



D0 Status Report

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All Experimenters' Meeting
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Store Summary I

- Store 4052, Sun Mar 20 03:06 - Mon Mar 21 07:57
 - D0 Initial Luminosity = $97.66E30$
 - Recorded Luminosity 3.93 pb^{-1} , efficiency 93%
- Store 4053, Mon Mar 21 10:26 - Mon Mar 21 21:46
 - D0 Initial Luminosity = $109.17E30$ (Best Ever)
 - Recorded Luminosity 2.36 pb^{-1} , efficiency 90%
- Store 4056, Tue Mar 22 04:54 - Wed Mar 23 09:00
 - D0 Initial Luminosity = $73.94E30$
 - Recorded Luminosity 2.95 pb^{-1} , efficiency 91%



Store Summary II

- Store 4057, Wed Mar 23 12:49 - Thu Mar 24 11:59
 - D0 Initial Luminosity = $72.96E30$
 - Recorded Luminosity 2.75 pb^{-1} , efficiency 94%
- Store 4058, Thu Mar 24 14:25 - Fri Mar 25 13:37
 - D0 Initial Luminosity = $75.20E30$
 - Recorded Luminosity 2.71 pb^{-1} , efficiency 90%
- Store 4059, Fri Mar 25 15:44 - Sat Mar 26 17:00
 - D0 Initial Luminosity = $86.94E30$
 - Recorded Luminosity 3.12 pb^{-1} , efficiency 90%
 - Includes a one hour special run for a high luminosity trigger rate study.
 - Rediscovered 800 Hz limit into L3 due to ethernet bandwidth.



Store Summary III

- Store 4060, Sat Mar 26 20:01 - Sun Mar 27 20:00
 - D0 Initial Luminosity = $68.13E30$
 - Recorded Luminosity 2.41 pb^{-1} , efficiency 86%
 - A low voltage power supply for the L1 CAL system had problems at the beginning of the store. After 40 minutes of downtime, the supply began providing the correct voltage and lasted throughout the rest of the store.
 - 30+ minutes due to a readout crate hang.
 - 10 minutes due to a CAL pulser power supply died. Will replace on next access.
- After the store, the supply was replaced. When L1 CAL was brought back up, another supply had died. This was also replaced, but it did delay the next store by about an hour.



Summary

- Record week for DØ
 - Recorded 16.9 pb^{-1} for Monday to Sunday.
 - Previous record was 14.6 pb^{-1} in January.
 - 90% efficient for the week.
- March will be a record month as well.
 - July 2004, we recorded 46.4 pb^{-1} which was surpassed Saturday on the owl shift.
- Plan to continue to record data as efficiently as possible.