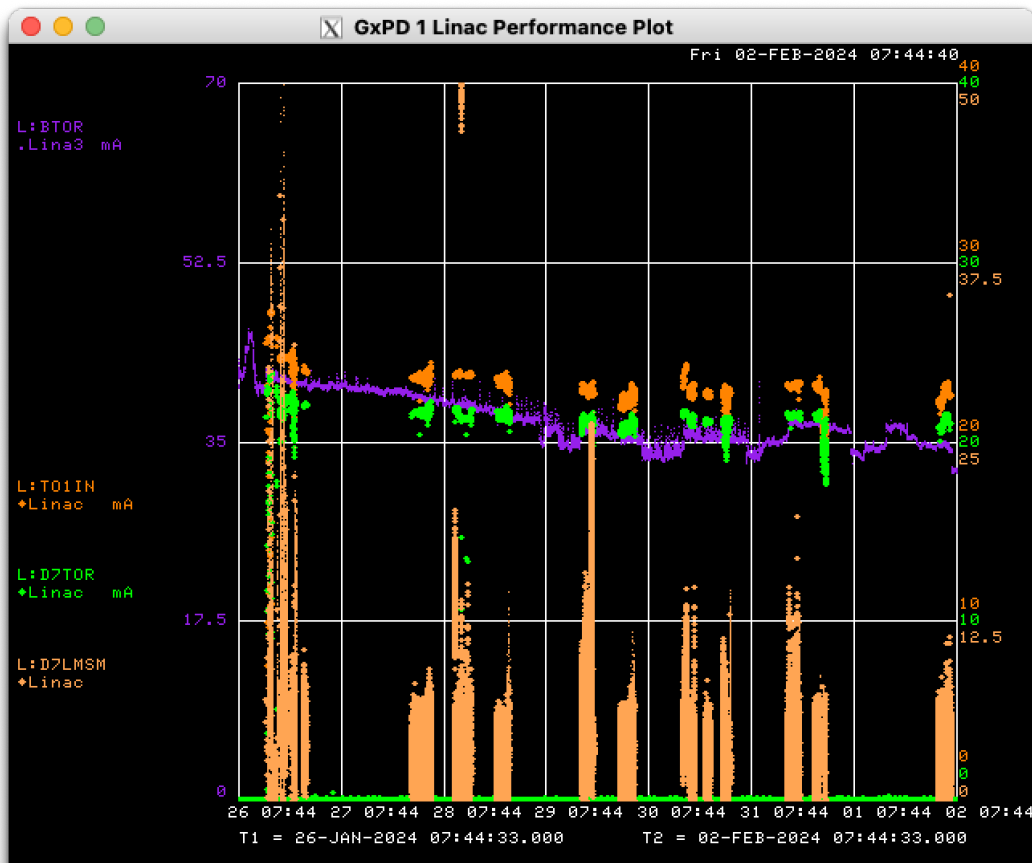


Linac Status

- Running beam studies when there is no MTA berm work
 - Afternoons past 3PM until Feb 01
 - No berm work >1h anticipated going forward (at least Fri)



Plan for next week:

- Linac is in standby.
- Plan to run studies until Booster is ready to turn on

Linac Studies Status

- Wire scanner/fly wire measurements
- MEBT measurements
 - Understanding collimator effect
 - Trim scans
 - Quad focusing & emittance
- Source A aperture restriction
- Linac optics measurements
 - Trim scans & 3-bump test
 - Test autotune upstream of Mod7
- Beam trajectory & focusing
 - *Scan quads with beam off-center*

Completed

On-going

Planned

Linac Studies Status (2)

- Commissioning of PMT-based BLM in DTL
- Longitudinal measurements
 - Longitudinal trajectory measurements
 - *Compensation w/ linear fitting*
 - Compensation w/ ML model
 - *Beam profile measurements w/ BSM*
 - Cavity phasing
- Deliver PIP-II intensity ($6.7e12$ ppp) to Booster
 - *Deliver 60 microsec 22mA beam through Linac*
- Development & test of HLAs for PIP-II
 - Data collection
 - *Data analysis (optics, cavity phasing, wirescan)*

Completed
On-going
Planned