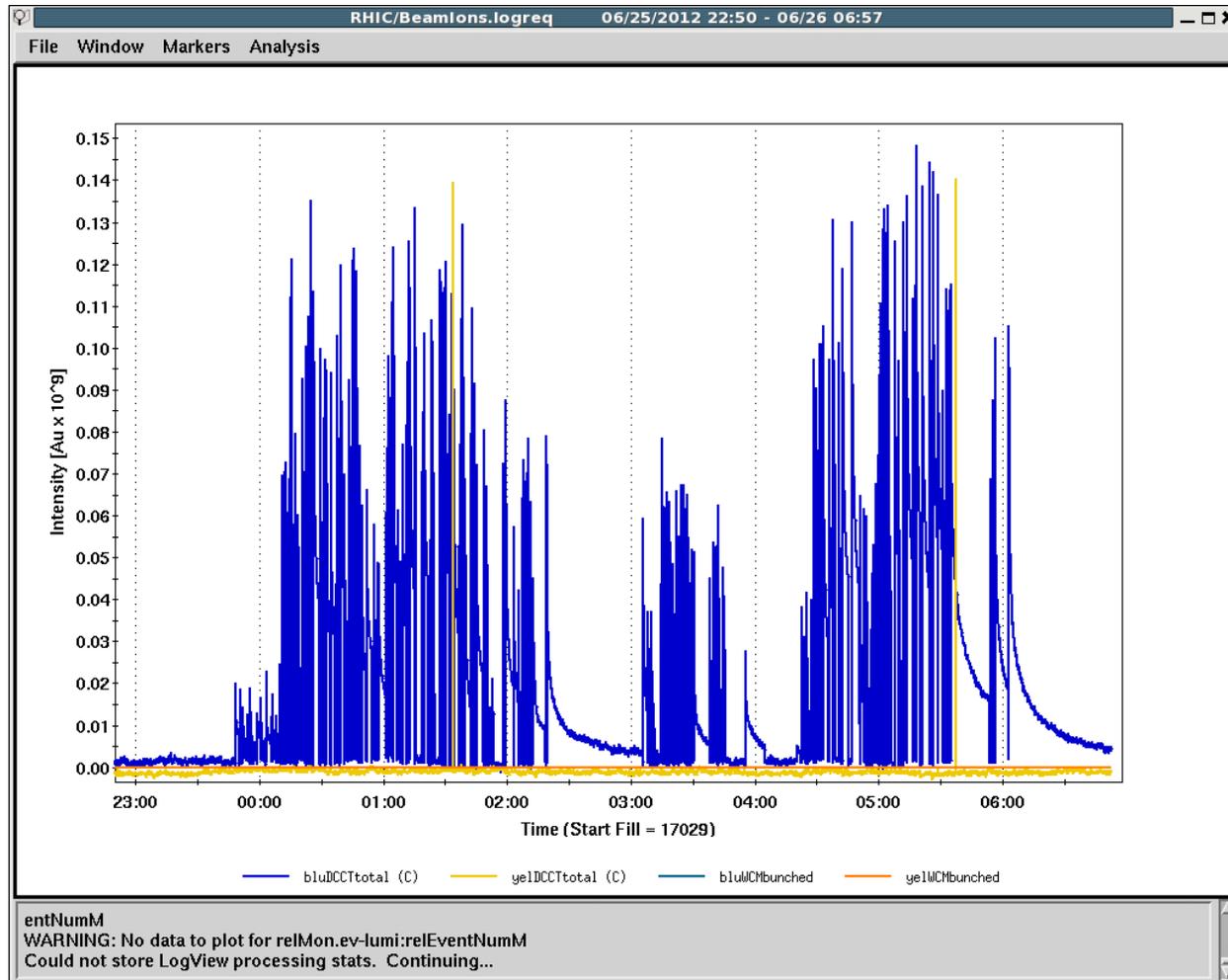


5 GeV Test Run

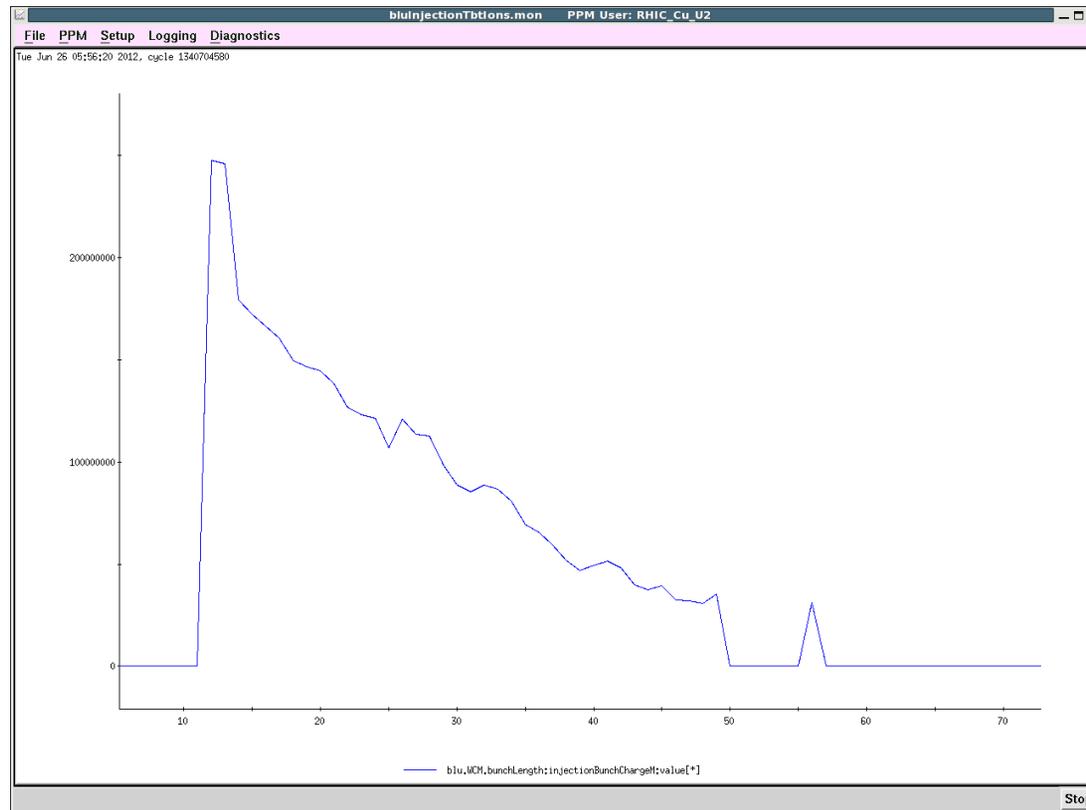
RHIC status, 06/26/2012

- Beam activities started around 15:00 yesterday
- First circulating beam in Blue at 19:45
- 3 h downtime due to NSRL beam plug stuck in “middle” position
- $1.5e8$ in Blue, circulating for 30 minutes
- No beam seen in Yellow yet, only loss monitors at IP 2

Blue beam activity during owl shift



Blue BPM signal vs. turn number



Beam debunches within 60 turns

Need RF capture to improve orbit control

- QLI in Blue around 11 AM; intensity reduced by factor 2 afterwards
- Haven't learned anything beyond what we knew since 2010 yet
- Chromaticity doesn't matter much yet
- Need RF capture to make real progress
- Minimum goal: captured beam in one (Blue) ring

Plan

- Get Yellow BPMs to work - need more intensity from AtR
- **RF capture in Blue**, Yellow injection in parallel
- Orbits, tunes, chromaticity...