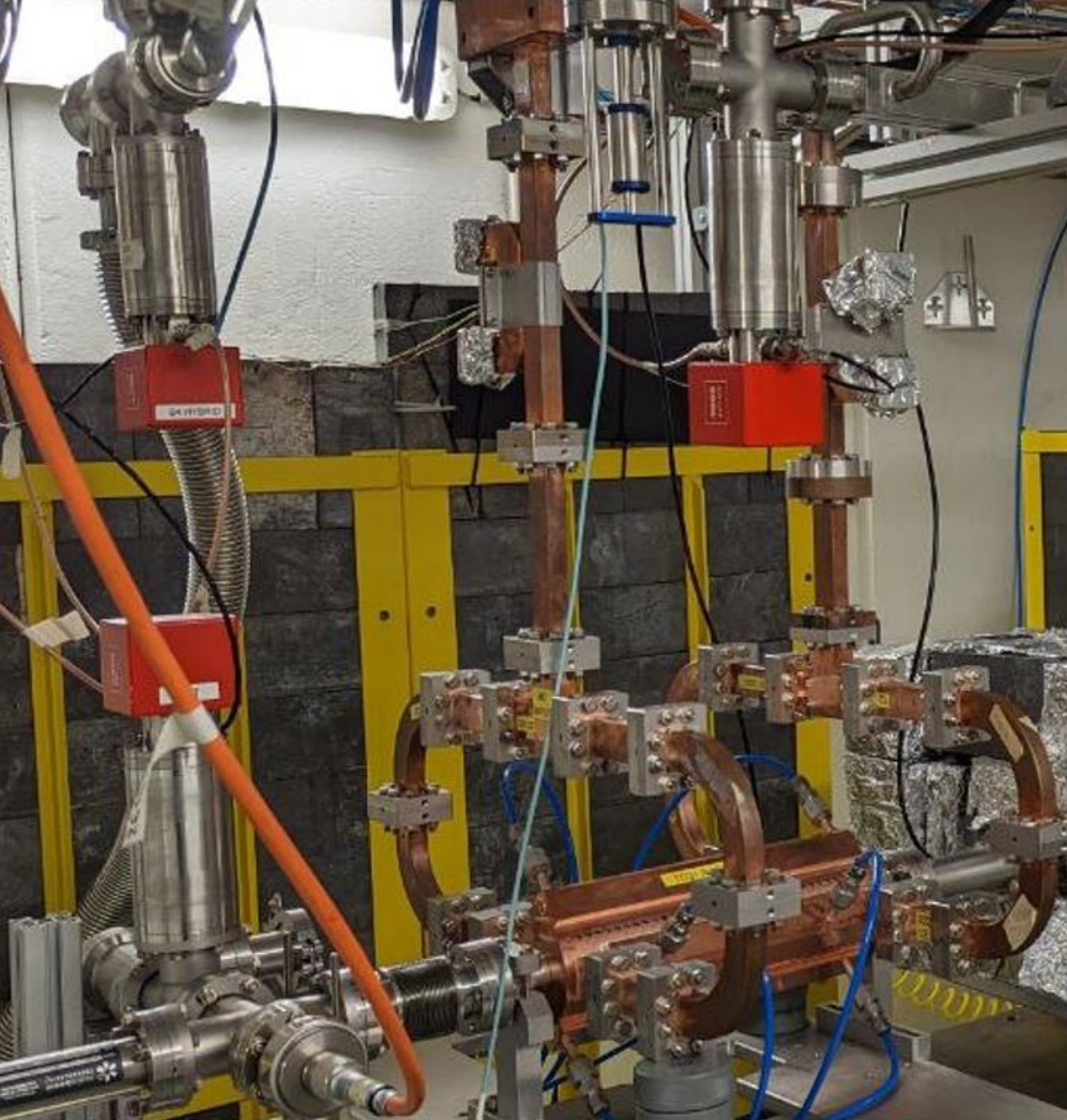




X-Box Summary

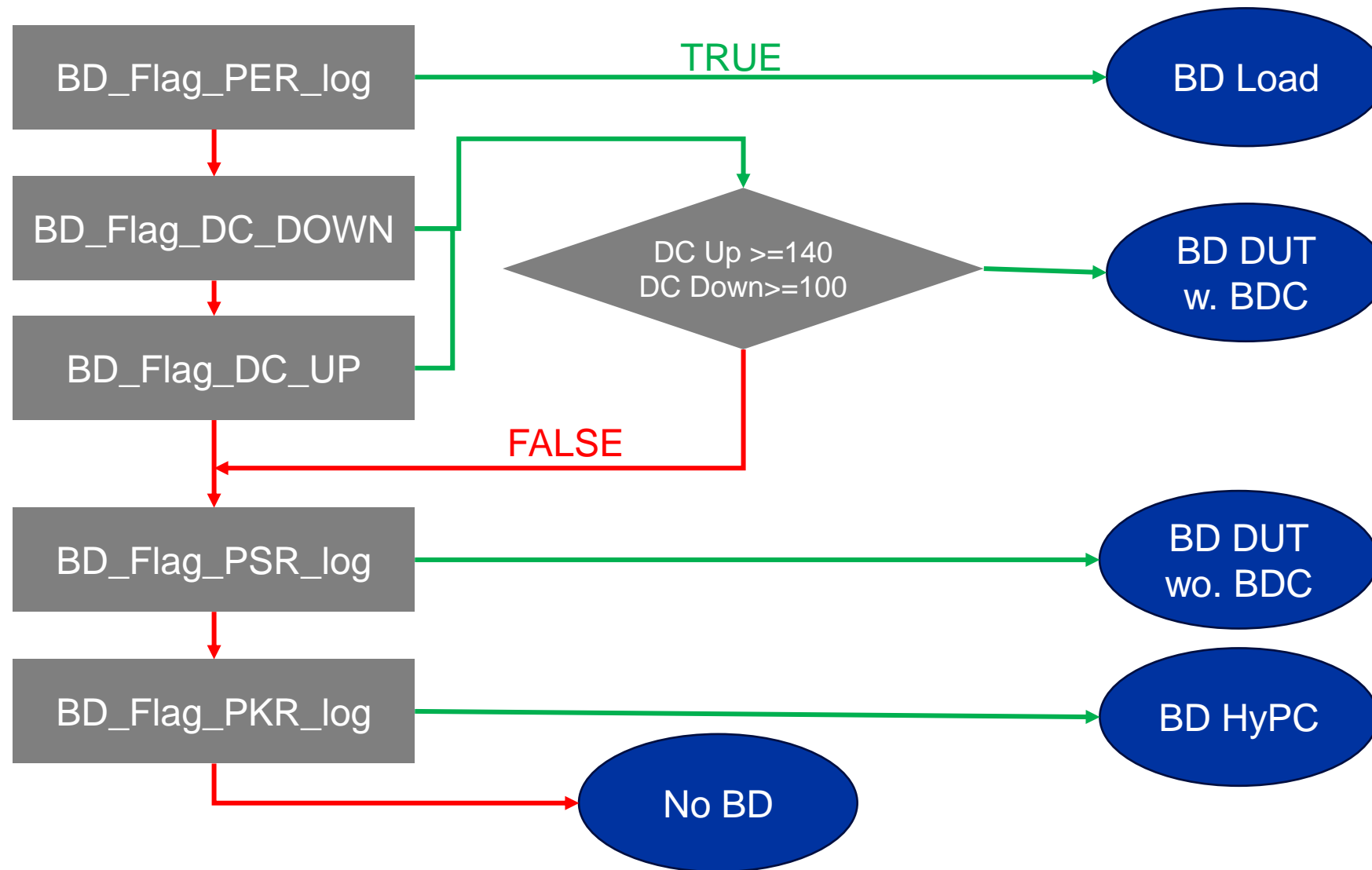
