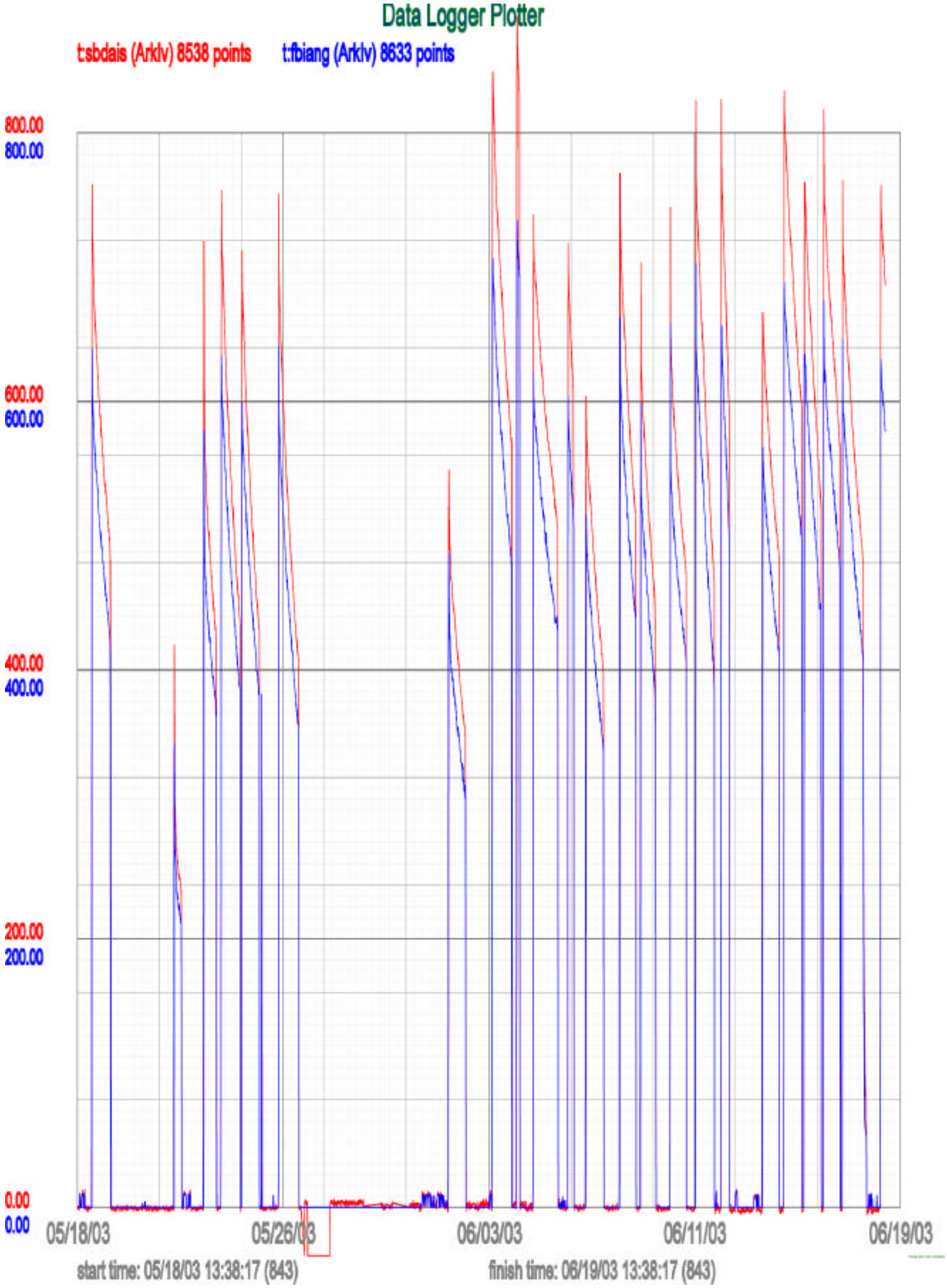
Tev Meeting 062003

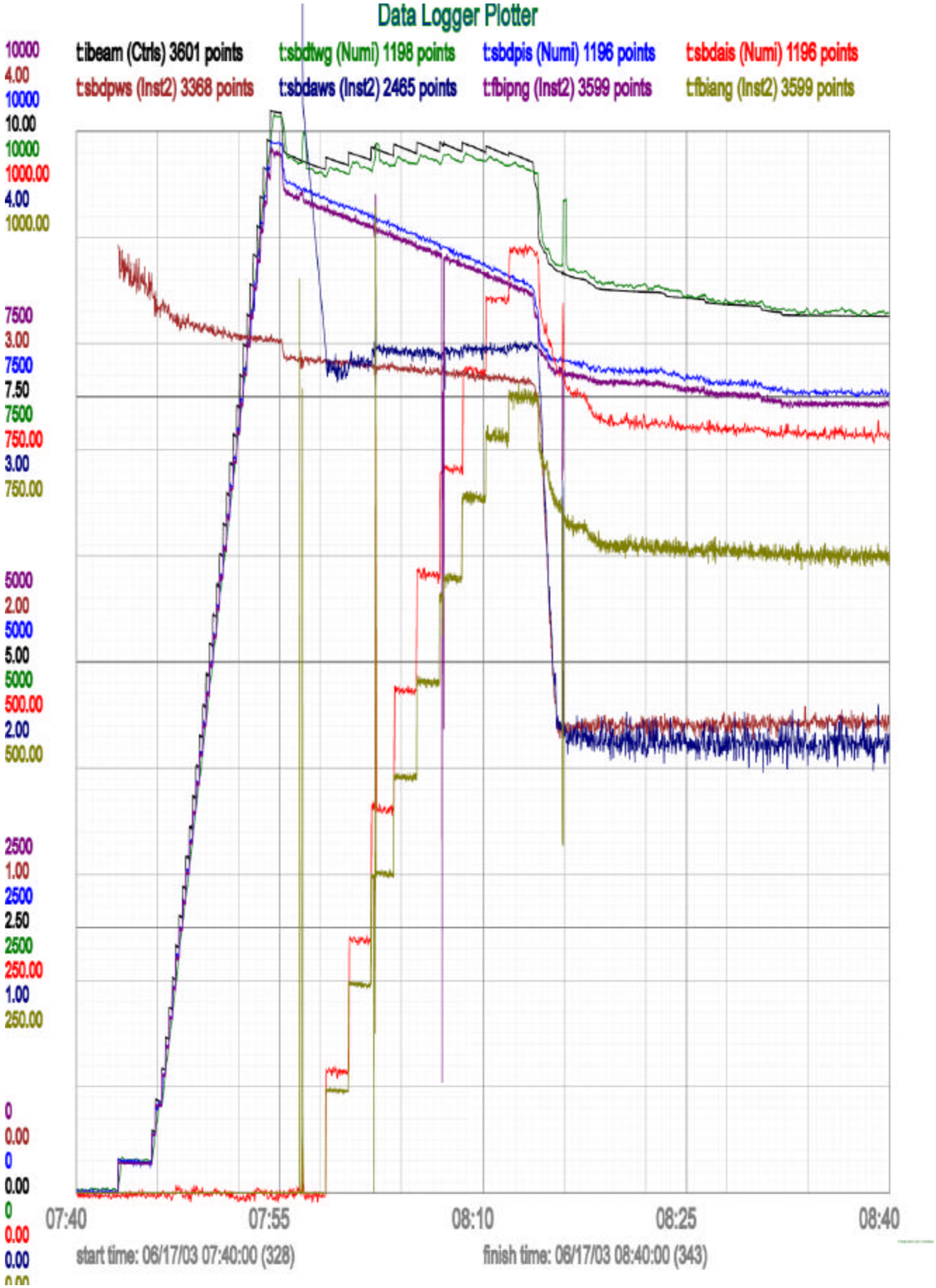
avt

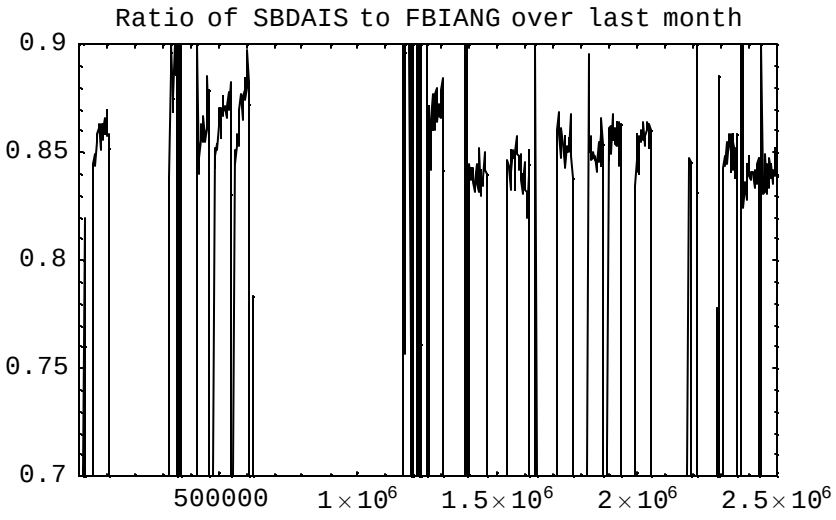
1. **Watch out for FBI !**

