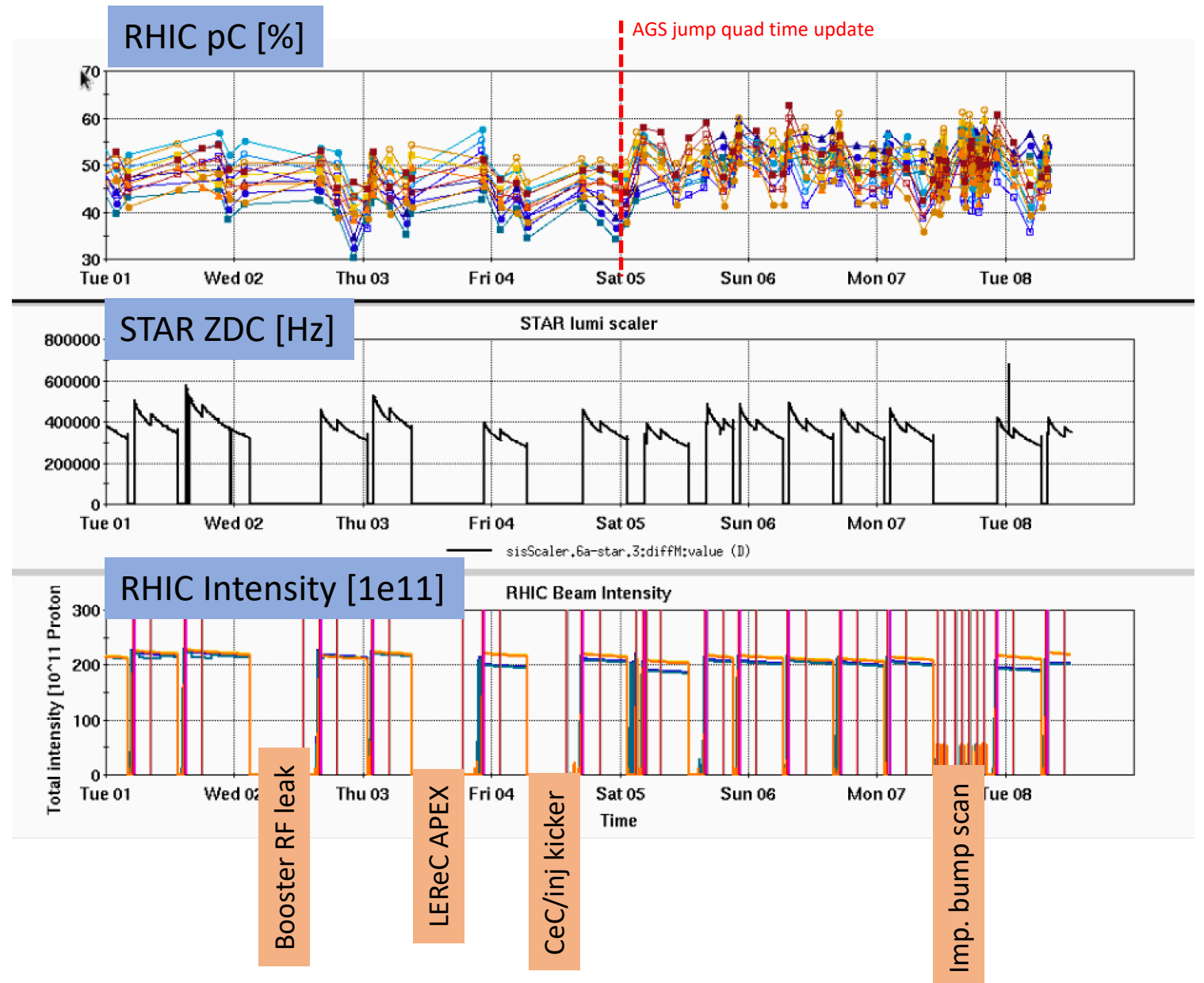


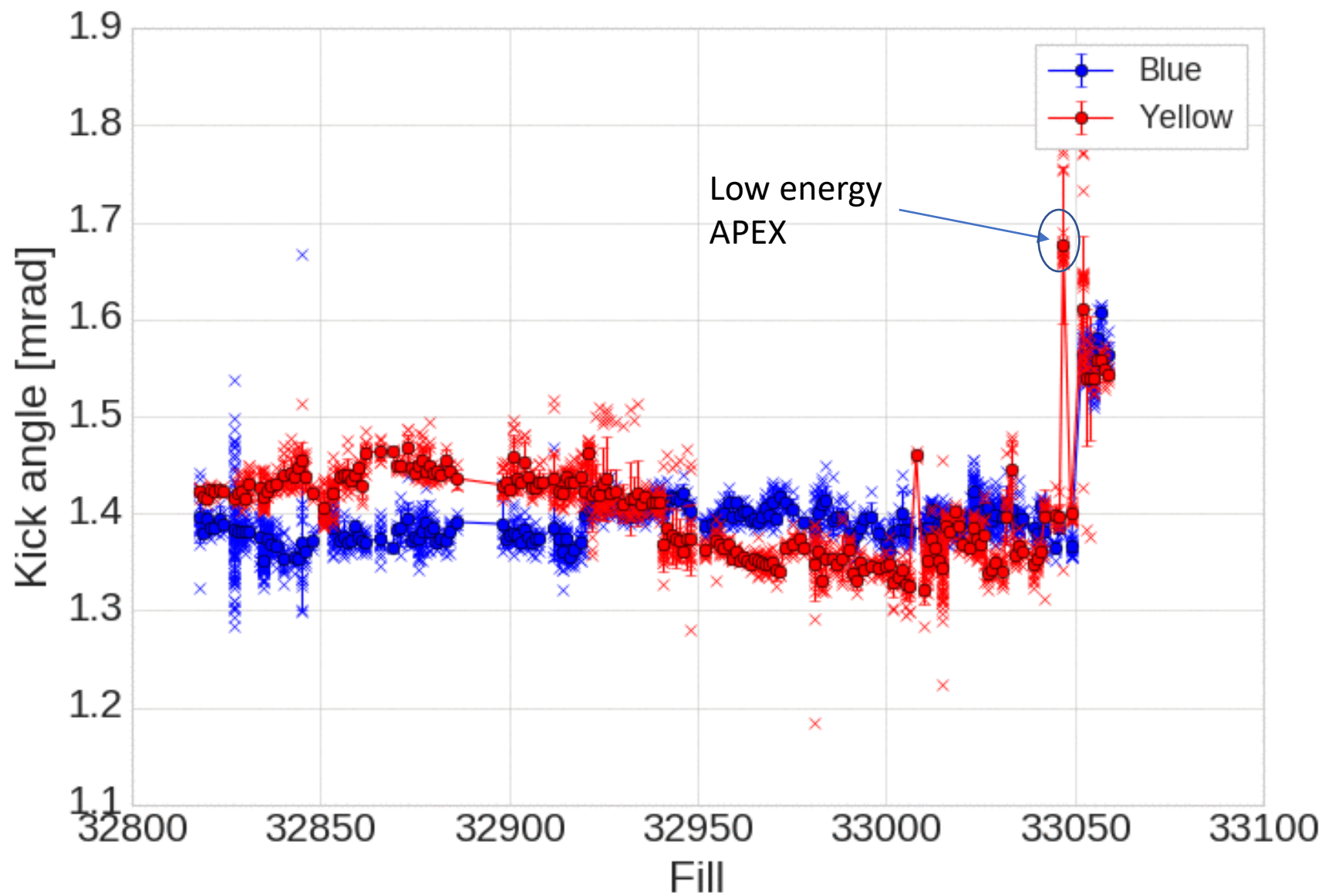
RHIC Run 22 Run Status

2/8/2022, V. Schoefer

- Injection kicker 'low kick' problem solved
 - Incorrect terminating resistors installed (40 Ohm instead of 25 Ohm)
 - Kick angle consistently ~ 1.55 mrad (similar to Run 17)
- AGS jump quad timing drifted
 - New times generated 2/5
 - Late acceleration energy looks shifted
 - Times were only ~ 2 weeks old, source of drift unclear
- Imperfection bump scan yesterday
 - Targeted closed orbit distortion to improve polarization transmission through the RHIC ramp



