

DSG Hall A LAPPD Meeting Minutes

Date: June 4, 2024

Time: 11:00 PM – 12:00 PM

Attendees: Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, and Marc McMullen

1. Gantry installation

Pablo Campero, Simona Malace, and Marc McMullen

1. Marc, Pablo, and Simona repositioned home sensors for X and Y axes to get the zero position
2. Pablo and Marc squared gantry system with respect to the LAPPD window using a printed template, with guide lines and points, placed on the window
3. Marc anchored gantry support footers to the base of the dark box
4. Pablo and Marc marked the gantry support footers in the base of the dark box for future relocation

2. LAPPD Incom Inc drawings

Pablo Campero

1. Pablo overlapped temperature readout board drawing (shows pixel dimensions) with LAPPD window overall dimensions; temperature readout board is 0.6 mm bigger than window
2. Discussed X spacer geometry and how it would affect data acquisition and moving the gantry to null region
 - Will need dimension for X spacer to determine the null area for readback and avoid movement of the gantry carrier to these locations

3. Gantry system controls

Pablo Campero

1. Pablo is developing LabVIEW program to control and monitor gantry positioning system
 - Communicates with the gantry controller, reading errors from and sending commands to
 - Ability to enter the X and Y coordinates for gantry carrier movement; reads current location
 - Will add readout board pixel representation to the front panel and the ability to navigate to and click in the pixel representation to move the gantry