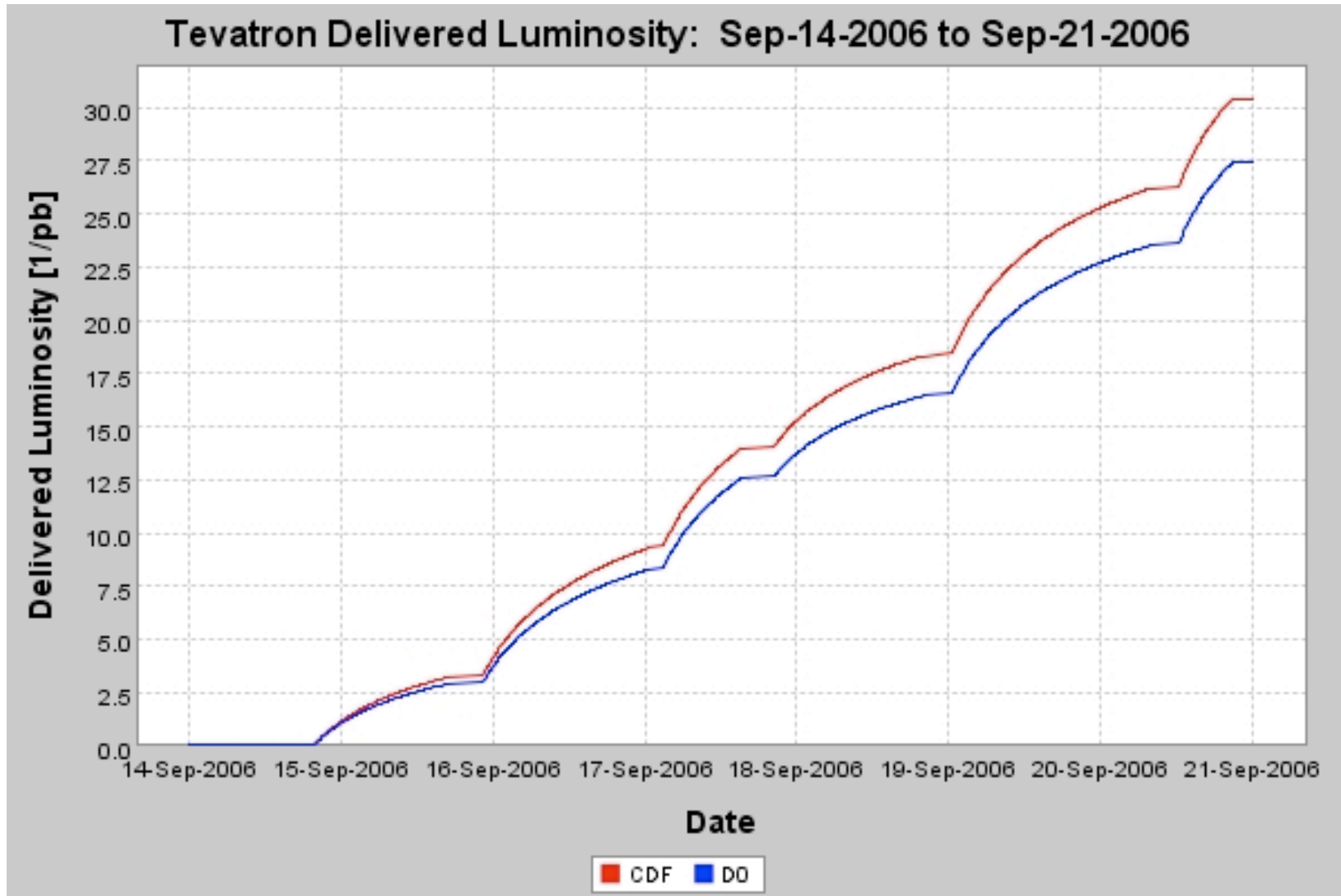


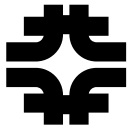
Operations Summary

R. Dixon