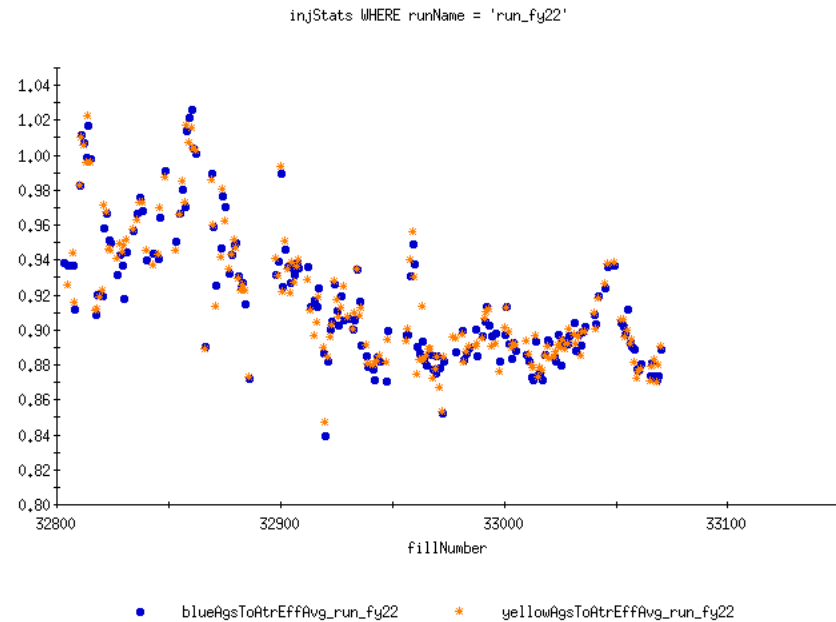
Injection Kicker Angle from TBT orbit



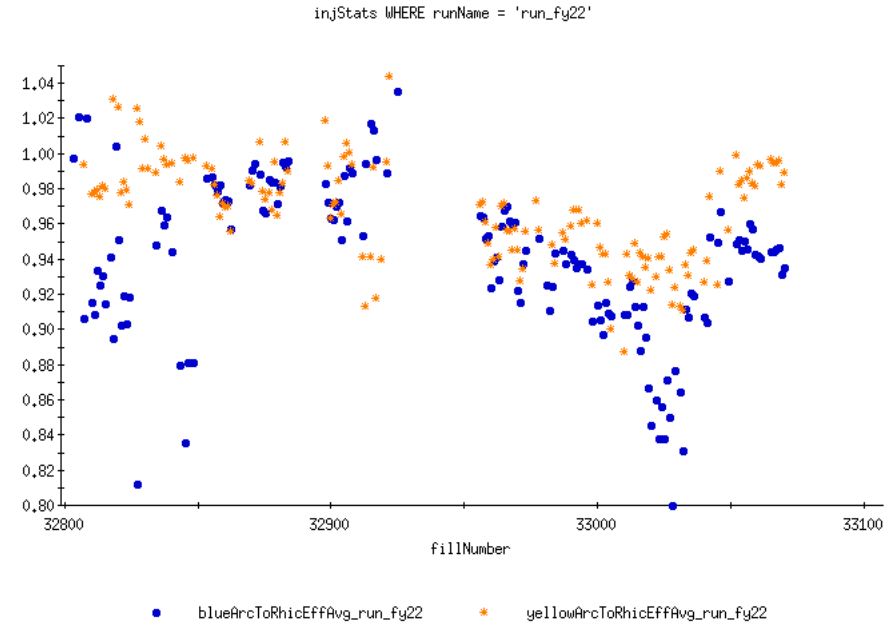
AGS to RHIC Intensity Transfer

- X/Y arc to RHIC improved in level and stability since injection kicker resistor change (blue needs work)
- AGS to U is still low: working on understanding current transformer calibrations/saturation and possibility of real loss