2. **Proton only stores at 150 GeV/c**

3. **Comparison of average "Best Stores" with now.**

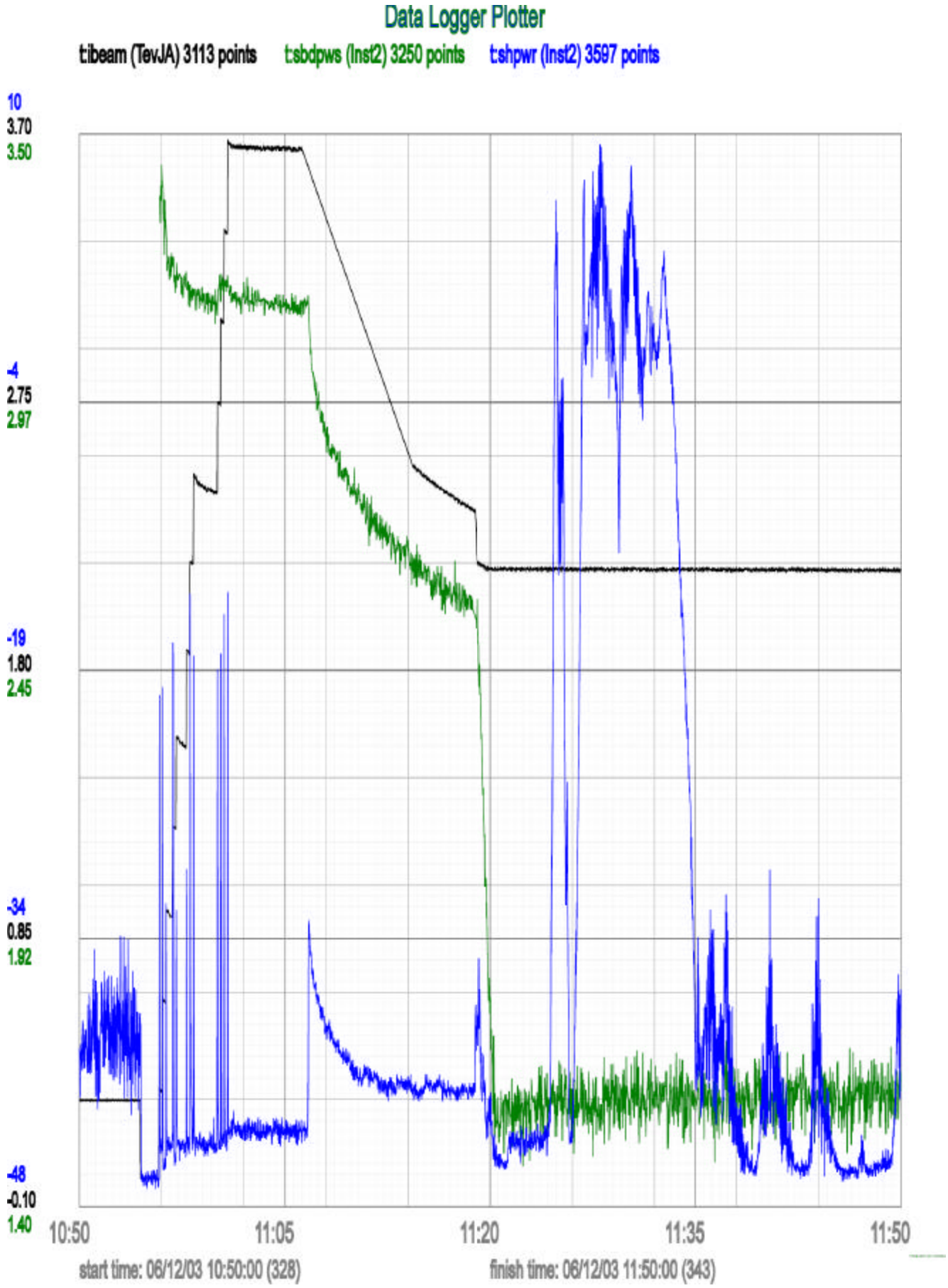

Data Logger Plotter
t:sbdais (Arklv) 8538 points
t:fbiang (Arklv) 8633 points
800.00
800.00
600.00
600.00
400.00
400.00
200.00
200.00
0.00
0.00
05/18/03
05/26/03
06/03/03
06/11/03
06/19/03
start time: 05/18/03 13:38:17 (843)
finish time: 06/19/03 13:38:17 (843)

