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## **C3Or3A-06: LCLS-II Linear Accelerator Cool-Down And Pump-Down**

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SLAC National Accelerator Laboratory has upgraded to LCLS-II, featuring a 4 GeV superconducting linear accelerator composed of 37 cryomodules and two large helium refrigeration systems with a cooling capacity of 4 kW at 2.0 K. LCLS-II linear accelerator was successfully cooled from ambient temperature to 4.5 K and then to its final operating temperature of 2.0 K (31 mbar). In this paper, we describe the cool-down strategy, provide details of the 2.0 K pump-down results, and discuss the challenges faced during commissioning.

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