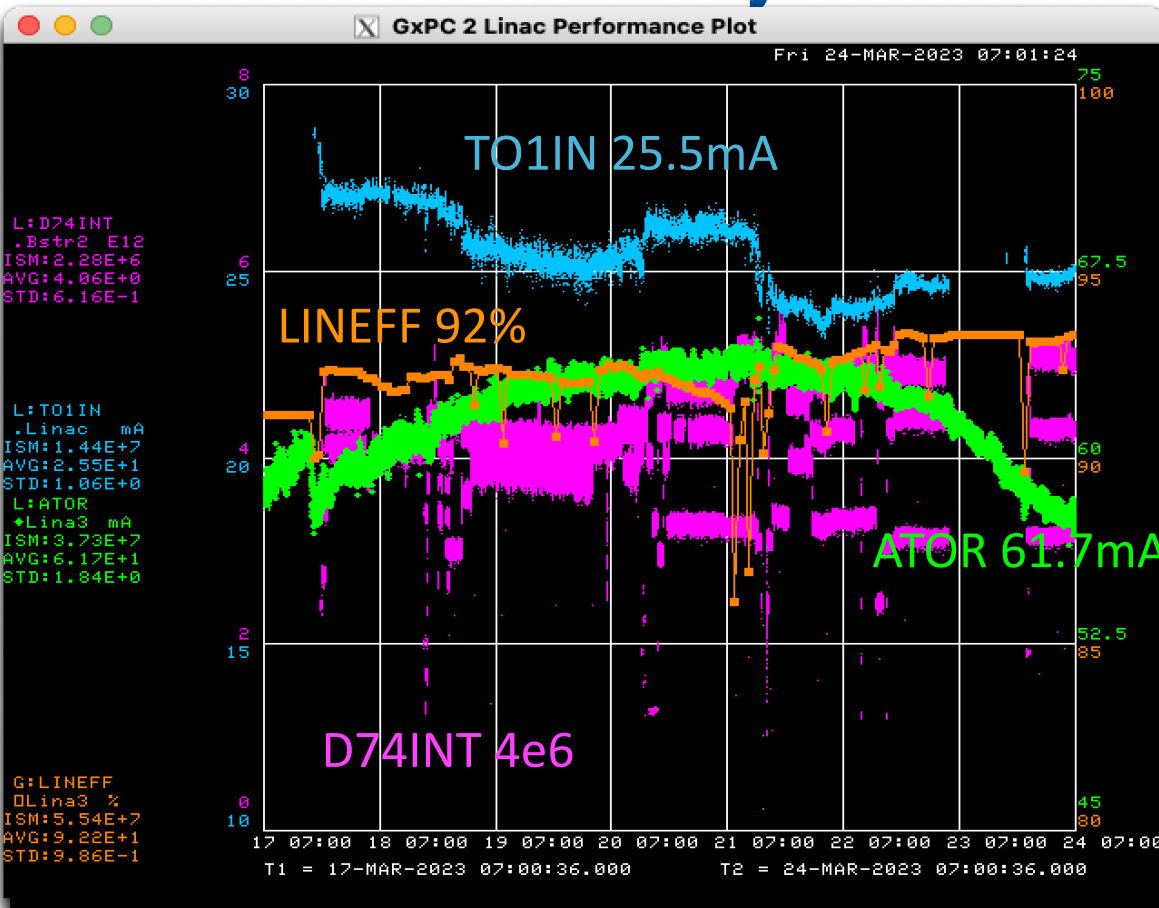


Preacc/Linac Weekly Performance



Fri: T5 vacuum, LRF5 OI

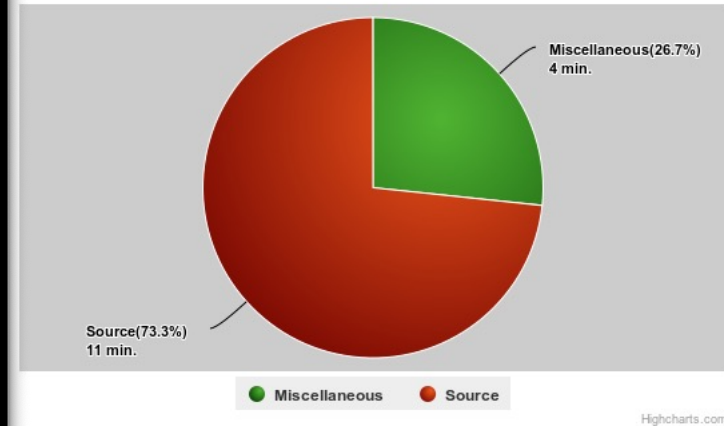
Sat: source B modulator fail, LRF5 OI

Tue: KRF5 blower replacement, LRF5 OI

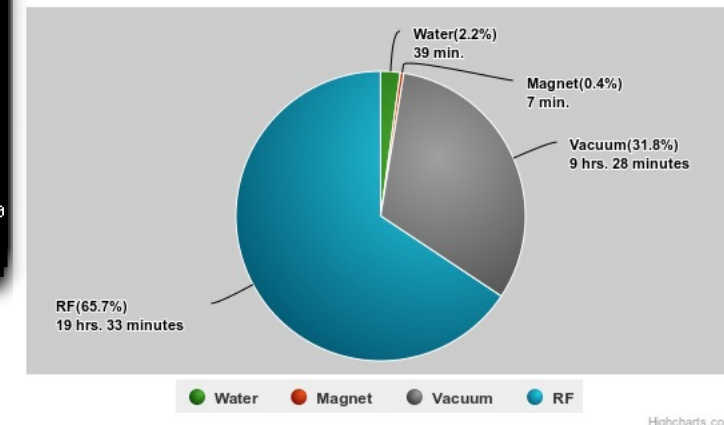
Thur: Buncher Klystron water leak and replacement

Other trips: LRF1 OI, LRF1/2/4 OG, LRF1/2/3/5 DA OL, LRF4 cell trip, KRF2 phase

SYSTEMS Downtime
 refined by PREACC, Beam_Inhibit_Failure
 from 3/17/2023 08:00:00 to 3/24/2023 08:00:00 (168.0 hrs.)



SYSTEMS Downtime
 refined by LINAC, Beam_Inhibit_Failure
 from 3/17/2023 08:00:00 to 3/24/2023 08:00:00 (168.0 hrs.)