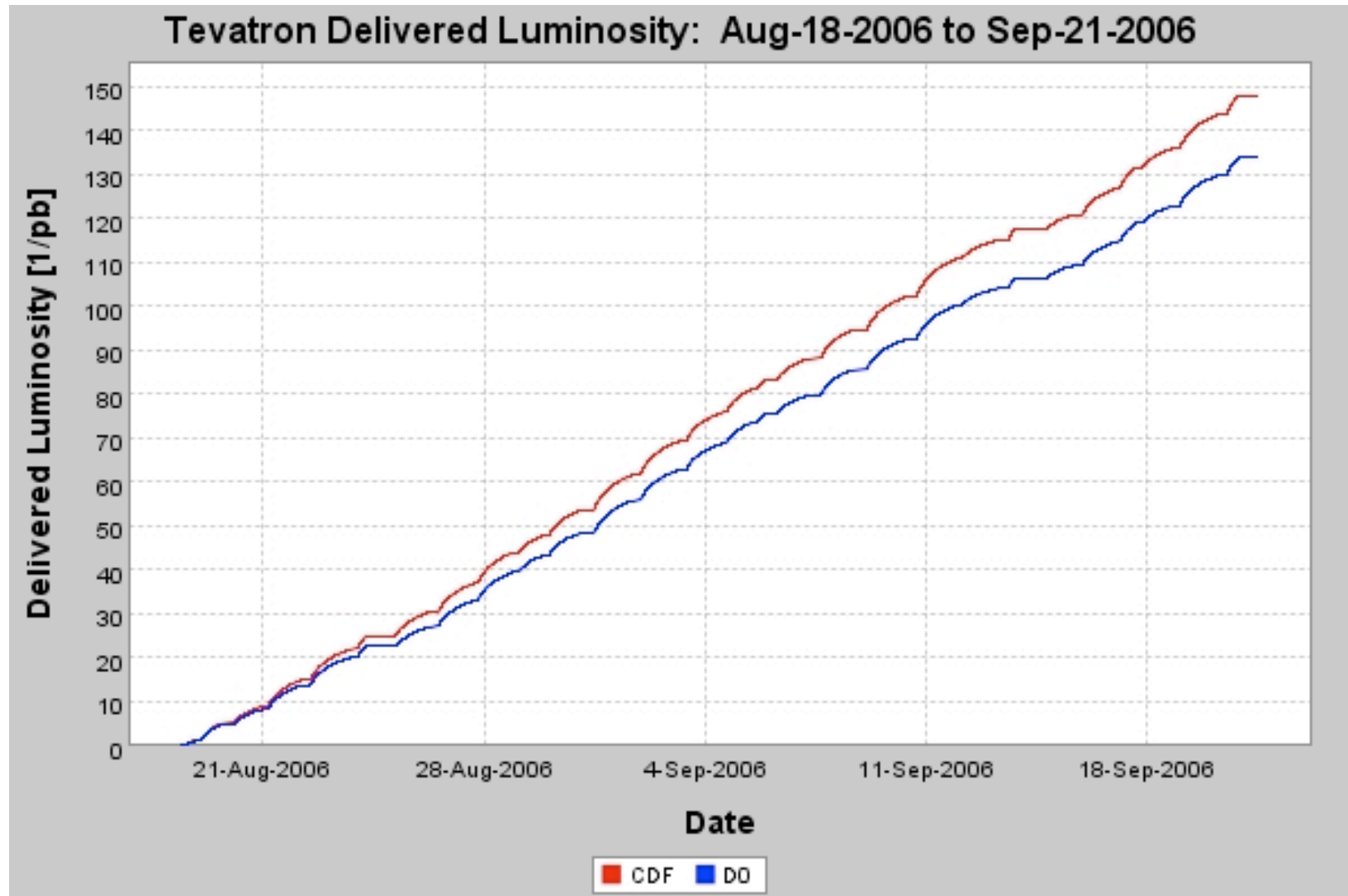


Weekly Luminosity



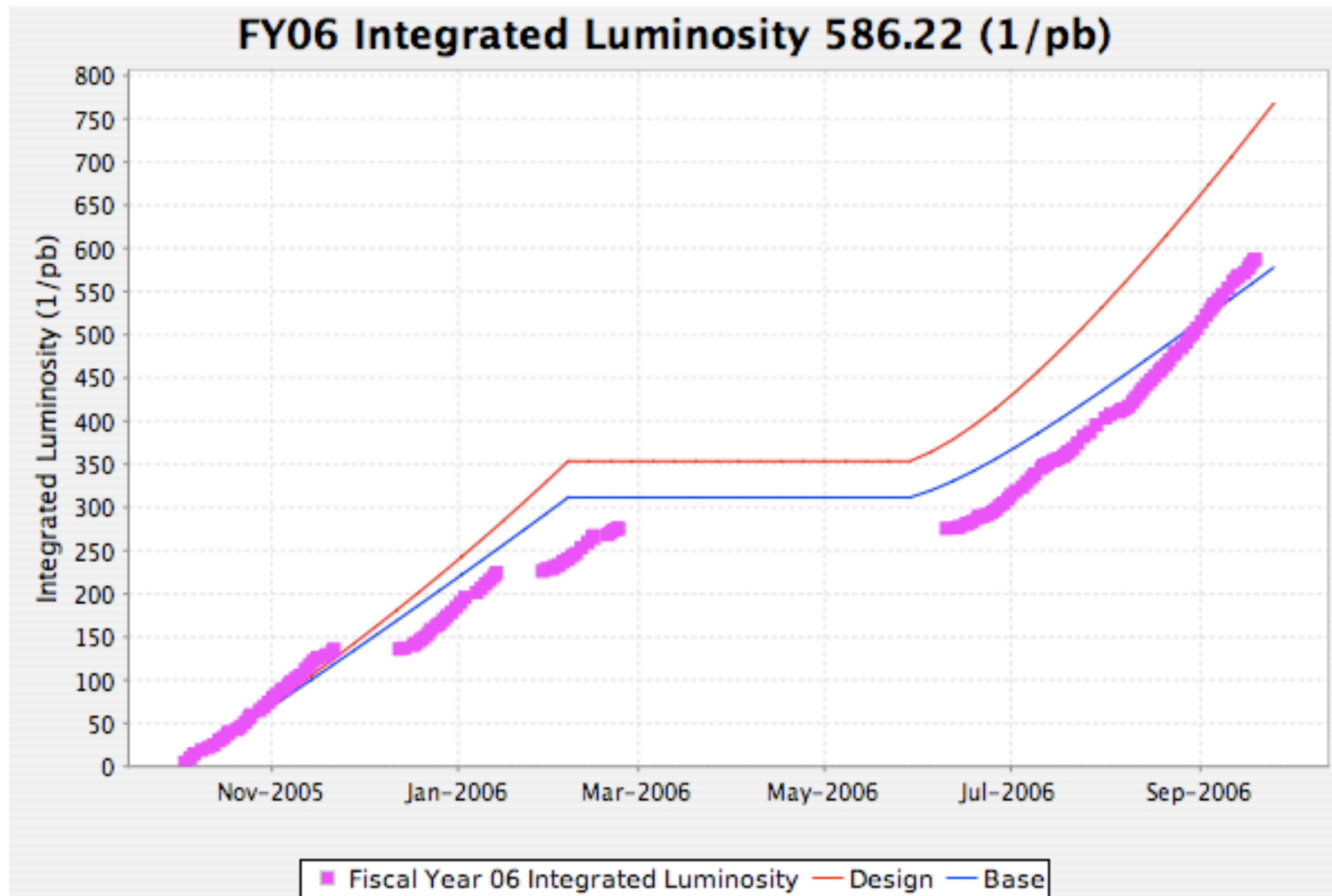


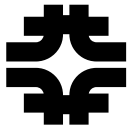
