

DSG – EIC DIRC Meeting

Date: April 29, 2024

Time: 1:30 PM – 2:00 PM

Attendees:

1. General updates:

1. Laser interlock set up
 - Optical table side wall sensors and cabling assembled
 - Dressing of cables remain; cable management mounts on order
2. Two-piece cleat created to fasten laser interlock control units to wall
3. Two spools of 3D printer filament ordered and received

2. Shipping crate accelerometers

Tyler Lemon

1. A replacement box will be made for the one that got damaged during barbox transport
2. Improvements to be made to system:
 - Switch to rechargeable battery with more secure connection to system's power port
 - Refine data acquisition formatting in attempt to get better timestamping and better log file management
 - Add live readout capabilities for barbox disassembly
 - Live readout will let us know the immediate forces on the barbox during disassembly to ensure that the forces on the barbox stay under ± 1 g.

3. Barbox disassembly planning

Greg Kalicy, Andrew Lumanog, and Tyler Lemon

1. Storage cabinets received
 - Andrew Lumanog will look into documentation required for and feasibility of setting up a nitrogen purge for the storage cabinets for when the bars are in long-term storage
2. Area set up in progress
 - HEPA filters ordered and will be replaced in clean area's air handler
 - Table assembly underway
3. HEPA vacuum with strong suction should be used during disassembly to prevent contamination of bars
4. Quartz samples will be procured to place around clean area for a test of how much dust or material settle on them over time