



dBLMs vs ADT observations 16L2 related dumps



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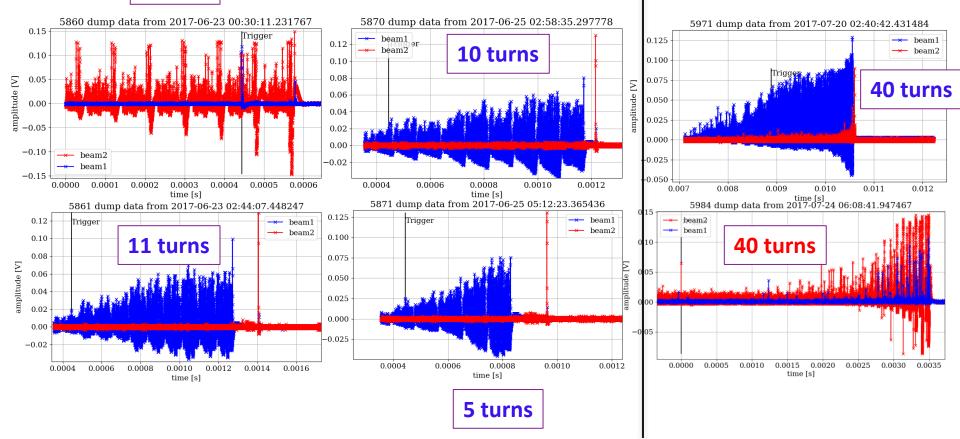
14/08/2017

Recorded dumps

TCP ROSY box

Cristal ROSY box!

6 turns





Summary (LBOC)

- Difficult time for ROSY Boxes...
 - Non operational status, many changes in configuration resulted in the long dead times...
- Difference in loss patterns between Beam1 and Beam2
- Work in progress:
 - Get turn by turn bunch by bunch data to compare with ObsBox measurements!

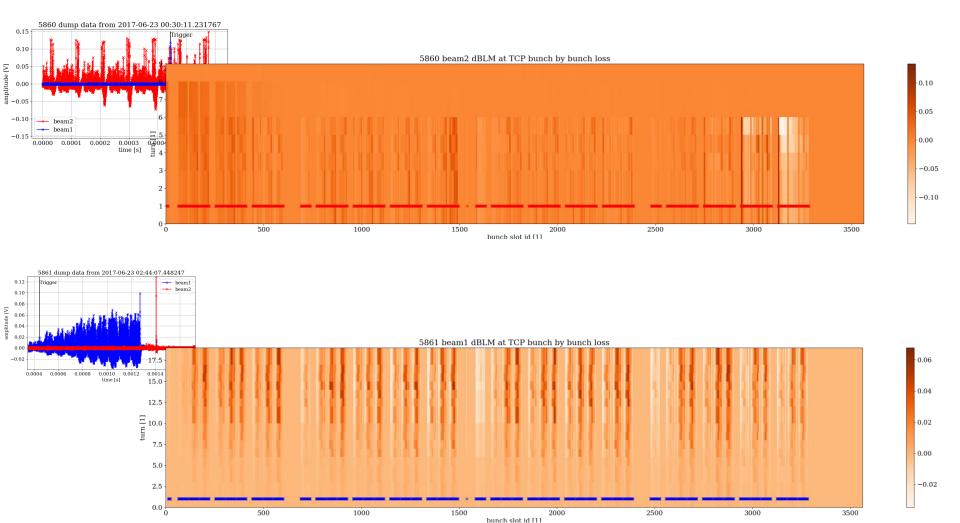


Miscellanea on ROSY

- Synchronization issues do not apply for histogram mode, only for RAW waveforms!
 - Used VdM/ scraping fills to synchronize the turn clock with diamond signal...
 - Still Beam2 from Xtal box needs detailed analysis!
- Various legacy settings did not record RAMP related losses
 - Restart after beam screen flushing

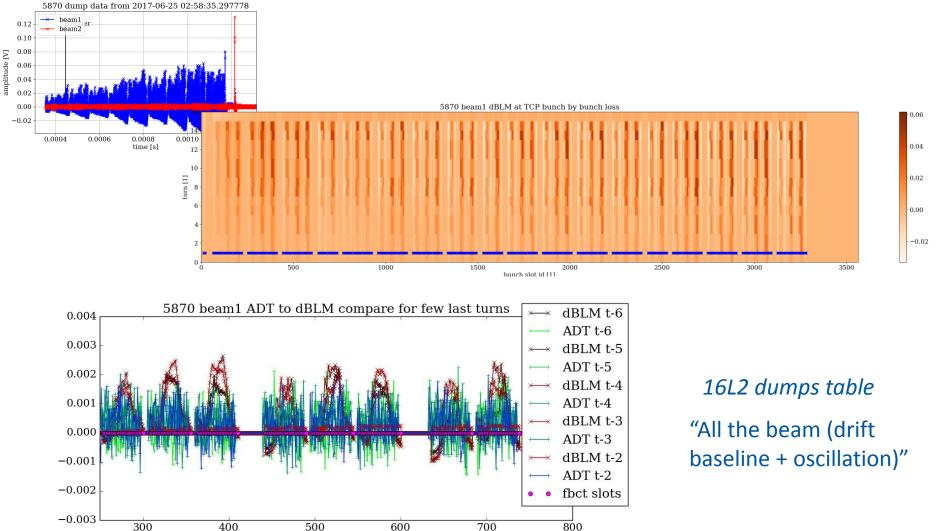


Bunch by Bunch, turn by turn (1)

