

WBS 1.6 Software

1) Survey

- a) The first PXL prototype sector to be used in the upcoming Run13 was surveyed and issues addressed. Three sets of measurements were used to determine the repeatability of the procedure. Results are within specs (<10 microns).
- b) First IST ladders were surveyed. Survey methods seem sound and precision of measurements well within specs.

2) Geometry modeling

- a) A detailed model of the prototype detector (PXL, beam pipe and support structures) for Run13 was released.

3) Offline Chain

- a) The PXL RawHit and Hit data structures were discussed, defined and submitted to STAR software management together with a justification document.
- b) A document discussing the raw PXL data was discussed.
- c) We had an initial discussion on the corresponding IST structures.
- d) A draft design, with code, for the PXL cluster and hit finders was presented.

4) Simulators

- a) Work was performed on the PXL fast and slow simulators, mainly to comply with the new structures and code cleanup. The Fast simulator is in the process of software review from the computing management.