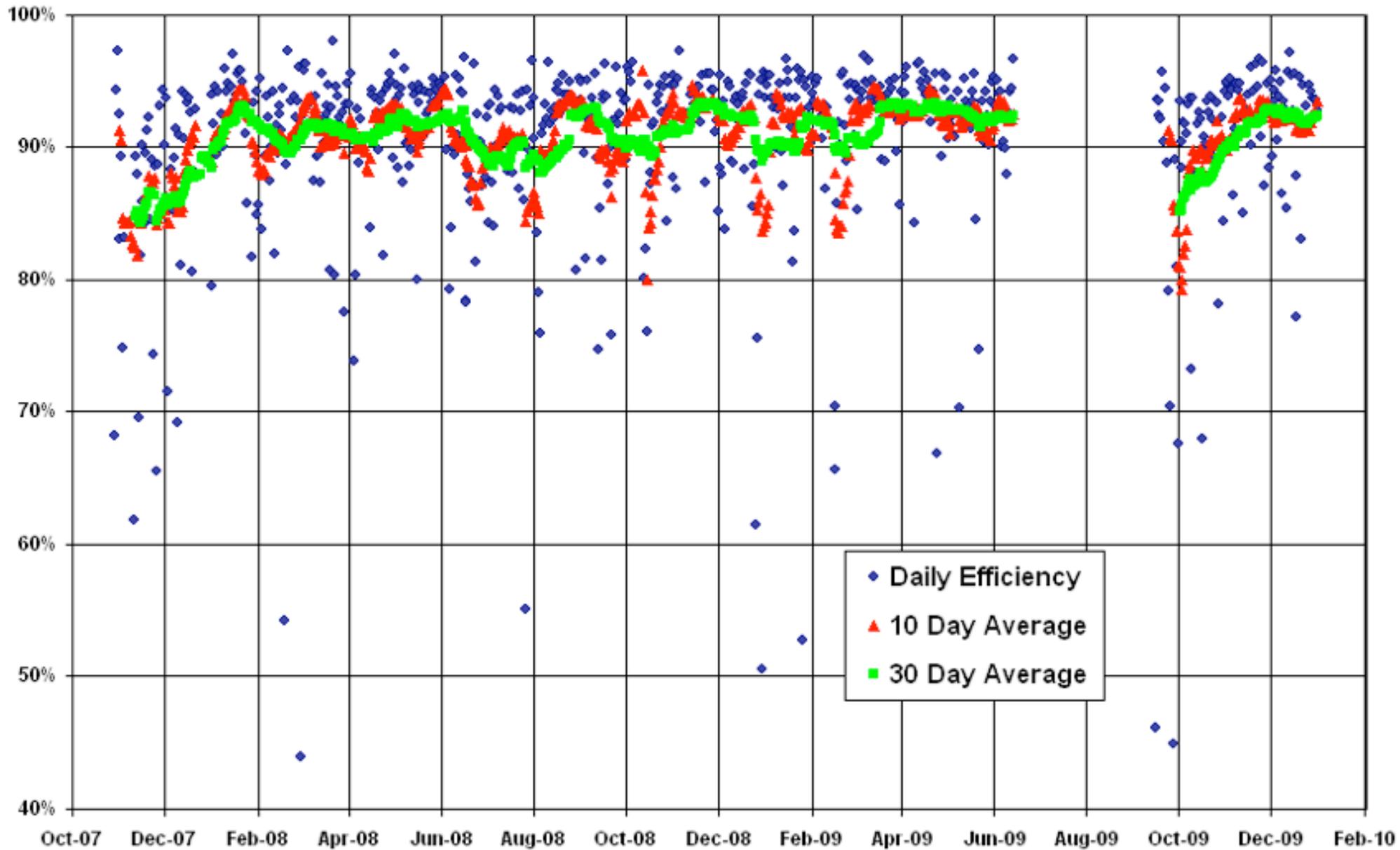
# Data Taking

| date         | Delivered Lum (pb <sup>-1</sup> ) | Recorded Lum (pb <sup>-1</sup> ) | Efficiency (%) | Comment  |
|--------------|-----------------------------------|----------------------------------|----------------|--|
| 28 Dec Mon   | 10.42                             | 9.76                             | 94             | beam spot moved in x from 480 $\mu\text{m}$ to 180 $\mu\text{m}$   |
| 29 Dec Tue   | 9.73                              | 9.11                             | 94             |  |
| 30 Dec Wed   | 8.39                              | 7.85                             | 94             | opportunistic access to recover forward muon MDT (PS replaced), central muon PDTs, and replace calorimeter SCA cards   |
| 31 Dec Thu   | 4.53                              | 4.20                             | 93             |  |
| 1 Jan Fri    | 8.40                              | 7.77                             | 93             |  |
| 2 Jan Sat    | 11.60                             | 10.50                            | 91             | water leak in SMT HV rack: lost last 20 min of store 7469 and 10 min at begin of store 7470 - heat exchanger exchanged |
| 3 Jan Sun    | 1.08                              | 1.03                             | 95             |  |
| weekly total | 54.2                              | 50.2                             | 93             |  |
| Dec 2009     | 230                               | 212                              | 92             | 4th best month in both delivered and recorded luminosity   |



