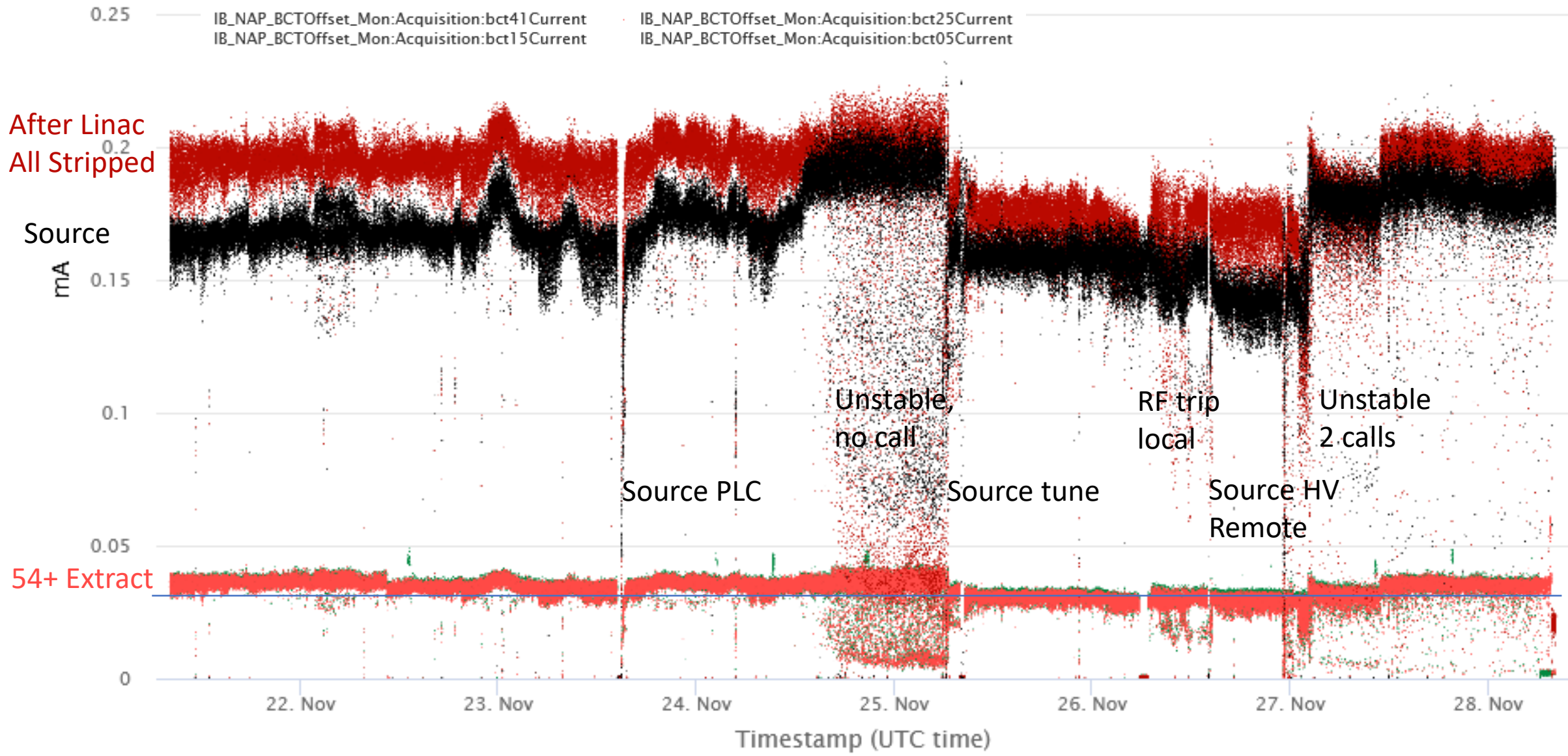





Linac3 – Week 47

R. Scrivens, 29/11/2022

- The availability of the Linac3 was quite good, with two source trips and one RF trip during the week (each about 1 hour downtime).
 - RF Cavity 1 – Amplifier trip, local reset, gravity switch blocked, RF team helped by telephone.
 - Source trips
 - Source interlock PLC went into Failsafe mode - needed a PLC power cycle. Will make 1 test this week. Source PLC expert helped remotely.
 - Source HV trip, just required a reset.
- The source stability was not so good, and it required a lot of tuning – with it behaving like the good conditioning had been lost. On Friday and Saturday it was not possible to keep the Linac's intensity target (average of 29uA achieved).
- The source would go unstable and needed slow tuning to recover.
- On Sunday morning the conditioning had improved, and it was possible to get above the 30uA and quite stable.
- Change of stripper foil during the week.



MD and Test Programme for Week 48 (Monday to Wednesday)

<p> 28 Nov 2022</p>	<p>AM: RF Reference measurements</p> <p>PM: Stripper foil 29+ test (all foils)</p>
<p> 29 Nov 2022</p>	<p>AM: RF Reference measurements</p> <p>PM: Extraction gap change, retune, ITL emittance</p>
<p> 30 Nov 2022</p>	<p>AM: Extraction gap final tune. ITF FGC updates. Possible change of ITF BCT amplifier (Dolenc)</p> <p>PM: Magnet Tests (Source+RF switch off before magnet tests, rest of Linac at end of day)</p> <p>Switch OFF and ON the Sairem2, do we see the warm up problem?</p>