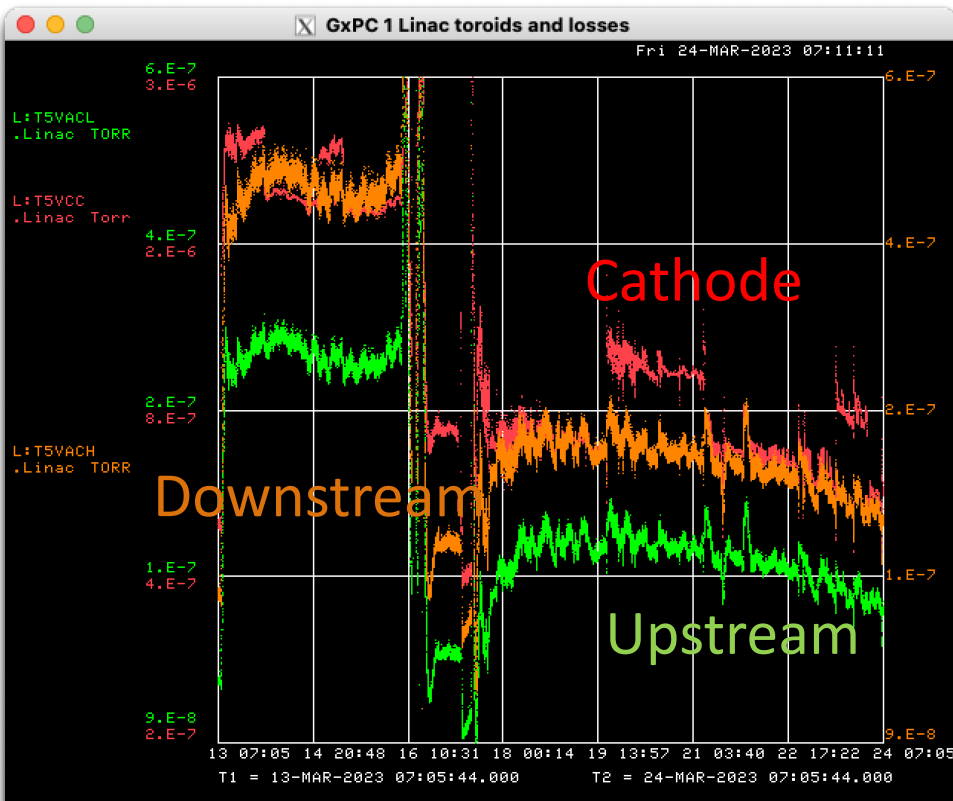


All week:
 KRF2 & KRF5 CS fault

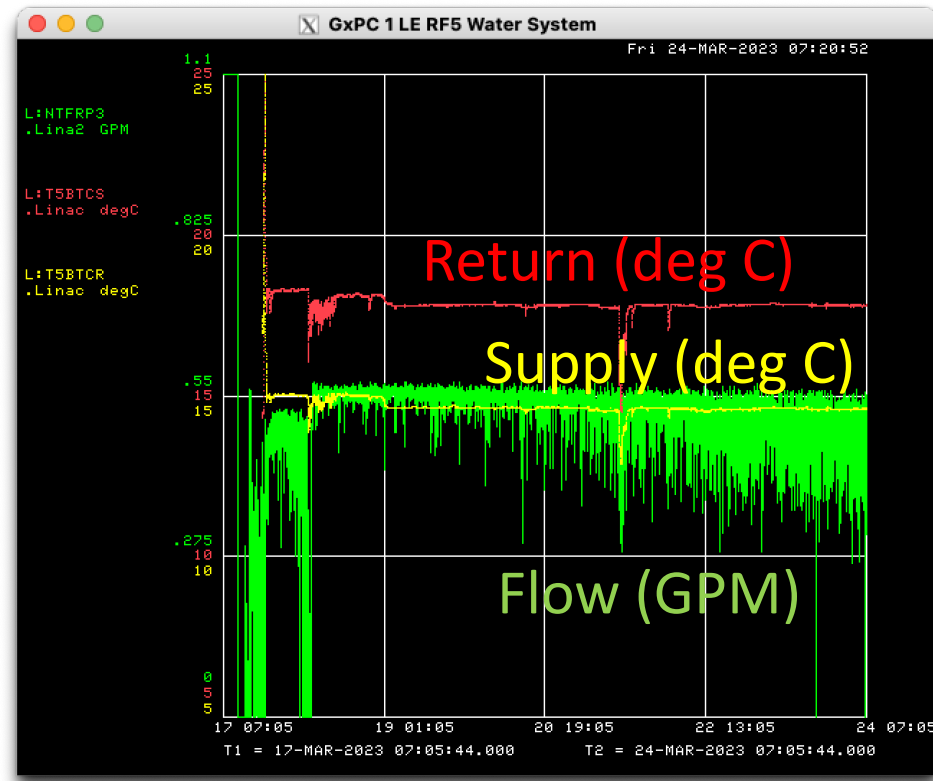
LE Tank 5 Vacuum

- Installed dedicated skid for T5 bulk tuner (thanks MSD & Kent T. and Jeff L.)
- Vacuum and temps holding mostly steady since
 - Flow meter reading unsteady because of low flow rate & pressure