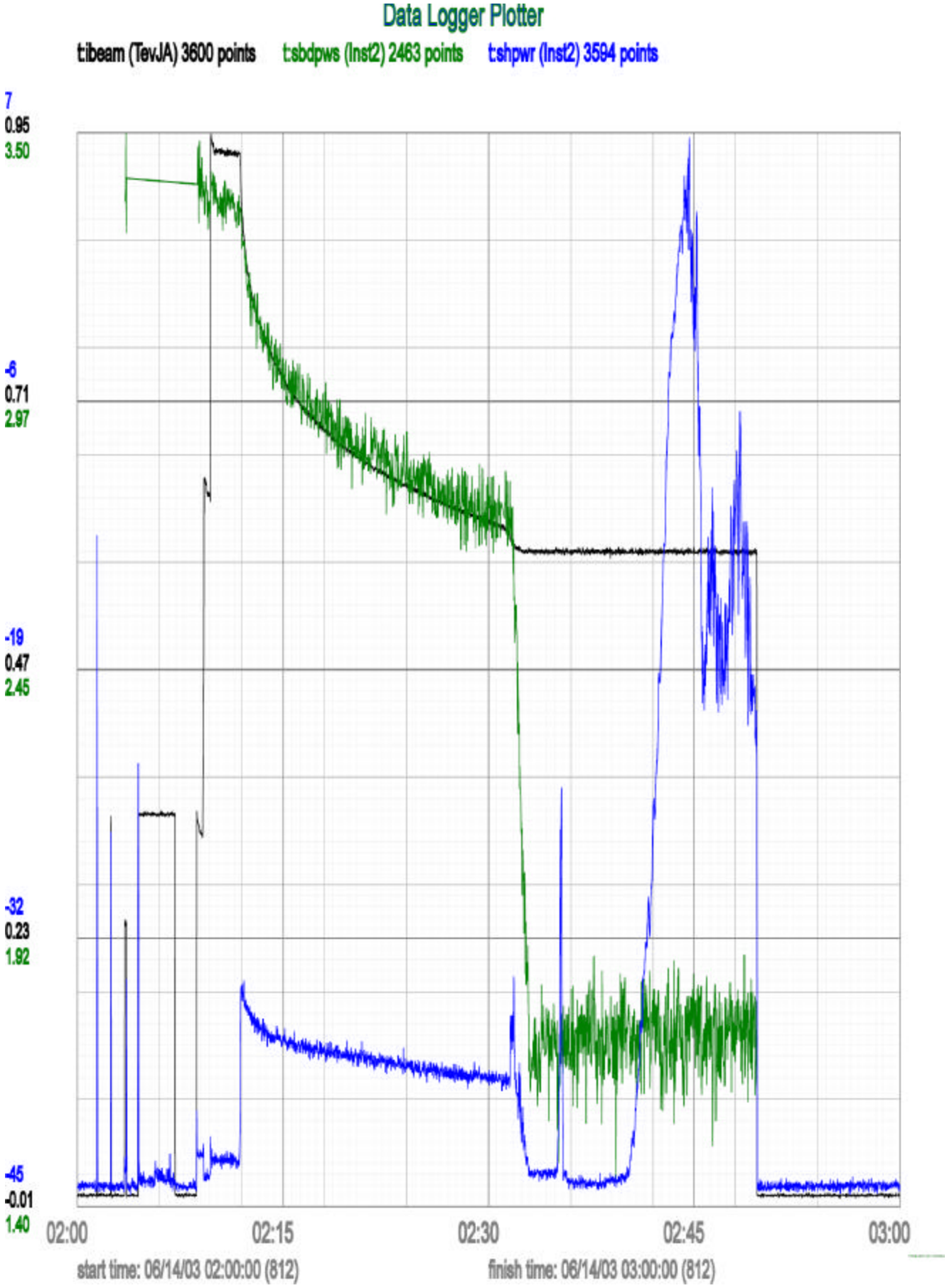

Data Logger Plotter
t:ibeam (Ctrls) 3601 points
t:sbdtwg (Numi) 1198 points
t:sbdpis (Numi) 1196 points
t:sbdais (Numi) 1196 points
t:sbdpws (Inst2) 3368 points
t:sbdaws (Inst2) 2465 points
t:fbipng (Inst2) 3599 points
t:fbiang (Inst2) 3599 points
10000
4.00
10000
10.00
10000
1000.00
4.00
1000.00
7500
3.00
7500
7.50
7500
750.00
3.00
750.00
5000
2.00
5000
5.00
5000
500.00
2.00
500.00
2500
1.00
2500
2.50
2500
250.00
1.00
250.00
0
0.00
0
0.00
0
0.00
0.00
0.00
07:40
07:55
08:10
08:25
08:40
start time: 06/17/03 07:40:00 (328)
finish time: 06/17/03 08:40:00 (343)


Ratio of SBDAIS to FBIANG over last month
0.9
0.85
0.8
0.75
0.7
500000
1×10^6
1.5×10^6
2×10^6
2.5×10^6

Shot Summary, store 2705, Thu Jun 19 10:03:50 CDT 2003, Initial Stack Size = 106.98750000000001 E10

	Proton Intensity E9	Step Efficiency %	Cumulative Efficiency %	Pbar Intensity E9	Step Efficiency %	Cumulative Efficiency %
Accumulator				998.00		
MI 8Gev	13183.49			995.35	99.73	99.73
MI 150Gev	13055.62	99.03	99.03	999.77	100.44	100.18
Coalescing	10259.77	78.59	77.82	854.49	85.47	85.62
Inject Protons	9374.43	91.37	71.11			
Pbar Injection porch	9087.71	96.94	68.93			
Inject Pbars	8508.95	93.63	64.54	757.51	88.65	75.90
Before Ramp	8499.00	99.88	64.47	731.74	96.60	73.32
Flattop	7931.45	93.32	60.16	655.69	89.61	65.70
Squeeze	7633.93	96.25	57.91	430.16	65.60	43.10
Initiate Collisions	7623.35	99.86	57.82	429.79	99.91	43.06
Remove Halo	7445.33	97.66	56.47	420.50	97.84	42.13
HEP	7437.28	99.89	56.41	420.16	99.92	42.10
