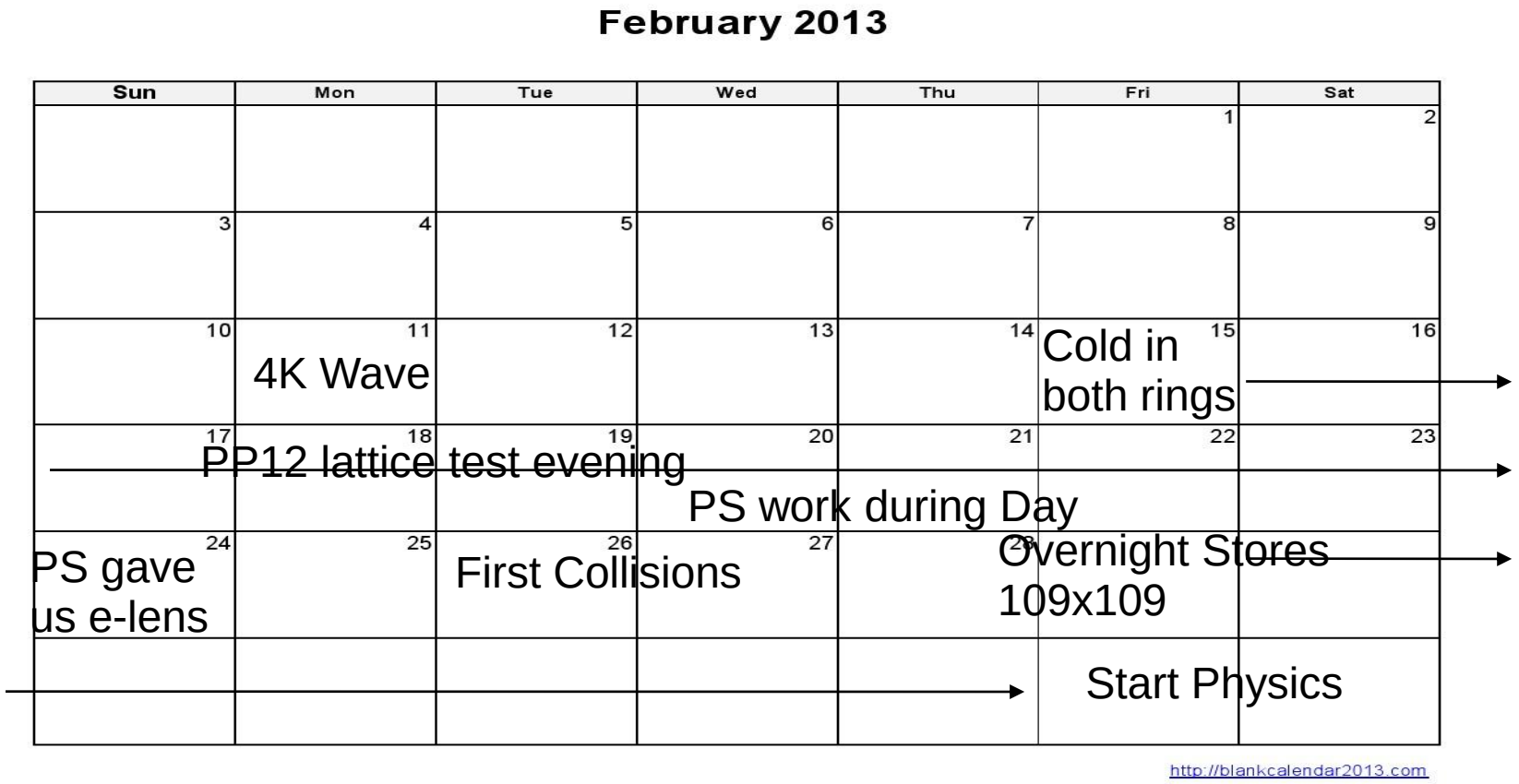
