The Story So Far

February 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	4K Wave	12	13		Cold in ¹⁵ both rings	
P	P12 lattice	test eveni	ng PS work	k during D	22 av	23
PS gave ²⁴ us e-lens	25	First Colli		<u> </u>	vernight St 19x109	ores
				•	Start Ph	ysics

http://blankcalendar2013.com

March 2013

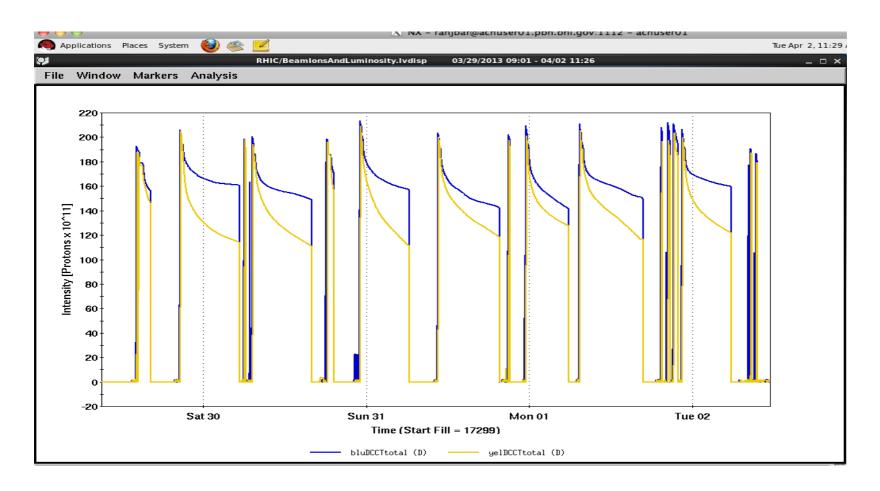
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2
4	5	6	7	8	9
11 6 hour s	12 tores with	13 n tune be	14 tween	19PA Mainter	16 nance
18	19	49 PA Mainten	21 ance	22	23
25 8hr Stor	26 es	27 APEX	28 	29 200e11	30
	<u> </u>		IIIJOOL	200011	
	4 11 6 hour s 18	4 5 11 12 6 hour stores with 18 19	4 5 6 11 12 13 6 hour stores with tune be 18 19 20 PA Mainten 25 26 27	4 5 6 7 11 12 13 14 6 hour stores with tune between 18 19 20 PA 21 Maintenance 25 26 27 APEX	1 5 6 7 8 11 12 13 14 15 PA Mainter 18 19 20 PA 21 22 Maintenance 25 26 27 28 29

Past week Problems

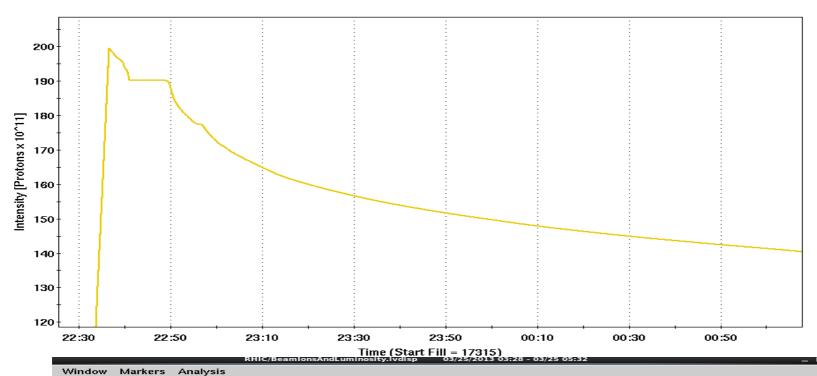
- PS supply issues:
 - Power dips ~ 6 am every morning.
- Loosing beam in yellow on accramp due to tune swing crossing 7/10th
- Eventually went back to below 0.7 for Yellow at injection
- Problems getting through rotator ramp with higher intensity
 - Solved adjusting Yellow tunes on rotator ramp
 - And masking rotator BLMs that were redundant
- Tried tune bump at gg381 and gg422 for Blue went too low
 - Tried 0.6705
- Horizontal tune bump in both rings yellow worked. Blue we had to settle for mini-bump to 0.682 at gg381 and gg422.

Past week's Successes

- Reaching Luminosity records:
 - Getting much more beam to store.



Window Markers Analysis



180 170 ווו מו ע פוומימו ול אופוושיווו 160 150 140 130 03:30 03:40 03:50 04:00 04:10 04:20 04:30 04:40 04:50 05:00 05:10 05:20 05:30 Time (Start Fill = 17273)

— yelDCCTtotal

Future Plans

- Considering revert to FY12 Lattice during Thursday: Decide this at machine meeting today.
 - Come back from Maintenance on Weds put one store up with current lattice then Thursday during day make switch.
 - Two weeks hence during Maintenance swap PS for yellow phase shifters.