Integrated Monthly Luminosity



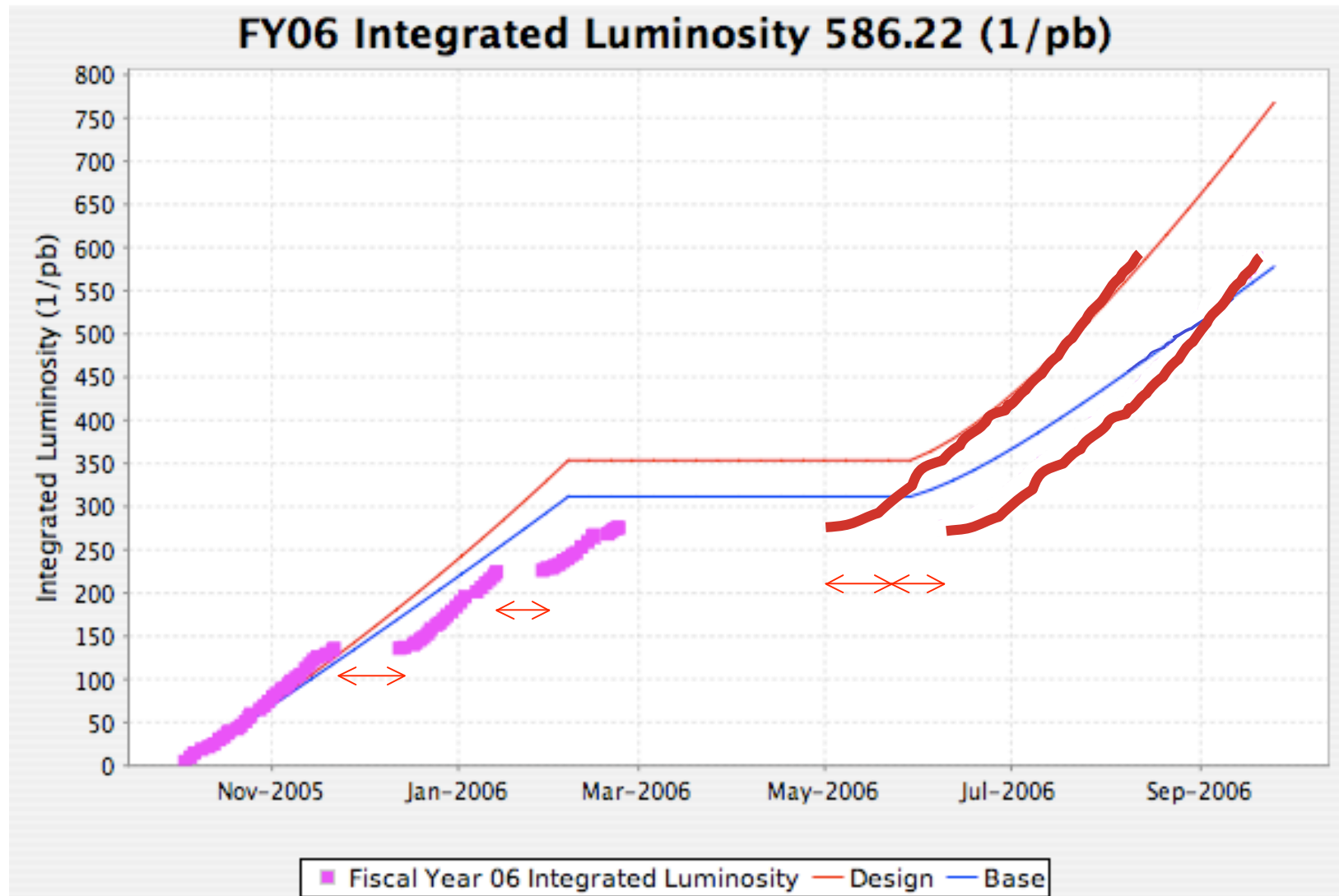


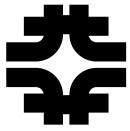
