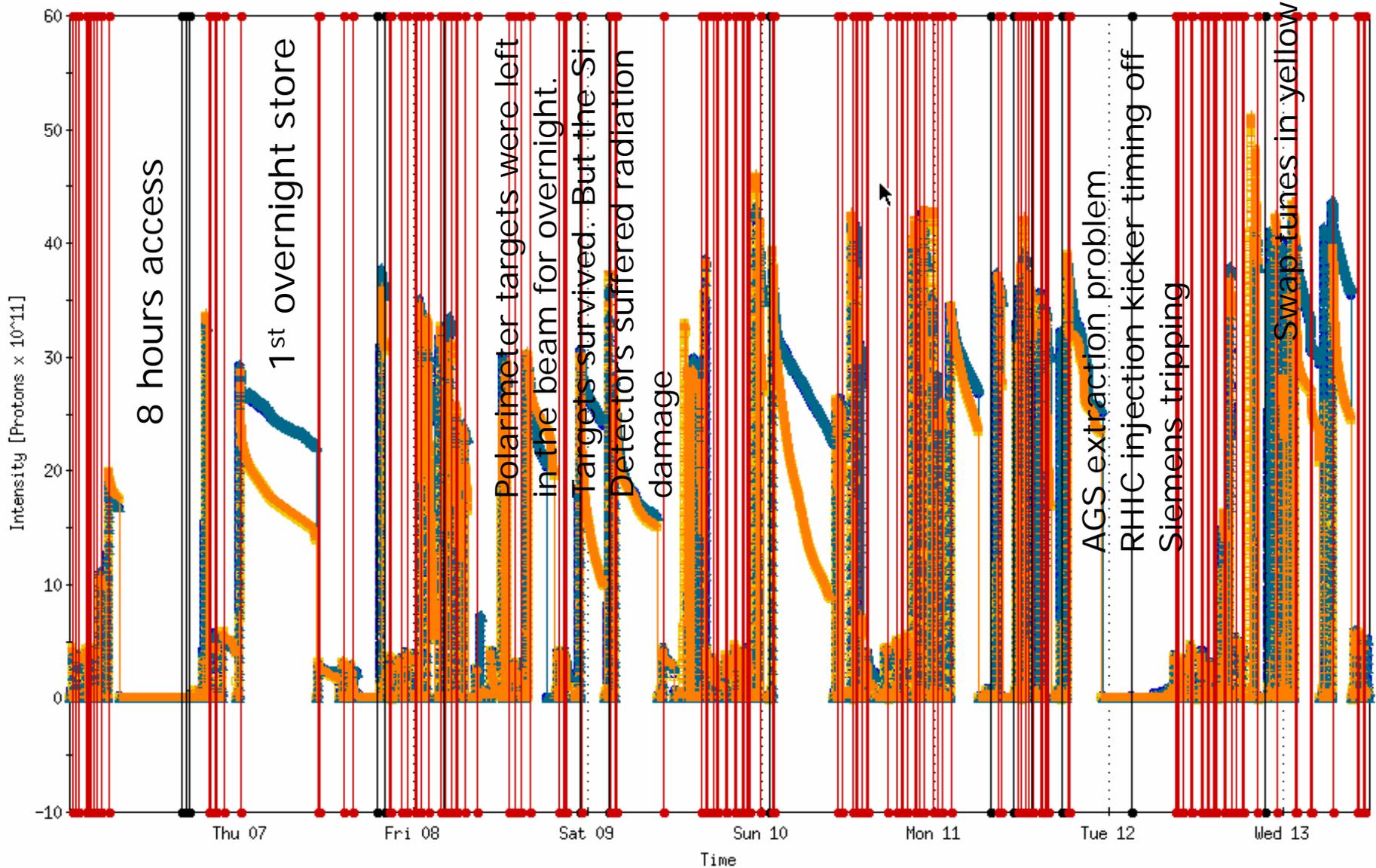


RHIC pp Status

<http://www.agsrhichome.bnl.gov/AP/Spin2005/>



bluDCCTtotal16748;20
 ye1DCCTtotal16748;21

relMon.ev-accramp;relEventNumM:value6748

bluWCMbunched6748;22
 relMon.ev-stone;relEventNumM6748

April 13, 2005

CAD Time Meeting
 BNL, Upton

Progress and Status

- Energy ramp: pp21