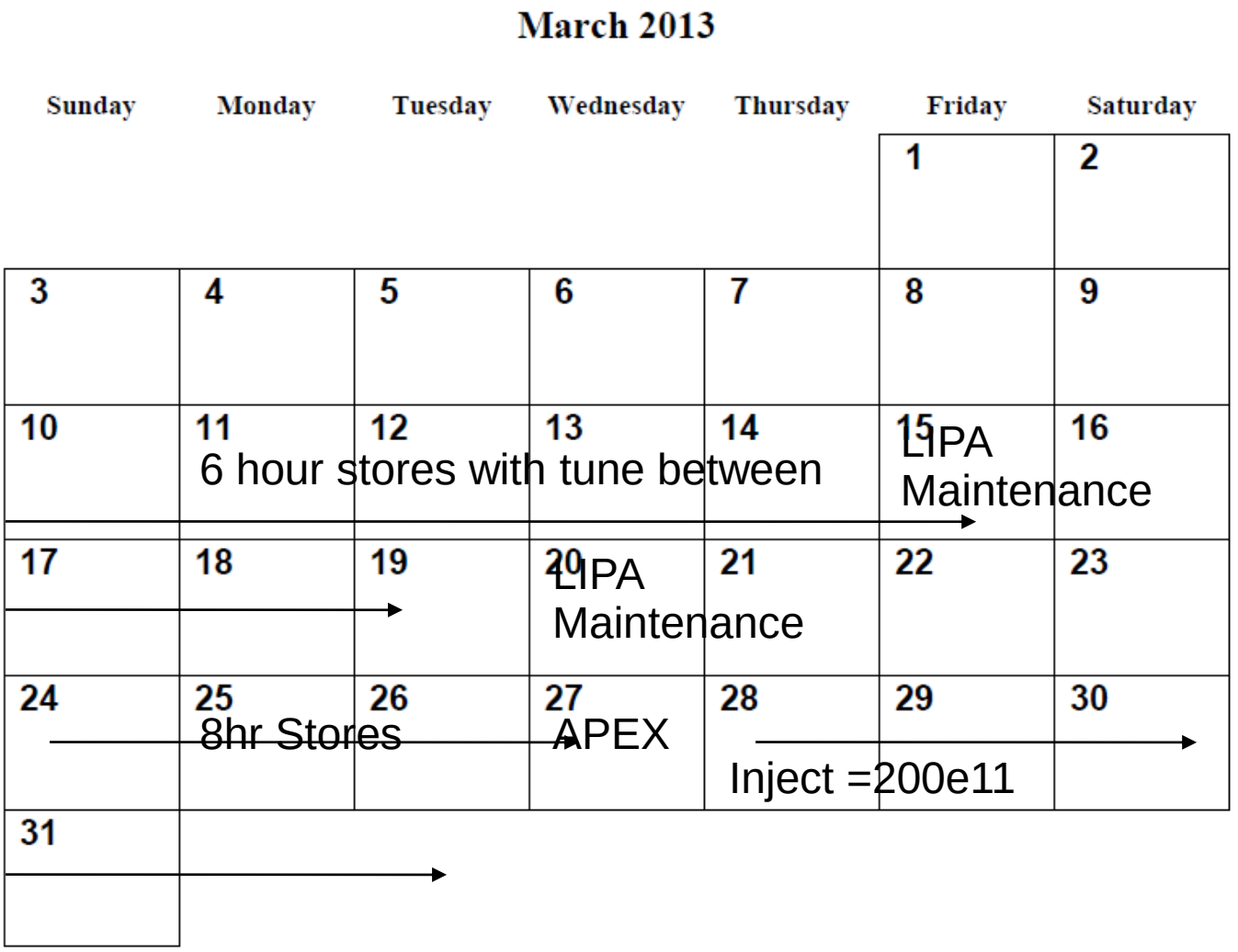
The Story So Far




