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**Preliminary results from the Pleiades experiment** PAUL KEITER, JOHN KLINE, NICK LANIER, MARTIN TACCETTI, BARBARA DEVOLDER, KATIE MUSSACK, GLENN MAGELSSSEN, BOB PETERSON, Los Alamos National Laboratory, JOHN MORTON, ALASTAIR MOORE, MARK STEVENSON, Atomic Weapons Establishment — We present preliminary experimental results from the Pleiades experiments, which were performed on the National Ignition Facility. The experiments consist of a 3.5 mm diameter hohlraum, which is irradiated by 80 laser beams with a total of 360 kJ in 2.5 ns. On the end of the hohlraum is a 200 micron long, 2 mm diameter SiO<sub>2</sub> foam. We will present the requirements of the campaign as well as the diagnostic configuration. We will present hohlraum temperature measurements as well as radiographic measurements.

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