

D2B Update

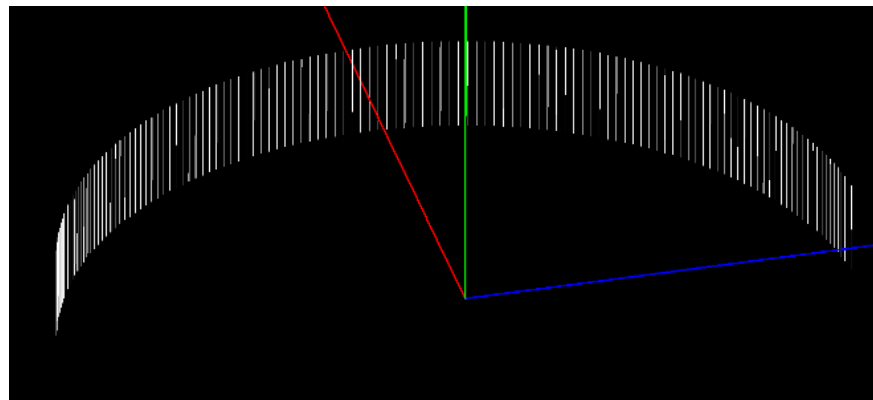
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Moving Instruments in Mantid

- Refactoring work in Mantid to allow access to detector information with time indexing — `detectorInfo.position(detectorIndex, timeIndex)`
 - Core refactoring work completed ✓
 - Helper methods to create workspaces ✓
 - `CreateSampleWorkspace` supports building such workspaces for testing ✓
 - `GroupDetectors` compatible with time indexing ✓
 - Detector table shows time indexes ✓
- Work to do
 - Saving and loading NeXus files with scan information
 - Merging different scans

D2B Loader & Instrument Definition

- D2B [instrument definition](#) needs verification
- D2B loader working for converted Nexus files
 - **ScanningWorkspaceBuilder** used to create workspace
 - Single NeXus file loaded containing 25 scan points
 - Need to verify and test on more data



Merging Data

- D2B cases
 - Merging repeated runs
 - Merging runs with different 2θ scan ranges
 - Merging runs for temperature scans
- How to merge, what tolerances are expected?
- Need to get some examples of these cases

Next Steps

- Verify D2B IDF and loader, tests, PR
- Mantid NeXus saving and loading with time indexing information
- Merging D2B runs
- D2B workflow (any other scanning instrument issues with Mantid)