March 2013
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
6 hour stores with tune between
LIPA
Maintenance
17
18
19
20
21
22
23
LIPA
Maintenance
24
25
26
27
28
29
30
8hr Stores
APEX
Inject =200e11
31

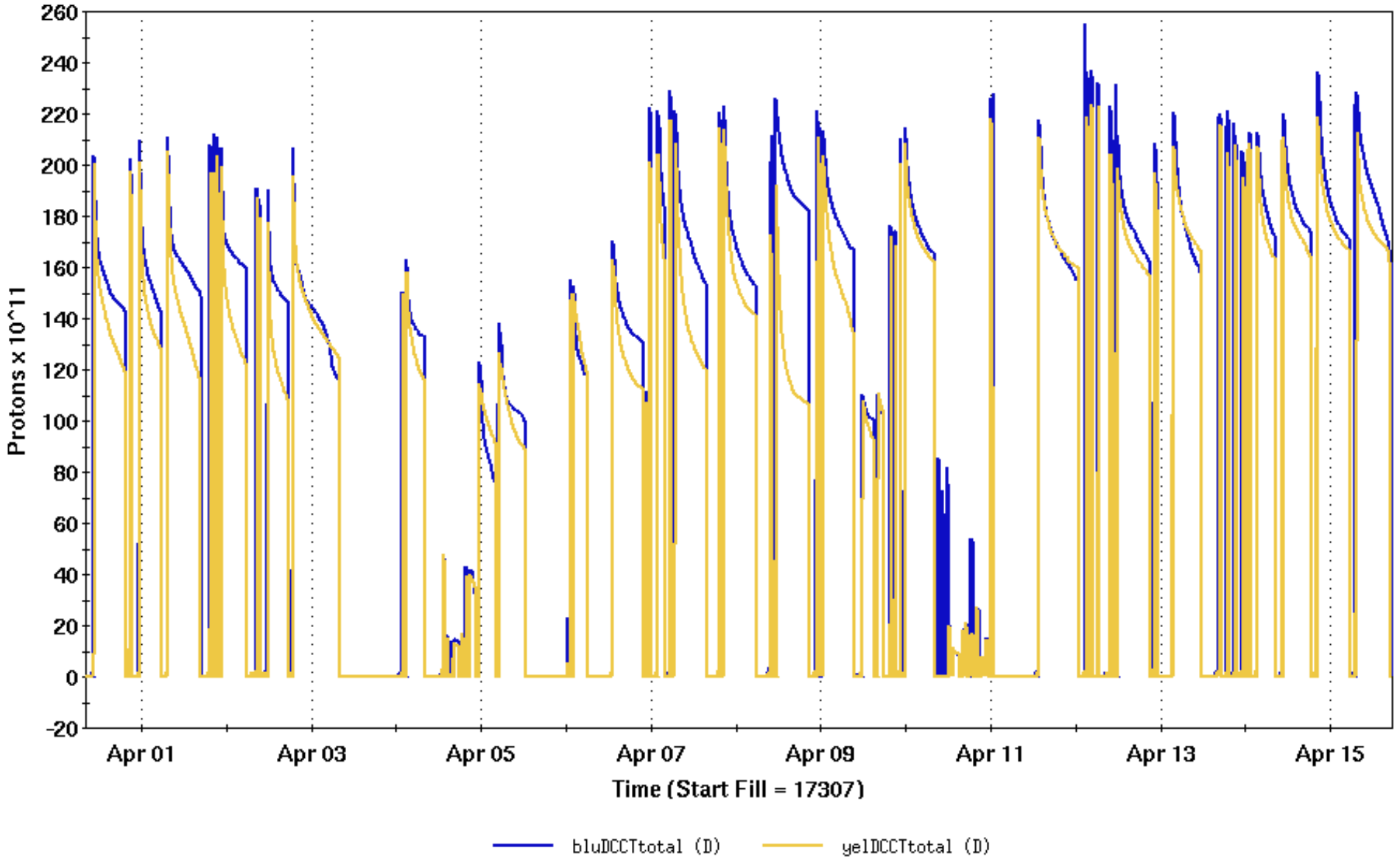
April 2013

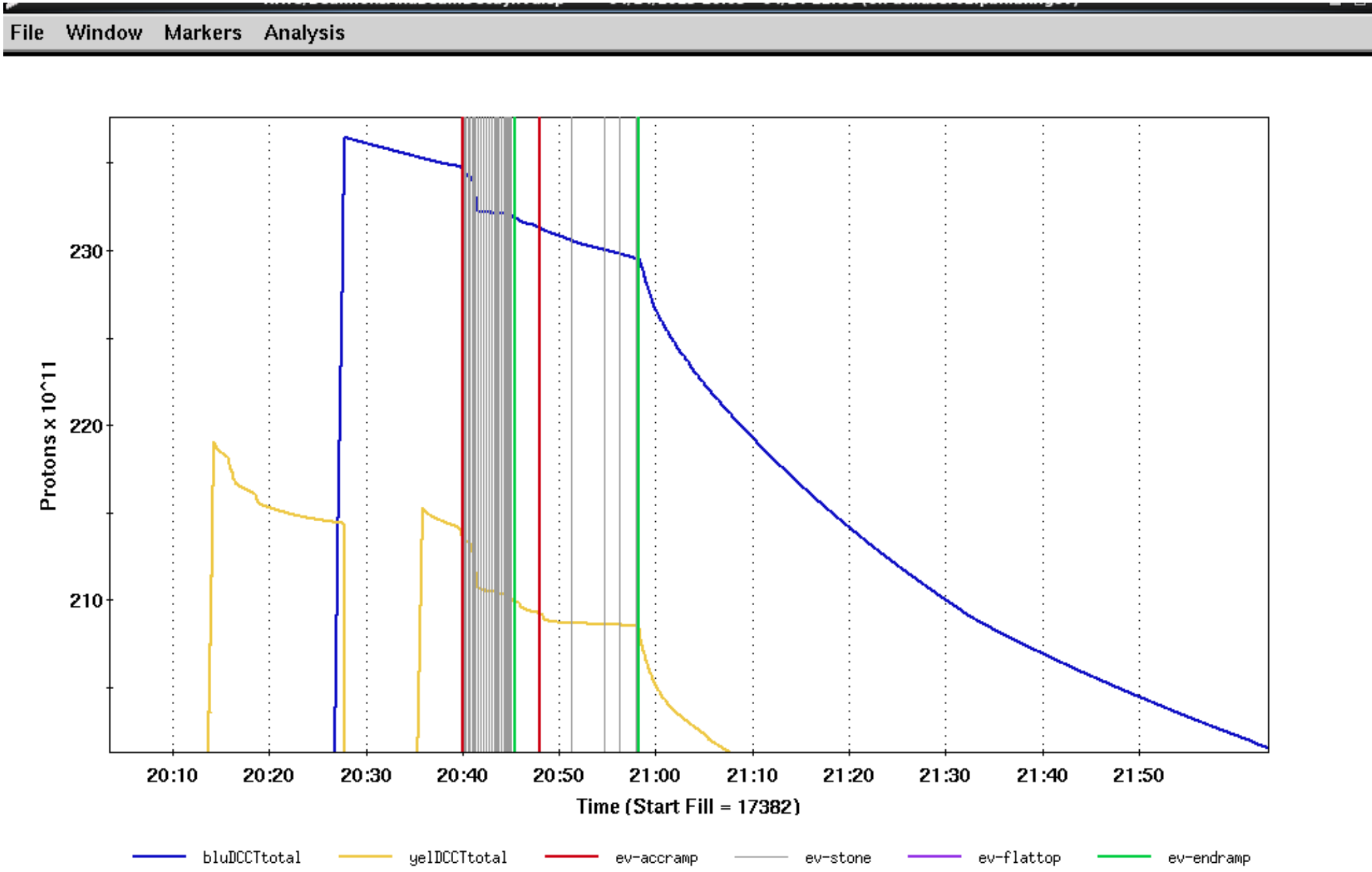
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3 Maintenance	4 Switch Fy12 Lattice	5	6 Pushed Intensity
