

# CDF/D0/AD Luminosity Task Force meeting

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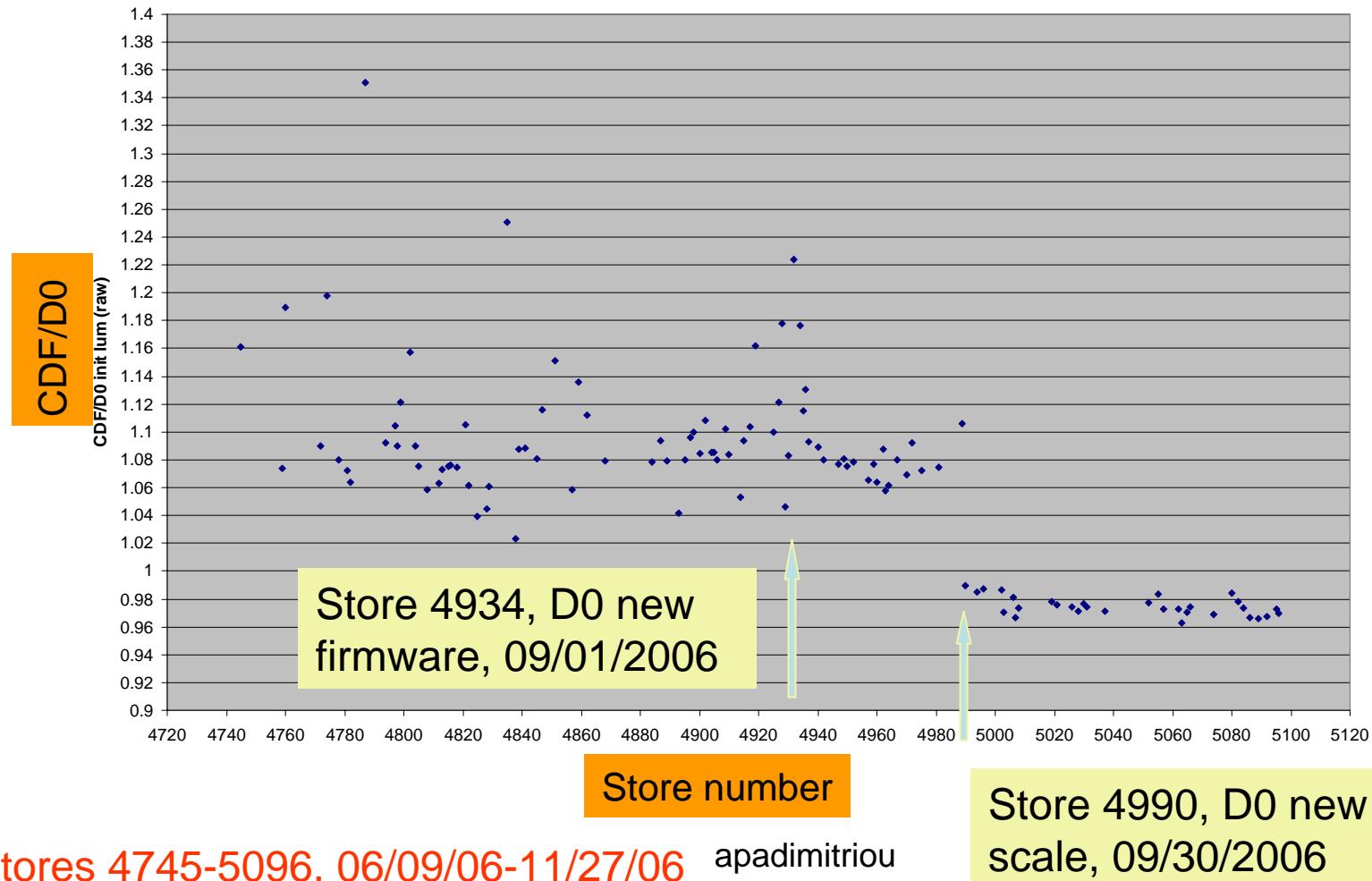
Updated recent history on CDF/D0  
luminosity ratio

November 29, 2006

# CDF/D0 init. lum vs store number after the shutdown

Online (raw info)