 - Beam transmission efficiency: >90% both rings
 - Polarization transmission efficiency: based on FY04 calibration
 - Blue: ~85%
 - Yellow: [polarization ramp measurement](#)
 - ~50% before tune swapping
 - ~65% after tune swapping. This is still under development
- Rotator ramp: rot3
 - Beam transmission efficiency: ~85%
 - [Polarization efficiency](#): ~100%
- [Snake current scans](#) at injection confirmed that the current snake currents in both blue and yellow are optimized
- [Started to provide overnight stores from April 7](#)
 - Local polarimeters are ready
 - Jet setup
- Replaced yellow CNI polarimeter targets on April 6

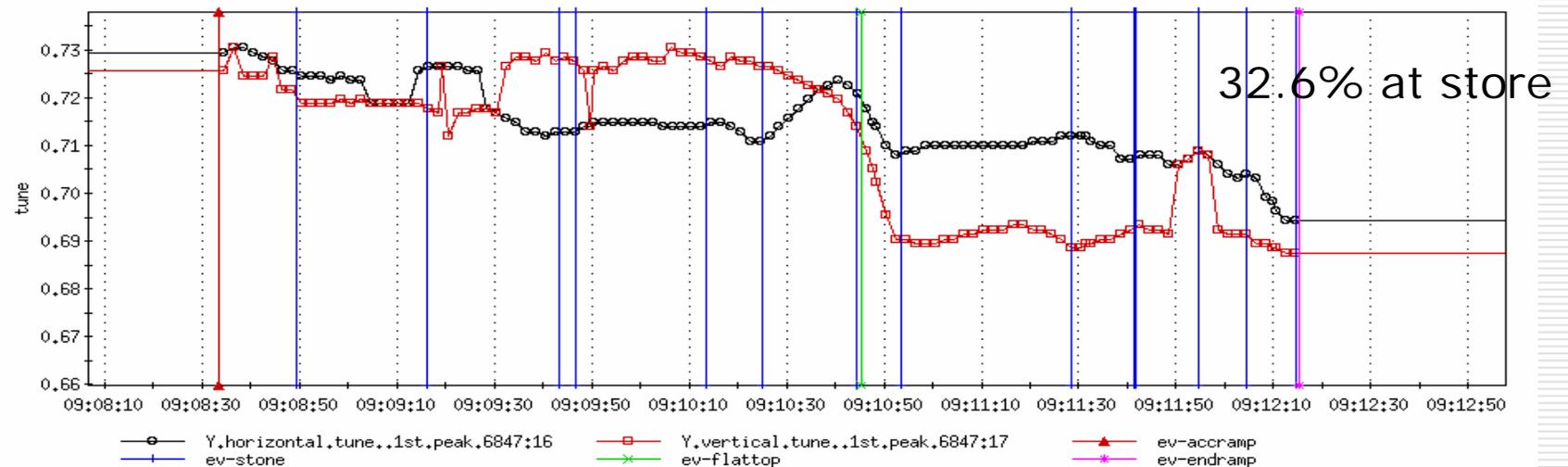
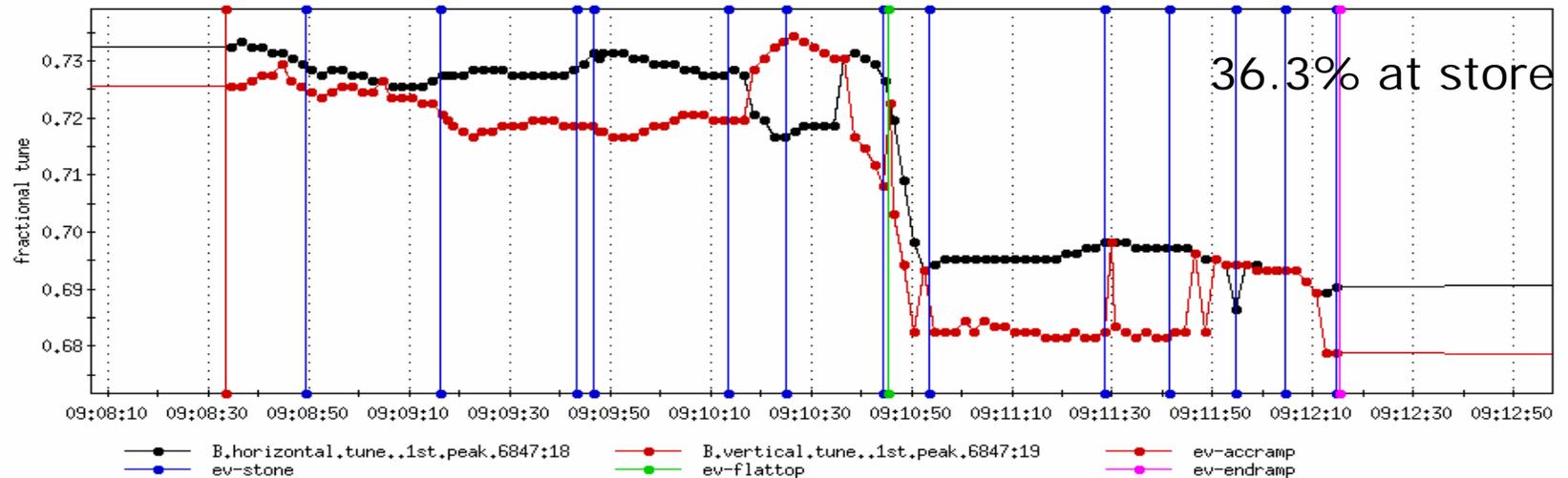
Plan