7 Reach 200e11 At FT	8	9	10 APEX	11 Rotator Tuning	12	13
14	15 MD Studies	16	17 Maintenance	18	19	20
21	22	23	24	25	26	27
28	29	30				

Past week Problems

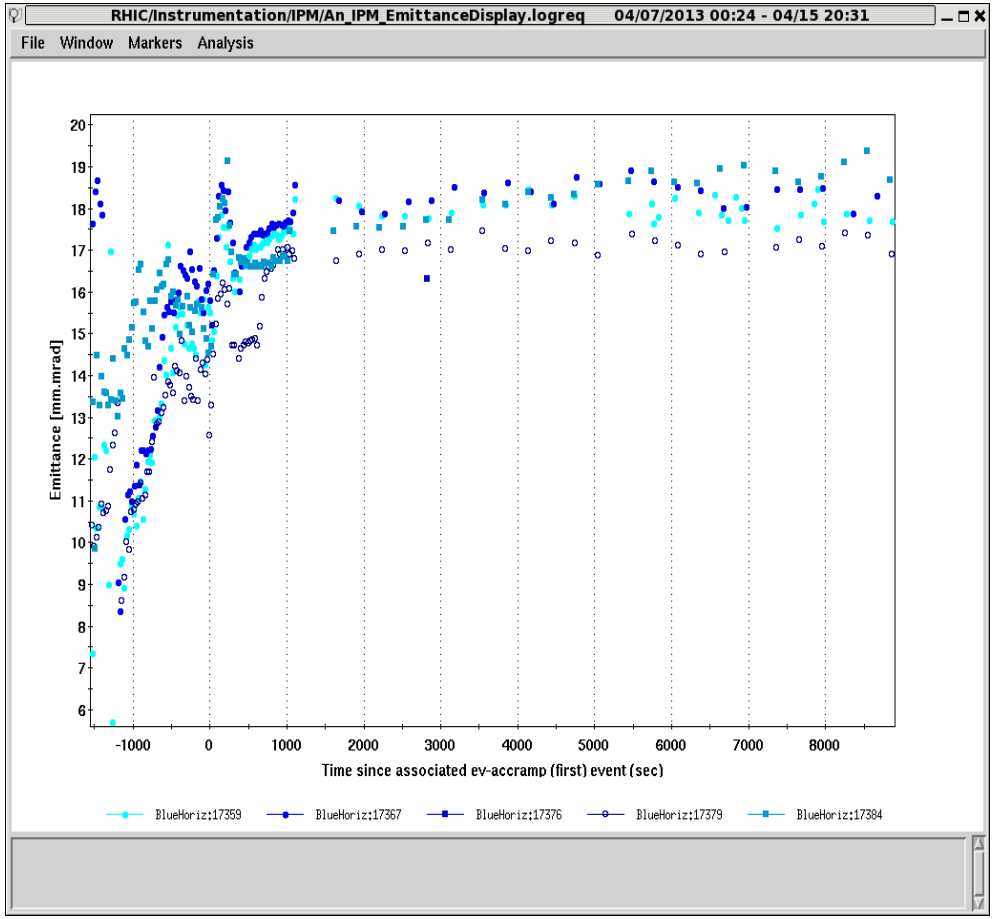
- Several ramps failed on Polarization measurements causing losses
- Blue Polarization lifetime poor after adjusting steering for rotators
- Large emittance: tracking down causes
  - Limited polarization measurements
  - Set target initial emittance and intensities

