POWDER DIFFRACTION REDUCTION

STATUS UPDATE

NEWS SINCE LAST MEETING

- Most Likely Mean method for D20 calibration
  - General purpose algorithm in C++
  - Full calibration derivation in up to 2min
- Package built from branch
- Cropping of negative 2theta portion (default)
- Leave, crop, interpoalte the zero counting cells
- Rebin in temperature (or any scan) axis
- Fixed header for Fullprof (format 10) saver
- Generalised GSAS saver, able to export from mantid (format RALF ALT)
- Unit tests and documentation.

OPEN QUESTIONS

- ROI normalisation for calibration
  - How can one define a single region for all the cells?
- Rebinning in scan axis
  - How to handle the bin-width normalisation?
- ROC correction
  - As a function of cell number or 2theta?

TO DO

- Validate the savers
- Implement ROC correction
- Test with omega (and other) scans
- Complete the tests and documentation
- Implement detector scan reduction
- Test with D1B