Initial Luminosity	22.84	CDF		21.18	DZero	
Shot Setup Time	104.86	min				


Data Logger Plotter
t:ibeam (TevJA) 3113 points
t:sbdpws (Inst2) 3250 points
t:shpwr (Inst2) 3597 points
10
3.70
3.50
-4
2.75
2.97
-19
1.80
2.45
-34
0.85
1.92
-48
-0.10
1.40
10:50
11:05
11:20
11:35
11:50
start time: 06/12/03 10:50:00 (328)
finish time: 06/12/03 11:50:00 (343)


Data Logger Plotter
t:ibeam (TevJA) 3600 points
t:sbdpws (Inst2) 2463 points
t:shpwr (Inst2) 3594 points
7
0.95
3.50
-6
0.71
2.97
-19
0.47
2.45
-32
0.23
1.92
-45
-0.01
1.40
02:00
02:15
02:30
02:45
03:00
start time: 06/14/03 02:00:00 (812)
finish time: 06/14/03 03:00:00 (812)

Date	Store	DC beam (e12)	DC beam life time (hr)	Prot bunch intens (e9)	*Prot bunch life time (hr)*	Pbar bunch intens (e9)	*Pbar bunch life time (hr)*	Avg lumi (e30)	*Lumi life time (hr)*	Eff emit (pi mm mr)	*Eff emit life time (hr)*
Good	***2526.56***	9.23	95.98	7774.97	*155.16*	885.78	*36.71*	40.34	*12.22*	24.27	*21.71*
average	2675.81	8.05	33.75	7022.31	36.69	650.50	38.63	27.79	8.94	23.13	18.50

Sync Light								SBD			
Prot horz emit (pi mm mr)	*Prot horz emit life time (hr)*	Prot vert emit (pi mm mr)	*Prot vert emit life time (hr)*	Pbar horz emit (pi mm mr)	*Pbar horz emit life time (hr)*	Pbar vert emit (pi mm mr)	*Pbar vert emit life time (hr)*	Prot bunch length (ns)	*Prot bunch length life time (hr)*	Pbar bunch length (ns)	*Pbar bunch length life time (hr)*
39.60	*23.65*	41.57	*-391.94*	46.96	*-47.73*	36.44	*22.29*	1.95	*42.52*	1.82	*140.61*
34.98	16.75	41.91	-77.00	35.52	-306.50	28.62	130.13	2.02	250.88	1.91	185.00