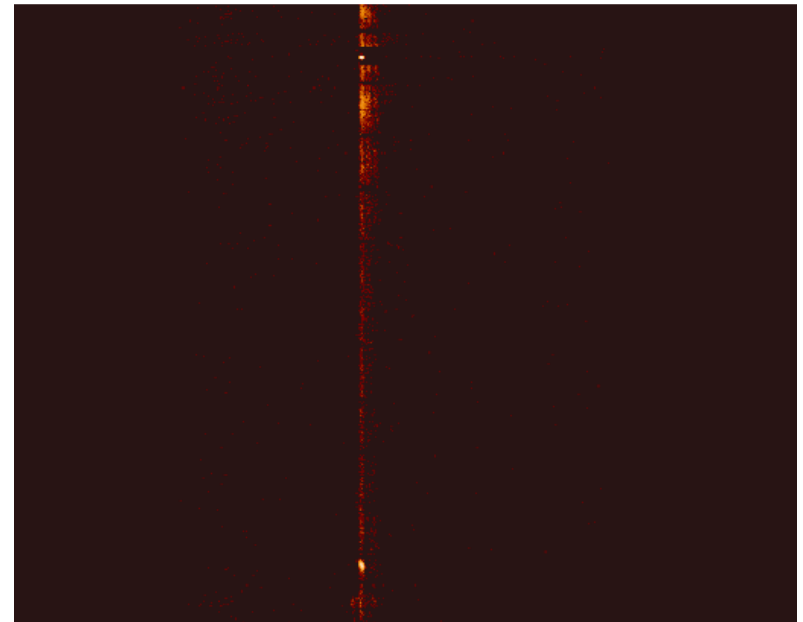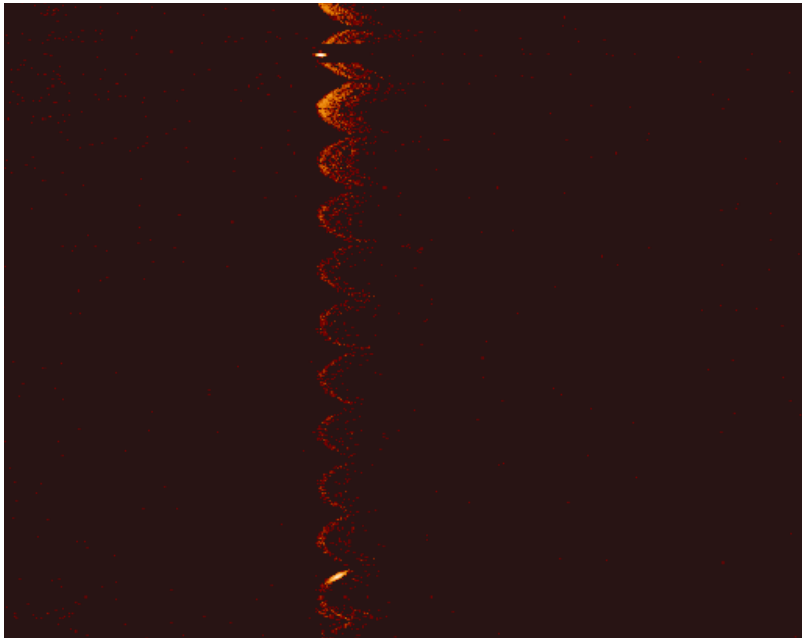# General Update

Sprint Review Meeting 25/10/2016

IN5 CorrectFlightPaths

- Algorithm fixed (problem with histogram changes) & tests added

- Renamed to `ConvertToConstantL2` – is this a good name?

- Documentation mentions it is only for visualisation

File Loading

- Issue for files without extension (e.g. ILL ASCII files for D2B)

- 'All files' in Mantid dialogues filter on $*.*$ instead of $*$ → does not see 'All files'!

- Changed in ~50 places

- PR tested on Windows, Linux and Mac (GV) and now merged

Scanning Instrument Plans

- Work with ESS for Instrument 2.0 to implement scanning instrument support within next 6 months

- We benefit from shared effort and a long term solution

Scanning Instrument Plans

`SpectrumInfo`

Methods such as `isMonitor`, `isMasked` etc. Caches things like position and L2 values. Obtained from `Spectrum` class.

`DetectorInfo`

Similar interface to `SpectrumInfo`. Also caches values. Requires `det_index` and `time_index` (for scanning instruments).

`Instrument`

Knows about detectors but not where they are if they have moved.

Scanning Instrument Plans

`SpectrumInfo`   Already Implemented – roll out required so it is used everywhere

`DetectorInfo`   Rough design in place – work to do!

`Instrument`   Lots of changes for Instrument 2.0

Scanning Instrument Plans

SpectrumInfo.h

```cpp
bool isMonitor(const size_t index) const;
bool isMasked(const size_t index) const;
double l2(const size_t index) const;
double twoTheta(const size_t index) const;
double signedTwoTheta(const size_t index) const;
Kernel::V3D position(const size_t index) const;
bool hasDetectors(const size_t index) const;
bool hasUniqueDetector(const size_t index) const;
```

Build Servers

- Ubuntu 14.04 support required for sometime at the ILL

- Might need to run Ubuntu 14.04 build server – to discuss at TSC meeting this afternoon

Work to Do for Next Week

- ToF
  - EPP position when loading/merging
- Scanning instruments
  - Add info from NoBugs to design documents, investigate D4, D7 and D16
  - PRs #17869 (SpectrumInfo) & #17875 (DetectorInfo)
  - SpectrumInfo roll out