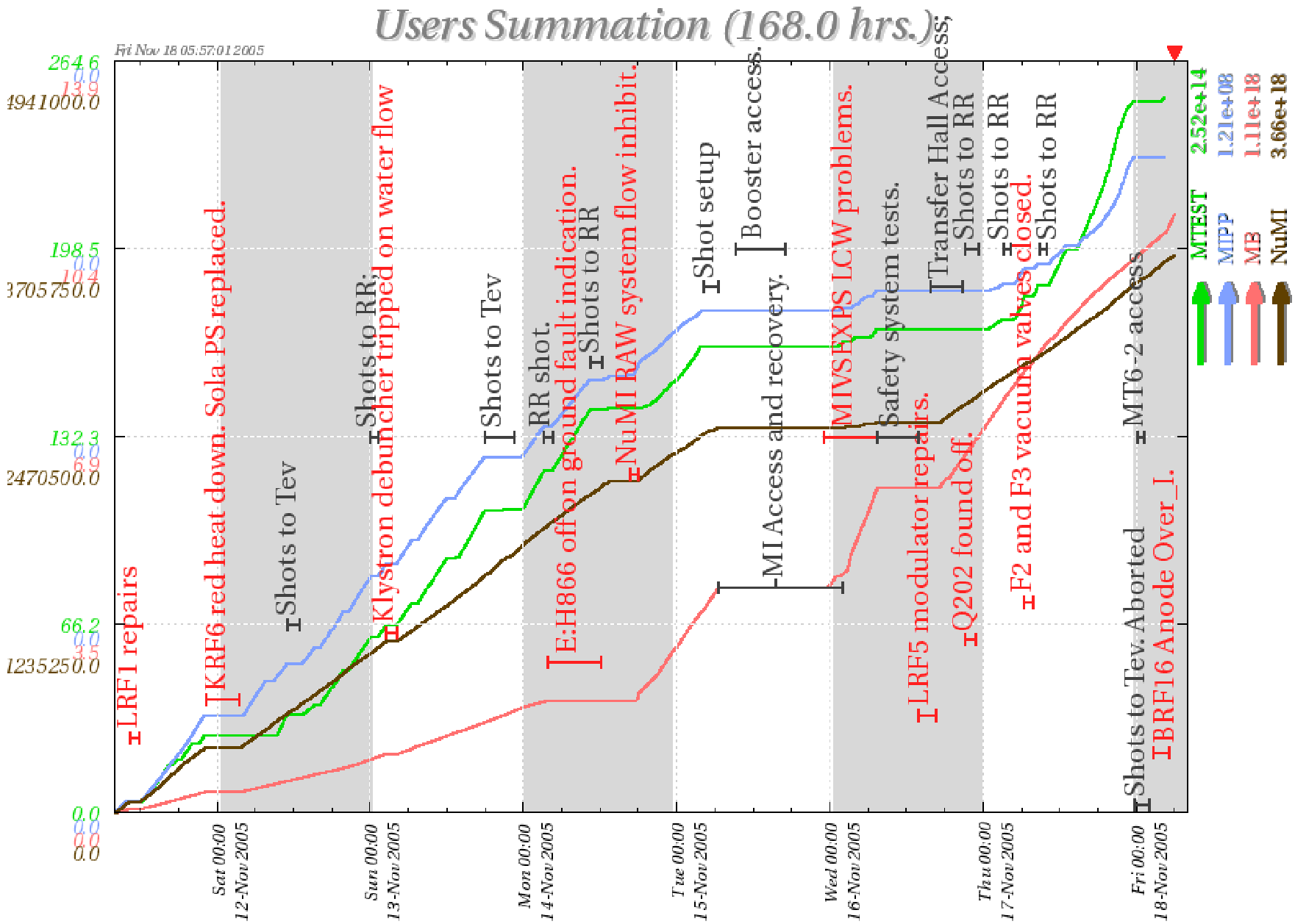
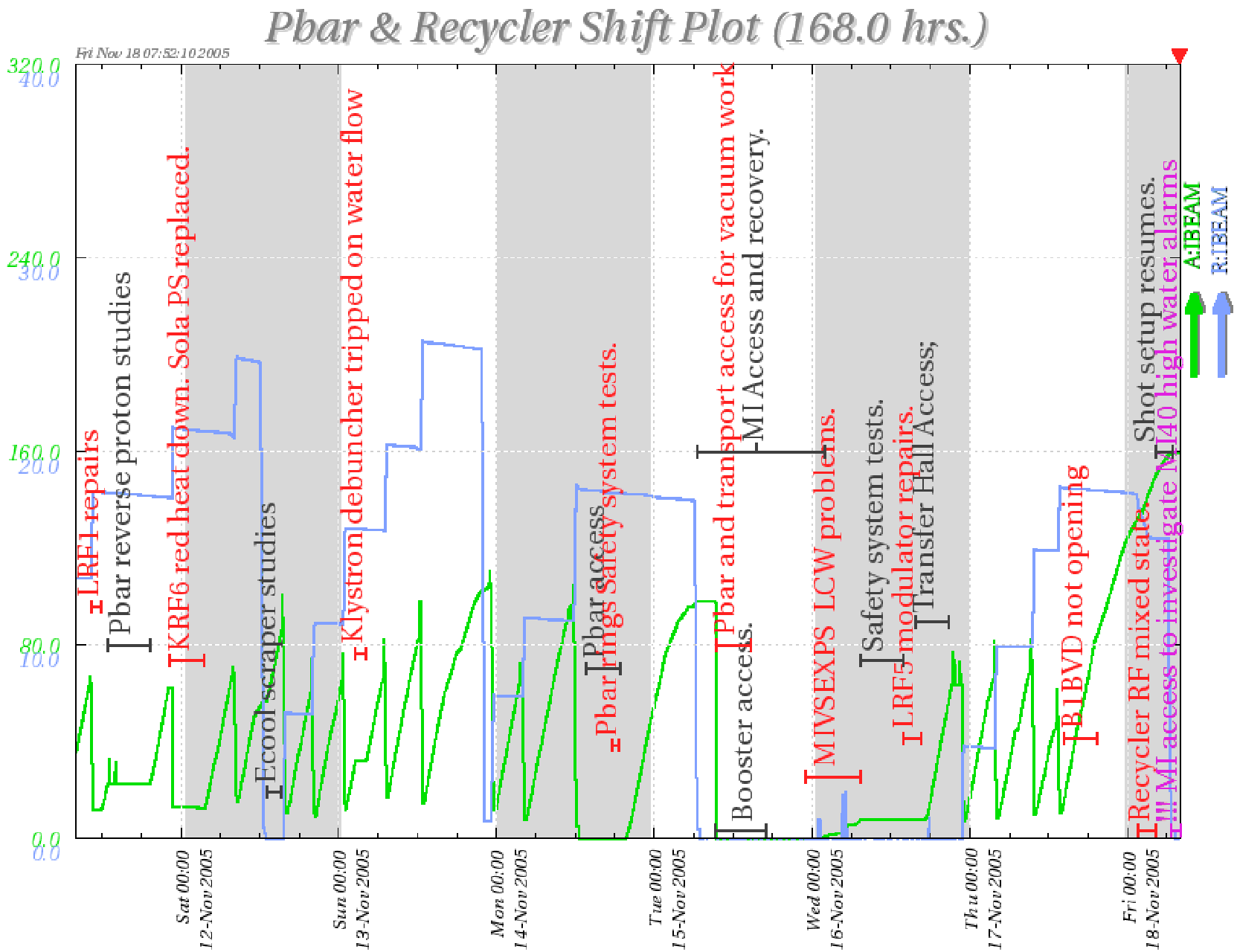
