

Summer Downtime Update

- Downtime dashboard: https://slac.sharepoint.com/sites/AD/committees/iwp/Pages/IWP-Dashboard-2024-2025-Downtime.aspx
 - Find a link to Sharon's latest downtime slides near the top
- We're currently on the 60kV power feed so power is limited.
- The LINAC EAST downtime is ending soon! Just under 2 weeks left...
 - Please close out your caters asap!
- Linac West and FACET continue until Sept. 30
- Daily 8:15 meetings resume 8/19

CATER buckets for all the PAMMs and POMMs until the winter Downtime are now available :)

Note there is a Linac east PAMM
happening when our buildings will
have no power Sept 4-11
(more on another slide)

12/21/2024	0.410412000E			
	01/01/2025	All Accelerators	PAMM	Winter downtime
12/16/2024	12/21/2024	LCLS	PAMM	BTH open during PPS certification
12/11/2024	12/11/2024	SC_Linac_MD	POMM	Linac West POMM
12/03/2024	12/05/2024	AOSD LCLS	PAMM	Linac east + downstream 1 day PAMM, Linac west & facet 2.5 day PAMM
11/27/2024	11/27/2024	LCLS	POMM	Linac East & BSY POMM
11/18/2024	11/20/2024	All Accelerators	PAMM	Linac East+BSY 1.5 days, rest 2.5 day pamm
11/13/2024	11/13/2024	SC_Linac_MD	POMM	Linac West POMM
11/05/2024	11/07/2024	All Accelerators	PAMM	LCLS-NC+downstream 1 day, LCLS-SC & FACET 2.5 day PAMM
10/30/2024	10/30/2024	LCLS	POMM	Linac east + BSY POMM
10/21/2024	10/23/2024	All Accelerators	PAMM	LCLS-SC, FACET-II, LCLS-NC and downstream
10/08/2024	10/09/2024	All Accelerators	PAMM	LCLS-SC + FACET two day and LCLS-NC + downstream one day PAMM
10/02/2024	10/02/2024	LCLS	POMM	Linac east & BSY POMM
9/23/2024	09/25/2024	LCLS	PAMM	Linac east + downstream PAMM
9/10/2024	09/10/2024	LCLS	PAMM	Linac east + downstream
)9/04/2024	09/04/2024	LCLS	POMM	Linac east & BSY POMM
7/05/2024	09/30/2024	All Accelerators	Downtime	FACET & Linac West Summer Downtime, bucket closes 6/14 17:00
7/05/2024	08/21/2024	LCLS	Downtime	Linac East Summer Downtime, bucket closes 6/14 17:00
12 12 11 11 11 11 11 11 11 11 11 11 11 1	2/11/2024 2/03/2024 1/27/2024 1/18/2024 1/13/2024 1/05/2024 0/30/2024 0/21/2024 0/08/2024 0/02/2024 0/02/2024 0/10/2024 0/04/2024	2/11/2024 12/11/2024 2/03/2024 12/05/2024 1/27/2024 11/27/2024 1/18/2024 11/20/2024 1/13/2024 11/13/2024 1/05/2024 11/07/2024 1/05/2024 10/30/2024 10/23/2024 10/09/2024 10/02/2024 10/09/2024 10/23/2024 10/02/2024 10/23/2024 10/02/2024 10/23/2024 10/02/2024 10/23/2024 10/02/2024 10/23/2024 10/02/2024 10/23/2024 10/02/2024 10/02/2024 10/02/2024 10/03/2024 10/02/2024 10/03/2024 10/02/2024 10/03/2024 10/03/2024 10/03/2024 10/03/2024	2/11/2024 12/11/2024 SC_Linac_MD 2/03/2024 12/05/2024 AOSD LCLS 1/27/2024 11/27/2024 LCLS 1/18/2024 11/20/2024 All Accelerators 1/13/2024 11/13/2024 SC_Linac_MD 1/05/2024 11/07/2024 All Accelerators 0/30/2024 10/30/2024 LCLS 0/21/2024 10/23/2024 All Accelerators 0/08/2024 10/09/2024 All Accelerators 0/02/2024 10/02/2024 LCLS 9/23/2024 09/25/2024 LCLS 9/10/2024 09/10/2024 LCLS 9/04/2024 09/04/2024 LCLS 7/05/2024 09/30/2024 All Accelerators	2/11/2024 12/11/2024 SC_Linac_MD POMM 2/03/2024 12/05/2024 AOSD LCLS PAMM 1/27/2024 11/27/2024 LCLS POMM 1/18/2024 11/20/2024 All Accelerators PAMM 1/13/2024 11/13/2024 SC_Linac_MD POMM 1/05/2024 11/07/2024 All Accelerators PAMM 0/30/2024 10/30/2024 LCLS POMM 0/21/2024 10/23/2024 All Accelerators PAMM 0/08/2024 10/09/2024 All Accelerators PAMM 0/02/2024 10/02/2024 LCLS POMM 9/23/2024 09/25/2024 LCLS PAMM 9/10/2024 09/10/2024 LCLS PAMM 9/04/2024 09/04/2024 LCLS POMM 7/05/2024 09/30/2024 All Accelerators Downtime