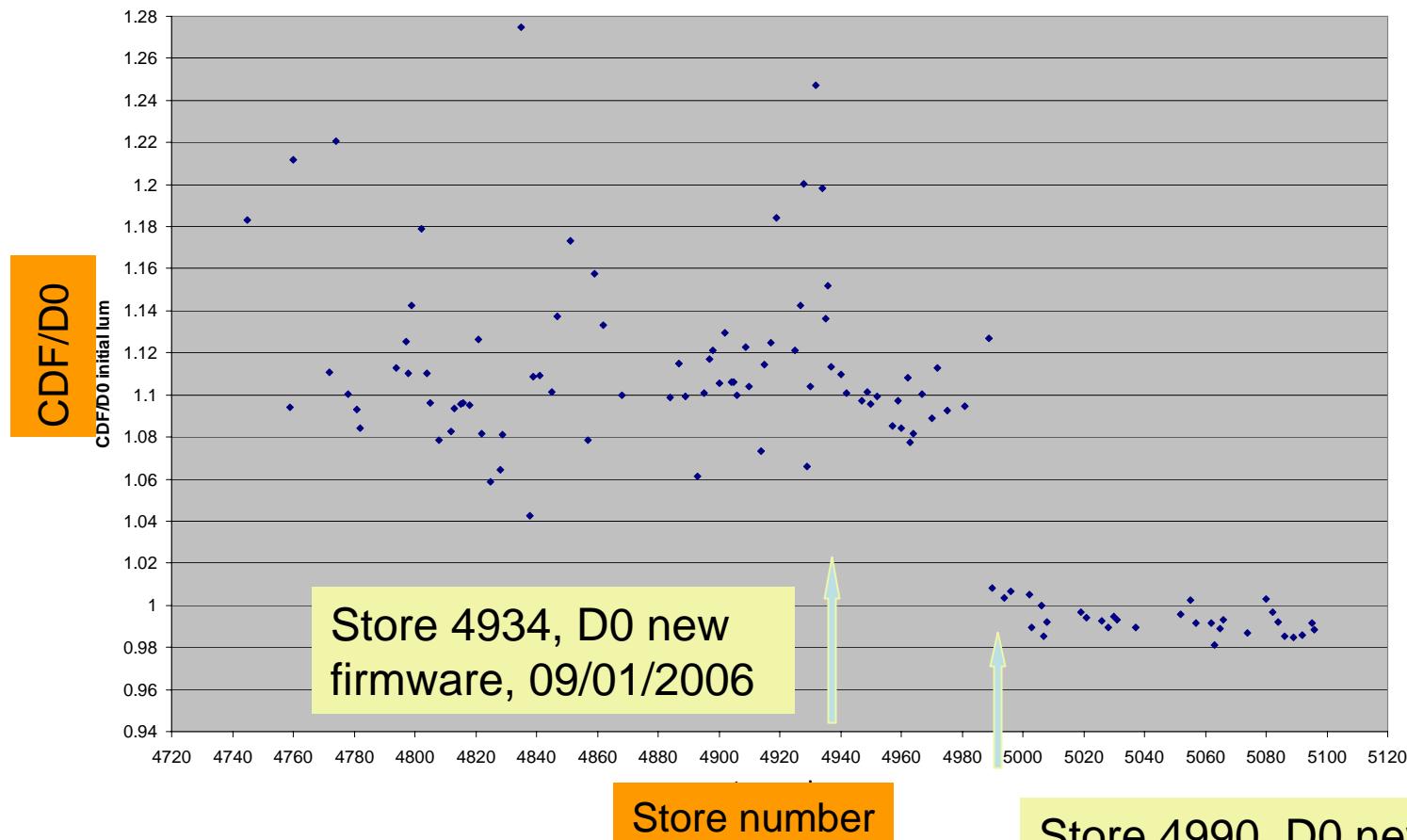
CDF/D0 init lum (raw) vs store number



# CDF/D0 init. lum vs store