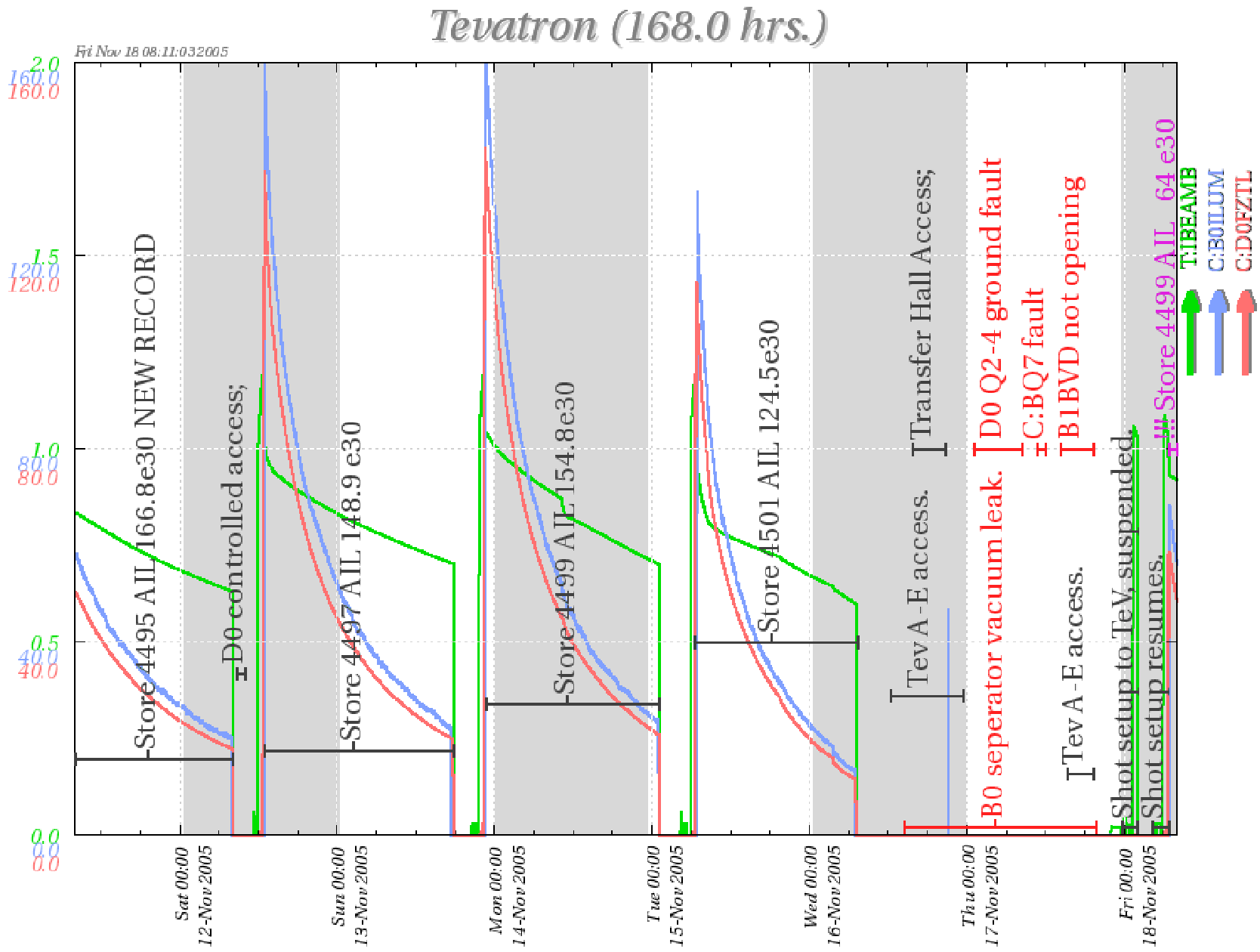
Accelerator Week in Review