Downtime LAF Timelines - Searches/PPS-BCS Testing/Outages

08/04/2024 LINAC West K- Sub 04 Outage- systems on generator power	08/05/2024 • BSY Floor search • S20 Ini Mod Test • VVS PPS Testing • Sweep of BTH, EBD-FEE at 3pm • Hutch PPS • LINAC West K-Sub 04 Outage– systems on generator power	08/06/2024 • Sweep of BTH, EBD-FEE at 3pm • Hutch PPS • LINAC West K- Sub 04 Outage- systems on generator power	08/07/2024 • ~6am 60kV Switchover • 7am RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K-Sub 04 Outage– systems on generator power	08/08/2024 • Site on 60kV line • RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K-Sub 04 Outage– systems on generator power	08/09/2024 • Site on 60kV line • RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K-Sub 04 Outage– systems on generator power	08/10/2024 • Site on 60kV line • RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K-Su 04 Outage– systems on generator power
08/11/2024 P Site on 60kV line RA Substation Outage – Phase 1 (B910, B911, B912, B913) LINAC West K-Sub 04 Outage– systems on generator power	08/12/2024 • Site on 60kV line • RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K-Sub 04 Outage– systems on generator power	08/13/2024 • Site on 60kV line • RA Substation Outage – Phase 1 (B910, B911, B912, B913) • LINAC West K- Sub 04 Outage– systems on generator power	08/14/2024 • Site on 60kV line • Recovery of B910, B911, B912, B913 • RA Substation Outage – Phase 2 • LINAC West K-Sub 04 Outage – systems on generator power	Site on 60kV line Sweep of BTH, EBD-FEE at 3pm Hutch PPS BTM Refilling LINAC West K-Sub 04 Outage-systems on generator power	08/16/2024 • Site on 60kV line • Sweep of BTH, EBD-FEE at 3pm • BTM Refilling (contingency) • LINAC West K-Sub 04 Outage– systems on generator power	Site on 60kV line LINAC West K-Su 04 Outage- systems on generator power
08/18/2024 • Site on 60kV line • LINAC West K-Sub • 04 Outage– systems on generator power	08/19/2024 • Site on 60kV line • LINAC West K-Sub 04 Outage– systems on generator power • BAS – LCLS NC	08/20/2024 • Site 230kV Switch • Searches LINAC East/BSY • LINAC West K- Sub 04 Outage- systems on generator power • BAS – LCLS NC	08/21/2024 • LCLS NC Startup • LINAC West K-Sub 04 Outage– systems on generator power	08/22/2024 • LCLS NC Startup • Searches BTH/EBD-FEE • LINAC West K-Sub 04 Outage- systems on generator power ac sharepoint com/%3ar	08/23/2024 • LCLS NC Startup • LINAC West K-Sub 04 Outage– systems on generator power	08/24/2024 LCLS NC Startup LINAC West K-Su 04 Outage— systems on generator power //wp/shared_docs/

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Downtime LAF Timelines - Program/Outages