number after the shutdown

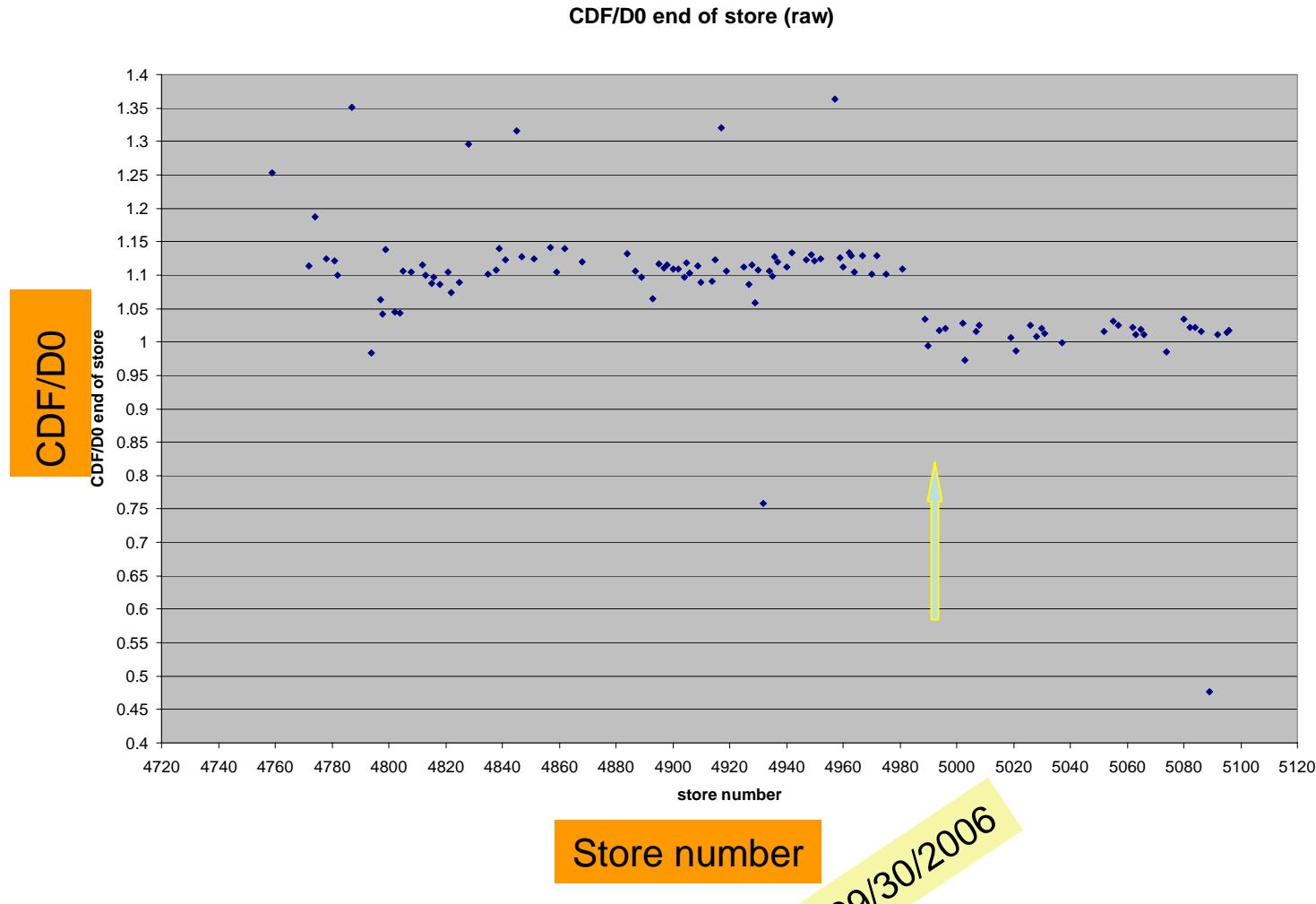
CDF\*1.019/D0 init vs store number

CDF multiplied  