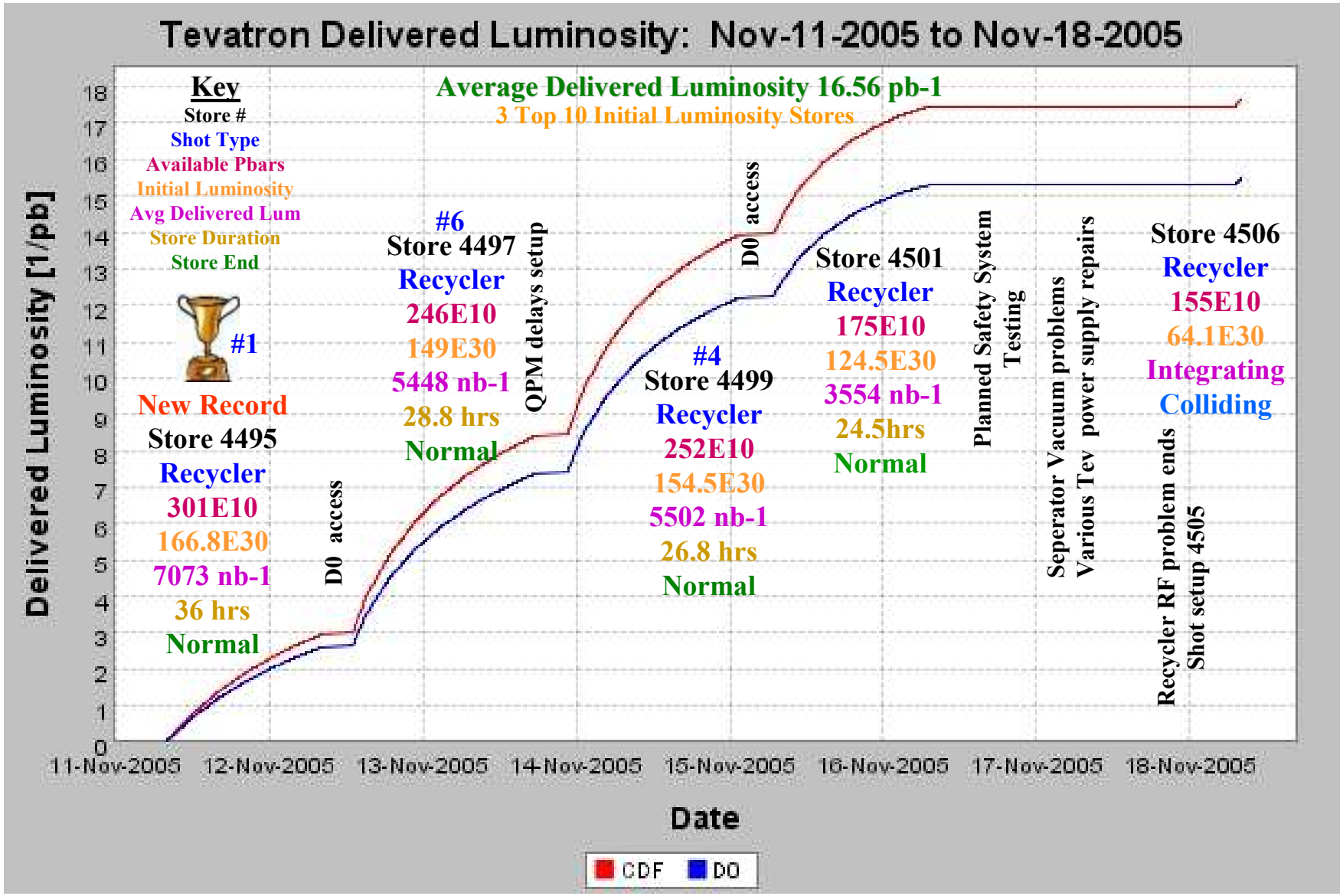
- Part I: Regular 9am Scheduling Meeting
  - Crew Chief Summary
  - 48 hour machine summaries and study requests
  - Operational Plan
- Part II: Weekly Machine Reports
  - Operational Summary – Salah Chaurize
  - Shot Summary – Salah Chaurize
  - Weekly Machine Reports – Machine Coordinators