T5 vacuum

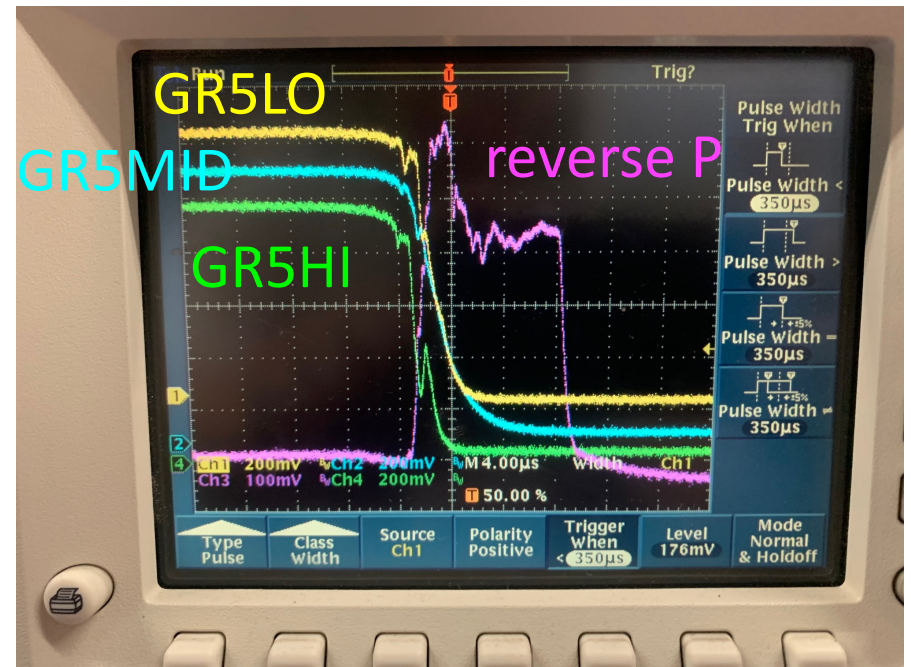
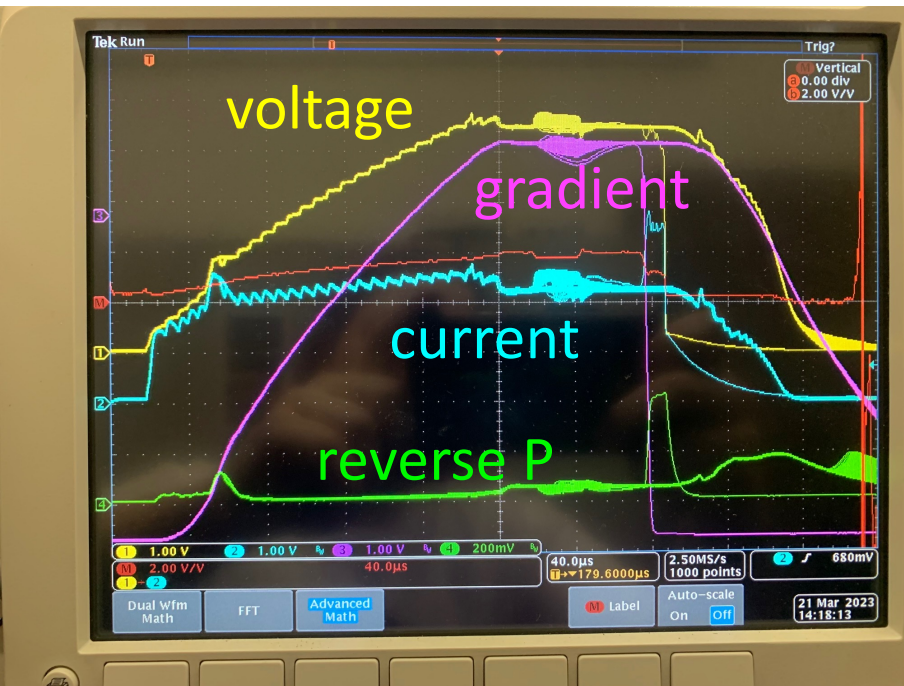


Bulk tuner skid params



LRF5 OI Trips

- Bouts of up to 10 OI trips one after the other
- From diagnostics appears to be cavity sparking
- Seems correlated with T5 vacuum / temperature
 - Most frequent after cavity off, until temperature equilibrium
- Thanks Ops for helping diagnose & resetting



Buncher Klystron & Transformer Replacement

- 5AM Thursday Buncher tripped on coil comparator & ground fault
- Water leak discovered on Klystron/top of transformer
 - Given place of the leak and observed liquid level in transformer, likely oil was contaminated: decided to replace full assembly
 - Had one spare assembly
- After turning on had to do a lot of phase/gradient regulation tuning
 - Beam to BNB reestablished ~9PM



Plans

- Need ~1h downtime for KRF6 fan coil replacement
 - Need advance notice – contractor work