Yearly Integrated Luminosity



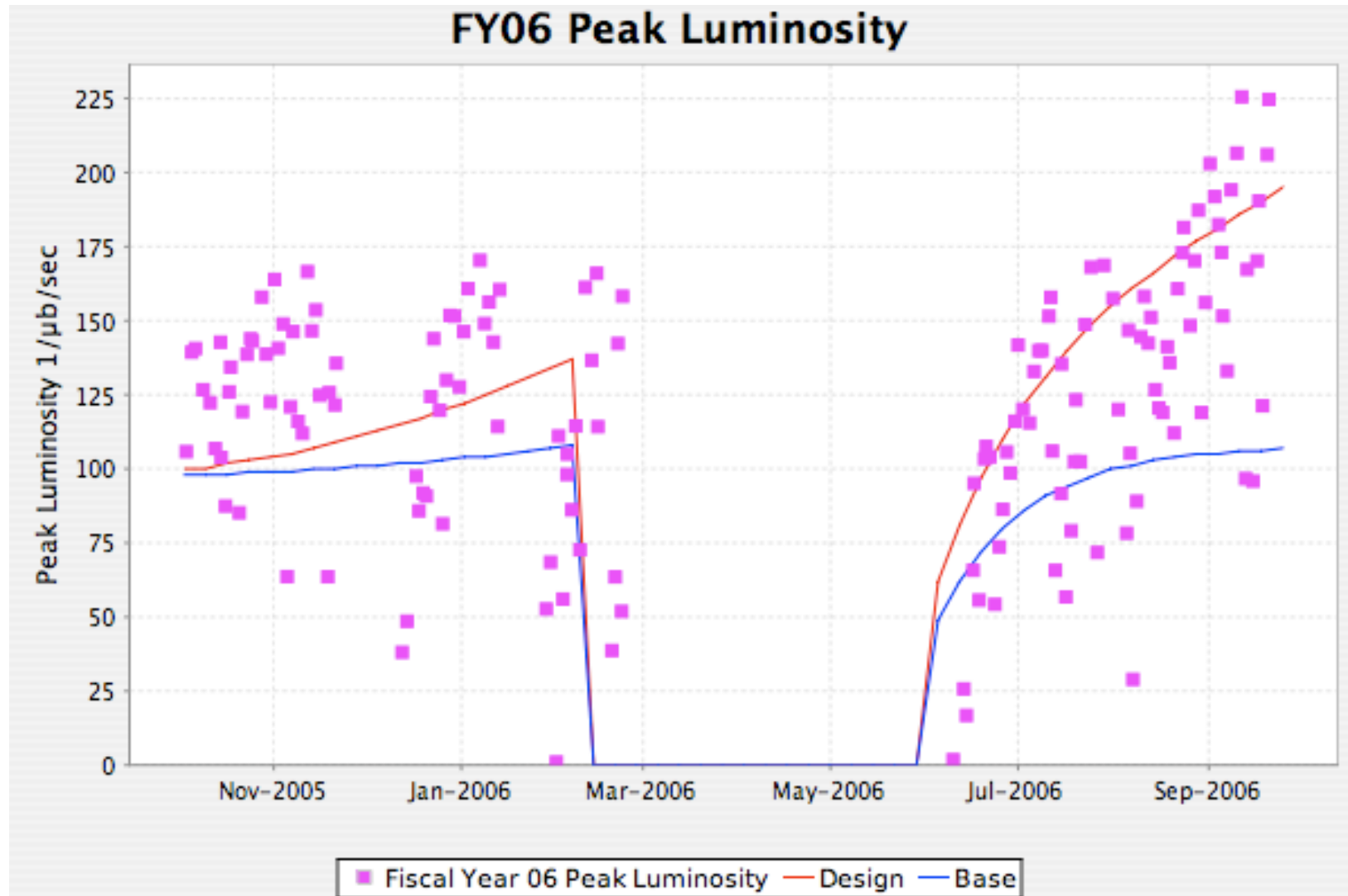


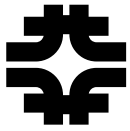
Assignment of Blame