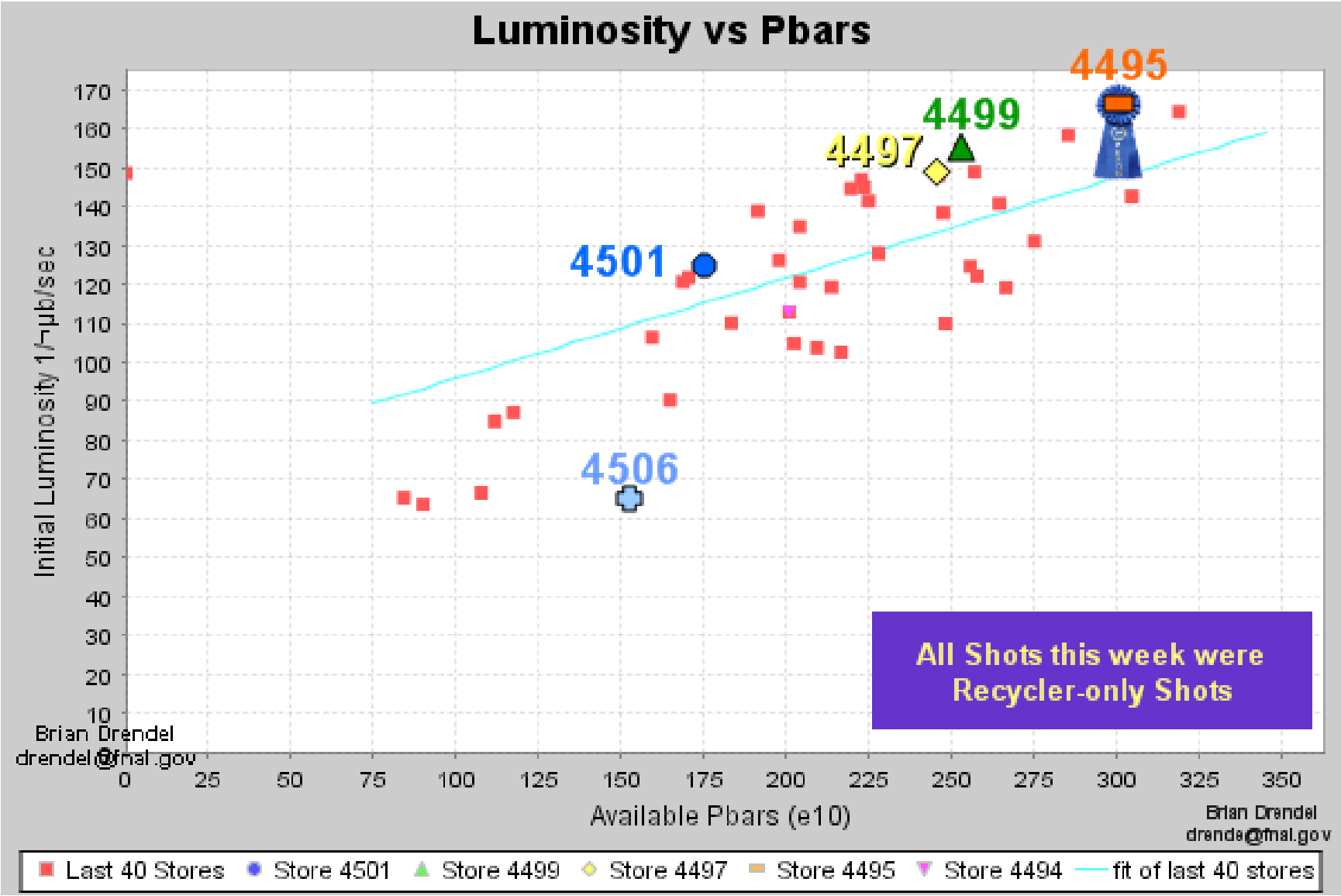

Users Summation (168.0 hrs.)
Fri Nov 18 05:57:01 2005
264.6
198.5
132.3
66.2
0.0
4941000.0
3705750.0
2470500.0
1235250.0
0.0
LRF1 repairs
KRF6 red heat down. Sola PS replaced.
Shots to Tev
Klystron debuncher tripped on water flow
Shots to RR;
Shots to Tev
RR shot.
E:H866 off on ground fault indication.
Shots to RR
NuMI RAW system flow inhibit.
Shot setup
Booster access.
MI Access and recovery.
MIVSEXPS LCW problems.
Safety system tests.
LRF5 modulator repairs.
Transfer Hall Access;
Shots to RR
Q202 found off.
Shots to RR
F2 and F3 vacuum valves closed.
Shots to RR
MT6-2 access
Shots to Tev. Aborted
BRF16 Anode Over_I.
Sat 00:00 12-Nov 2005
Sun 00:00 13-Nov 2005
Mon 00:00 14-Nov 2005
Tue 00:00 15-Nov 2005
Wed 00:00 16-Nov 2005
Thu 00:00 17-Nov 2005
Fri 00:00 18-Nov 2005
MTEST 2.52e+14
MIPP 1.21e+08
MB 1.11e+18
NuMI 3.66e+18

