**LCLS-II JULY PROJECT STATUS REPORT**

**DATE:** August 5, 2019

**LOCATION OF PROJECT:** Jefferson Lab

**SENIOR TEAM LEAD:** Joe Preble

**MONTHLY PROGRESS**

Summary

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 June close.

Overall % complete = 92%, SPI = 0.97, CPI = 0.98

Management

Working BCRs for the CP commissioning change and rework of J11.

The last cold box for the cryoplant was shipped and delivered to SLAC.

Cryomodule J1.3-03 was shipped to SLAC July 26.

The final equipment FAT, IBX#1&2 and MTL#2, was successfully completed on July 31.

This month visitors were here testing CMs in the LERF.

Cryoplant System:

EV Performance

Overall % complete = 91%, SPI = 0.96, CPI = 0.97

The second 2K cold box, from Linde, was shipped and delivered to SLAC.

|  |  |
| --- | --- |
|  |  |
| C:\Users\mbevins\Downloads\image003.jpg | C:\Users\mbevins\Downloads\image001.jpg |

CP2 2K Cold Box Shipped and Delivered to SLAC.

|  |  |
| --- | --- |
| M:\LCLS-II\Project Photos & Videos\LN2 Dewar\LN2 Dewar 1.jpg | M:\LCLS-II\Project Photos & Videos\LN2 Dewar\LN2 Dewar 2.jpg |

LN2 Dewar weld check at vendor.

|  |  |
| --- | --- |
| https://lh3.googleusercontent.com/t6jVcFHqf3pF9DGzVAOHOINtkDOnqX35a7Y296rVMAAx0zJmlJ_nzqGt8Uy3rzhl-3fpmBvkwYe2ZDqYigBX-2w8DgZjHGe5-IMpcIQhG-Jna76UxSCn_eRuPL9vj3cHXqjqXGpf3g=w1245-h934-no | https://lh3.googleusercontent.com/mn6wPsdglTtUxjwgF56dyxEx1uGLDzSdhoC5s7EHBpsB2KutgC1v7xeyj7JCeah4OcOB-8NiCFlz0pUKOMs-Jrq6n7qeFF-IzLHNTwTmYyF-e6BKOu9c-vpD2Vsfz9ZQJy1J8z4w5Q=w1245-h934-no |
| https://lh3.googleusercontent.com/h1vYj2jvixCSkHdfLymspcIBLfW5d2W0mS9tCuJcjOo0PArzac7ugA4tZzyXV4LC2Z9kVGQ3IFPqYozwYuCriFQViupBoYu9dzGWNkGVK7vgBQrF4vVXPQzlLnjvKMN419xTddpR2A=w1245-h934-no | https://lh3.googleusercontent.com/CECrjiHB7kRv2RB0-I24TEIhGzCqIChANMB-4iqTu-DhRFxoy2NfJfZU6D1FDhCGFxkoR5j-tnOOFqkU7IHHB6o7E1juF-oqs_1B664j2zqSpsQkaL9JXVzhAFit98TM7aM4s-JzSQ=w1245-h934-no |

Second Interface Box and Multi-transfer line factory acceptance test successfully completed.

Major equipment continued to be shipped to SLAC.

Component Count = 94. Delivered = 91. In Fabrication = 2. Installed = 89. In storage = 2.



Upcoming CryoPlant Events:

Delivery of 2nd LN2 dewar and the interface Boxes and last Multi Transfer Line are scheduled for September.

Cryomodules:

EV performance

Overall % complete = 94%, SPI = 0.96, CPI = 0.98

Received direction from project to begin rework on J11. EAC details in development.

LERF testing is ongoing – J16 & J5 – J16 acceptance testing is complete and SLAC tests are ongoing. FPC High Qext studies; 8-cavity GDR run was completed, 16 cavity running ongoing.

J1.3-06 - One of eight cavities are qualified for the string.

J1.3-21 – Eight cavities are qualified for the string.

J1.3-20 – WS2; Phase piping and instrumentation.

J1.3-19 – WS3; Tuner installation on-going

J1.3-18 – WS5; Warm couplers and beam pipes for testing.

J1.3-17 – CMTF for testing.

J1.3-16 – Testing in LERF

J1.3-11 – In storage

J1.3-09 – Disassembled

J1.3-07 – WS3, BPM hardware replacement – complete and leak tight

J1.3-06 - Disassembled

J1.3-05 –Testing in LERF

J1.3-03 – Shipped to SLAC July 26.

J1.3-02 – Waiting for cantilever fixture for retrofit; In storage offsite

J1.3-01 – In storage

J1.3-04,08,10,12,13,14,15@SLAC

