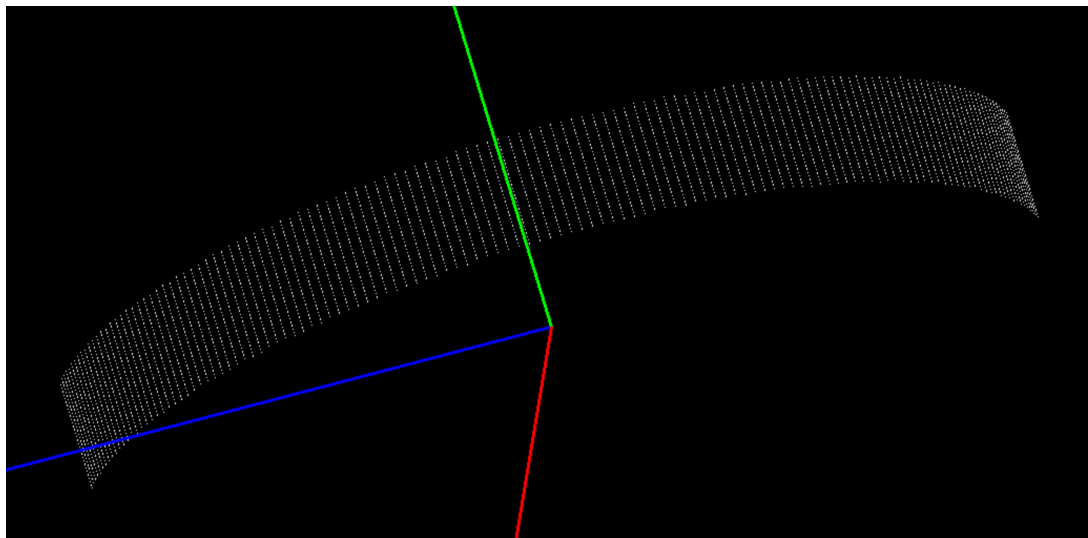# D2B Update

21/09/2017

Detector Scan Work

- Performance improvement for loading detector scan workspaces

  - Sync scans have same time intervals for all detectors

- MergeRuns supports detector scan workspaces

D2B Loader & Instrument Definition

- Instrument was mirrored – now corrected

- Tube 1 is now at 6.25°, angle from NeXus file to rotate is for Tube 128
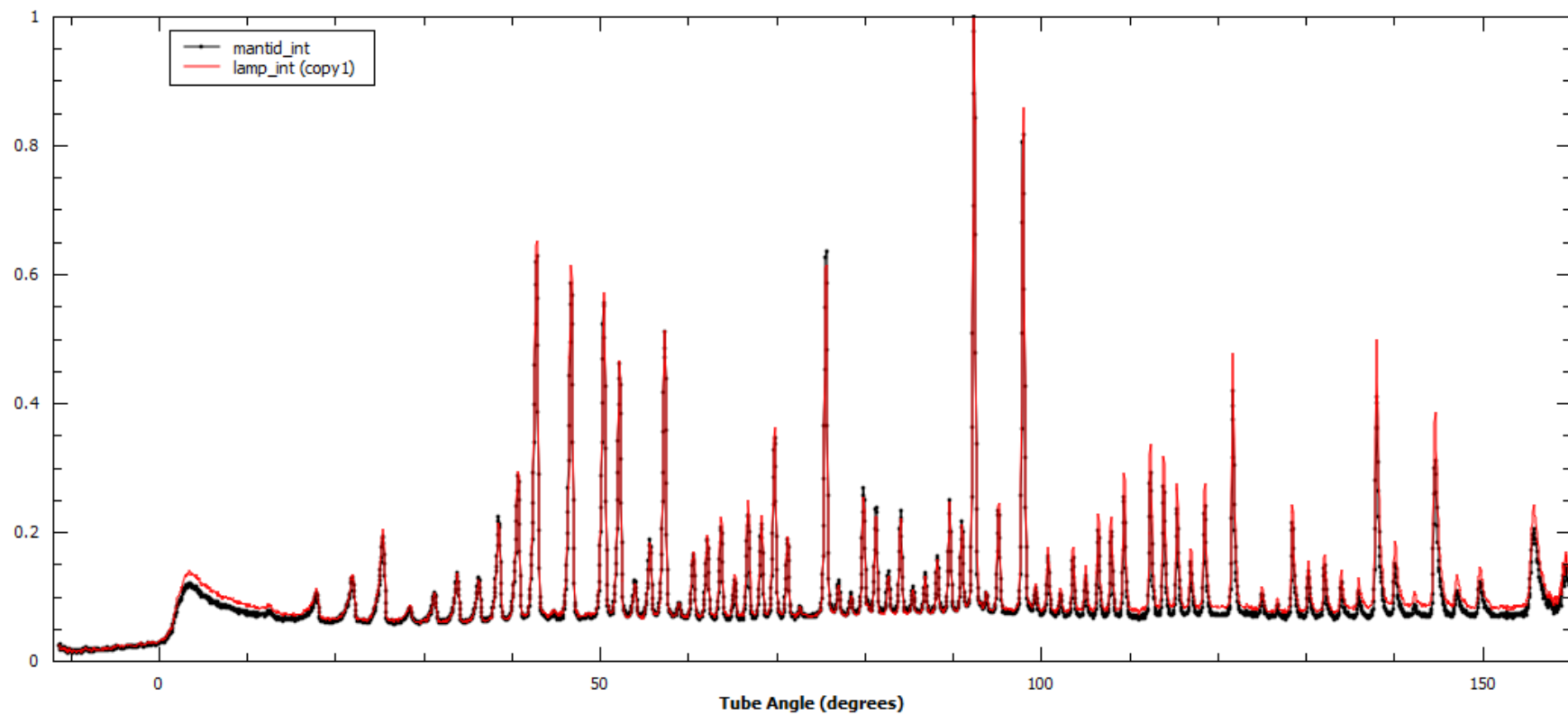
Demo

