

Operations Summary

R. Dixon

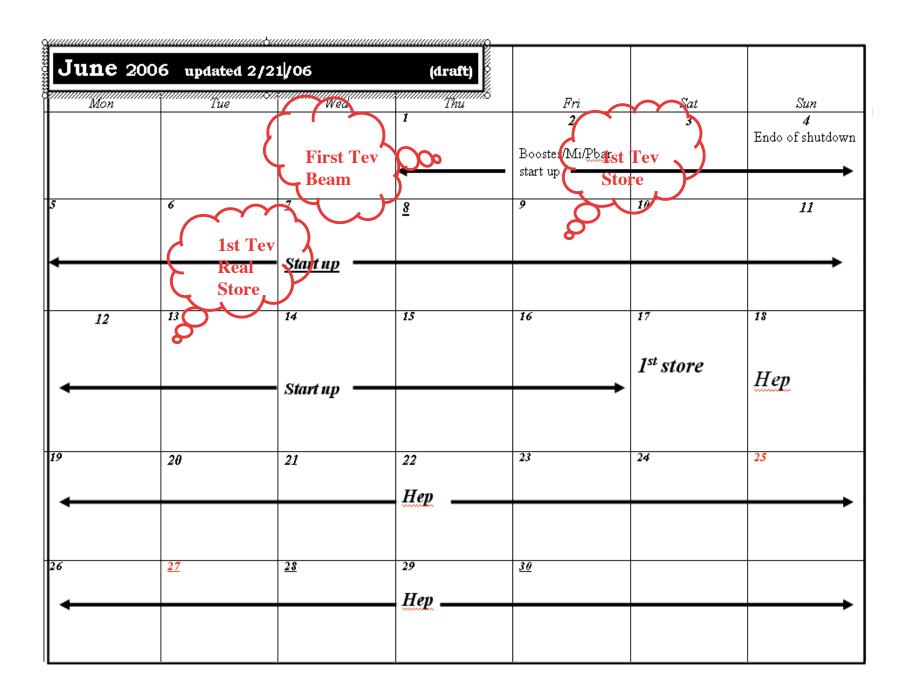


Outline

- Summarize Major Shutdown Changes
- Commissioning History
- Status overall
- Status by Subsystem
- Plan

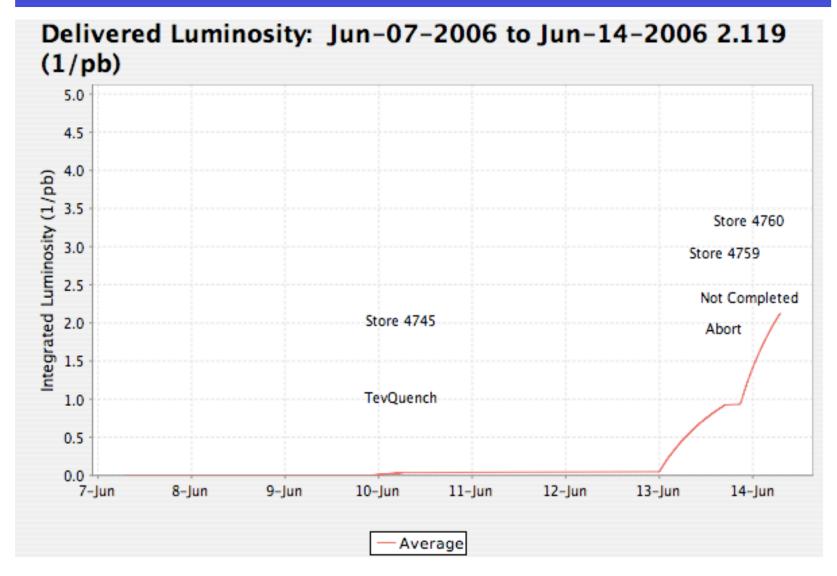
May	2006 updated 3/18	3/06	(Draft)			
Mon	Tue	Wed	Thu	Fri	Sat	Sun
May 1	2	3 NTF	4 NTF	5	6	7 -
	See weekly					
	schedules					\sim
	for				\mathbf{R}	ooster
	information				l (*\
8 NTF	9	10 NTF	11 NTF	12	13	eam ₁₄
					\ \ \ \ \ \ \ \ \ \	
		\sim				
)				
		eV in				
	Boo		10.77	10-	~	
15 NTF	16	17 NTF	18 NTF	Tev C	20 ō d	21
(MI B	Seam 18			l rev c	old A	
7	$\mid \gamma \mid$					
22 NTF	23	24 NTF	25 NTF	16	27	28
					Pbar Bean	i)
7	100°		Tev Cold)
(lal holiday)	cyclerae	31 NTF	***************************************	2		1
, пап попиаху Pr	otons	31 1/11	June 1		3	END OF
						Shutdown

