Water System Upgrade Status and Plans

• Currently close to on schedule
  • sensor replacement on track to finish late this week
  • Jeff arrives soon and can help with water electronics mounting and start fill/drain test preparations
  • Dan arrives next week and will assist with P0D readout replacement and checkout

• Schedule details
  • Following sensor replacement, water electronics need to be mounted
  • Cables can be cut (leave 1 foot or so of slack – DON’T BEND TOO MUCH!
  • Above work should be done by Tuesday next week
  • Fill/drain tests for 4 days after water electronics/cable work
  • P0D readout replacement can start in parallel with fill/drain tests
    • We can’t run cooling water until Andy is done with water cooling system
    • When Jeff is done with fill/drain tests he can do the replacement of cooling connections (Walter can consult remotely)
    • Presumably the cooling loops can be vacuum tested without Andy’s system?
  • Readout commissioning follows replacement
    • Without cooling we can’t run the RMMs continuously
• Fill/drain tests - plan
  • absolutely no filling until dry run with readout electronics – and plan
  • proposed plan – comments welcome...
    • Fill to 5 cm in each bag – verify all sensors reading out sensibly
    • Fill to half full in typical intervals – monitoring as fill progresses
    • Drain
    • Fill again to bottom level sensor
    • Top up to upper level sensor
    • Leave full (until October?)

• Main tank drain valve
  • VERY tight when full and moves when severely torqued
  • A failure (read breaking) of this valve would be catastrophic
  • Replacement or re-enforcing needs to be seriously considered
    • Could be replaced when P0D is left full
    • Need a plan and cost estimate for this potential work

• Budget reporting
  • Please get me the expenditures since early July when last reported
    • Important as other work depends on the budget of this work