

LCLS - II HE SXR INSTALLATION

Link to BPM HE installation information.

https://slac.sharepoint.com/:x:/r/sites/lcls/lcls-2/as/controls/_layouts/15/Doc.aspx?sourcedoc=%7B056B5D9F-206C-469D-B83A-BC07F687CE14%7D&file=BPM_installation_information-HE.xlsx&wdLOR=c347DD371-BD33-3E45-AC8E-D3BCFB711FD1&action=default&mobileredirect=true

1.) Create New HE Installation Branch on BpmSoft-App Update/add unds bpms to reflect all the new hardware configurations

- in sys0-bp05 we update unds bpm hardware information. **(completed)**
- calparmsUNDS rework this so that the fanouts links are in order. append new bpms! **(completed)**
- sys0-bp01 update the substitutions and ensure they are in order. **(completed)**
- sys0-bp03, nothing for now
- bp04 list of bpms that needs to be updated **(completed)**
- and bp06 needs to be updates **(completed)**
- update sub-arch files

2.) Displays and tools

- update displays gadc/unds_main, unds_cavity_bpm_calibration, matlab program to iron all the bpms, event/unds_main/bpms, network/unds_main

3.) Update bpmOpsTool.py

4.) Similarly repeat, for BPM app.

- Be sure to branch from the branch mr_branch_eic
- in iocBoot/lcls update as needed unds IOCs **(completed)**
- figure out MPS in iocBoot/lcls/sioc-unds-bp*/st.cmd
- sioc-unds-bp30 talks to the receivers (job is to talk to all the bpm ioc receivers (update confluence page). [LCLS Cavity BPM Receivers Network Information](#) **(completed)**
- bpm ioc receiver info to set sioc-unds-bp30/st.cmd **(completed)**

5.)

- talk to Jeremy to make sure we are all on the same page for bpm and mps connections. Make sure his bpm ioc references get updated as well