AGS to U-line Efficiency

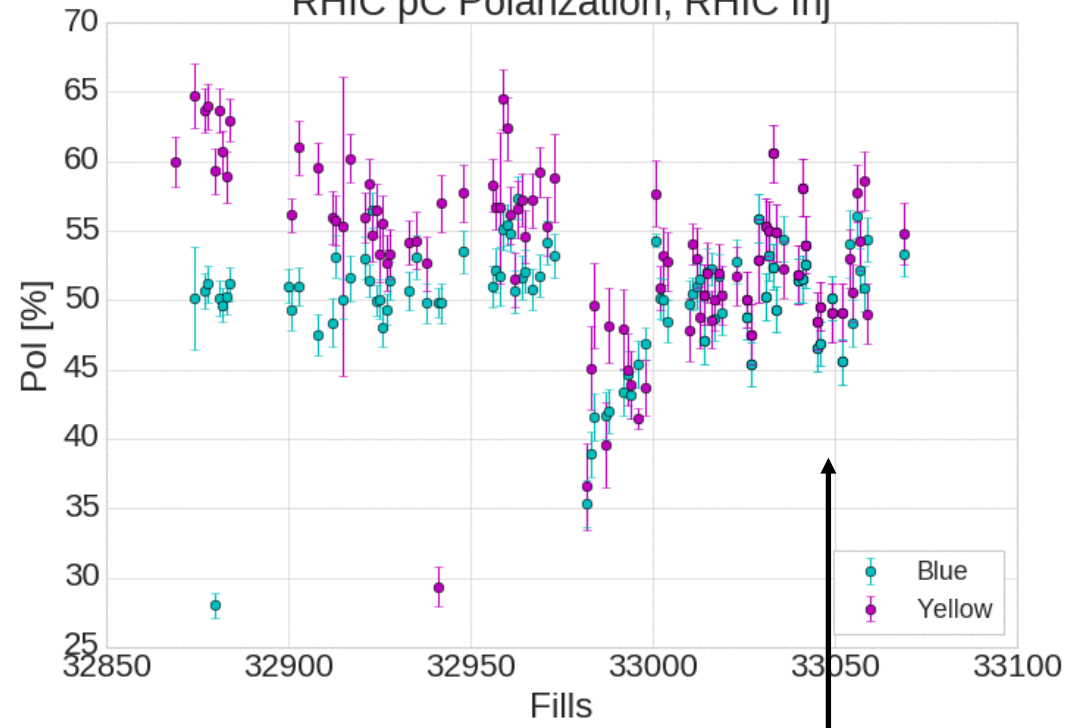


X/Y arc to Efficiency

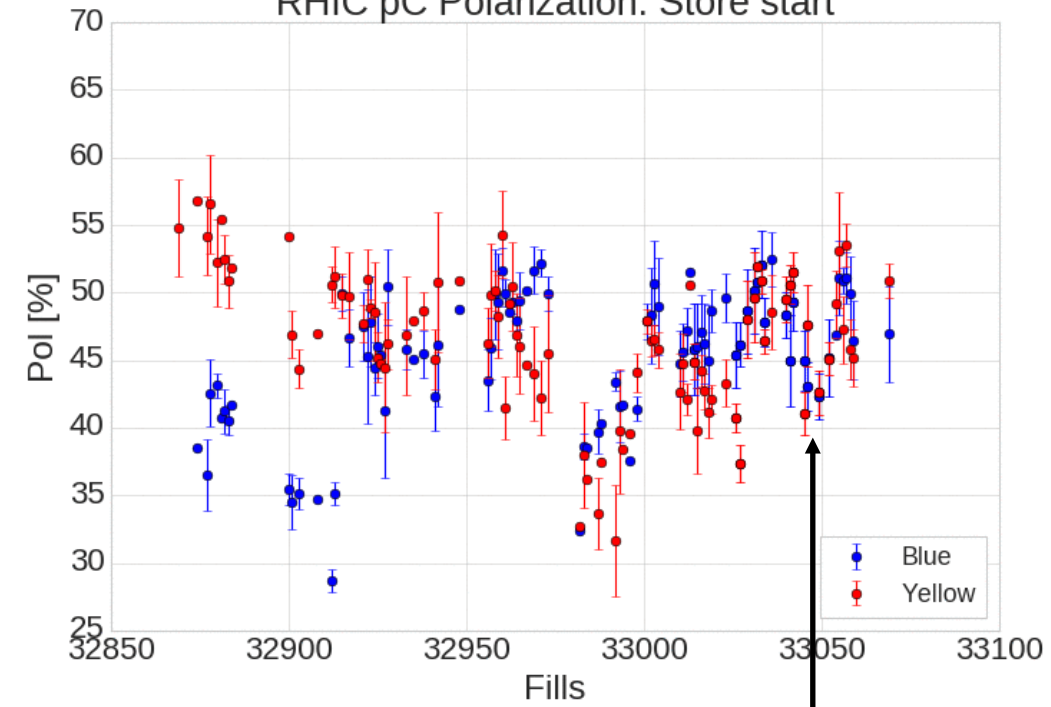


RHIC pC polarizations

RHIC pC Polarization, RHIC Inj



RHIC pC Polarization: Store start



Polarization decrease fixed with JQ retiming
Still analyzing what caused the shift