- Continue improving the ramps
 - pp21: the polarization transmission efficiency
 - revert the target back to zero orbit in yellow on the basis of our development of tune swapping
 - Rot3: the beam transmission efficiency
 - orbit corrections and tune adjustments
- Measure polarization direction at STAR and PHENIX with local polarimeters after the rotator ramp
 - Done last night. Close to zero vertical asymmetry with rotator on

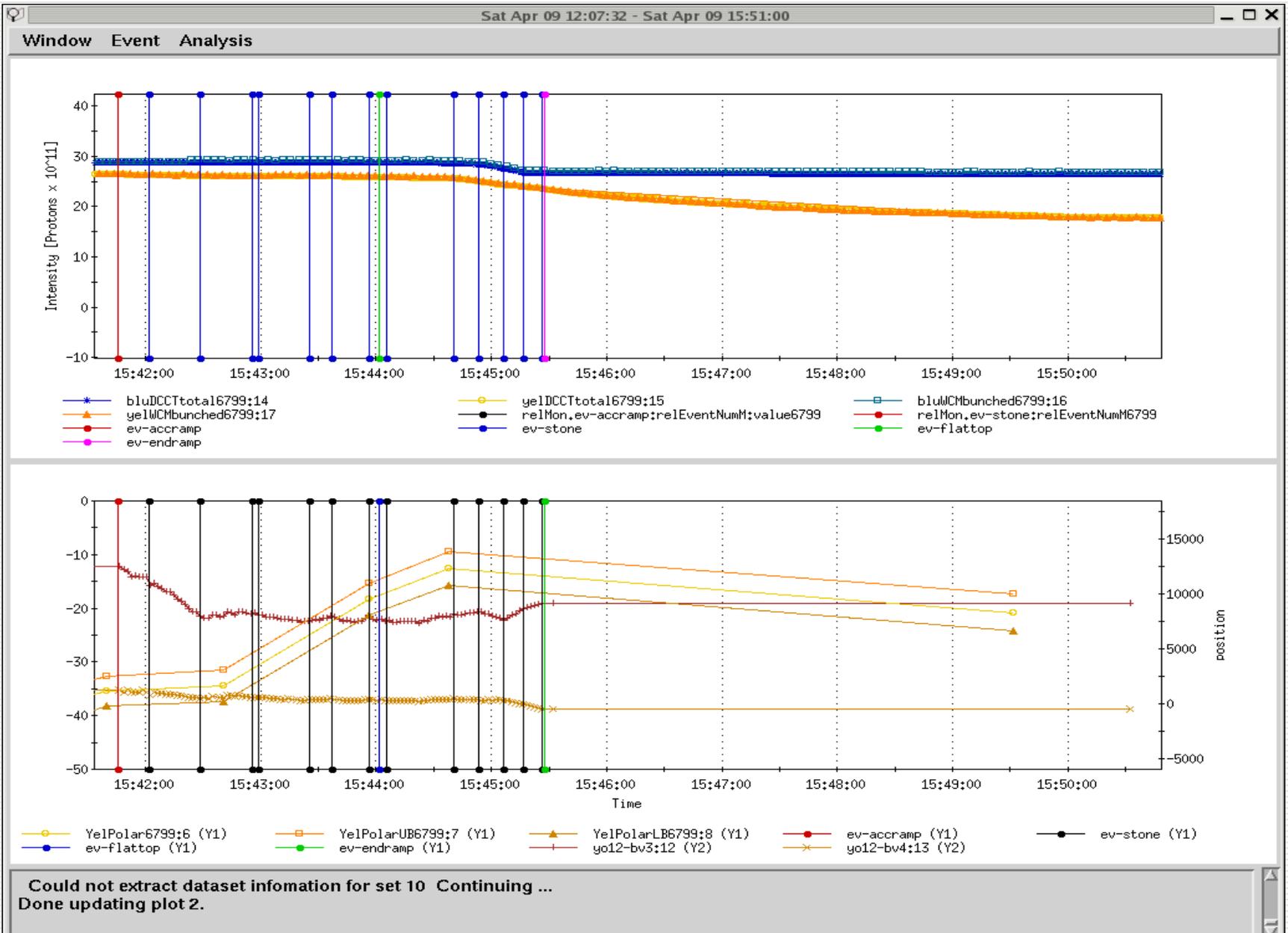
Plan

- Revert ideal orbit to zero orbit: in progress
- Prepare to move to Physics run
 - When we should announce Physics
 - Automate the cogging procedure
 - Automate the steering procedure
 - Automate the polarization measurement procedure
- Keep providing overnight collisions
 - Experiment detector timing setup
 - Local polarimeter setup using transverse polarization
 - Jet setup