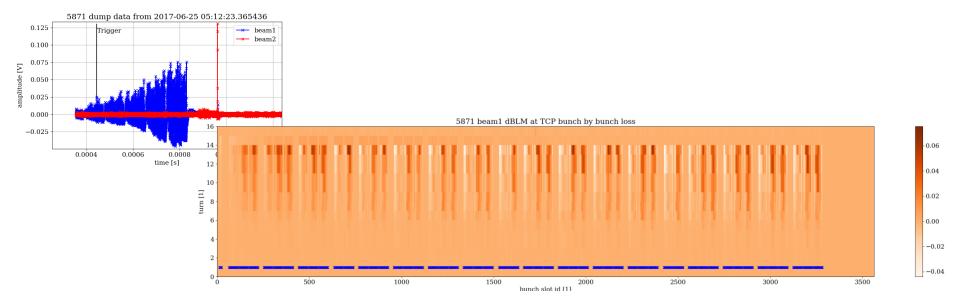




Bunch by Bunch, turn by turn (2)





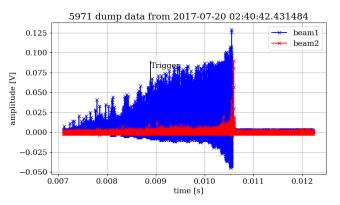


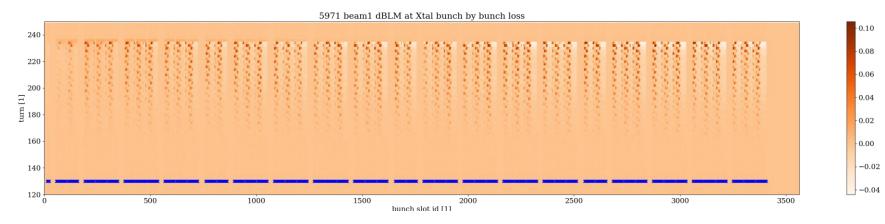
16L2 dumps table

"All the beam (drift baseline + oscillation)"



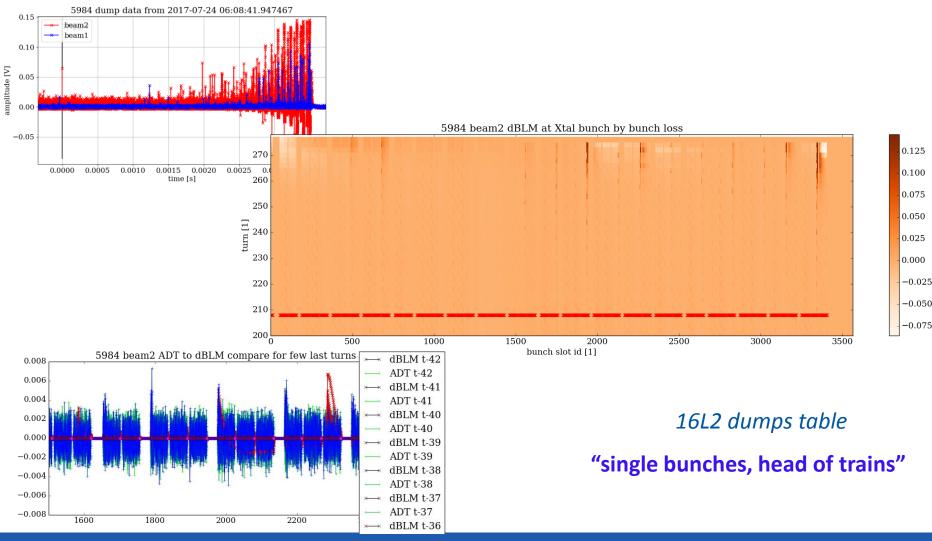
Bunch by Bunch, turn by turn (3)

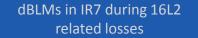






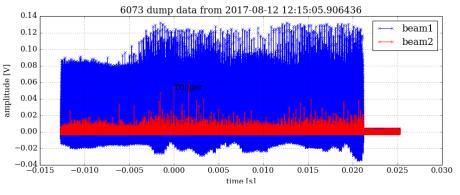
Bunch by Bunch, turn by turn (4)

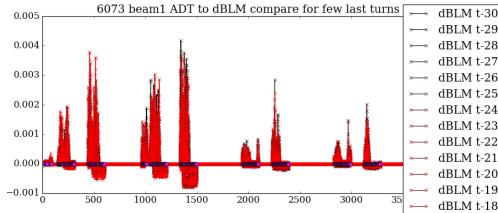


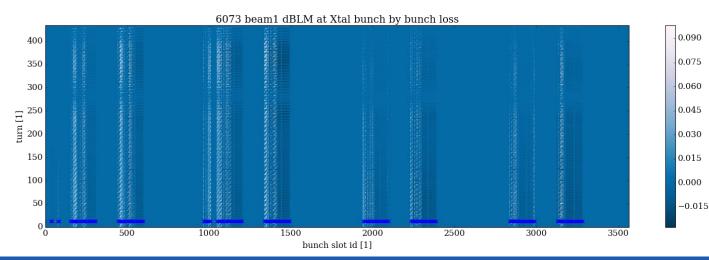




Saturday, 6073, quench + long losses









Summary

- Not easy to match PM/ADT to dBLM
 - Not only the possible synchronization error, but shape and position of the losses

Missed data in the RAMP system in commissioning

- Work in progress
 - With the recorded dumps
 - And new ones (6073, 6080 Mon morning...)





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