Demo

summedTubes
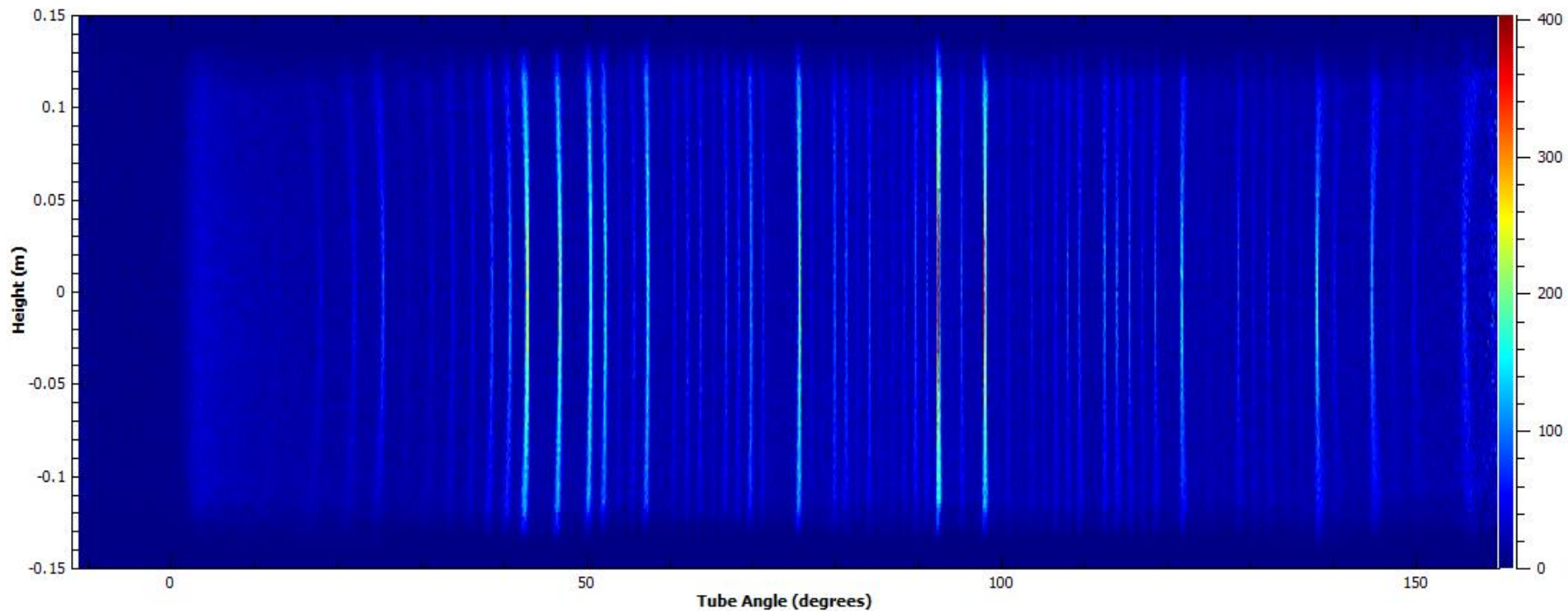
Demo

mantid_int

Work for D2B – Reduction

- **SumOverlappingTubes**
  - Error propagation
  - Progress
  - Documentation
- Normalisation
  - **NormaliseToMonitor** requires detector scan support

Work for D2B – Calibration

- D2B NeXus files containing calibration
  - Add option to loader for Raw/Calibrated
  - Check calibrated results against LAMP
- Generation of the calibration files

Detector Scan General Work

- Extract single time index

- Saving scan workspaces to NeXus
  - Potential to leverage NeXus style instrument from ESS
  - Might require `ComponentInfo` to support scans (i.e. scan a tube, not pixels in tube)
  - https://github.com/mantidproject/documents/pull/53