Analysis Meeting

November 18, 2004

Window Thickness Analysis

- Analyzed window thickness measurements for Duality Reference Cell
- Found two errors in the code:
  - Unweighted average error incorrect
  - Angle was set incorrectly

Window	Thickness (μm)	Stat.	Syst.
Upstream	126.7	0.023	0.78
Downstream 1	123.2	0.046	0.78
Downstream 2	123.15	0.077	0.86

Optics

- Setup Analyzer with Absolute value terms.
  - Found 2mm shift in $\mathrm{x}_{\mathrm{sieve}}$ and θ_{tg}
  - Checked spectrometer offsets. (Not the cause)
  - Checked extended target correction code. (No major differences)
  - New BPM calibration for Analyzer.
  - Comparable to Bodo's from last year
- Absolute value terms do not seem to aid y_{tg}

To Do:

- Track down cause of shift in Analyzer.
- Raser Calibration (needed for Acceptance study)
- Window measurements for Exodus