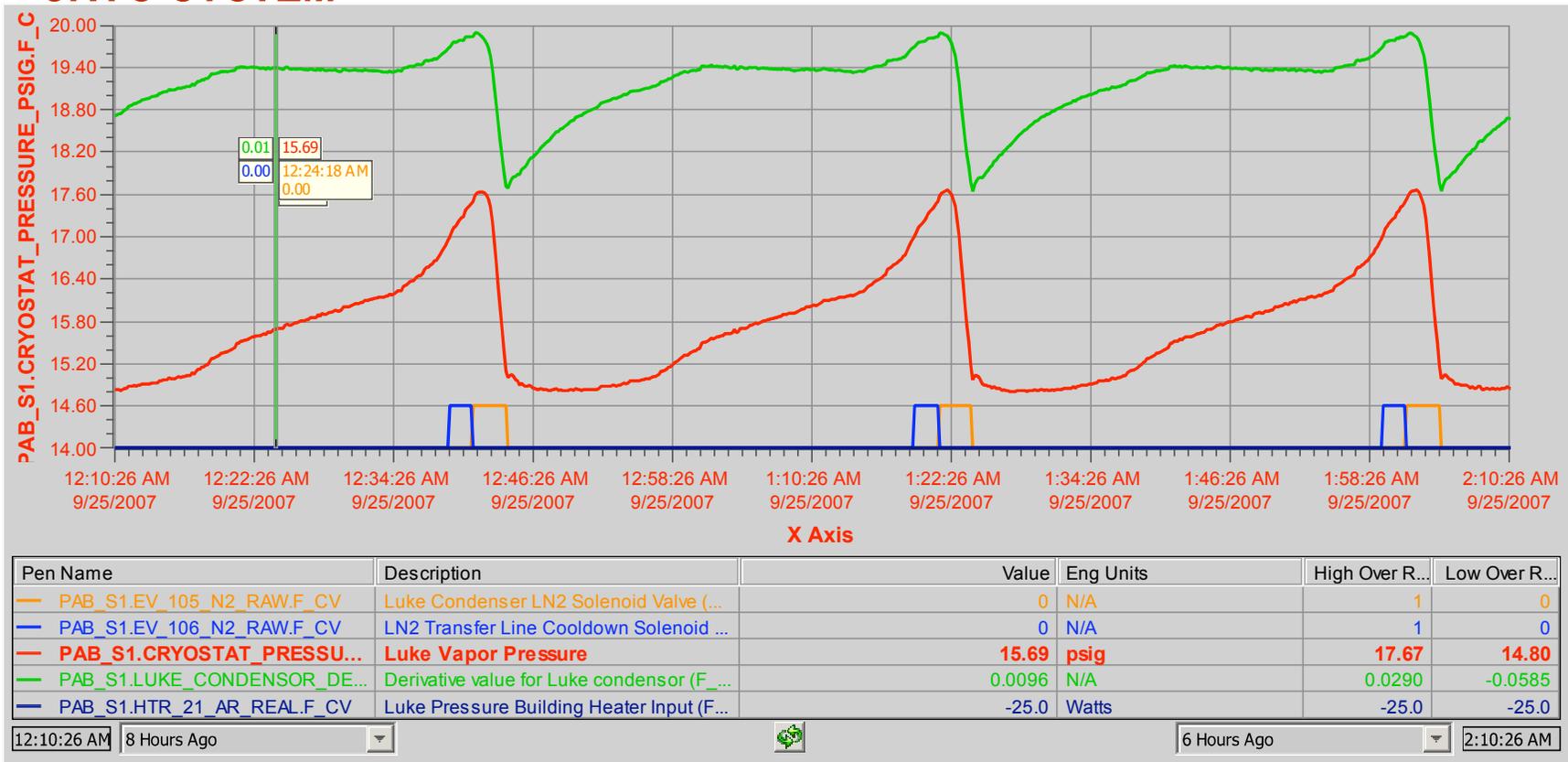


CRYO SYSTEM FLARE HISTORICAL DATA - LN2

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Above is a plot of historical data for the 1st time "Luke" was operated as a closed system using the LN2 powered condenser. For unknown reasons, the purity declined greatly over the 3 days the condenser was operated.

Description of a typical condenser cycle.

- 0m0s - LN2 piping cool down starts when cryostat pressure reaches 17.0 psig.
- 2m8s - LN2 piping cool down ends and LN2 begins to flow to condenser. Cryostat is at 17.6 psig.
- 5m4s - LN2 flow into condenser stops when cryostat pressure falls to 15.0 psig.
- 10m40s - Cryostat reaches a minimum pressure of 14.8 psig.
- 40m0s - LN2 piping cool down starts again and the cycle repeats.