Run II PMG 6-15-06 - R. Dixon

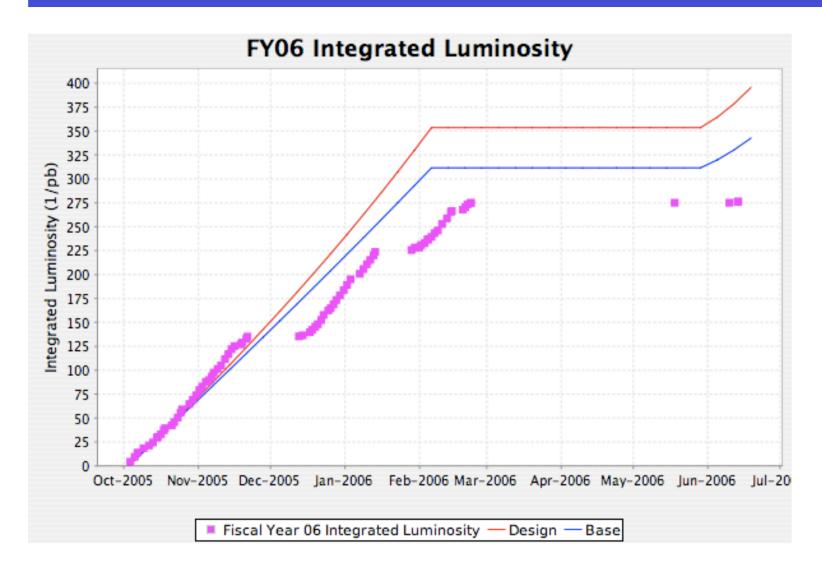


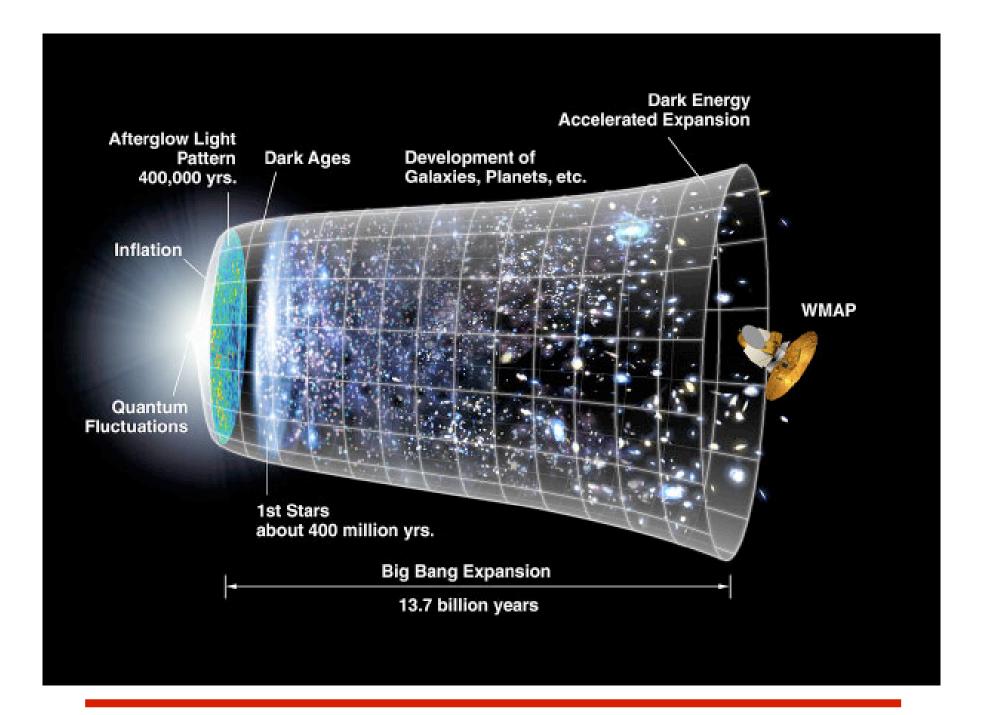


Store Summary











Accelerator Controls

Linux Migration

- > New Controls system running in parallel
- > Applications being certified
- > Startup with many ported applications
 - This has caused some issues as expected



Proton Source

Linac

- > Ran for most of the shutdown
 - Moved Quad and installed valve
 - Collimator work

Booster

- > Major Changes
 - New Injection Girder
 - 8 GeV dump relocation
 - Removed L13 extraction area

> Issues

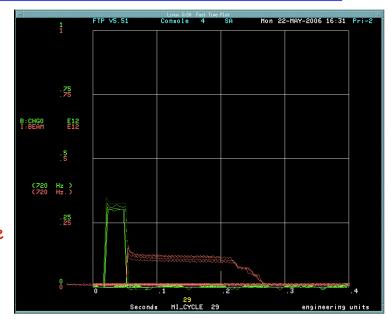
- · Re-establish orbits
- Putting in Collimation



Main Injector/Recycler

Main Injector

- > Major Modifications
 - · Seven new wide aperture guads
 - Instrumentation
 - MI-10 Kicker modification for better cooling
- > Issues
 - Getting the new quads in the right place
- Recycler (Electron Cooling)
 - > Work
 - Instrumentation
 - Vacuum work
 - Maintenance
