

DSG-NPS R&D Meeting Minutes

Date: January 18, 2022

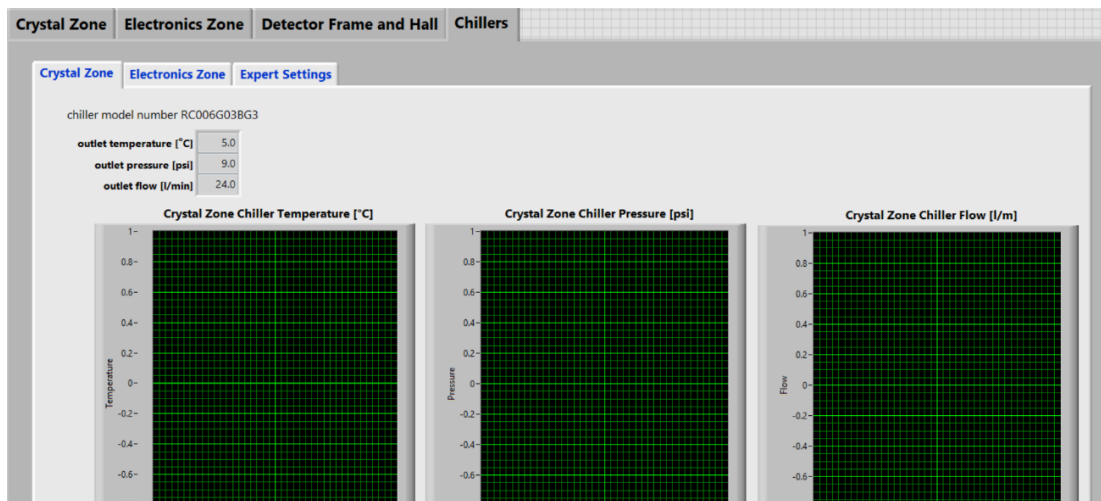
Time: 11:00 AM – 11:45 AM

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

1. Hardware Monitoring Program Development

Mary Ann Antonioli, Peter Bonneau, and Aaron Brown

1. Reviewed first draft of crystal zone chiller tab
 - Discussed removing chiller model numbers as the information displayed is not directly from the chiller.
 - Discussed changing “outlet” to “coolant” for temperature, flow, and pressure parameters



Screenshot of crystal zone chiller tab from Hardware Monitoring LabVIEW program

2. Ansys Thermal Analysis

Mary Ann Antonioli and Aaron Brown

1. Completed IronPython code to extract temperature probe values to a text file
 - Python code to parse text file in development

3. ESR pre-shaping

Aaron Brown, George Jacobs, and Mindy Leffel

1. 595 of 602 complete (~99%)

4. Database Development

Aaron Brown and George Jacobs

1. Generated voltage stability and current stability plots for all channels of all modules to be included in testing & analysis database
2. Emailed Sherman White to gain access to a DocDB instance; awaiting reply

5. High Voltage Supply cable testing

Aaron Brown, George Jacobs, Mindy Leffel, and Marc McMullen

1. Testing of 140' cable in progress – 24 of 36 channels complete