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08/25/2024 • LCLS NC Startup • LINAC West K-Sub 04 Outage- systems on generator power	08/26/2024 • LCLS NC Startup • LINAC West K-Sub 04 Outage– systems on generator power • TUP – B081 Power Outage • North Gallery Road blocked \$25-\$30 for road grinding – All Day	08/27/2024 • LCLS NC Startup • LINAC West K-Sub 04 Outage— systems on generator power • B050 UPS 3/4/5 PM • TUP – B081 Power Outage	08/28/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage– systems on generator power • B050 UPS 3/4/5 PM • TUP – B033 Power Outage 3-4 hours	08/29/2024 • LCLS NC Users • Searches BTH/EBD-FEE • LINAC West K-Sub 04 Outage– systems on generator power • B050 UPS 3/4/5 PM	08/30/2024 • LCLS NC Users • Search LINAC Middle to reset clock for FACET II access period • LINAC West K-Sub 04 Outage– systems on generator power	08/31/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage- systems on generator power
09/01/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage— systems on generator power	O9/02/2024 LCLS NC Users LINAC West K-Sub 04 Outage– systems on generator power	09/03/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage— systems on generator power	09/04/2024 • LCLS NC POMM • LINAC West K-Sub 04 Outage- systems on generator power • TUP Power Outage > B024 > B025 > B029 > B034 > B035 > Chiller 25S Starting outage early ~4-5AM	09/05/2024 • LCLS NC Users • Searches BTH/EBD-FEE • LINAC West K-Sub 04 Outage—systems on generator power • TUP Power Outage > B024 > B025 > B029 > B034 > B035 > Chiller 25S	09/06/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage– systems on generator power • North Gallery Road blocked S25-S30 for microsurfacing – All Day • TUP Power Outage > B024 > B034 > B035 > Chiller 25S B025 & B029 Re- energized in the afternoon	09/07/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage— systems on generator power • North Gallery Road blocked S25-S30 for road hardening – All Day • TUP Power Outage > B024 > B034 > B035 > Chiller 25S

Downtime LAF Timelines - Program/Outages

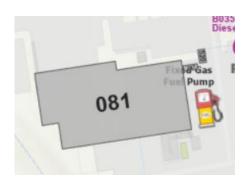
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09/08/2024 • LCLS NC Users • LINAC West K-Sub 04 Outage— systems on generator power • TUP Power Outage > B024 > B034 > B035 > Chiller 25S	09/09/2024 • LCLS NC Startup • LINAC West K-Sub 04 Re-energization • TUP Power Outage > B024 > B034 > B035 > Chiller 25S	09/10/2024 • LCLS NC PAMM • TUP Power Outage > B024 > B034 > B035 > Chiller 25S	09/11/2024 • LCLS NC Users • TUP Power Restored > B024 > B034 > B035 > Chiller 25S	09/12/2024 • LCLS NC Users Power restored to B024, B034, B035	09/13/2024 • LCLS NC Users • North Gallery Road S25-S30 striping – traffic control	09/14/2024 • LCLS NC Users
09/15/2024 • LCLS NC Users	09/16/2024 • LCLS NC Users • IR-2 PM – pending planning	09/17/2024 • LCLS NC Users • IR-2 PM – pending planning	09/18/2024 • LCLS NC Users • IR-2 PM – pending planning	09/19/2024 • LCLS NC Users • IR-2 PM – pending planning	09/20/2024 • LCLS NC Users • IR-2 PM – pending planning	09/21/2024 • LCLS NC Users
09/22/2024 • LCLS NC Users	09/23/2024 • LCLS NC PAMM	09/24/2024 • LCLS NC PAMM	09/25/2024 • LCLS NC PAMM	09/26/2024 • LCLS NC PAMM Recovery	09/27/2024 • LCLS NC Users • LINAC Middle Searches • FACET II BAS	09/28/2024 • LCLS NC Users
09/29/2024 LCLS NC Users	09/30/2024 • LCLS NC Users • FACET II BAS eeting – August 8, 2024	10/01/2024 • LCLS NC Users • FACET II Startup • LINAC West Searches • LCLS SC BAS	10/02/2024 • LCLS NC POMM • FACET II Startup • LCLS SC BAS	10/03/2024 • LCLS NC Users • FACET II Startup • LCLS SC BAS	10/04/2024 • LCLS NC Users • FACET II Startup • LCLS SC Startup	10/05/2024 • LCLS NC Users • FACET II Startup

New carpet in parts of B34!

Temporary Utility Power (TUP) Project

- Temporary Utility Power (TUP) Project supports the replacement of 25S switchgear and Switch#4.
- TUP would be providing power to the buildings/areas affected for the duration of the 25S switchgear replacement.
- TUP involves the utilization of portable substations, overhead conductors, and temporary switchgear.