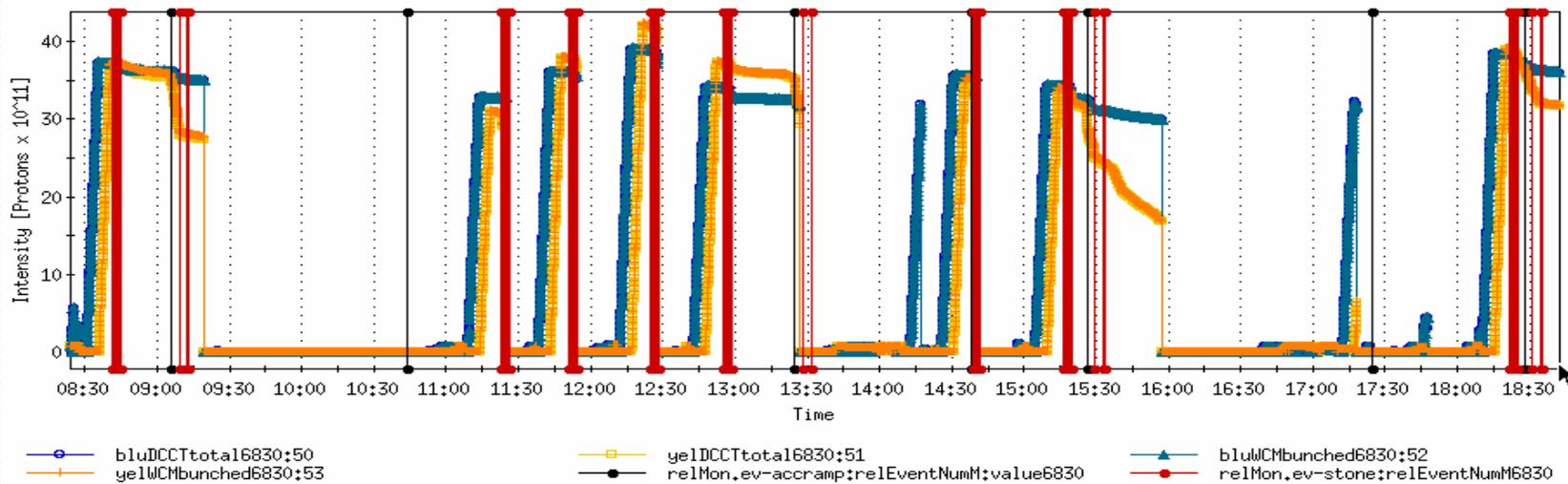
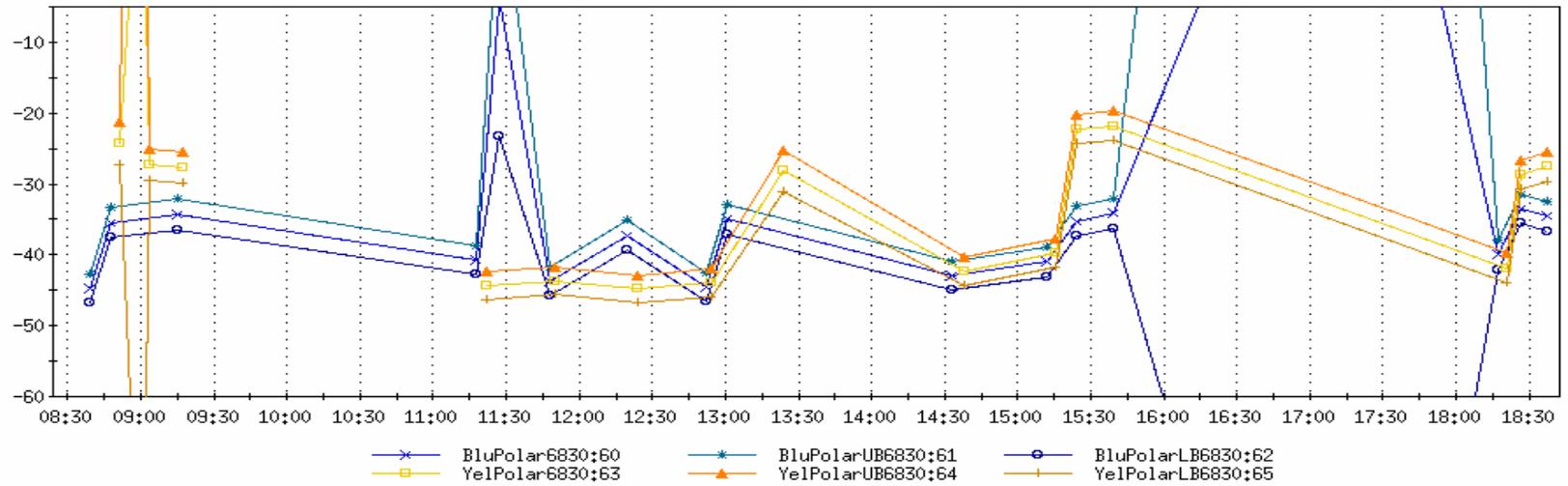
Artus measurements along the ramp



1st yellow polarization measured along the ramp



No polarization loss through Rotator ramp



Overnight store: 6861, 6862