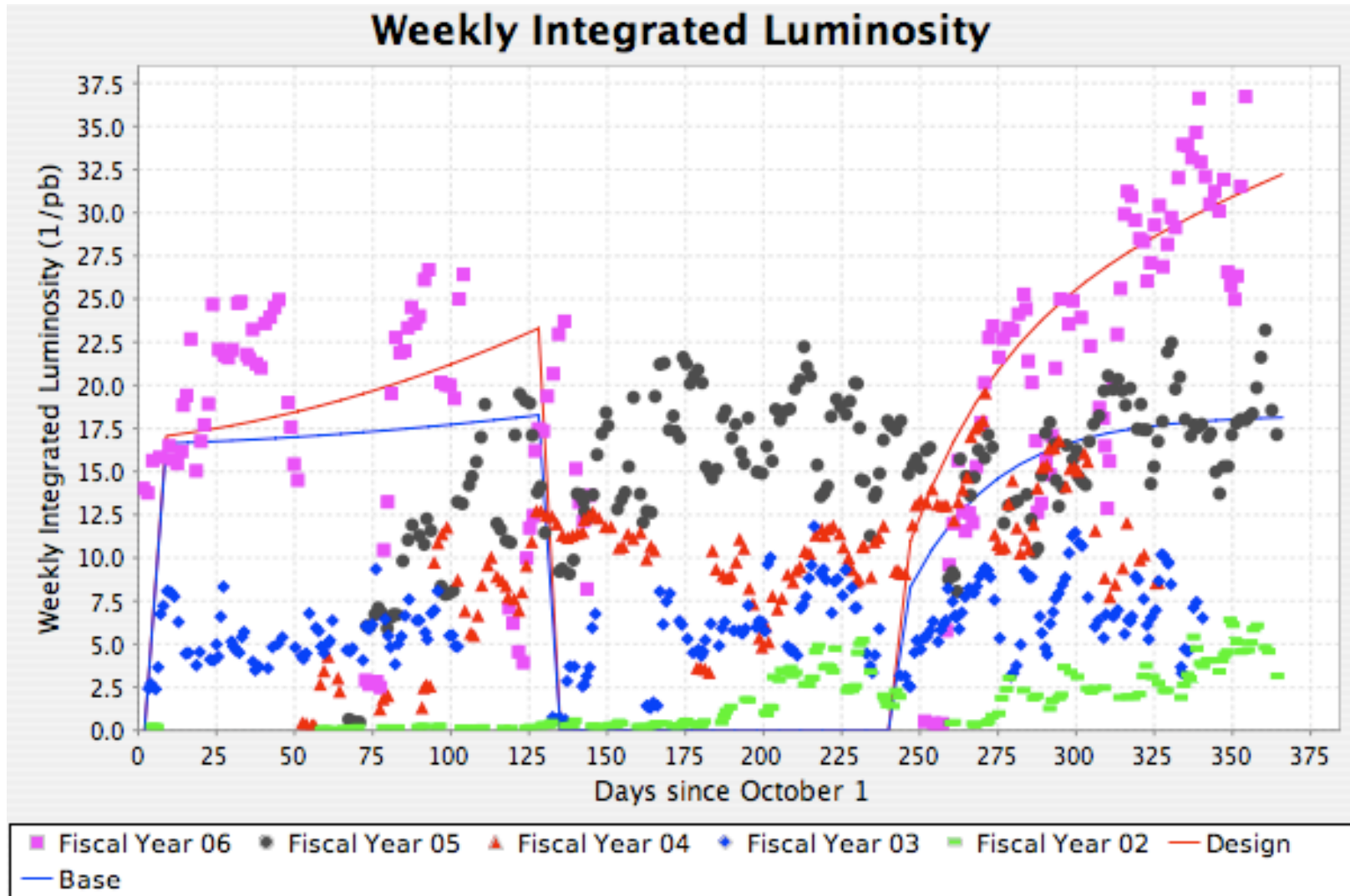


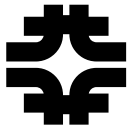
Peak Luminosity





Weekly Luminosities (X5)

