6/26/17 –Hall B Magnet I&C power loss/fast daq failure

1-4PM (some point Monday afternoon) power that feeds I&C racks was shutoff. Prior to the end of the day all power was restored except for one circuit that powers a strip in rack L2-10. No indications of faults or comms loss at this time

7PM – Rack L2-10 UPS battery finally died and the following devices lost power:

 DBX Cryocon 1, DBX Cryocon 2, DBX convectron controller, DBX CP probe, DBX Rhino 1 & Rhino 2, DBX PLC, Switch BETHSW8

 BETHSW8 serves following devices:

 DBX Touchscreen, Sol Touchscreen, DBX Cryocon 1&2, Sol Cryocon 1&2&3, NI LV daq,

 NBX1&2&3, clas12computer, Solenoid PLC chassis 1&2, Torus Point I/O, FastDAQ sol

8PM – Received a call from Dave Kashy regarding loss of DBX valve control and over pressure situation, being unable to ping DBX PLC I made the trip into hall

9PM - Power restored to L2-10 Power Strip, Solenoid PLC chassis 1 turned off

11:52PM – Fast DAQ Comm error, MPS current oscillations freeze. Assume fast daq death?

Deductions:

 -NI cRIO lost power

 -We need to add Text alerts for UPS on battery, not just UPS battery low

 -Torus Vacuum chassis comm needs text alert