

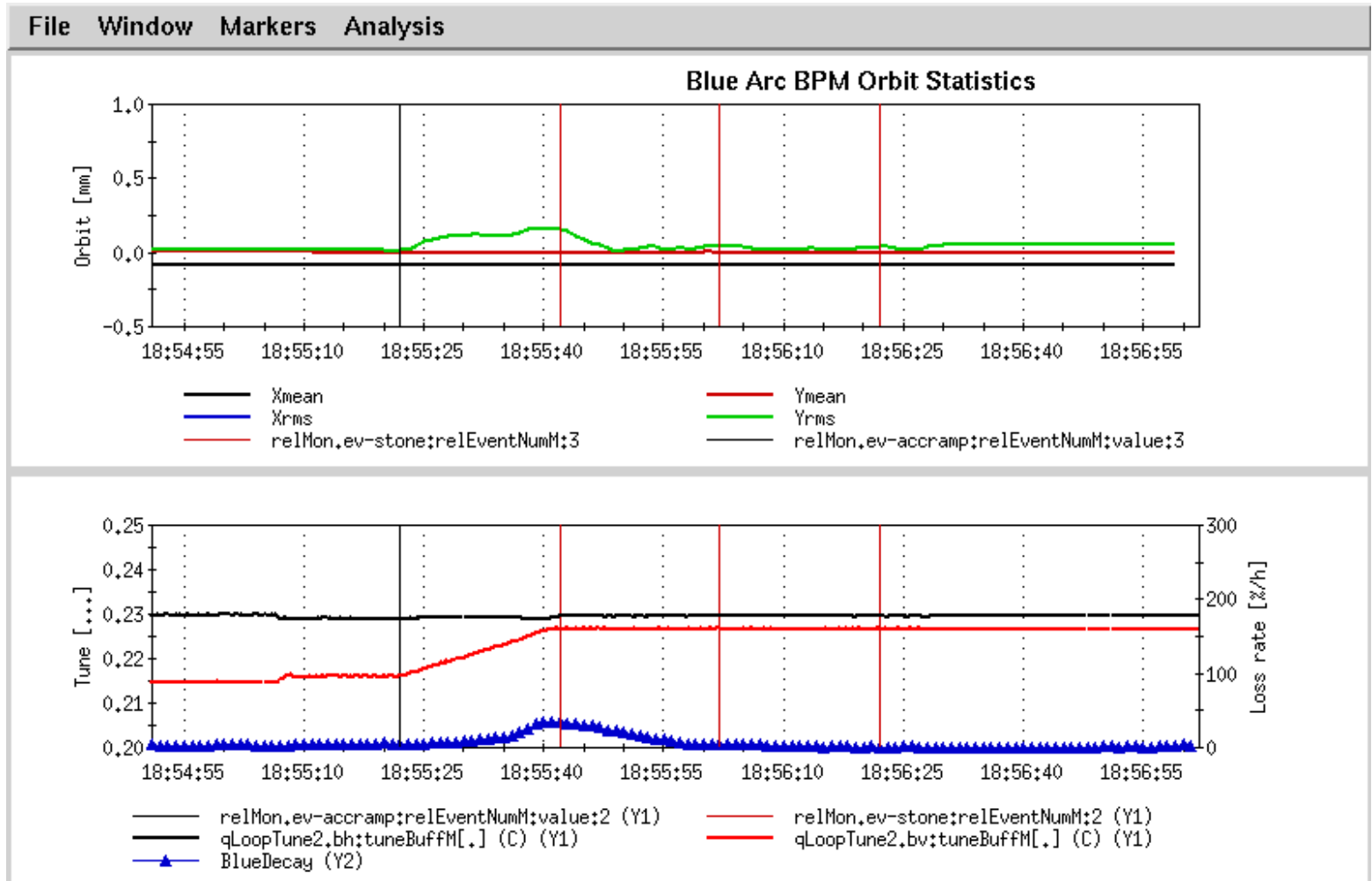


APEX 4/9 – THOR commissioning (all results preliminary)