05.06.2024



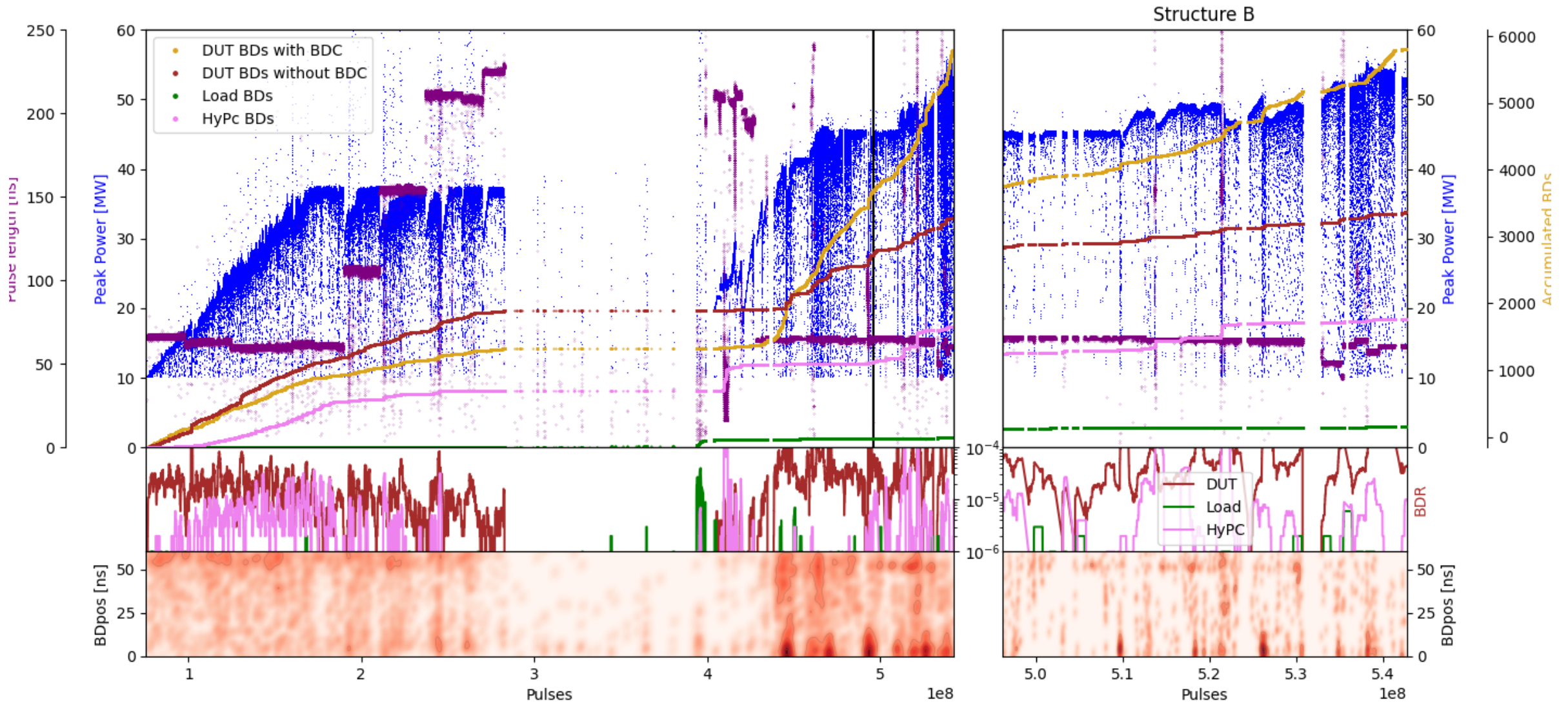
X-Box 2 TD31 N3 N4: Structure B

- **Restarted 26.01.2024**
- 100:1 ratio, all power to Structure B
- Pulse width 50ns
- **Interlock in modulator regarding SU**
 - Fixed on Wednesday the 22nd
- **Ramping up again**
 - Setpoint DUT 54MW

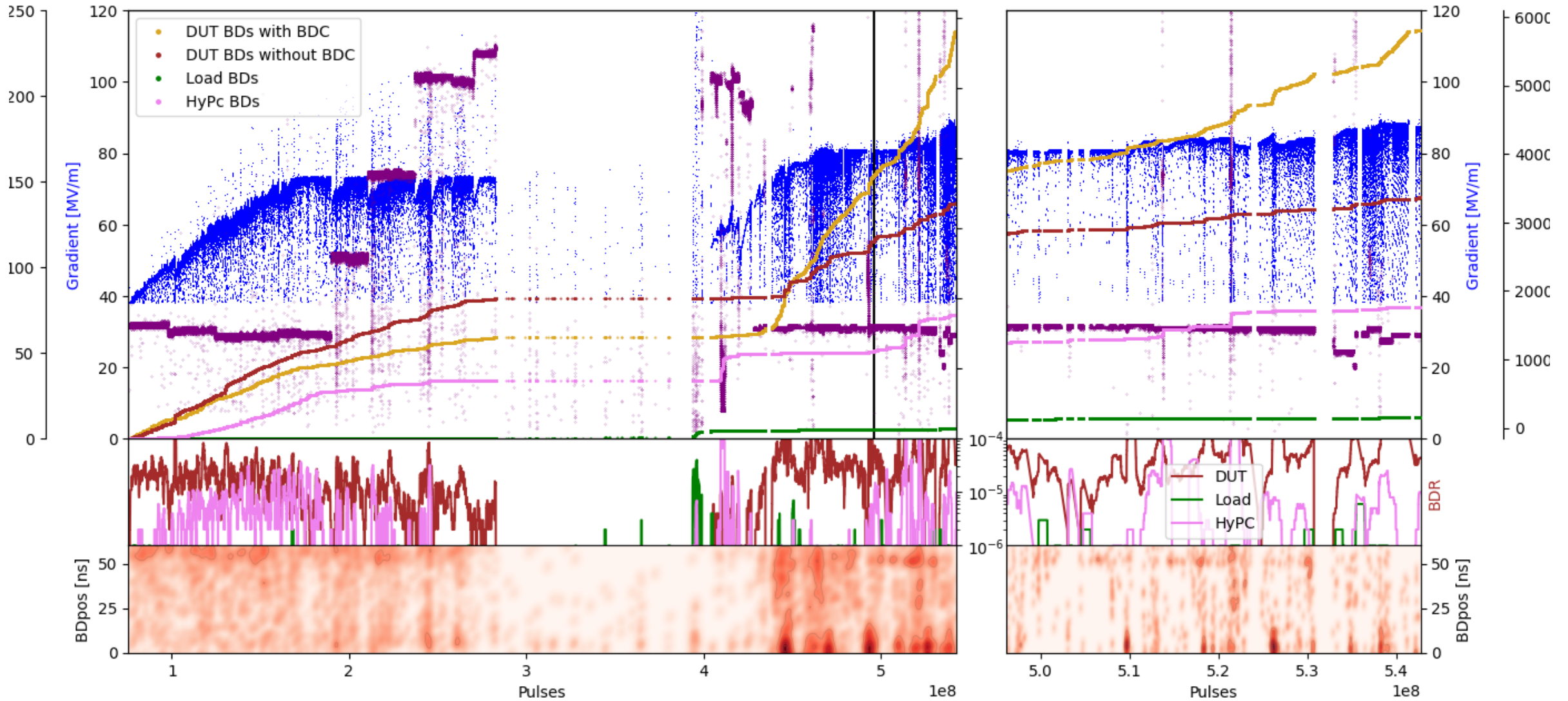
X-Box 2: Reminder on BD classification



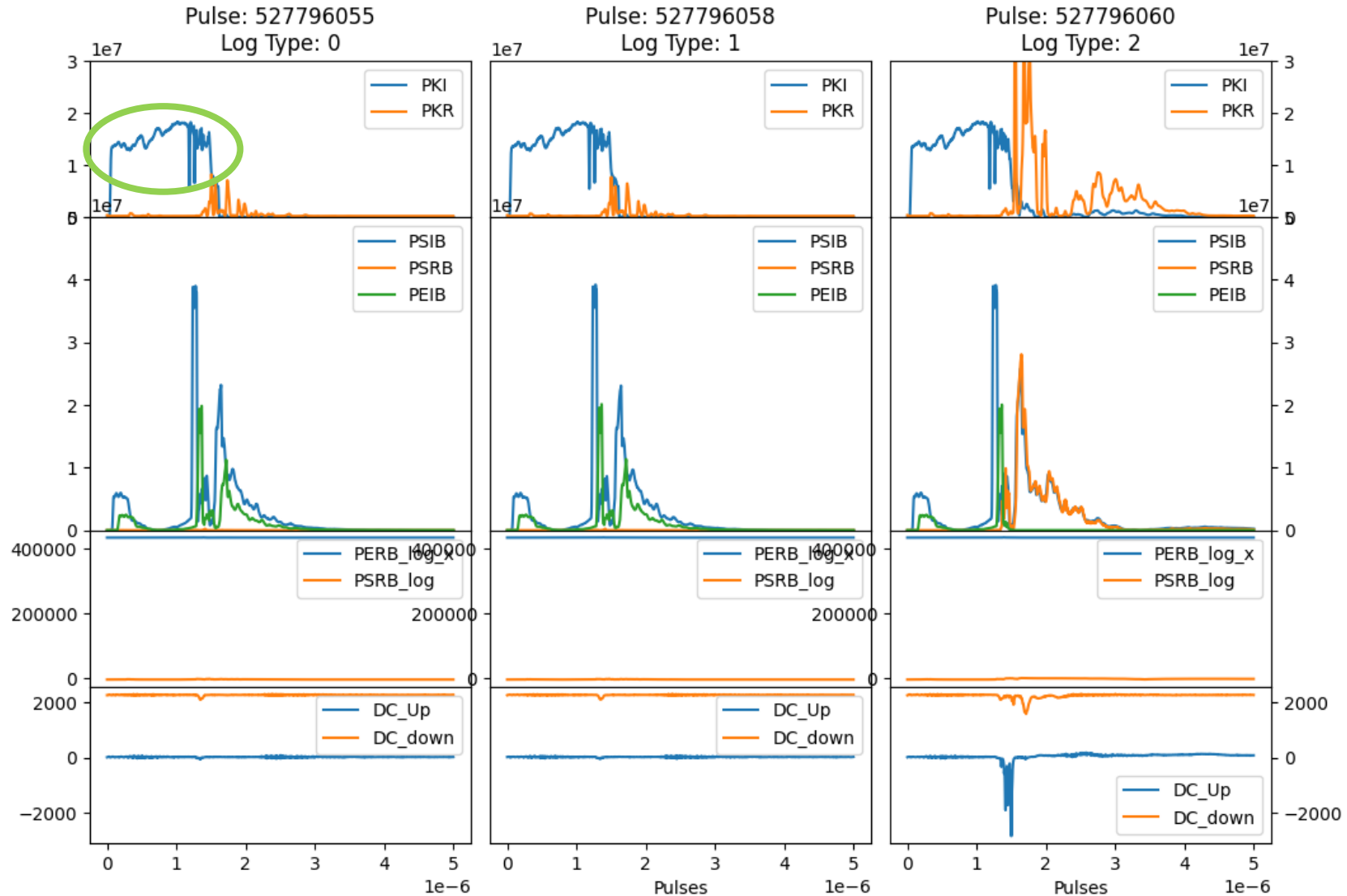
X-Box 2: TD31 N3 N4 Structure B – Peak Power



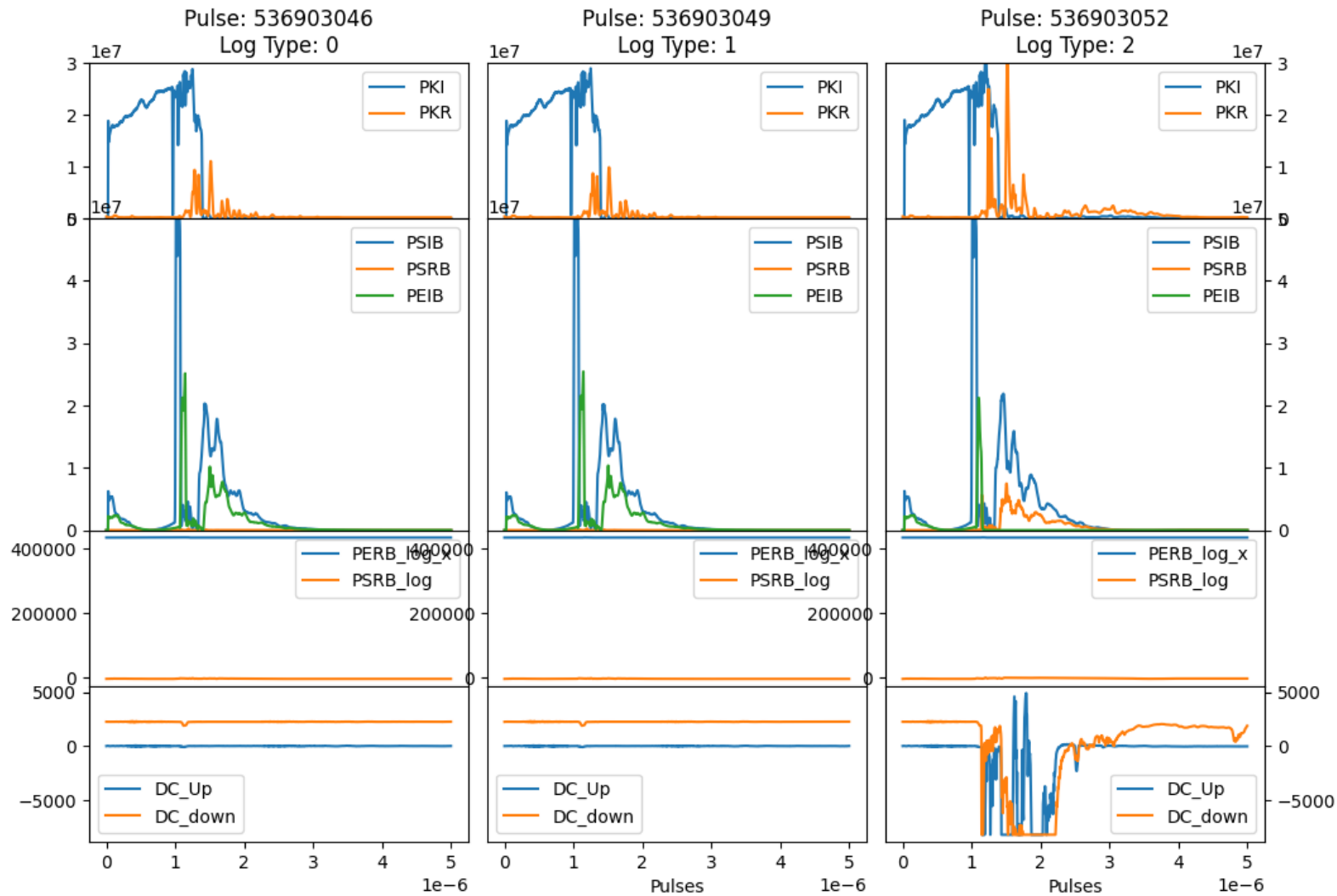
X-Box 2: TD31 N3 N4 