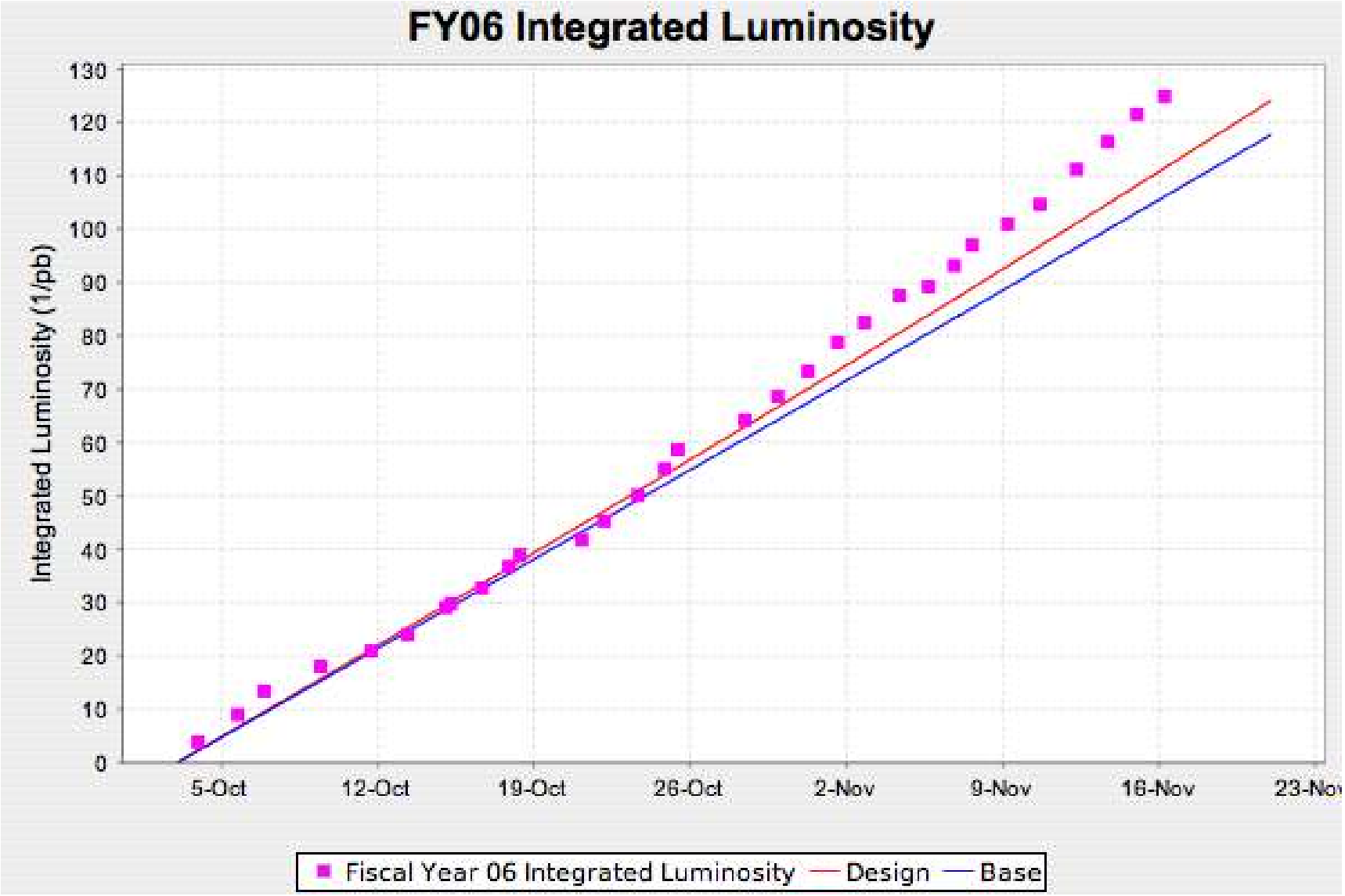

Pbar & Recycler Shift Plot (168.0 hrs.)
Fri Nov 18 07:52:10 2005
320.0
240.0
160.0
80.0
0.0
40.0
30.0
20.0
10.0
0.0
LRF1 repairs
Pbar reverse proton studies
KRF6 red heat down. Sola PS replaced.
Ecool scraper studies
Klystron debuncher tripped on water flow
Pbar access
Pbar rings Safety system tests.
Pbar and transport access for vacuum work
MI Access and recovery.
Booster access.
MIVSEXPS LCW problems.
Safety system tests.
LRF5 modulator repairs.
Transfer Hall Access;
B1BVD not opening
Shot setup resumes.
Recycler RF mixed state.
!!! MI access to investigate MI40 high water alarms
A:IBEAM
R:IBEAM
Sat 00:00 12-Nov 2005
Sun 00:00 13-Nov 2005
Mon 00:00 14-Nov 2005
Tue 00:00 15-Nov 2005
Wed 00:00 16-Nov 2005
Thu 00:00 17-Nov 2005
Fri 00:00 18-Nov 2005

