MIPP slow controls

MIPP collaboration meeting
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Content

- Status of Acnet, iFix, other slow controls
  - Acnet
  - iFix
  - directly controlled from e907daq
- Monitoring – input needed
  - through Acnet and iFix
  - through MIPP DAQ

Controls – Acnet

- beam line magnets
  - available on MIPP Acnet pages
- JGG/Rosie power and Hall probes
  - for a long time now
- Droge HV for chambers
  - located in portacamp
  - need to make few cables, all material on hand
- Accelerator signals
  - will install in upstream MC7 rack, available in pkmp

Controls - iFix

- gas systems
  - understood, but only partly implemented in MC7
  - complex system with high level interface

Acnet and iFix integration

- Acnet
  - consoles in MC7 and portacamp
  - XML-RPC interface to MIPP DAQ working
- iFix
  - need iFix license for computer that will go into pkmp
  - no working interface to e907daq yet

Controls – directly from e907daq

- serial port box in MC7
  - 1440 HV
  - target wheel
  - needs a little work, but easy to do

Monitoring

- all previously mentioned systems
- lots of rack temperatures, air flows, voltages, etc.
  - need detailed list from every detector!
    (Yes, that is a request to you!)
  - iFix vs. MIPP DAQ
    - we had planned to use iFix for this
    - now want to use a few adcs and registers in MIPP DAQ
      - lots of channels needed, DAQ is easy to implement
      - already have some directly monitored systems (1440s, target)
      - iFix has no remote readout into e907daq yet
      - Terry Tope's techs should work on our gas systems, we will end up doing this ourselves anyway

list of slow controls and monitors

	control	monitor	Acnet	iFix	direct
beam line magnets	ok	ok	x		
beamCkov gas	!	!		x	
pmt HV (1440s)	!	!			x
TPC 10kV	?	?			?
TPC gas	-	?		x	
target wheel	!	!			x
chamber gas	-	?		x	
chamber HV (Droges)	ok	ok	x		
JGG/Rosie power	ok	ok	x		
JGG/Rosie Hall probes	-	ok	x		
RICH HV	(ok)	(ok)	x		
accelerator RF	-	-			x
rack monitoring, etc.	-	!			x