

7/VII/15

FC Readiness:

o Cooldown

Cold mass 143K (as of 7 July)
Shields ~100K
Same cooling rate, dT/dt , as it was in R9
Expect (by extrapolation):
 80K 14/7
 50K 15 - 16/7
 4-5K 16 - 17/7

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People who need to know (mainly the DL engineers) are aware of the following:

o Instrumentation:

 Load Cells connected but not registering in monitoring system (fuse?)

 Anti-icing heaters (13 C - seems rather cool)

o Powering:

 Need to:

 Test / demonstrate QP system

 Test / check PSU stability (longer cables than in R9)

 Earth fault protection:

 DL reviewing options;

 will try to install something next week

o Logging system

 Revamped fast logger for FC

 Demonstrate / learn how to use it

 How is it read out?

 Picologger (slowish) -- was used usefully in R9

 (Plugs into QP system)

 Recovered from R9 & checked

 (Currently in MICE offices for safety!)

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o ArchiveViewer

 Get working off-site

 Used to work but now some problems after move to hep1nv154

 (many layers of computers/firewalls)

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** Need to decide overall polarity of all magnets
? Polarity of SSU & SSD & relation to currents ?

** FC polarity & connections defined in MICE note 454
(NOTE Tesla's labelling of current feedthroughs on FC appears to be
incorrect;
see note 454.)