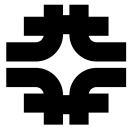




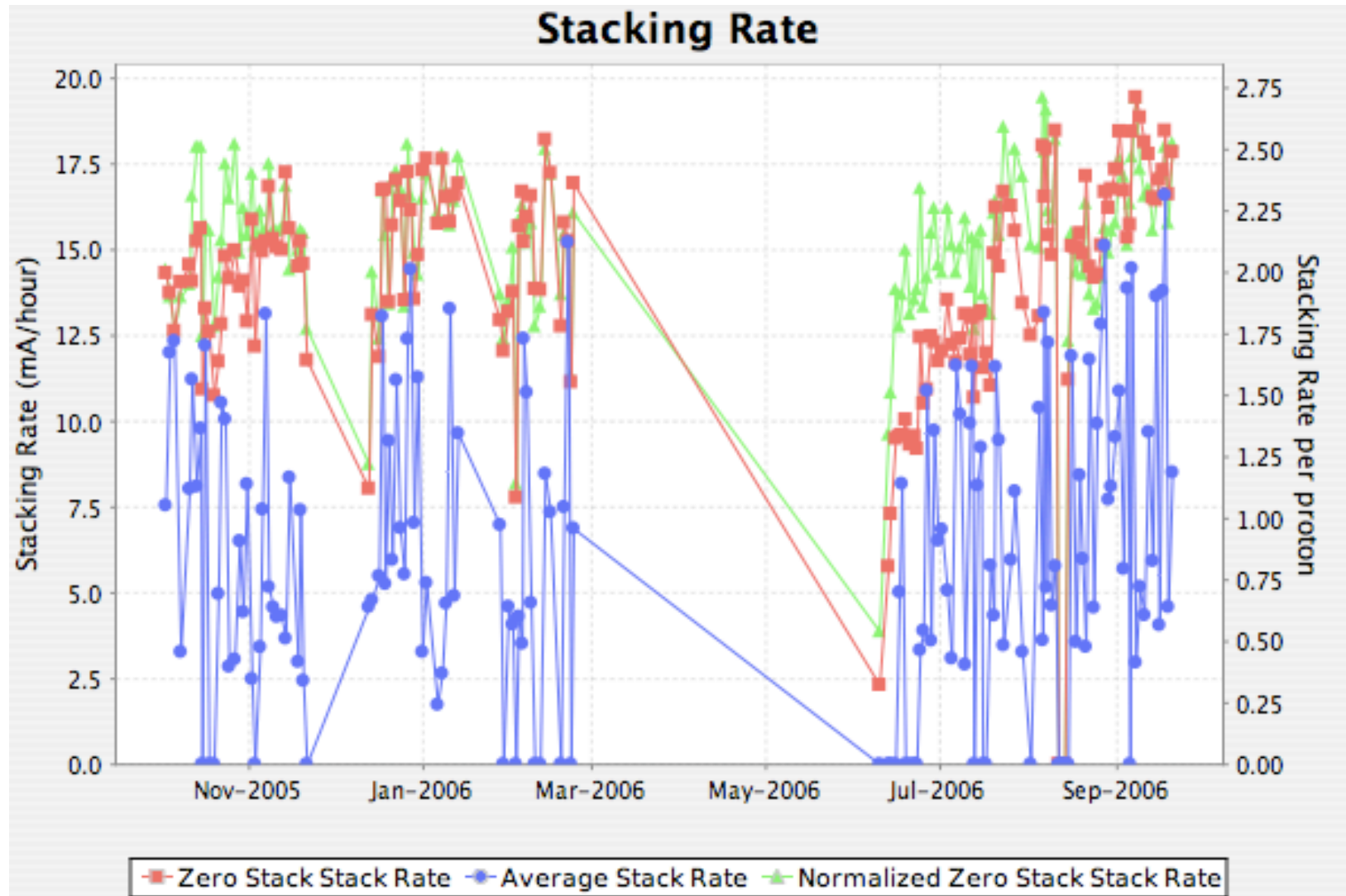
Store Log to Show Records

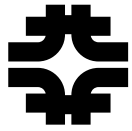
Store #	Date	Store Length	End	Initial Lum	CDF Del.	D0 Del
1	4949	9/10/06	32.05 Normal	225.17	8628.79	7746.68
2	4964	9/20/06	0 Not Completed	224.3	0	0
3	4947	9/9/06	32.07 Normal	206.175	7773.15	7078
4	4963	9/18/06	31.98 Normal	205.69	7871.42	7074.23
5	4932	8/31/06	30.28 Normal	202.61	7979.06	7252.85
6	4942	9/7/06	23.34 TevQuench	193.76	6455.45	5791.95
7	4934	9/1/06	31.32 Normal	191.5	7781.29	7079.06
8	4960	9/17/06	12.51 TevQuench	190.04	4721.47	4302.1
9	4928	8/27/06	28.2 Normal	186.87	6990.12	6436.39
10	4935	9/3/06	27.84 Normal	182.04	6438.77	5920.18
11	4919	8/23/06	6 Abort	181.1	2836.9	2557.17
12	4936	9/4/06	19 Abort	172.66	5209.98	4625.04
13	4917	8/22/06	30.75 Normal	172.53	7000.35	6339.41
14	4927	8/26/06	28.42 Normal	169.86	6556.57	6039.75
15	4959	9/15/06	26.49 Normal	169.83	6070.11	5414.68
16	4952	9/13/06	5.6 TevQuench	166.93	2510.13	2264.16
17	4915	8/21/06	25.62 Normal	160.41	5848.08	5326.23
