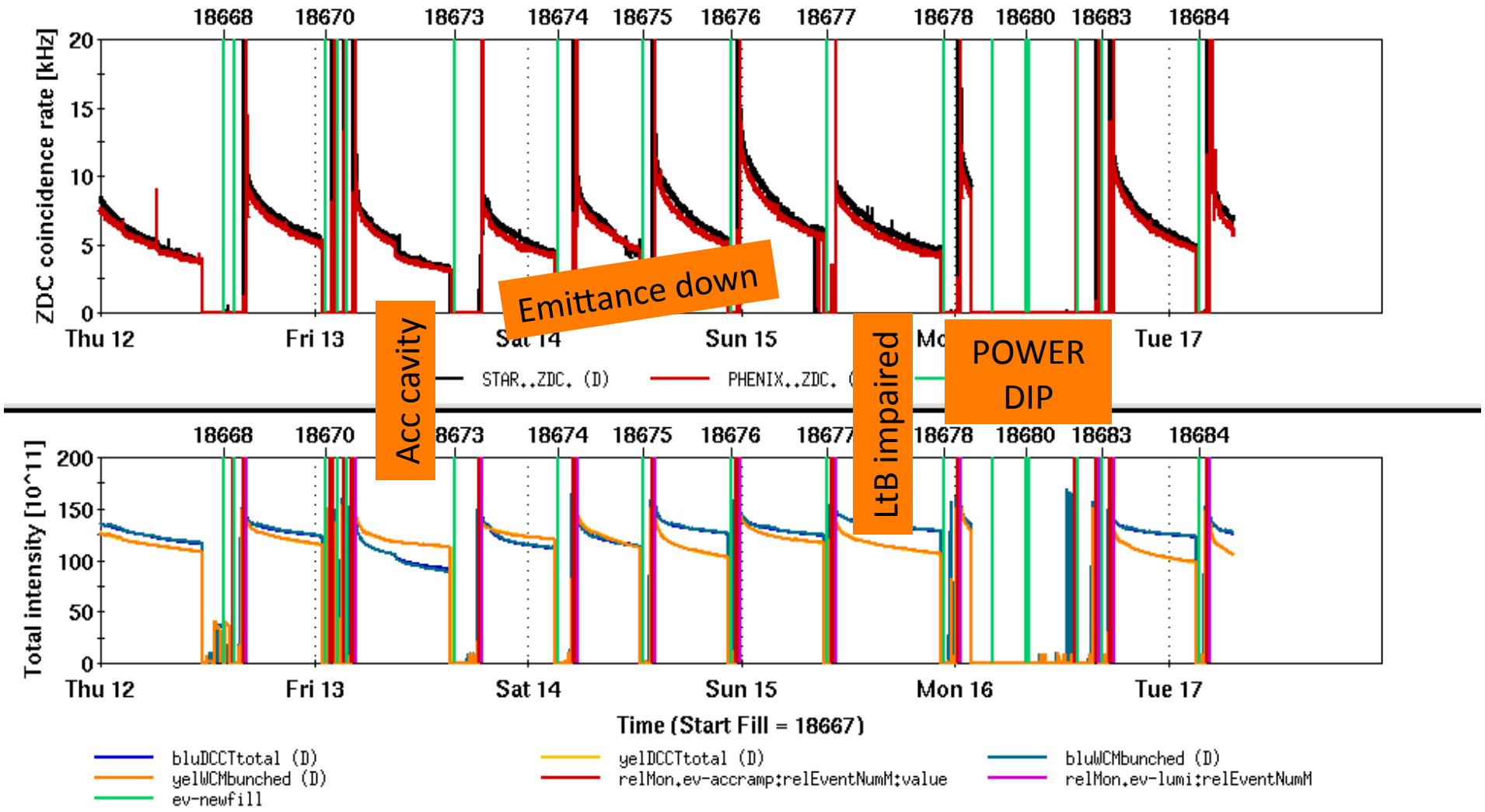
RHIC Status

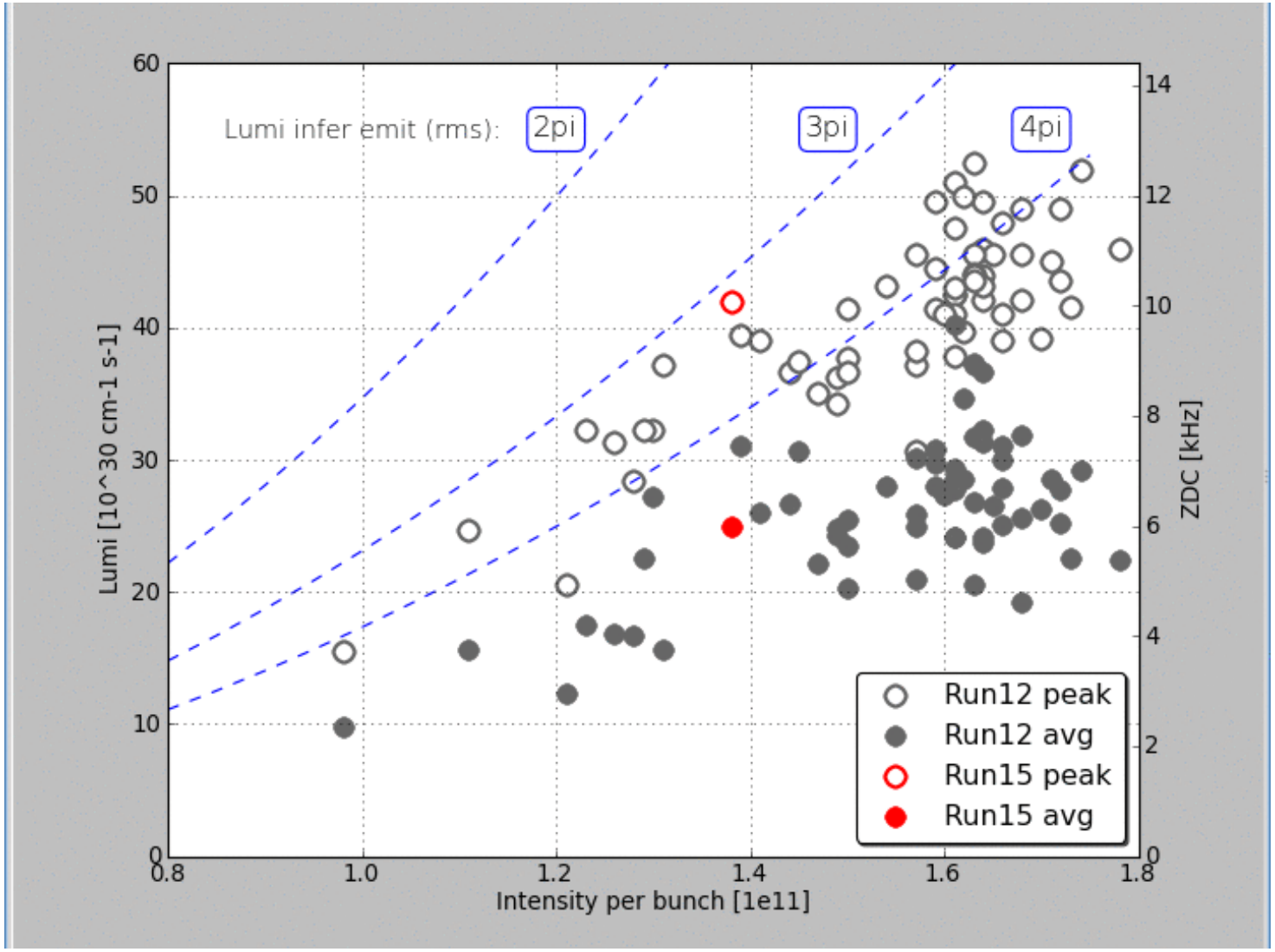
Time meeting
2/17/15

My eyes returned through all the seven spheres
And saw this ~~globe~~ ring in such a way that I
Smiled at its scrawny image: I approve

RHIC Status

- Great lumi progress
  - Injector emittance small relative to Run 13
  - Little emittance growth in RHIC
  - Lumi comparable to Run12 100 GeV
- Regular stores
- Maintenance tomorrow
- Thursday MD for p-A aperture checks
  - Using proton beam
- Ready for e-lens commissioning


18668
18670
18673
18674
18675
18676
18677
18678
18680
18683
18684
ZDC coincidence rate [kHz]
Thu 12
Fri 13
Sat 14
Sun 15
Mo
Tue 17
Emittance down
Acc cavity
LtB impaired
POWER DIP
STAR.,ZDC. (D)
PHENIX.,ZDC.
Total intensity [10^11]
Mon 16
Time (Start Fill = 18667)
bluDCCTtotal (D)
yelWCMbunched (D)
ev-newfill
yelDCCTtotal (D)
relMon.ev-accramp:relEventNumM:value
bluWCMbunched (D)
relMon.ev-lumi:relEventNumM


Lumi infer emit (rms):
2pi
3pi
4pi
Lumi [10^30 cm-1 s-1]
ZDC [kHz]
Intensity per bunch [1e11]
Run12 peak
Run12 avg
Run15 peak
Run15 avg
0
10
20
30
40
50
60
0
2
4
6
8
10
12
14
0.8
1.0
1.2
1.4
1.6
1.8