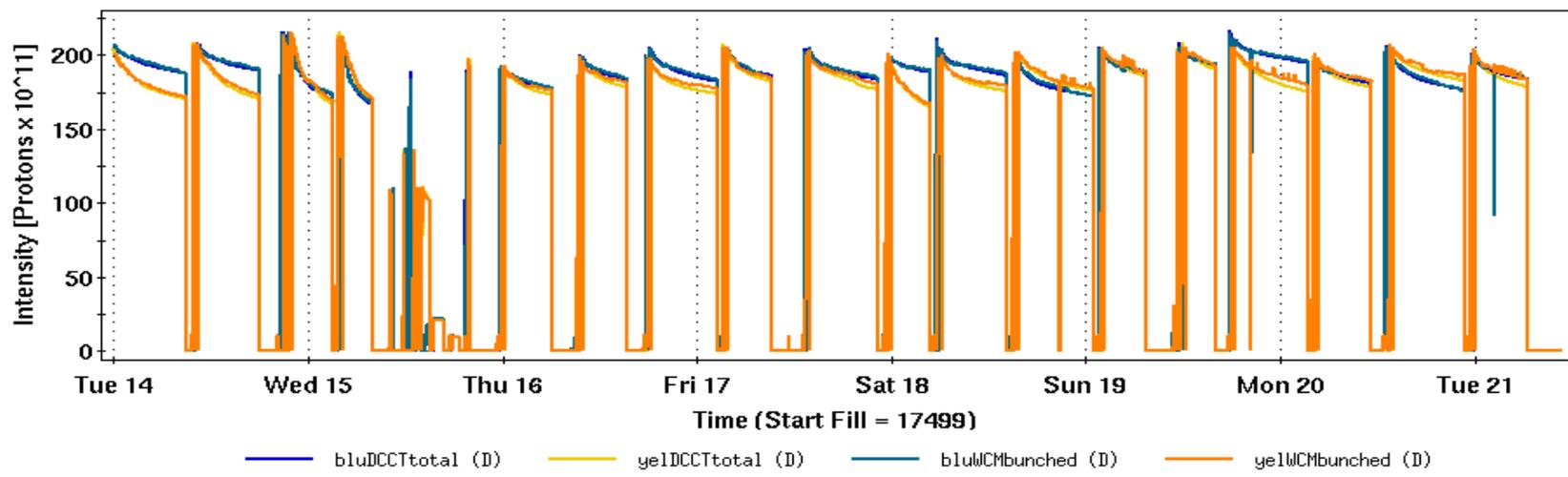
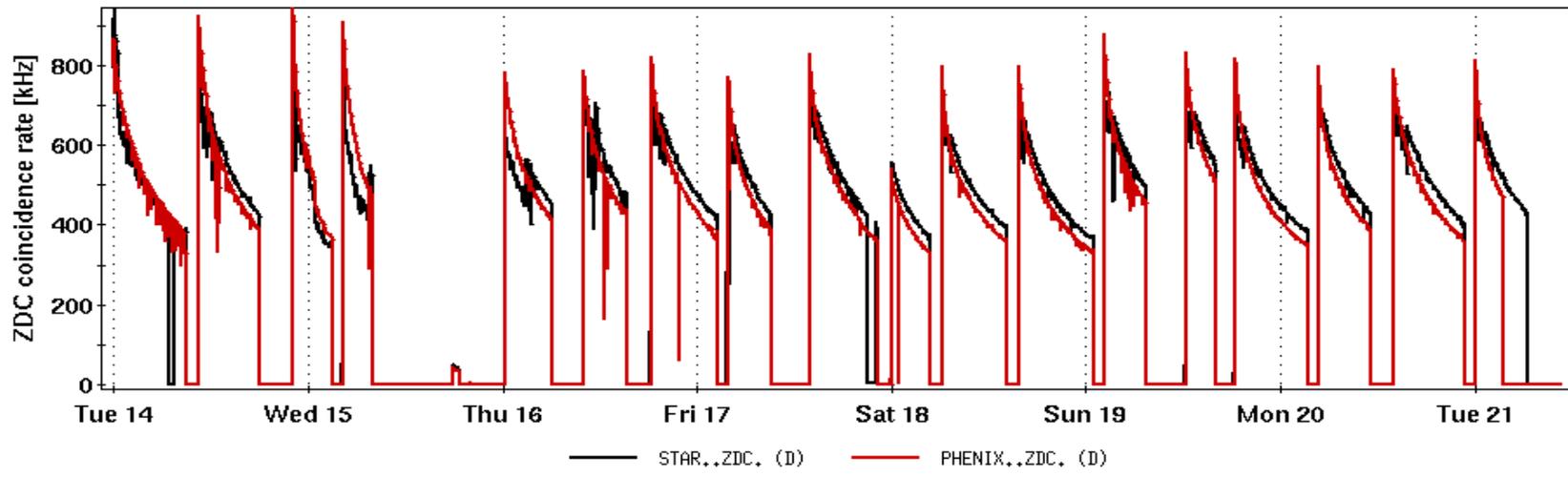