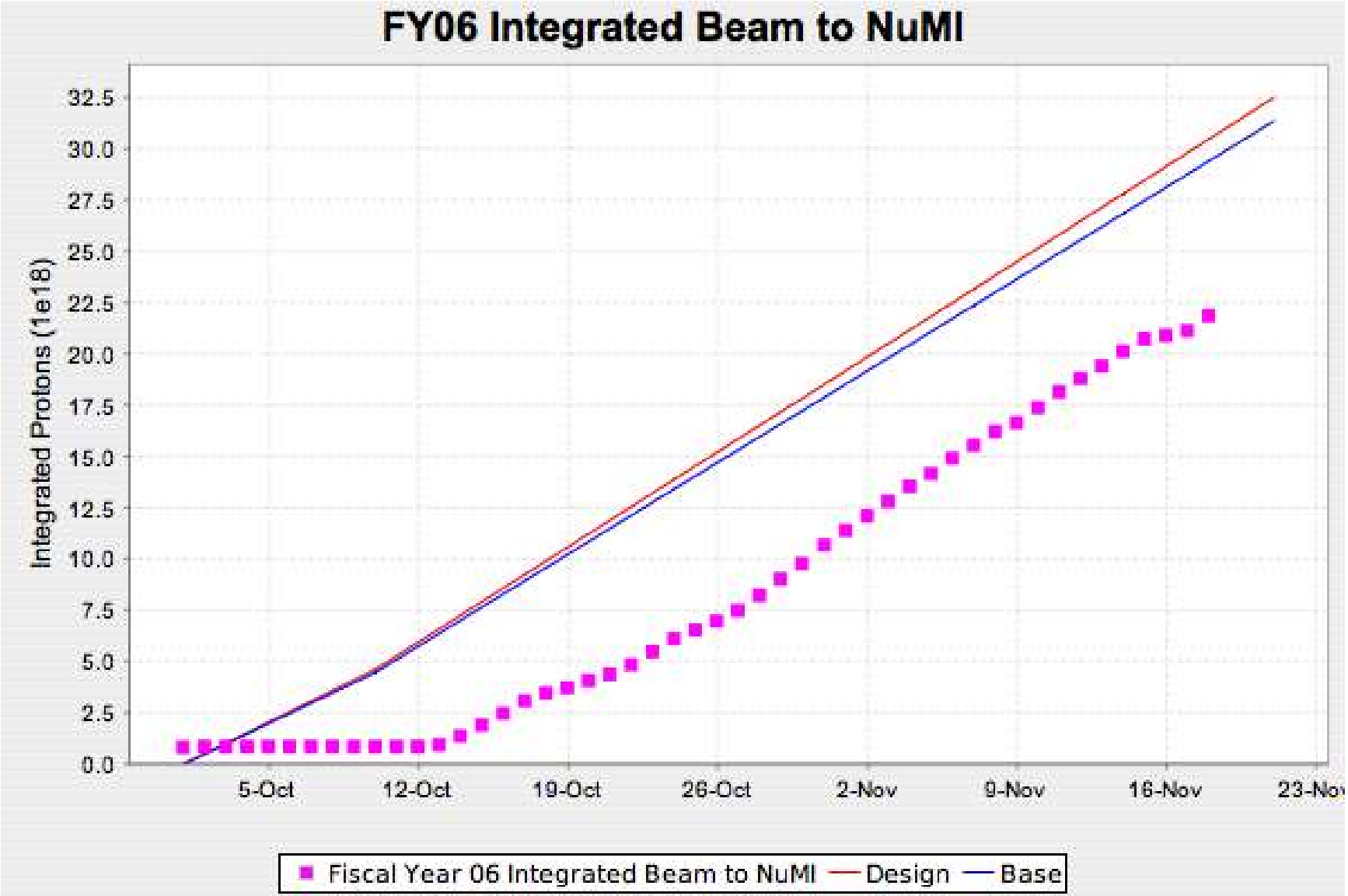

Tevatron (168.0 hrs.)
Fri Nov 18 08:11:03 2005
Store 4495 AIL 166.8e30 NEW RECORD
D0 controlled access;
Store 4497 AIL 148.9 e30
Store 4499 AIL 154.8e30
Store 4501 AIL 124.5e30
Tev A-E access.
Transfer Hall Access;
B0 seperator vacuum leak.
D0 Q2-4 ground fault
C:BQ7 fault
B1BVD not opening
Tev A-E access.
Shot setup to TeV, suspended.
Shot setup resumes.
Store 4499 AIL 64 e30
T:IBEAMB
C:B0ILUM
C:D0FZTL
Sat 00:00 12-Nov 2005
Sun 00:00 13-Nov 2005
Mon 00:00 14-Nov 2005
Tue 00:00 15-Nov 2005
Wed 00:00 16-Nov 2005
Thu 00:00 17-Nov 2005
Fri 00:00 18-Nov 2005
2.0
1.5
1.0
0.5
0.0
160.0
120.0
80.0
40.0
0.0