18	4930	8/29/06	27.11 Normal	155.74	5684.87	5161.86
19	4937	9/5/06	5.67 TevQuench	151.2	2218	1998.89
20	4925	8/25/06	27.41 Normal	147.95	5682.88	4563.55
21	4910	8/18/06	14.33 TevQuench	135.48	3924.05	3624.98
22	4940	9/6/06	25.18 Normal	132.63	4830.45	4350.43
23	4962	9/17/06	24.18 Normal	120.9	4325.44	3880.01
24	4929	8/28/06	20.33 Normal	118.61	4010.76	3833.15
25	4914	8/19/06	24.12 Normal	111.68	4013.83	3732.54
26	4950	9/12/06	28.46 Normal	96.34	4107.45	3759.93
27	4957	9/14/06	21.18 Normal	95.48	3207.56	2884.74
Totals				165	143	129

19/27 Normal Terminations--7 Records



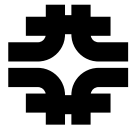
Stacking Rate for FY06





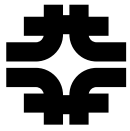
Recent Stacking Numbers

- **Stacking in last 24 hours**
- **Most in an hour: 19.22 mA at Wed Sep 20 21:15:41 CDT 2006**
- **ZSSR 18.46 mA/hr Best: 19.43 mA/hr on 09/06/2006**
- **Average Production 16.94 e-6/proton Best: 18.23 e-6/proton on 05/08/2003**
- **Average Protons on Target 7.32 e12 Best: 7.98 e12 on 08/30/2006**
- **Largest Stack 77.73 mA Best: 245.53 mA on 12/04/2003**