by 1.019



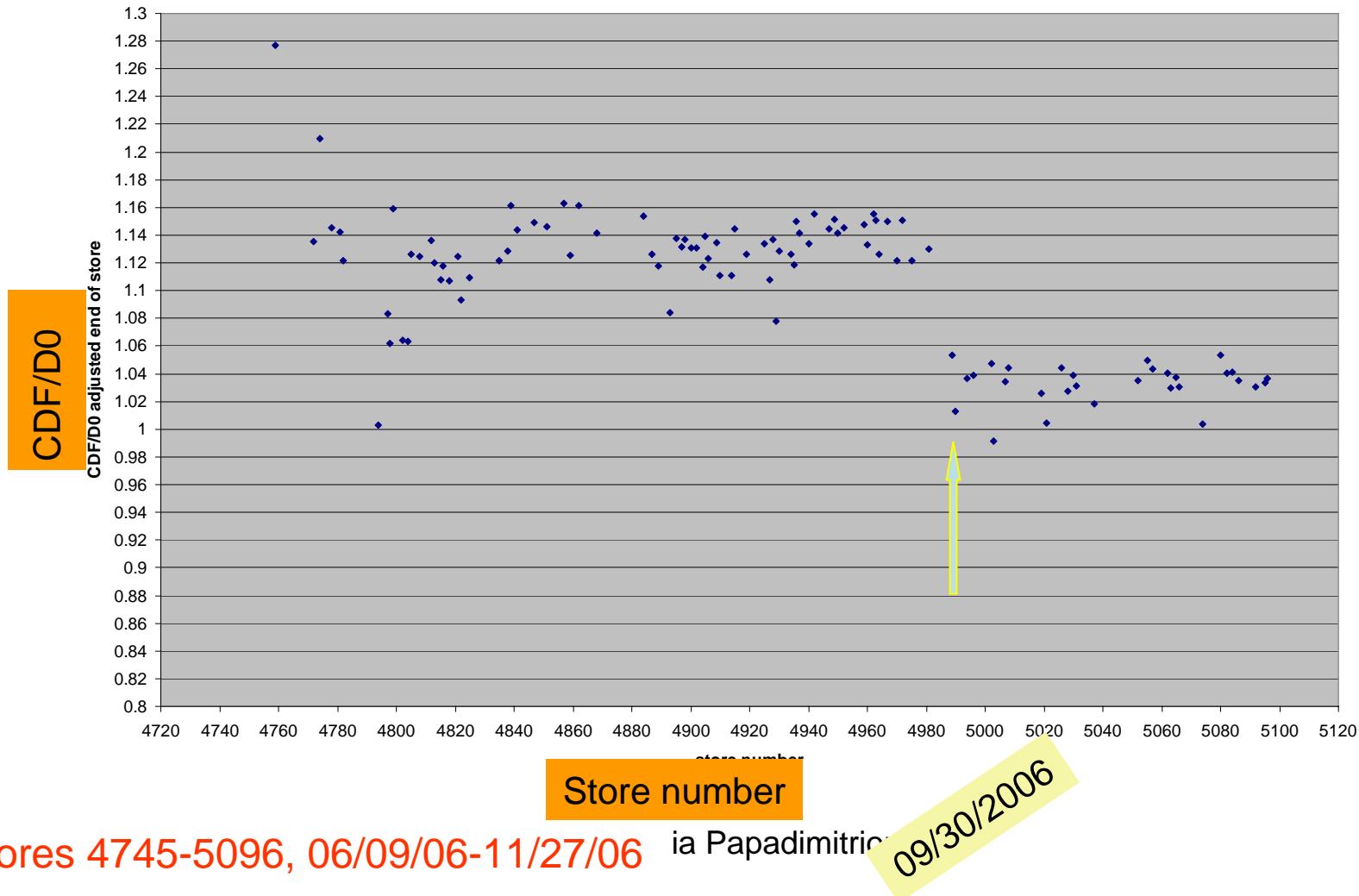
Stores 4745-5096, 06/09/06-11/27/06 apadimitriou