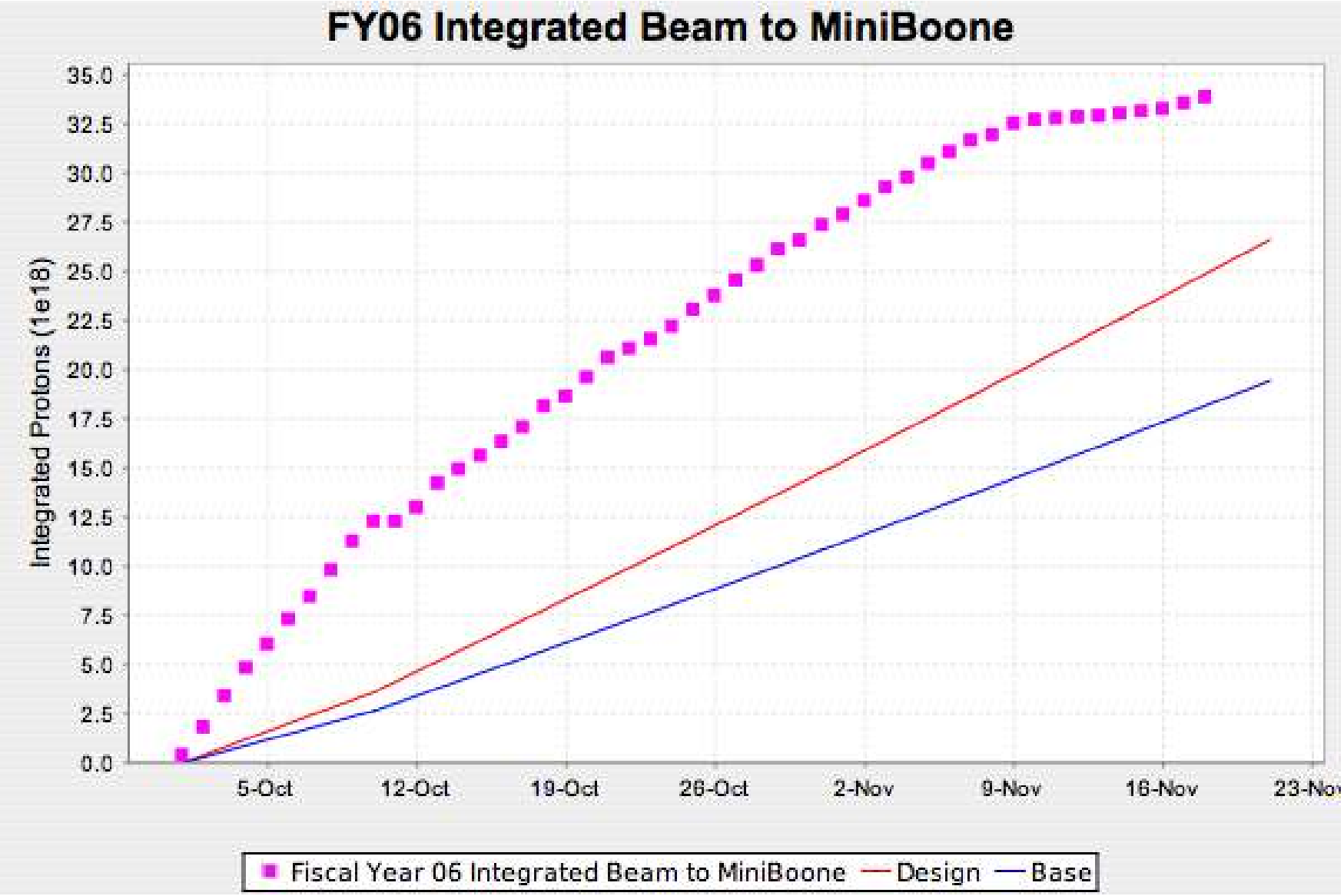
Integrated Luminosity

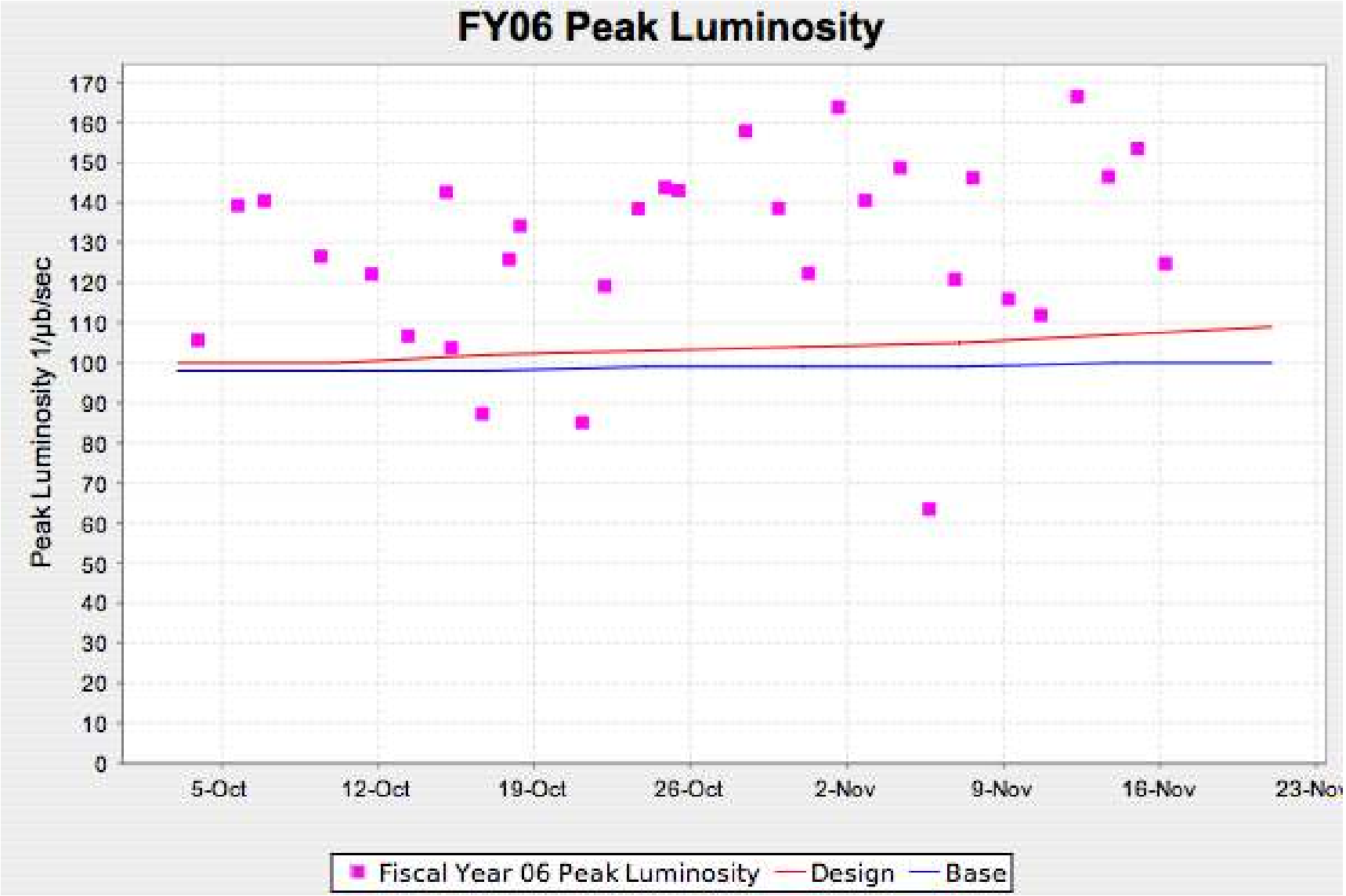
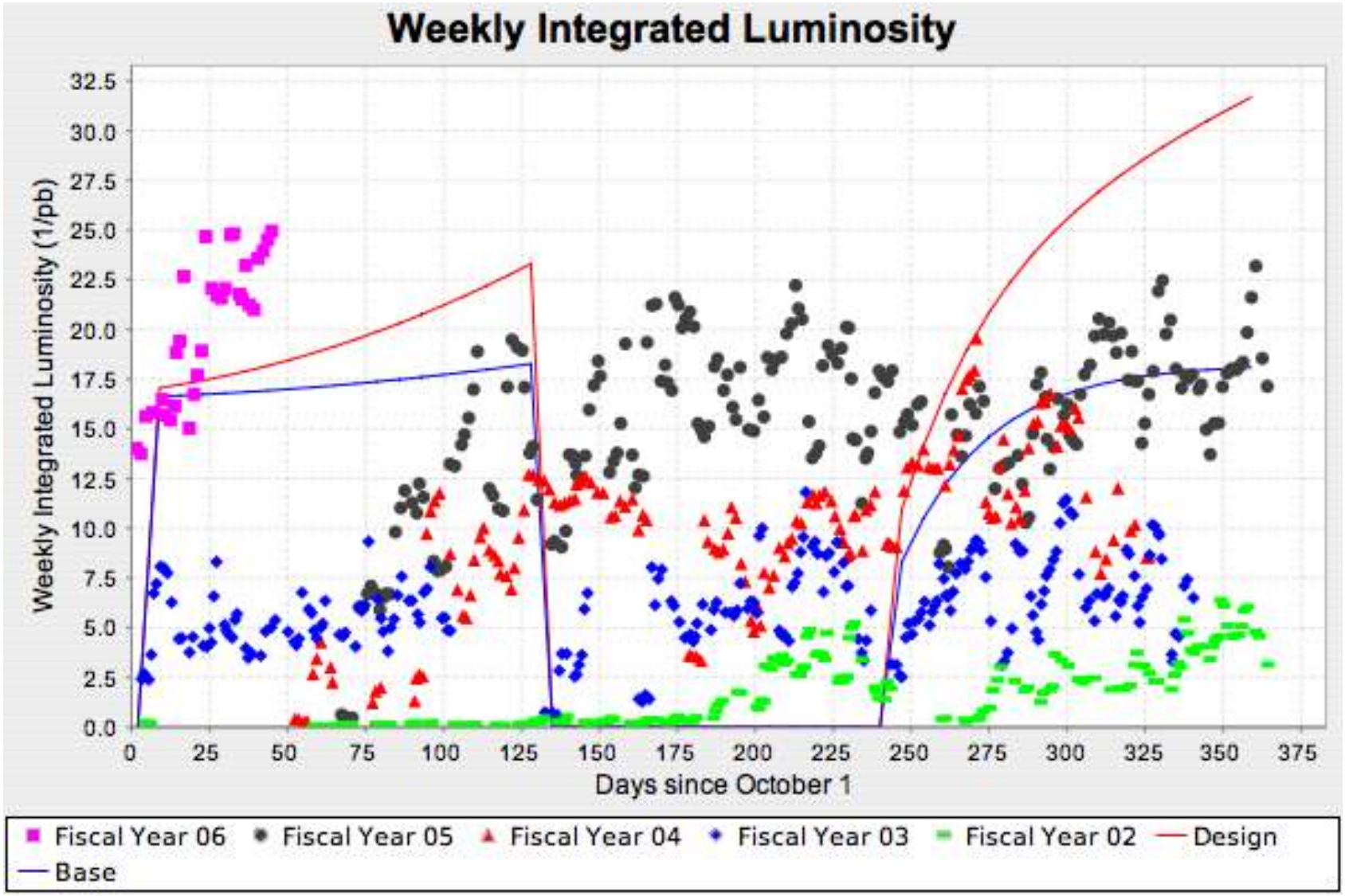



Luminosity vs Pbars
4495
4499
4497
4501
4506
Initial Luminosity 1/¬µb/sec
Available Pbars (e10)
All Shots this week were Recycler-only Shots
Brian Drendel
drendel@fnal.gov
Brian Drendel
drende@fnal.gov
Last 40 Stores
Store 4501
Store 4499
Store 4497
Store 4495
Store 4494
fit of last 40 stores


FY06 Integrated Luminosity
Integrated Luminosity (1/pb)
130
120
110
100
90
80
70
60
50
40
30
20
10
0
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
Fiscal Year 06 Integrated Luminosity
Design
Base


FY06 Integrated Beam to NuMI
Integrated Protons (1e18)
32.5
30.0
27.5
25.0
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
Fiscal Year 06 Integrated Beam to NuMI
Design
Base


FY06 Integrated Beam to MiniBoone
Integrated Protons (1e18)
35.0
32.5
30.0
27.5
25.0
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
Fiscal Year 06 Integrated Beam to MiniBoone
Design
Base


FY06 Peak Luminosity
Peak Luminosity 1/μb/sec
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
Fiscal Year 06 Peak Luminosity
Design
Base

Weekly Integrated for Fiscal Year