

SoLID Magnet Controls System Meeting Minutes

Date: March 10, 2023

Time: 11:00–12:00

Attendees: Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen

1. HMI screens

Pablo Campero

1. *Solenoid Cooldown* screen modifications
 - Added four delta temperatures and three set point values to FactoryTalk View data logger system and modified PLC code to transfer values to EPICS;
 - PLC tags are read only
 - Added ability to click indicator box of four delta temperatures to pop up screens that display archived data
2. *Solenoid Neck Temperatures* screen
 - Added labels for temperature sensors TS27 ("Pot Return Temp") and TS28 ("Lead Gas Supply Temp")

2. Removed alarm for the axial support sensors, which are not connected for the low current test

Pablo Campero

3. Other Topics

All

1. Monitored logbooks
 - Modified operational parameters for JTV3 and JTV9
 - Increased LN2 cooldown delta from 46 K to 47 K
 - Temperature alarm was caused by troubleshooting of TS7 temp sensor
 - Recalibrated TS7 and TS33 temperature sensors
 - Final calibration needs to be done at a known temperature (4.2 K) for all sensors
 - Reduced HX exhaust temperature set point from 130 K to 120 K
2. Monitored cooldown progress
 - Average helium temperature for coil shell ~135 K at the time of meeting
 - Temperature reduced ~ 46 K in 7 days