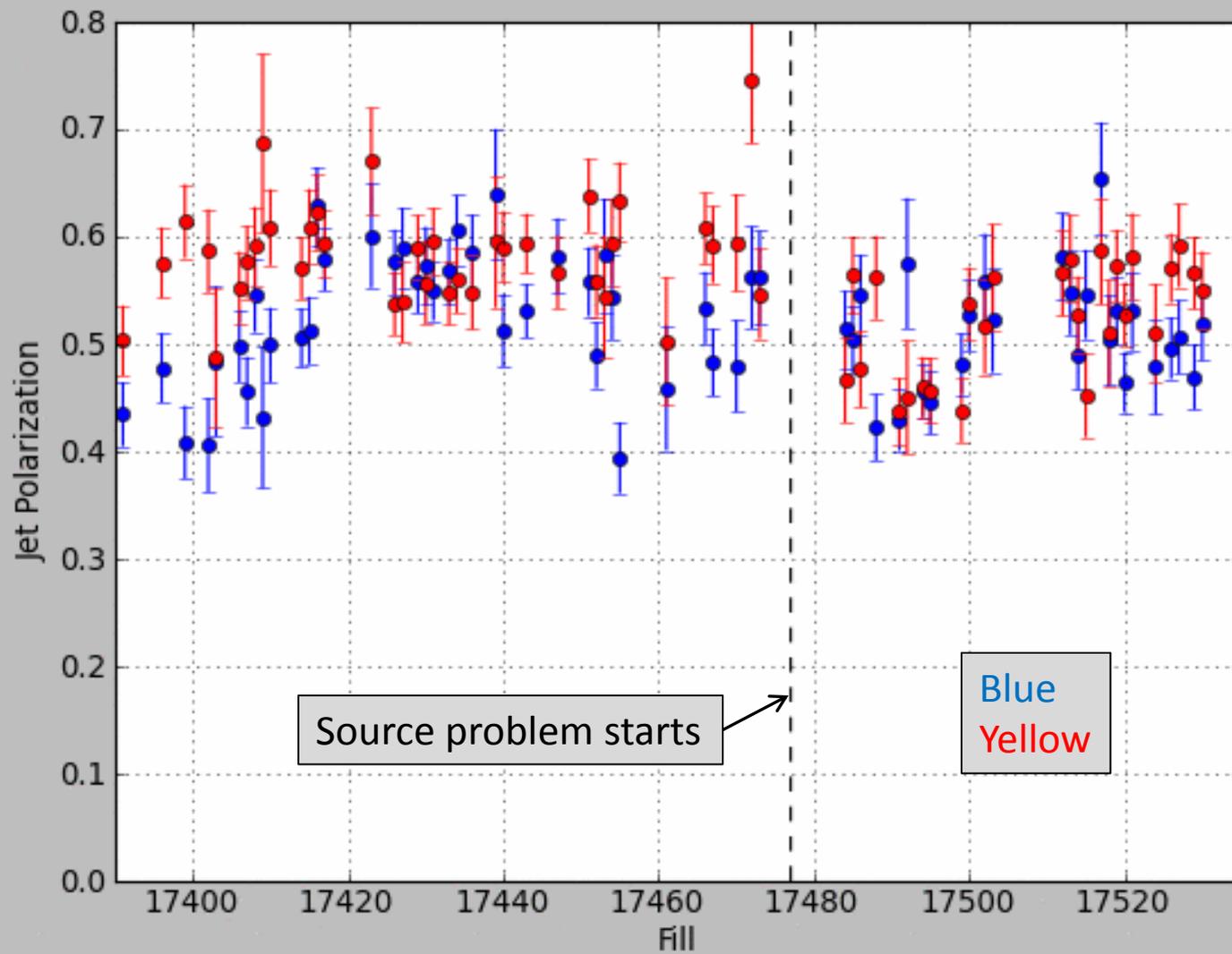
# RHIC Status

## Time Meeting 5/21/31

- Store configuration:  $1.8e11$ /bunch at lower vertical store tune
  - Decreases luminosity from the run peak, but lower vertical store tune is necessary to maintain polarization
  - Yellow emittance still subject to growth at these tunes
- Polarization in yellow is in the high 50's, blue in the low 50's since the source repair
  - Some indication that blue problem is at store. Will try an (even lower)  $Q_y$  in blue
    - There is no emittance blowup in blue to date
- Store orbit control converging on a solution
- Dump quenches
- Reliability: Many stores (about half) taken out by variety of failures at 3-5 hours.
  
- Thursday: Machine development, continue longitudinal stability threshold studies, periodic transient beam loading code test

### Experimental Coincidence Signals





# RHIC Run-13 delivered luminosity - $p^+p^+$ $\sqrt{s} = 510$ GeV