G. Robert-Demolaize, M. Bai, C. Harper, A. Marusic, X. Shen, S. White

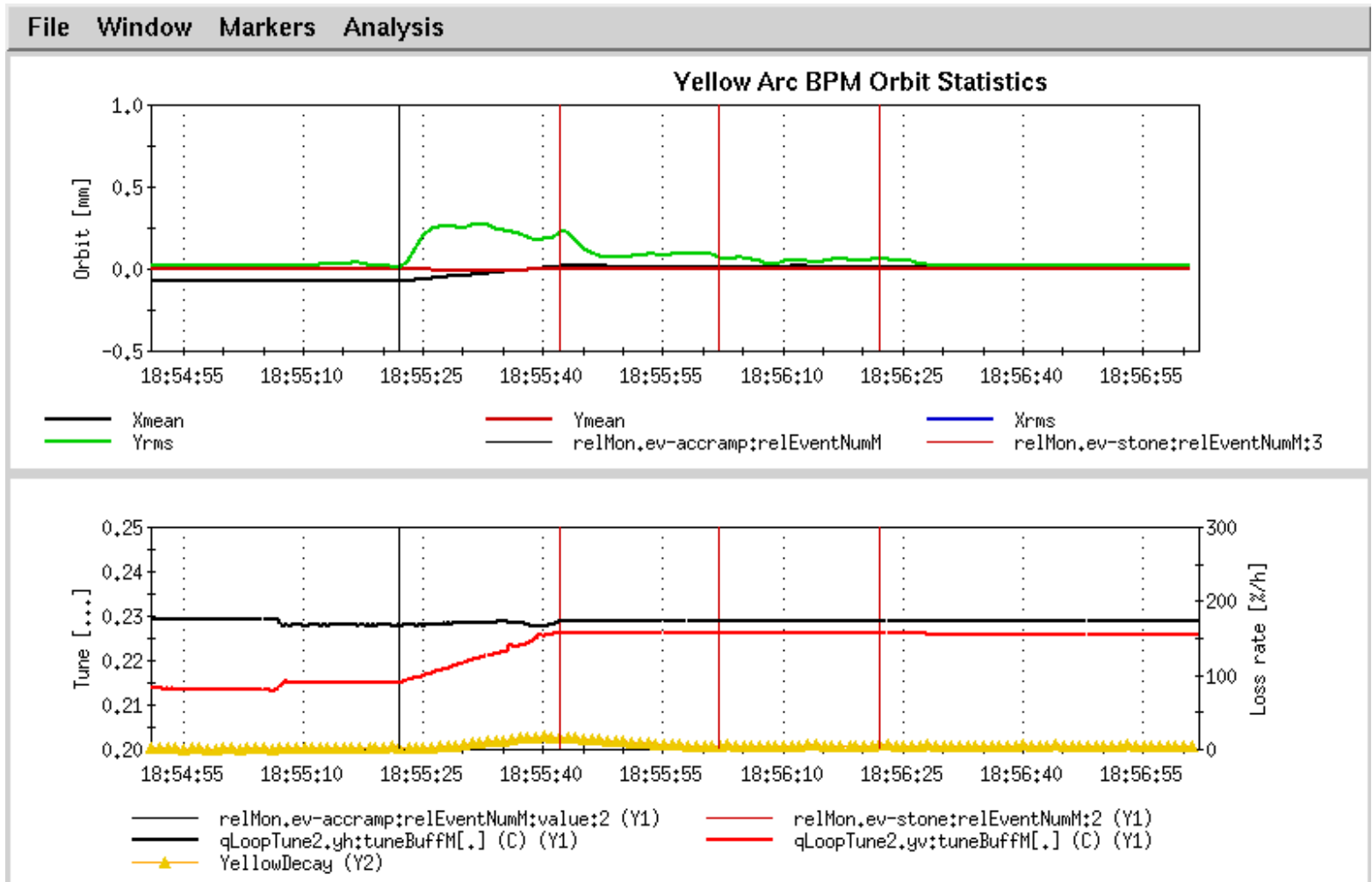
Latest attempts

- Regular machine setup for operations, except beams are anti-cogged to allow chromaticities to be measured. Ramp to B+Y 60cm was successful with minimal beam decay rates increase:



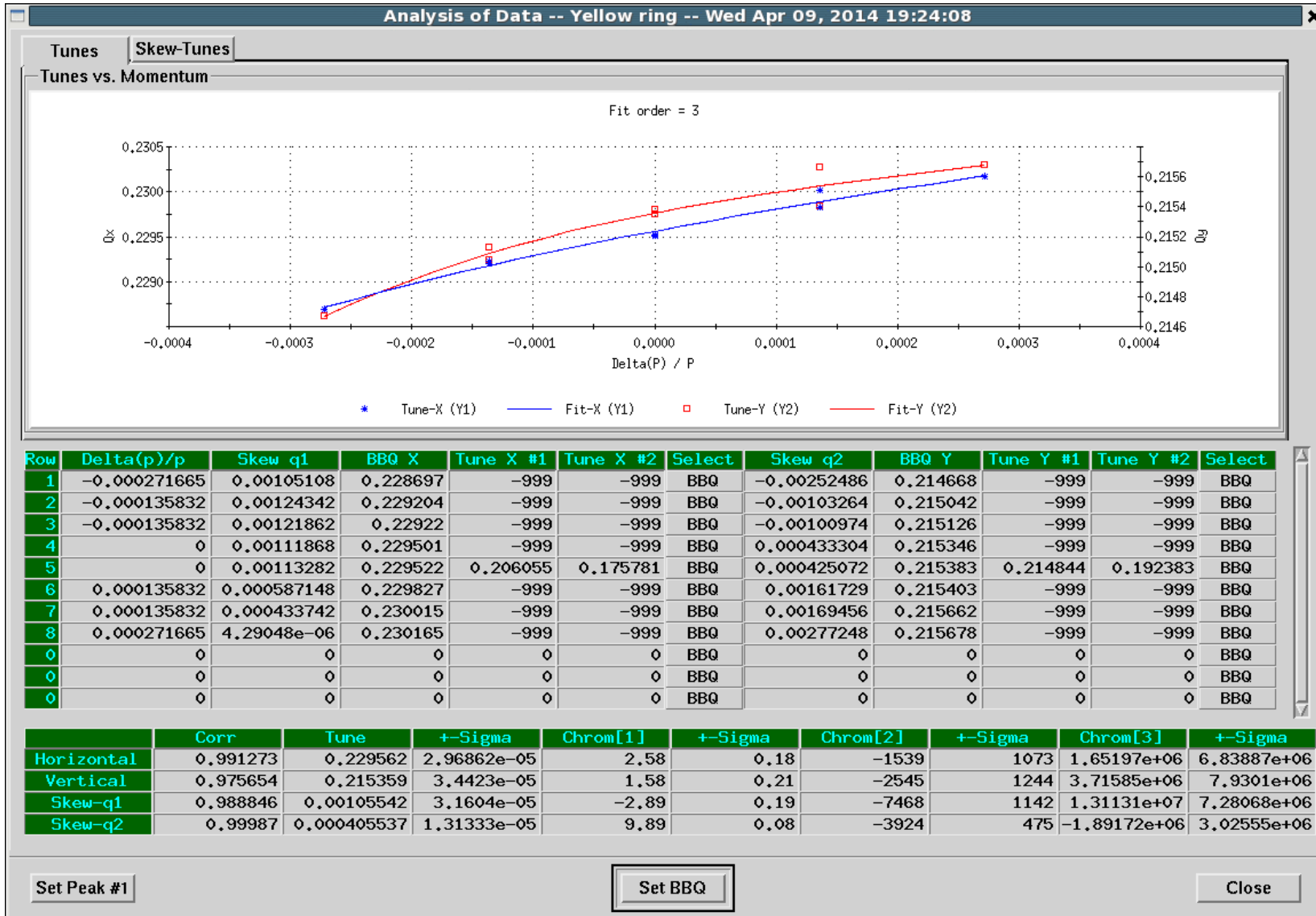
Latest attempts

- Regular machine setup for operations, except beams are anti-cogged to allow chromaticities to be measured. Ramp to B+Y 60cm was successful with minimal beam decay rates increase:



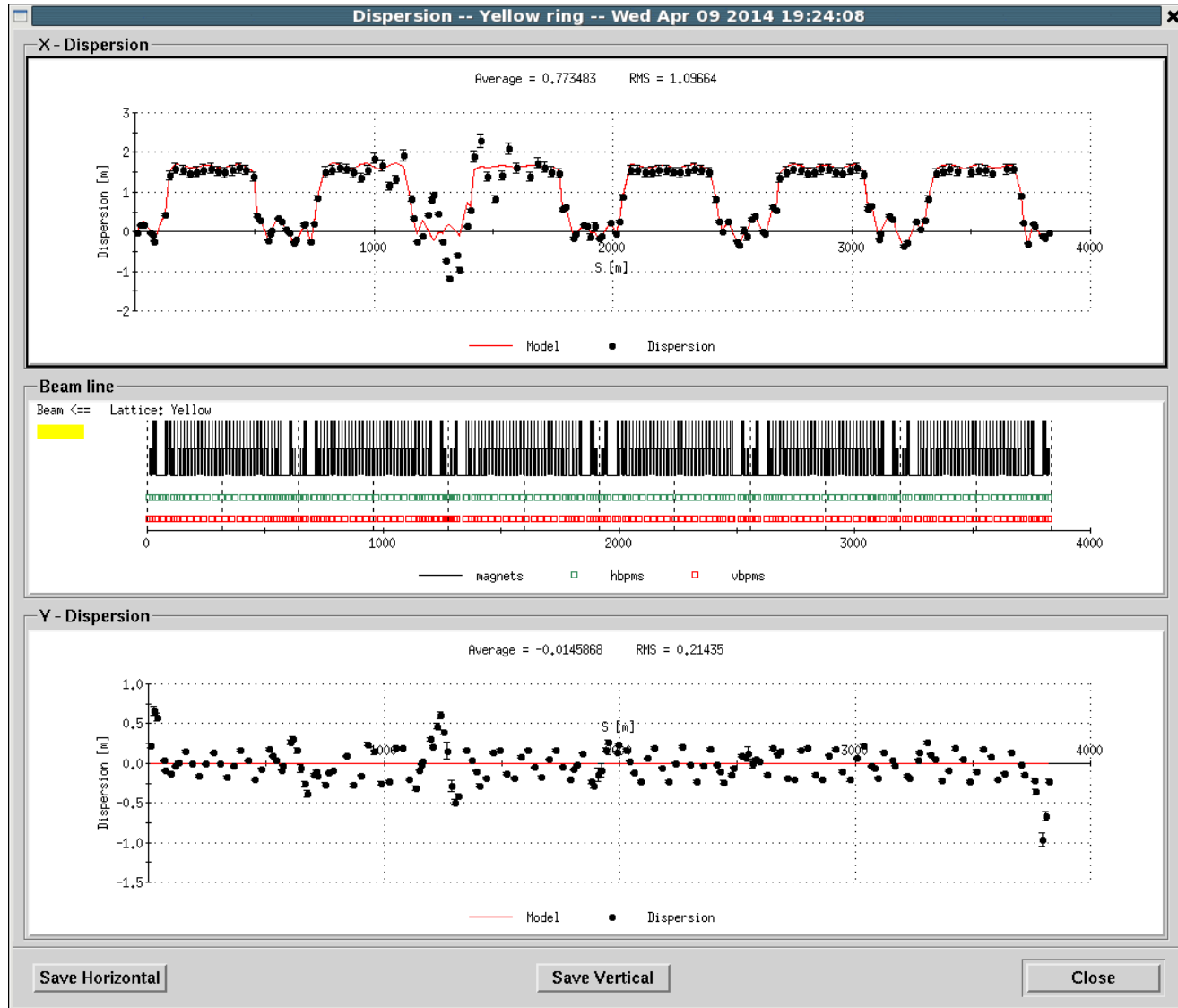
Yellow Chromaticity

- Strange structure in BBQ signal slowed down (a bit) chrom. measurements, but still managed to take one reliable set:



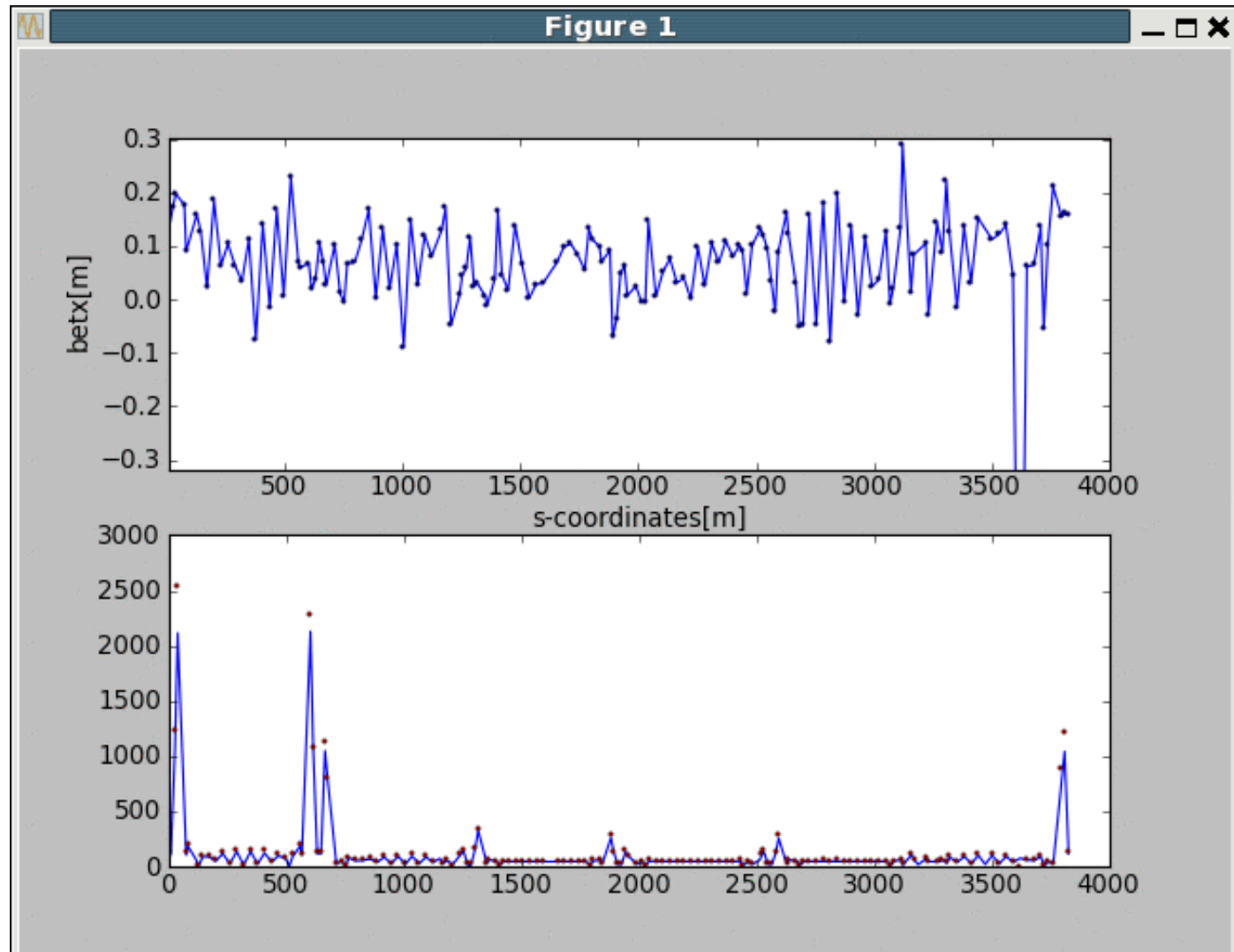
Yellow Chromaticity

- Strange structure in BBQ signal slowed down (a bit) chrom. measurements, but still managed to take one reliable set:



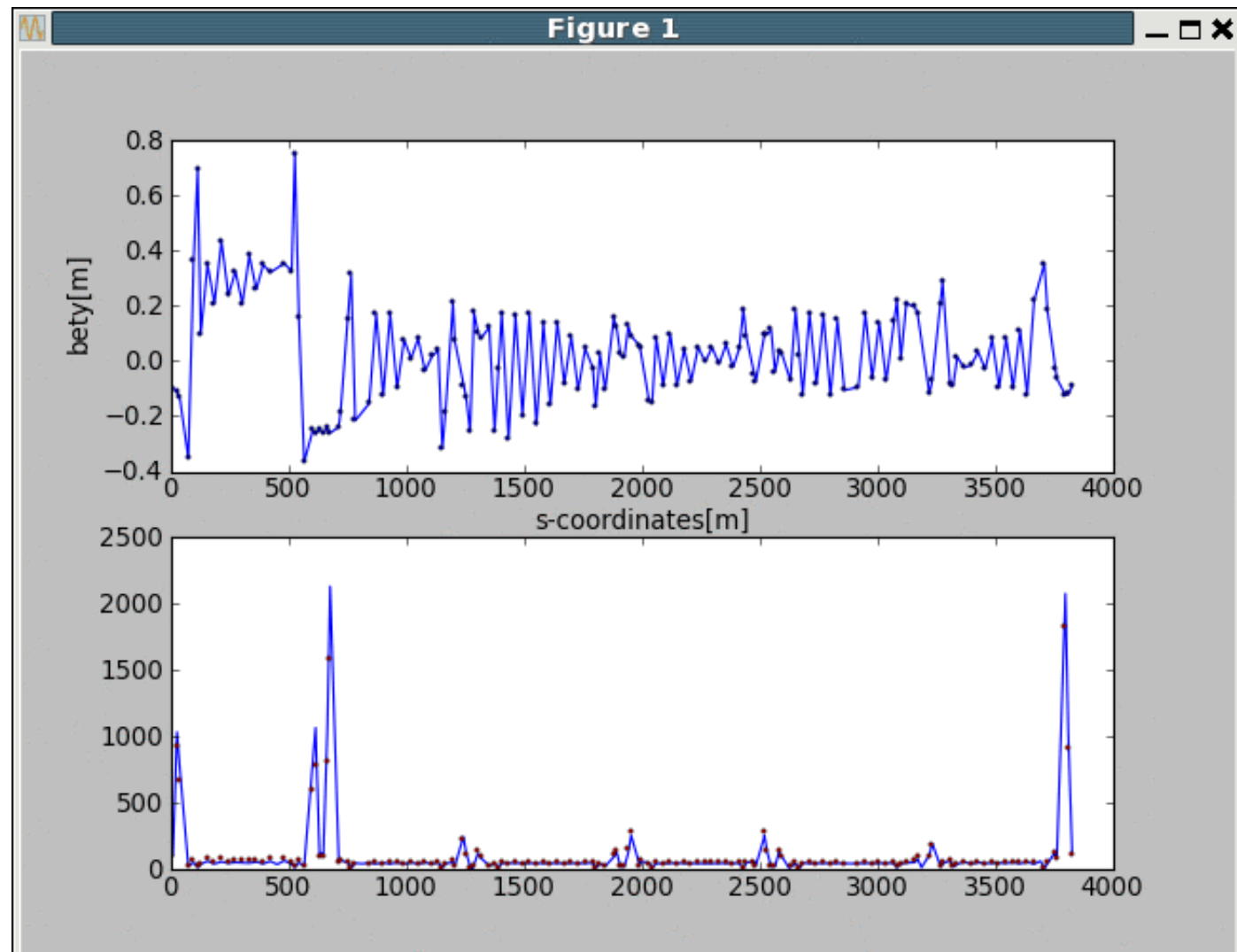
Yellow Optics (60cm)

- yo5-bh14 caused problems to the fitting algorithm (infinite loop) when looking at TBT horizontal plane data; had to use Sam's ICA as alternative data processing tool to get live picture of the beta-beat at 60cm:



Yellow Optics (60cm)

- yo5-bh14 caused problems to the fitting algorithm (infinite loop) when looking at TBT horizontal plane data; had to use Sam's ICA as alternative data processing tool to get live picture of the beta-beat at 60cm:



Blue and Yellow Optics (50cm)

- Next attempt tried to send both Blue and Yellow to 50cm, with recalculated pre-fire protection bumps; without collimators, we experienced slow Yellow beam losses that eventually pulled the permit:

