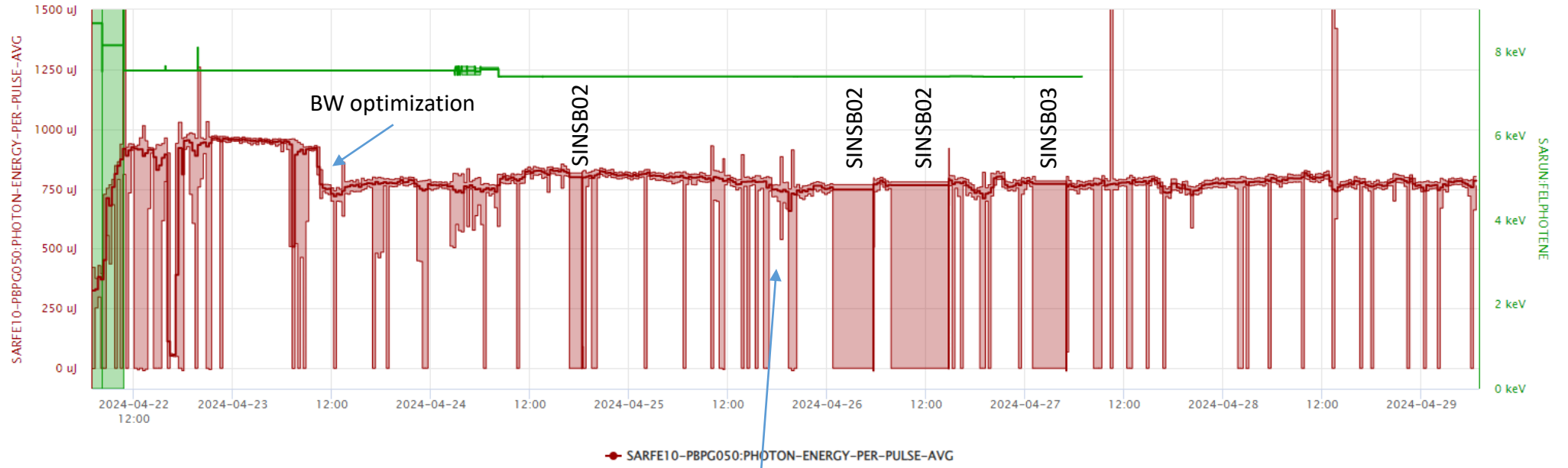
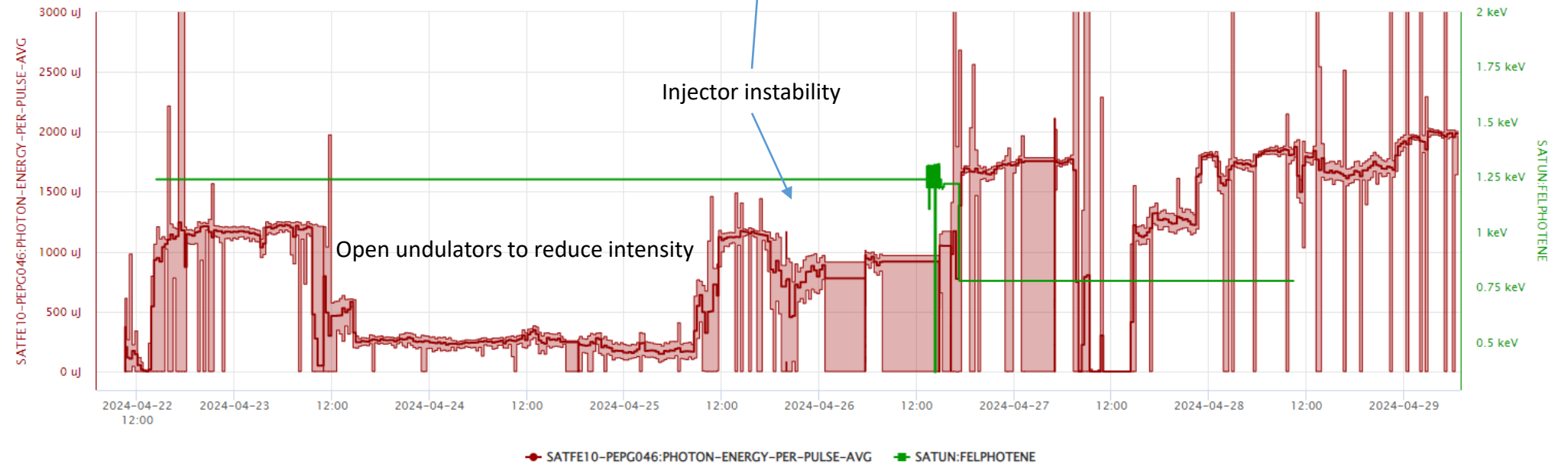


Data retrieved 2024-04-29 08:22:01.082



Highcharts.com

Data retrieved 2024-04-29 08:21:42.771



Highcharts.com

Set-up / problems

Aramis undulators not contributing:

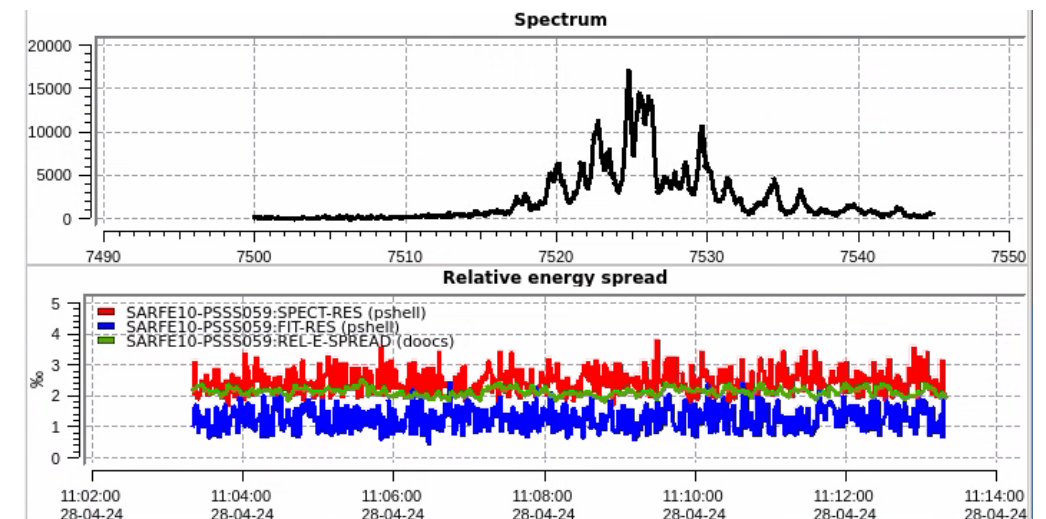
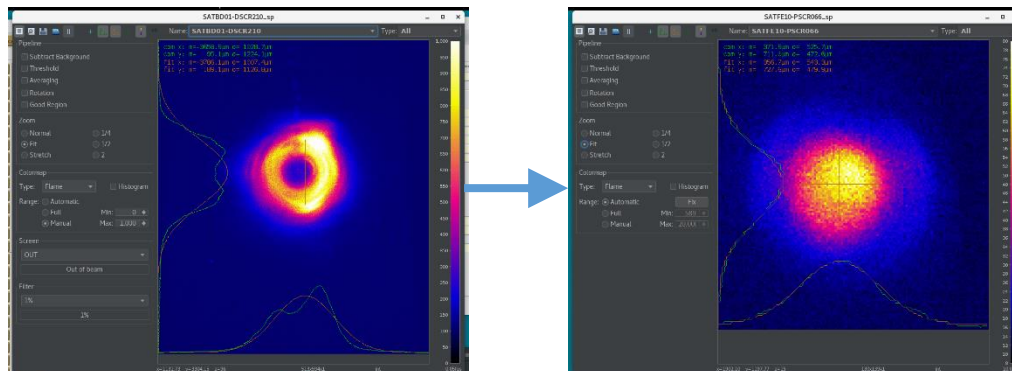
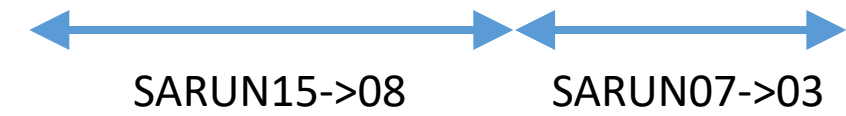
- Cannot get the first 4-5 undulators to contribute
- Orbit/alignment problem (need BBA)

Bandwidth optimization/energy stability

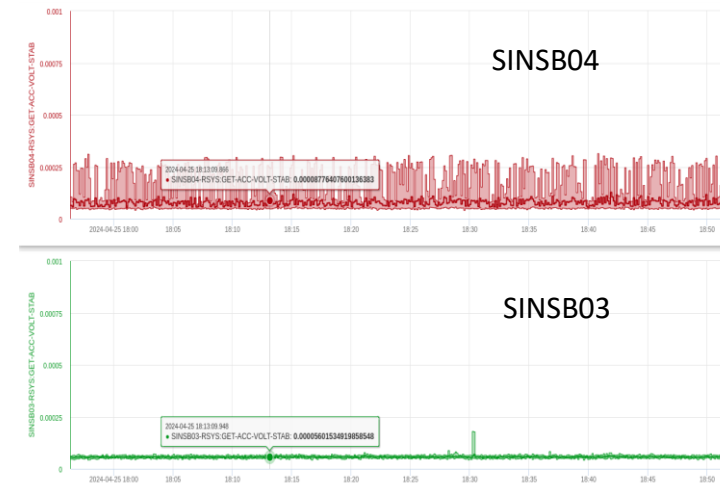
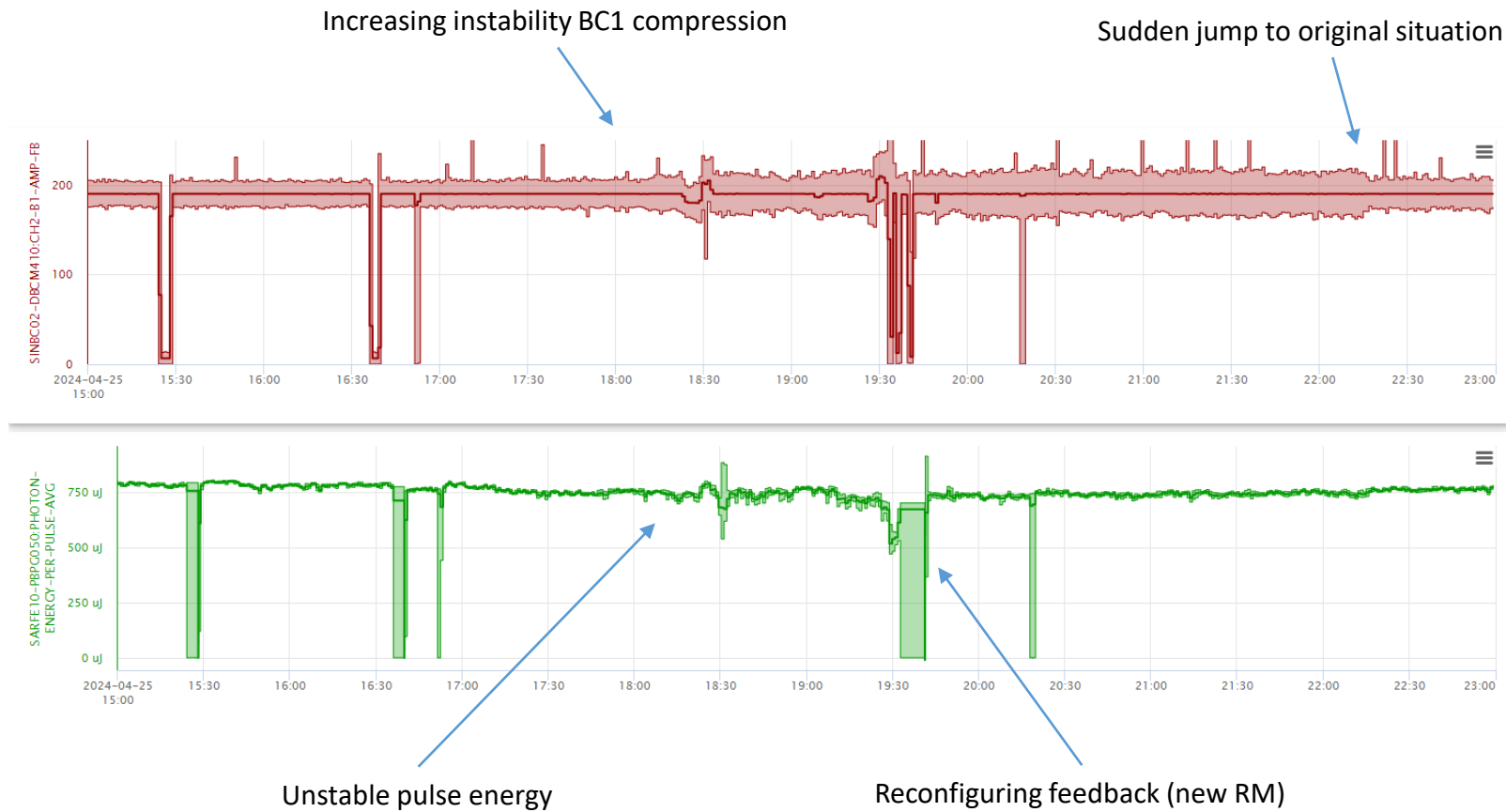
- BW re-optimized on Tuesday morning improved transmission through the mono
- The energy stability is poor with large energy excursion around central energy

Athos pointing/mode

- Re-optimize phase shifters to improve beam mode
- (There is also a hole in the screen)



Instabilities



- Could not correlate the BCM instability to RF signal jitter (Qiao)
- (SINSB04 has higher noise due to a faulty pick-up-> this does not seem to affect the beam)
- The instability was also present with compression feedback off
- Disappeared completely after intervention on SINSB02 (on Thursday)

Technical problems

SINSB02

- Intervention on Wed night and again on Thursday morning
- Several faults on communication and controller modules (preventive work is plan during the summer shutdown)

SINSB03

- Intervention on Friday night (RF + Timing & Synch)
- Control issues following RF trip solved -> power cycle modulator and ioc

S20CB03

- Friday afternoon (partially hidden by SINSB02 failure)
- Exchange of a broken C-band doubler

Many thanks to the support team, especially RF piquet (Ralf)!