**LCLS-II OCTOBER PROJECT STATUS REPORT**

**DATE:** November 4, 2019

**LOCATION OF PROJECT:** Jefferson Lab

**SENIOR TEAM LEAD:** Joe Preble

**MONTHLY PROGRESS**

Summary

Report reflects September EV data. JLab continues to make significant progress in all areas. Cost, schedule, and scope are being managed to the baseline. We received earned value and variance data, analyzed data and submitted VARs.

EV Performance as of September close.

Overall % complete = 94.1%, SPI = 0.97, CPI = 0.99

Management

Developed a forecast for CM delivery with the required delay in shipping any CMs until November. Shipping hold lifted; shipped J1.3-01 (pCM) on October 25 to SLAC.

Cryomodules J1.3-05 and J1.3-16 were fully tested and removed from LERF.

Received request for equipment return from the LERF and CMTF; timing and cost are being developed.

Cryoplant System:

EV Performance as of September close.

Overall % complete = 91.1%, SPI = 0.96, CPI = 0.97

Completed Bench testing and transfer of the 4.5K cold box vacuum skid software.

Assembled 4K Cold Box fabrication documentation for transfer to SLAC.

Updated HMI screens to suit final 4.5K vacuum software.

Provided SLAC Draft Phase II commissioning documentation.

JLab Quality staff supporting formal review and transfer of LCLS-II commissioning documentation to SLAC.

Cryomodules:

EV Performance as of September close.

Overall % complete = 95.9%, SPI = 0.97, CPI = 0.99

Received request from SLAC to conduct another CM test in LERF to enable more LLRF development. Developing cost and schedule impacts. CM J1.2-20 will be used for the test.

J1.3-21- WS3W- Tuners; modify Magnet lead heat stationing parts.

J1.3-20- WS5- Configuring for LERF; Beam line & WCs.

J1.3-19- In CMTF; testing; pumped down to 2K and testing has been restarted. Cold Box 4 is functioning properly. Estimated warm-up date is 11/8/19. The delay will not affect the shipping schedule.

J1.3-18- WS6- Post-test configuration.

J1.3-16- Test Lab storage.

J1.3-11- Disassembly complete.

J1.3-07- WS6- Shipping Alignment.

J1.3-06R- WS3- Unite to UCM.

J1.3-05- Disassembly; remove WCs.

J1.3-02- In storage offsite.

J1.3-01 (pCM) – Shipped to SLAC Oct 25th.