 - · New SF6 skid
 - > Issues
 - · New SF6 skid
 - · Electron Cooling re-established quickly



First Beam Pulse in MI!



Antiproton Source

Changes

- > Debuncher Injection kicker motor drive
- > Alignment
- > Repair beam stop
- > Trims

Issues

- > Re-establish stacking
 - · AP2 line tune up



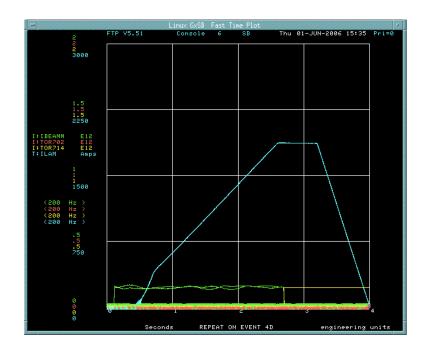
Tevatron

Major Modifications

- > Warmed up 6 houses-- repaired all leaks
- > Alignment
- > Tel 2 installation
- > Tel 1 Repair
- > 3 new separators

Issues

> New helices



First Circulating Beam in Tevatron 6-1-06



Global View of Difficulties

- Ground Faults
 - > Tev
 - > Pbar
 - > MI
- Power Supplies
- Vacuum
- RF
 - > Booster
 - > MI
- Controls
- Instrumentation



Startup Summary

Startup

- > Relatively smooth
- > Remaining issues
 - Booster intensity
 - Stacking rate in Accumulator
 - Stable Tevatron

Plan

- > Establish stable operations
- > Integrate Luminosity
- > Work on stacking as parasitically as possible