

Tasks for Winter Shutdown 16th Dec 2016 to 14th Feb 2017

Hall

- Oxygen depletion sensor service
- Beamstop service and repair circuit 1
- Polarity sensor (POMPOMs) radiation damage test (sometime in 23rd-27th Jan.; needs PPS permit)
- Neutron Monitor.
- 116 RF amplifier - passive RF measurements - Wed 21st December.
- Proton Absorber 29mm slab upper limit (DSA)
- Water circuit from South west corner to trench - T into trench heat exchanger primary circuit
- Water circuit trench heat exchanger - reverse primary flow direction.
- Trench water system #1878 :
 - -Correct the trench heat exchanger plumbing?
 - Roof water control "Manager" #1875 – complete.
- Diffuser iris 4 – possibly an air pressure issue.
 - Paperwork with Andy Nichols/Geoff Barber/Joe Tacon
 - Hardware (lift frame) with John Govans for test.

Code Updates C&M

- micenet lockout #1399 by end Jan.
- Compressed air at Diffuser not reported in EPICS, #1888
- SS magnet operational tutorials - practical
 - Ramp commands to SSU M coils
 - GUI updates - 'information only GUI for SS magnets for shifters'
 - State Machines for Alarms and Archiving, for
 - Target, #1896
 - Beamline, #1880
 - Services and Environment, #1881
 - Computing: UPSs #1213 ; File Compactor, #1895 ; ...
 - Macro 'code topology' documentation
 - Magnet monitoring GUIs should be made shift friendly (no access to compressors etc..)
 - Water pump GUI password protected, #1891

Electrical

- PPS functional test
- UPS batteries tests (RR1, 4x 0.5 day; Network at-risk 4th Jan. a.m.)
- DS Turret North-side Magnet-On lamp

- Pressure sensor for Boosted air, #1890
- Conventional magnets
 - Earth Leakage tests (Q789 at magnet)
 - Q2 power supply
 - magnet Interlocks alarm is inoperative

Detectors

- * Firmware for EMR spare
- * New Target control PC (RR1)
- * Target lasers/fibres test (RR1, 9th-13th Jan.)
- * [Restart R78 target test facility and test T2; rebuild S3?] (not in Hall but may take staff)