# Daily Data Taking Efficiency

1 October 2007 - 3 January 2010



4 January 2010

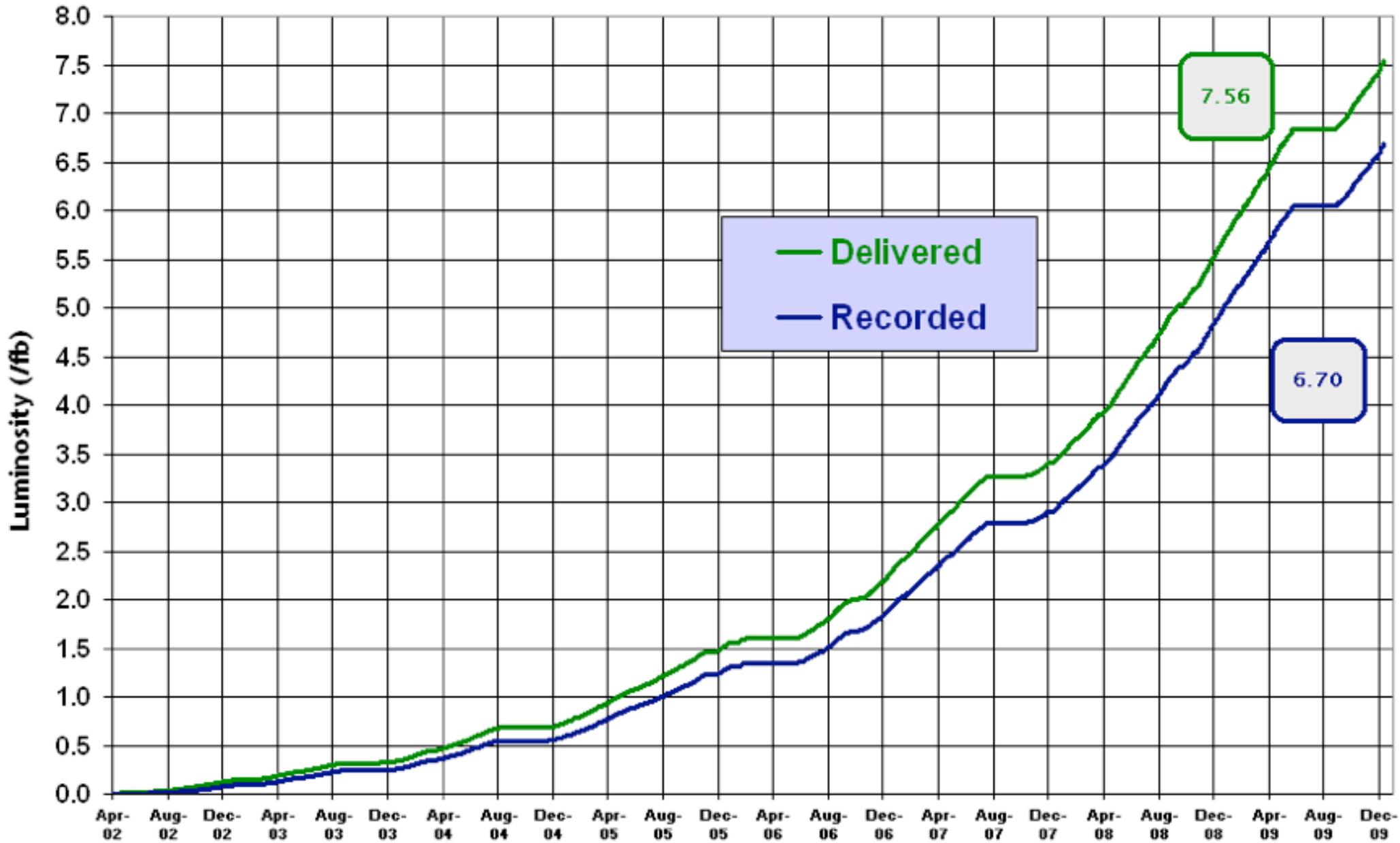
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# Run II Integrated Luminosity

19 April 2002 - 3 January 2010



4 January 2010

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