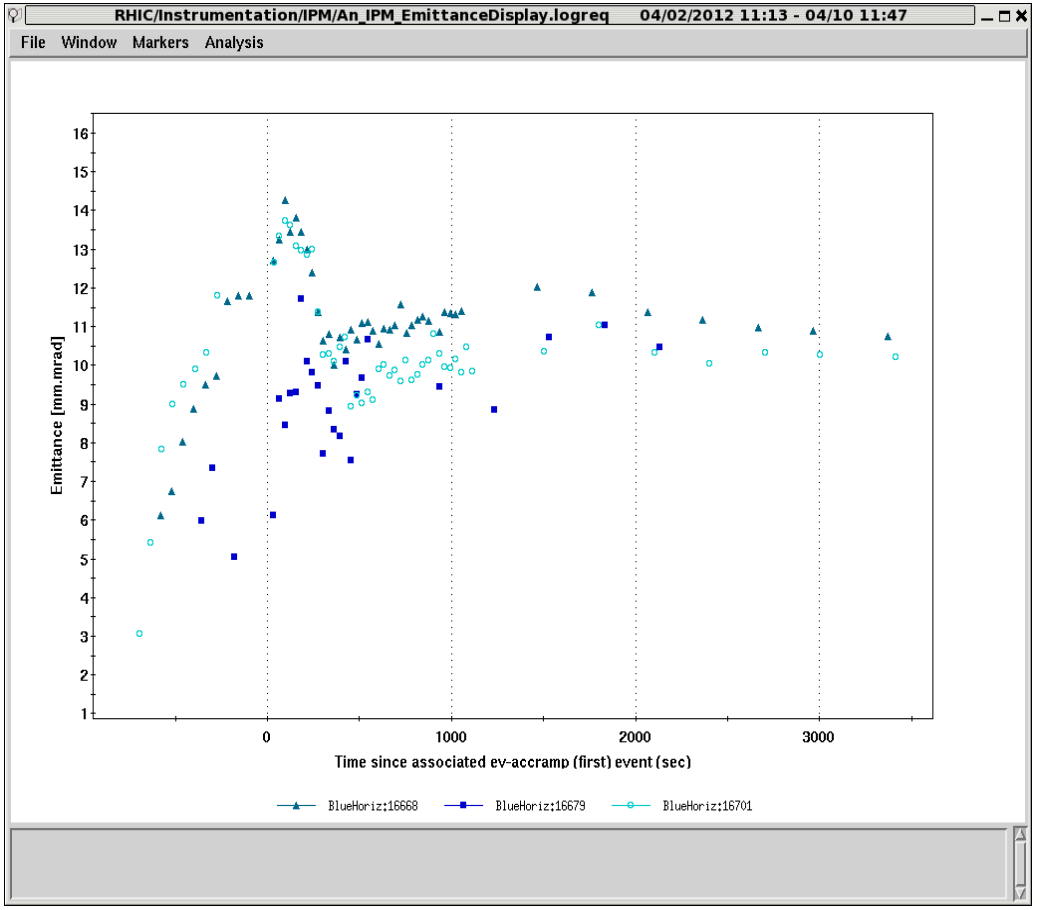
File Window Markers Analysis




File
Window
Markers
Analysis
Protons x 10^11
230
220
210
20:10
20:20
20:30
20:40
20:50
21:00
21:10
21:20
21:30
21:40
21:50
Time (Start Fill = 17382)
bluDCCTtotal
yelDCCTtotal
ev-accramp
ev-stone
ev-flattop
ev-endramp

Blue Horizontal Emittance compare with FY12





Future Plans

- Measure and fix spin tune at store
- Change magnitude and when RF cavities ramp after re-bucketing
- Correct 2/3rd resonance on rotator ramp
  - Improve polarization transmission on rotator ramp