Phase 1



B081 Power Outage Duration 2 Days Aug 26 & Aug 27

Planning Meetings:

06/03/2024 @ 9:30am 07/02/2024 @ 1pm 07/23/2024 @ 1pm

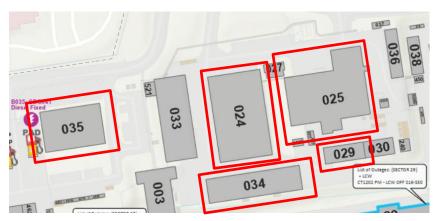
08/01/2024 Meeting with Subcontractor TTI and EPD 08/05/2024 of appropriate Meeting – August 8, 2024

Phase 2



B033 Power Outage Duration 3-4 Hours Aug 28

Phase 3 – Part I and Part II



Buildings 024, 025, 029, 034, 035, Chiller 25S

Power Outage Duration – 3 days each for Parts I & II split around a weekend (outage for all 6 days plus the weekend)

Sept 4 to Sept 11

(Planning R025 & R029 to be done first and re-energized Friday)

(Planning B025 & B029 to be done first and re-energized Friday ~09/06)

PM: Andi Schoppa 6

LCLS-II-HE K-Sub 04 Outage

Where

 Sectors 07 -10 in the Klystron Gallery & Linac Housing

When

Monday 8/1/24 through Tuesday 9/6/24

Why

 K-Sub 04 will be down for 5 weeks to allow for electrical re-routing to avoid conflicts with new structural steel associated with the new cupola that will house a new cryo-distribution box

What will be affected

 All Power in sectors 07-08 will be down, and several racks will be impacted in sectors 09-10

Mitigations

Generators (plus N+1 back ups) will be provided to ensure power to:

- Sector 07-10 I&C Alcoves
- Distribution Panel in Sector 08 serving S08 racks
- Sector 07 Air handling unit
- Sec. 07 ODH
- Cryo Control racks
- Each Generator will take about 1 hour to transfer loads, during which time, power will be completely off

Extension Cords will be run to provide power to:

Cryo Control racks 14&15 in sec. 07

Task lighting will be provided in the Linac Housing

- No Linac Housing Access in sectors 00-10 6am-5pm on 8/1/24
 What will remain down:
- L2KG071-38
- Lighting and house powers in sectors 07-08
- SSAs in sectors 07-08

PM: *Miles Bianchi*570-350-5688
Controls Software Group Meeting – August 8, 2024

The HE Update Long Downtime (LTD) is coming...

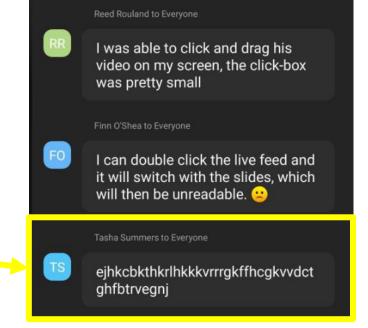
See the memo sent on 7/30 from Greg Hays (LCLS-II-HE Project Director)

- The LDT is needed for LCLS HE upgrade installation (adding lots of cryomodules and more):
 - LDT begins Friday November 21, 2025 (Thanksgiving is the next week)
 - Return to Operations is March 1, 2027
- Important the LCLS-Cu and FACET accelerators continue to run a user program during this time.
- There will still be a 2025 Summer Downtime for LCLS-Cu, LCLS-SC, and FACET, starting in July.



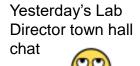
Other things SLAC wants you to know

- They're encouraging everyone to participate in the upcoming Culture Study by Gallup: https://intranet.slac.stanford.edu/event/2024/07/lunch-learn-slac%E2%80%99s-culture-study
- Remember the new training requirement for course 219 this is now yearly: https://intranet.slac.stanford.edu/news/2024/07/important-changes-required-training-and-badge-expirations
- You are encouraged to share your feedback about the downtime: https://intranet.slac.stanford.edu/news/2024/07/feedback-summer-downtime-coordination
- Now is the time to pick up your YubiKey USB multi-factor authentication token. Required for SLAC employees!
 - This past Tuesday was the last organized event to pick yours up, but you can pick yours up at B050 and set it up yourself.
 - Beware that touching it will dump a random string of characters. Slack channels are full of them. So are Zoom chats. Don't be like me:)



Webinar chat

Close





BOLD PEOPLE VISIONARY SCIENCE REAL IMPACT BOLD PEOPLE VISIONARY SCIENCE REAL IMPACT

Special Presentation

Tasha Summers, James Bong, Jeff de Lamare, Joe DeLong

Recap of ARW 2024 workshop.