

RHIC Operation Status

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Operation Updates

RHIC was running well in the past week. AGS bunch merging was successfully set up on Friday. Great thanks to Kevin S. and the LLRF team for their hard working over the weekend.

Main issues:

Wednesday [LIPA work in Booster and Maintenance](#)

Back to Physics Store late due to
sextupole not trained & LLRF ATR sychro

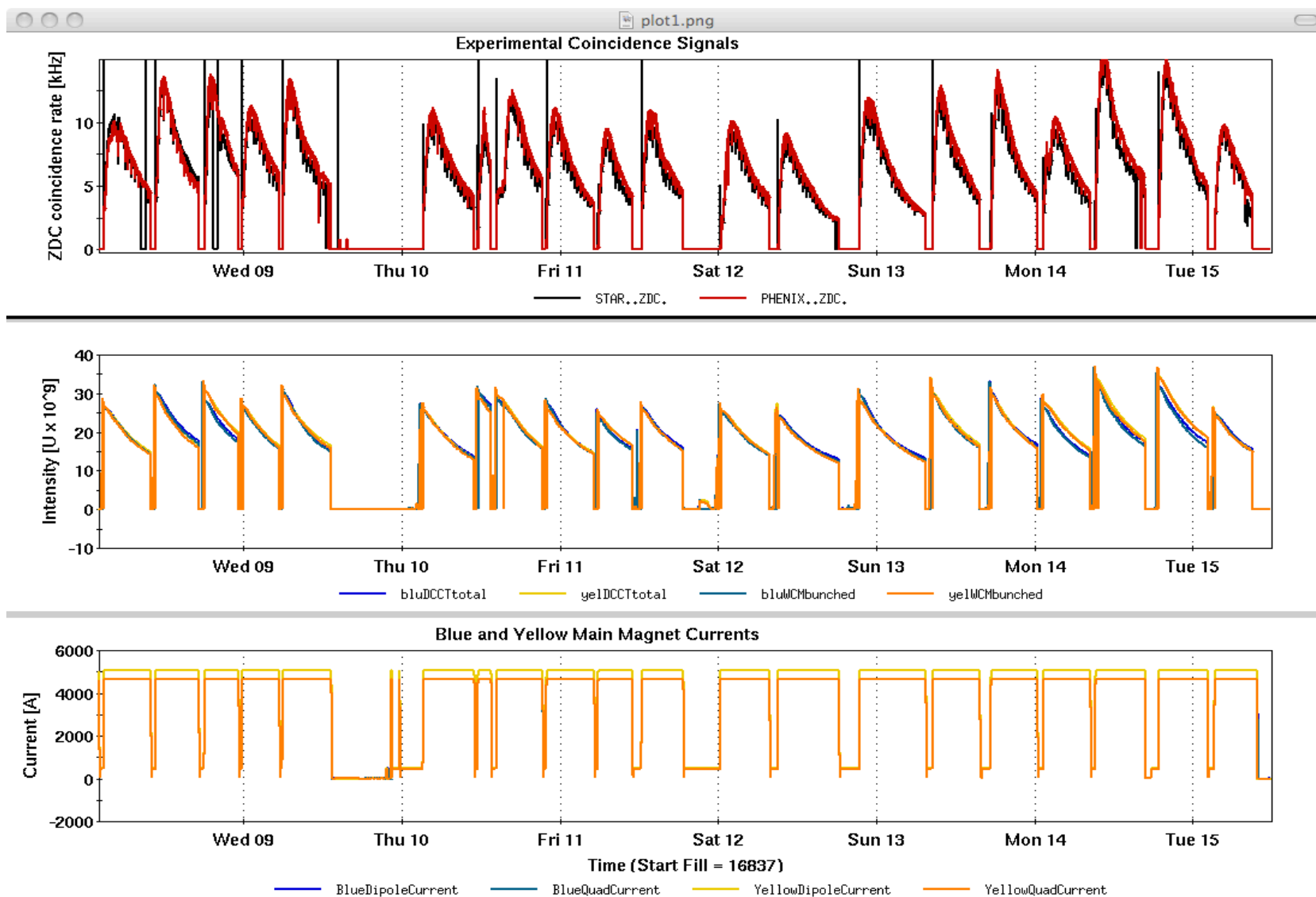
Thursday [Cooling group testing in two stores](#)

re-bucketing on late after bunch length cooled down.
The goal is to eliminate the Satellite bunches.

