

DSG-NPS R&D Meeting Minutes

Date: January 24, 2023

Time: 02:00PM – 03:00PM

Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. Thermal readback

Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Tyler Lemon

1. Reviewed spreadsheet detailing what needs to be completed for EEL testing

	needed for EEL testing	status
thermal readback	ability to readback temperature/relative humidity/pressure/flow	complete
	Phoebus screen(s) to display all sensor data	complete
high voltage	ability to control and monitor high voltage channels	complete
	Phoebus screen(s) to display all hv information	complete
low voltage	ability to control and monitor low voltage channels	complete
	Phoebus screen(s) to display all lv information	complete
hardware	fabricate and test relative humidity sensors (x8)	complete
	fabricate RTD cable assemblies (x8)	complete
	fabricate and test hv cable assemblies (x40)	complete
	crio rack chassis	not started
	keysight rack chassis	not started
	cz chiller flow meter	complete
	ez chiller flow meter	not started
	fabricate keysight extension cables	in progress
VLD	Phoebus screen(s) to control and monitor LEDs	in progress

2. Developing error handling to be included in both LabVIEW program and Phoebus screens

2. LV

Mary Ann Antonioli and Tyler Lemon

1. Tyler has completed the LV IOC instructions

3. Hardware

Aaron Brown, Mindy Leffel, and Marc McMullen

1. Mindy has finished adding capacitors to 740 divider bases
2. Relative humidity sensors and RTDs have been given to Orsay team for installation inside detector frame
3. Mindy has started fabricating Keysight extension cables
 - Cables will be tested as completed