ILCTA_MDB HTS Update

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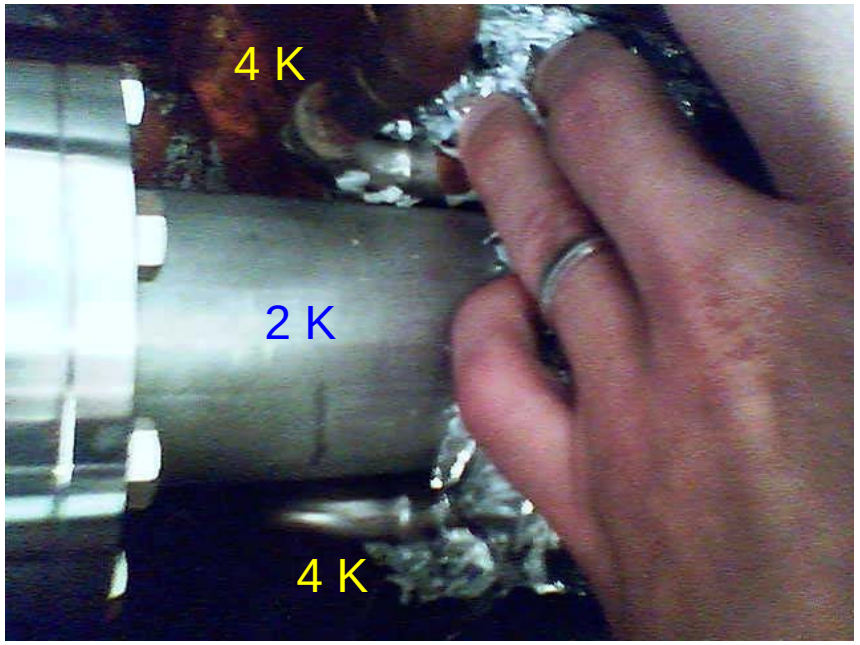
31-AUG-2006

Cryostat arrived at MDB 12-JUL

Since then…

- Cryostat leak-checked by TD T&I mechanical techs
- Cryostat support frame moved into cave
- Needed fixes identified
  - New rupture disc
  - Heat leak
- Cryostat safety document written
- LL dewar design sent to MS for fabrication



To do

- Install/leak check new rupture disc
- Install insulating shims around pipes
- Install/leak check LL dewar and piping
  - Dummy load for commissioning
- Move cryostat into MDB cave
- Problem: nobody available in TD to do this for ~3 weeks
  - T&I mechanical group are swamped with magnet work
  - Not likely to provide any continued support
  - So, what to do?
- AD will be working on instrumentation infrastructure in meantime

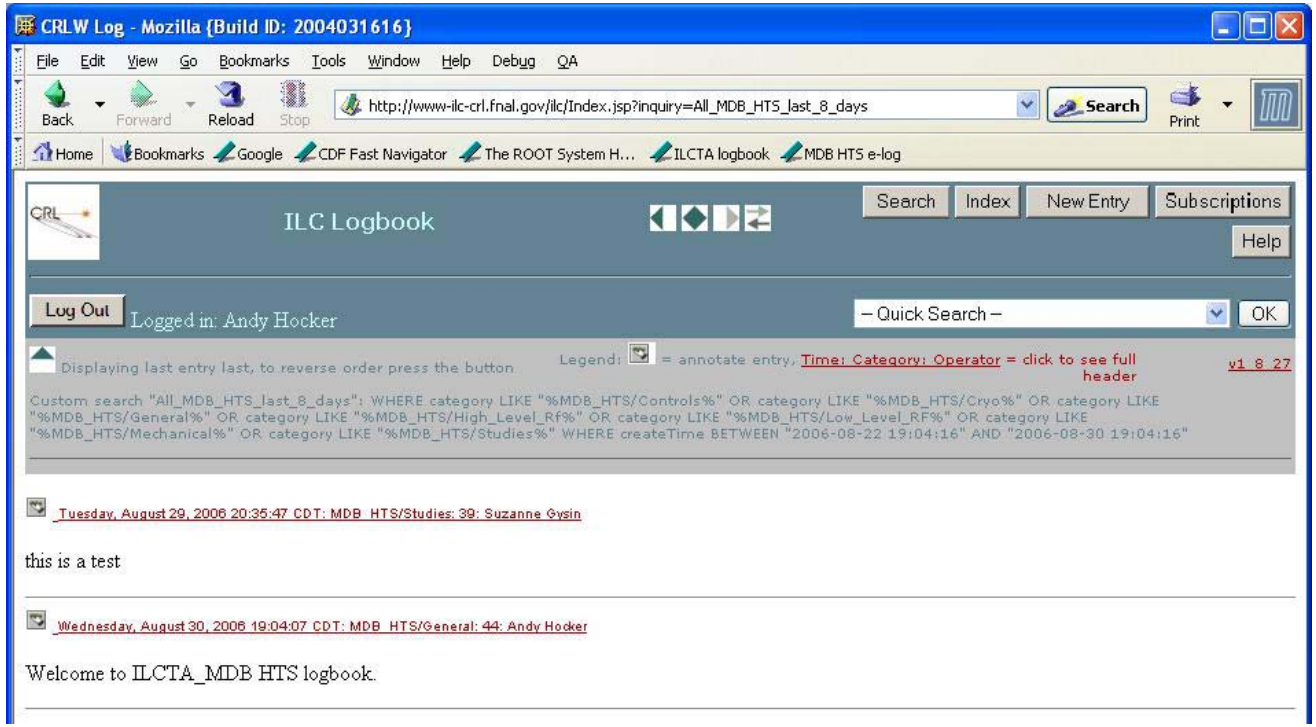
Milestones

- 20-SEP: All parts in hand/tech help available
- 29-SEP: Cryostat work finished
- 6-OCT: Cryostat installed in MDB cave and connected to feedbox
- 13-OCT: Safety review
- 20-OCT: Dummy load cooled to 1.8 K

Misc.

- 3 dressed cavities from DESY to arrive in ~3 weeks?
  - We get one
  - Will need an engineering document, I'm told
- AD guys were procuring cavity/coupler clean vacuum carts --- need to follow up
- Good progress at CC2 reading out coupler data via EPICS, using it to control synthesizer
  - First step in automation (and datalogging)

HTS has an e-log



Get a password from Michele McCusker (mccusker@fnal.gov)

E-log tutorial from Suzanne Gysin today at 15:30, here