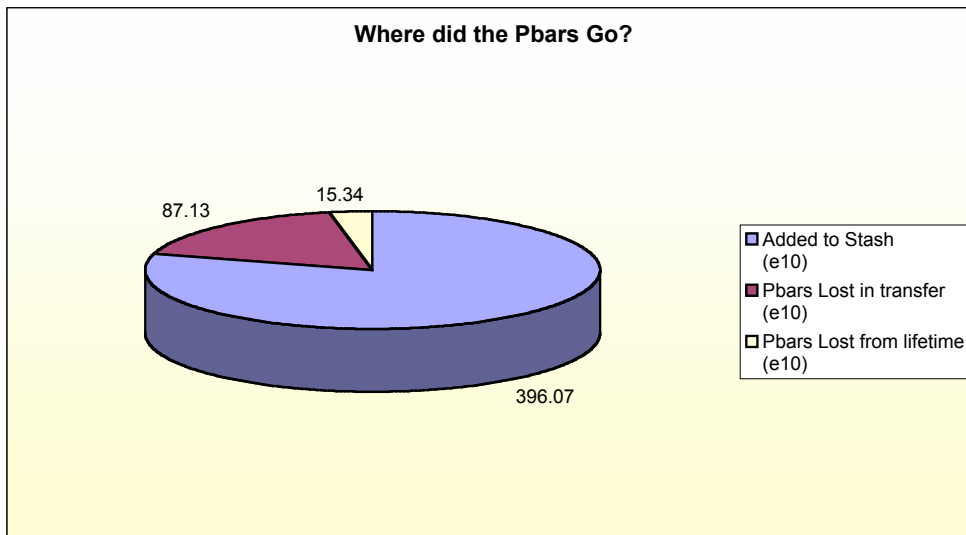
Short-Term Stacking Plans

- **Stacking Improvements**
 - Measure stacktail dynamic range for new equalizer (8 hours of measurements)
 - Debuncher Cooling Measurements (ongoing as we speak)
 - Centering pickup and kicker tanks in the Accumulator
 - Establish that we can get the flux into the Accumulator
 - Correcting Accumulator Orbit and Optics
- Transfer Efficiencies from Accumulator to Recycler



Antiproton Efficiencies

Pbars Lost while preparing for Store 4964												
Shot #	Initial Stack (mA)	Final Stack (mA)	Unstacked (mA)	Initial RR (e10)	Final RR (e10)	Added to Stash (e10)	Efficiency	Pbars Lost in transfer (e10)	Pbars Lost from lifetime (e10)	Pbars Lost (e10)	Total Pbars Lost (e10)	Stash if no pbars lost
4513	62.59	10.59	52	12.25	56.5	44.25	85.10%	7.75	0	7.75	7.75	64.25
4514	60.39	8.79	51.6	56.09	101.46	45.37	87.93%	6.23	0.41	6.64	14.39	115.85
4515	59.59	12.39	47.2	100.92	141.81	40.89	86.63%	6.31	0.54	6.85	21.24	163.05
4516	63.19	14.19	49	141.1	180.81	39.71	81.04%	9.29	0.71	10	31.24	212.05
4517	67.59	9.99	57.6	176.27	224.69	48.42	84.06%	9.18	4.54	13.72	44.96	269.65
4518	62.19	8.59	53.6	223.18	265.07	41.89	78.15%	11.71	1.51	13.22	58.18	323.25
4519	59.99	7.59	52.4	263.1	303.01	39.91	76.16%	12.49	1.97	14.46	72.64	375.65
4520	60.39	9.59	50.8	300.73	342.48	41.75	82.19%	9.05	2.28	11.33	83.97	426.45
4521	77.99	8.99	69	339.1	392.98	53.88	78.09%	15.12	3.38	18.5	102.47	495.45
						396.07		87.13	15.34	102.47		



% of Pbars Lost
25.87%

Pbars Lost (e10)
102.47

No Loss Stash Size
495.45

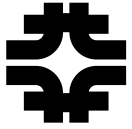


Other Operational Issues

- Water leak in Accumulator Quad (A:6Q14)
- Water Leak in HV101
- F17 vacuum issue on Tevatron

HV101 Magnet Showing Magnetic Shielding





Summary

- Performance-- better than shutdown on all counts
- Tevatron running extremely well
- Working hard on stacking



Stacktail Upgrade Issues

- Before Decision to Proceed can be made we need to:
 - Show measurable progress -- 25 ma/hour
 - Make Measurements to find out of present stacktail problem is a bandwidth problem or a transverse heating problem
 - Need to show that we have ≥ 30 ma per hour coming from the Debuncher