# CDF/D0 end of store lum vs store number after the shutdown (raw)



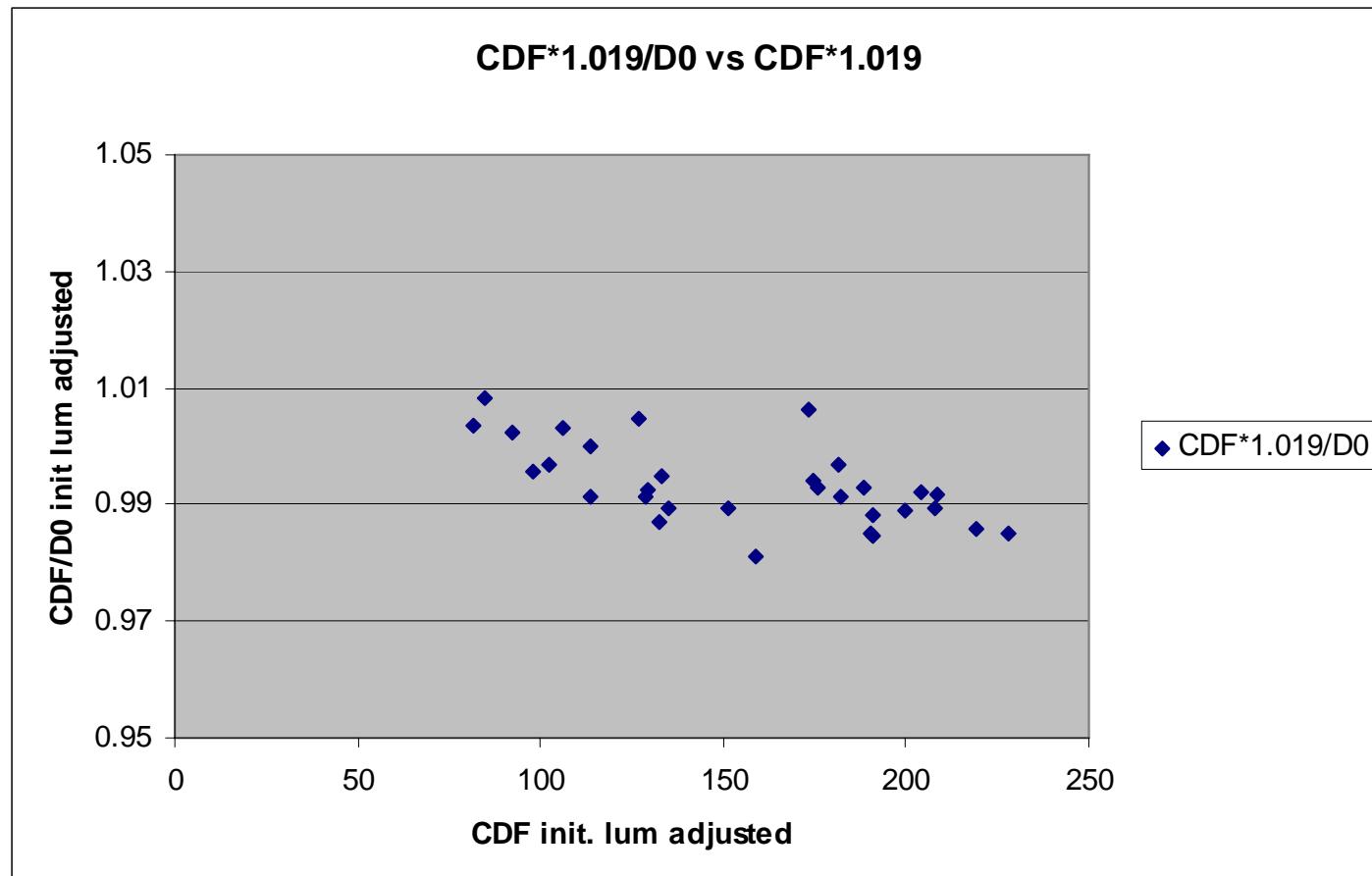
# CDF/D0 end of store lum vs store number after the shutdown (adjusted)

CDF/D0 adjusted end of store vs store number



# CDF/D0 init. lum vs CDF init. lum after D0 scale adjustment in 09/30/2006

CDF/D0



CDF init. Lum (1E30)

# Conclusion

- ❖ The CDF/D0 **initial** luminosity ratio stabilizes at values of about **0.99** since Sept. 30, 2006, after the D0 luminosity scale adjustment by about 1.12 and after multiplying the CDF scale by 1.019; the CDF correction is being applied offline. The ratio of **end** of store luminosities is about **1.04**.
- ❖ As we get higher luminosities with these new scales, we will watch the behaviour of the ratio as a function of luminosity