

IoLS Status Update

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HD DAQ tests (info from Nuno)

- Waiting for Wes to get back to us with a time to do tests
- The tests will start simple and may possibly be able to run on a separate partition to avoid clashing with other tests
 - CIB + Data Flow Orchestrator are the only things needed in the partition
- First test is to validate the configuration of the readout
 - Verify that the triggers from the CIB are making it and at the right time and that they lead to a trigger decision

P3 test

- The third Surelite laser has been moved to the the laser stand for installation and testing
- Missing components for vertical test:
 - Long Torlon Rod
 - Adapter nipple
 - Horizontal beam tube and mount
 - Modified 4-way cross
 - M3 mount
 - Camera assembly mount
 - Light bucket (optional)

Procurement for P3 tests

- CF 12" to 8" adapter to mount the new electrical break – Ordered and expected next week
- 4-way cross – Ordered
- Laser box flange for mounting Horizontal beam tube – Quoted
- Horizontal beam tube – quoted and will be ordered soon
- Torlon actuator rod – Quoted by Drake and Boedeker for material
 - The rod must be grinded down to 0.500" diameter. Boedeker seems to give the best options.
 - Currently awaiting for a machining quote from Boedeker

Revisited designs:

- Horizontal beam tube
 - Added alignment pinhole
- Camera assembly mount target plate
 - Now removable. Will be anodized for safety
 - Additionally constrained for repeatability
 - Added a mounting piece for a laser holder to have easy alignment in the axes of the laser
- Horizontal beam tube mounting plate
 - Removed shutter plate mount