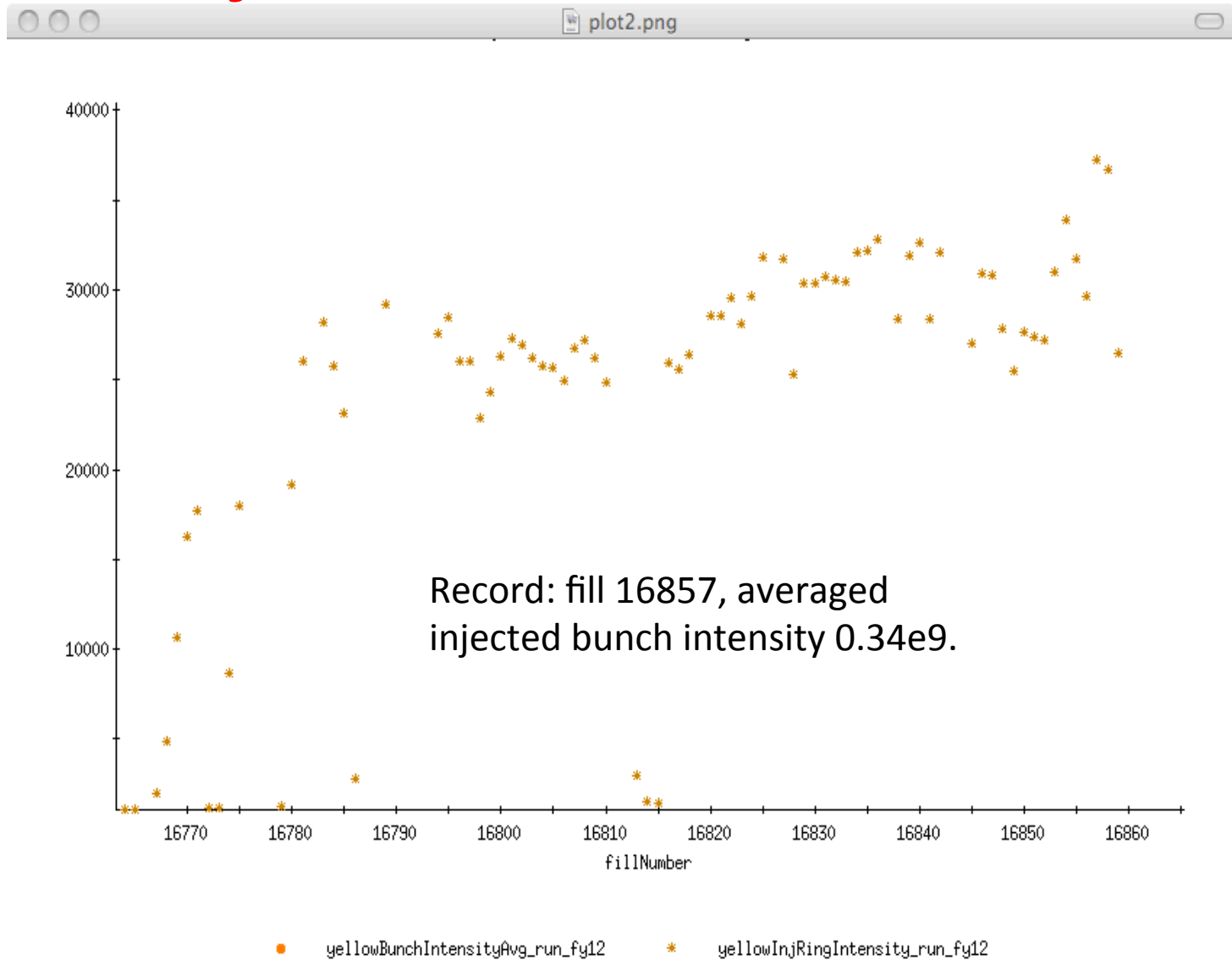
Friday [LLRF work on bunch merging in AGS](#)

Delay 5 hours due to unexpected issues

Beam Intensities & Experiment Rates



RHIC Injection Bunch Intensities



Switching to Cu-Au Run

	TUE	WED	THU	FRI
OWL	Last fill of U Replace U source Last store of U	Au from EBIS Setup Booster/AGS/ ATR for Au beam	Fast Ramp Development	First overnight store for detector setup
DAY	Switch to Cu-Au Control setup PS/ RF work May no access	Au RF work Au beam injection Au beam circulating	Re-bucketing Store tuning Beam lifetime	Fine tune ramp/store Optics etc.
EVE	Cu beam injection Cu beam circulating Cu RF Capture	Au RF capture Instru. Setup RF loops for ramp feedbacks for ramp	Store tuning Collimation Background Orbit capture	physics stores begin