Structure B – Gradient



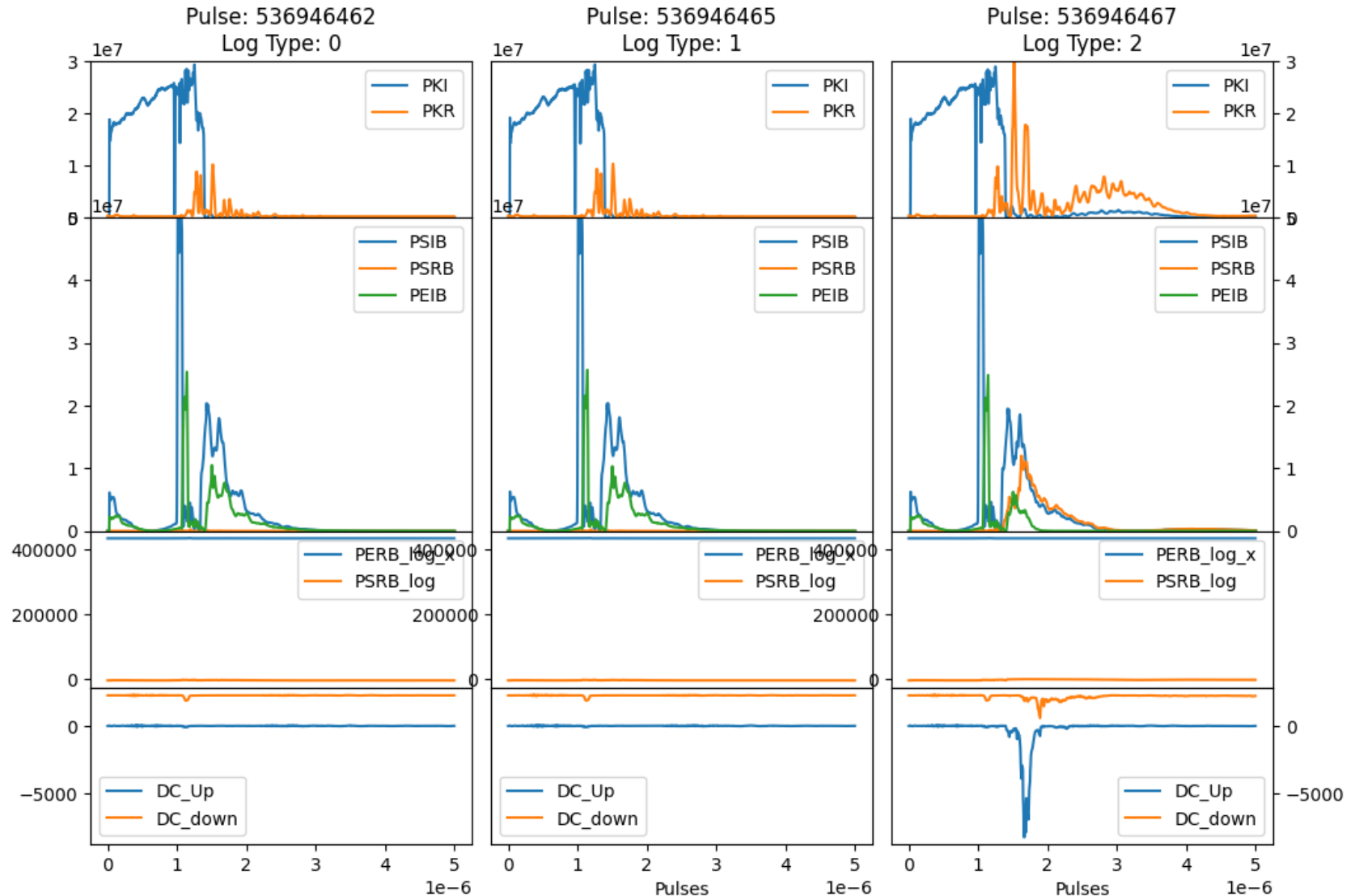
X-Box 2: 05 May 2024 Pulse 527796060



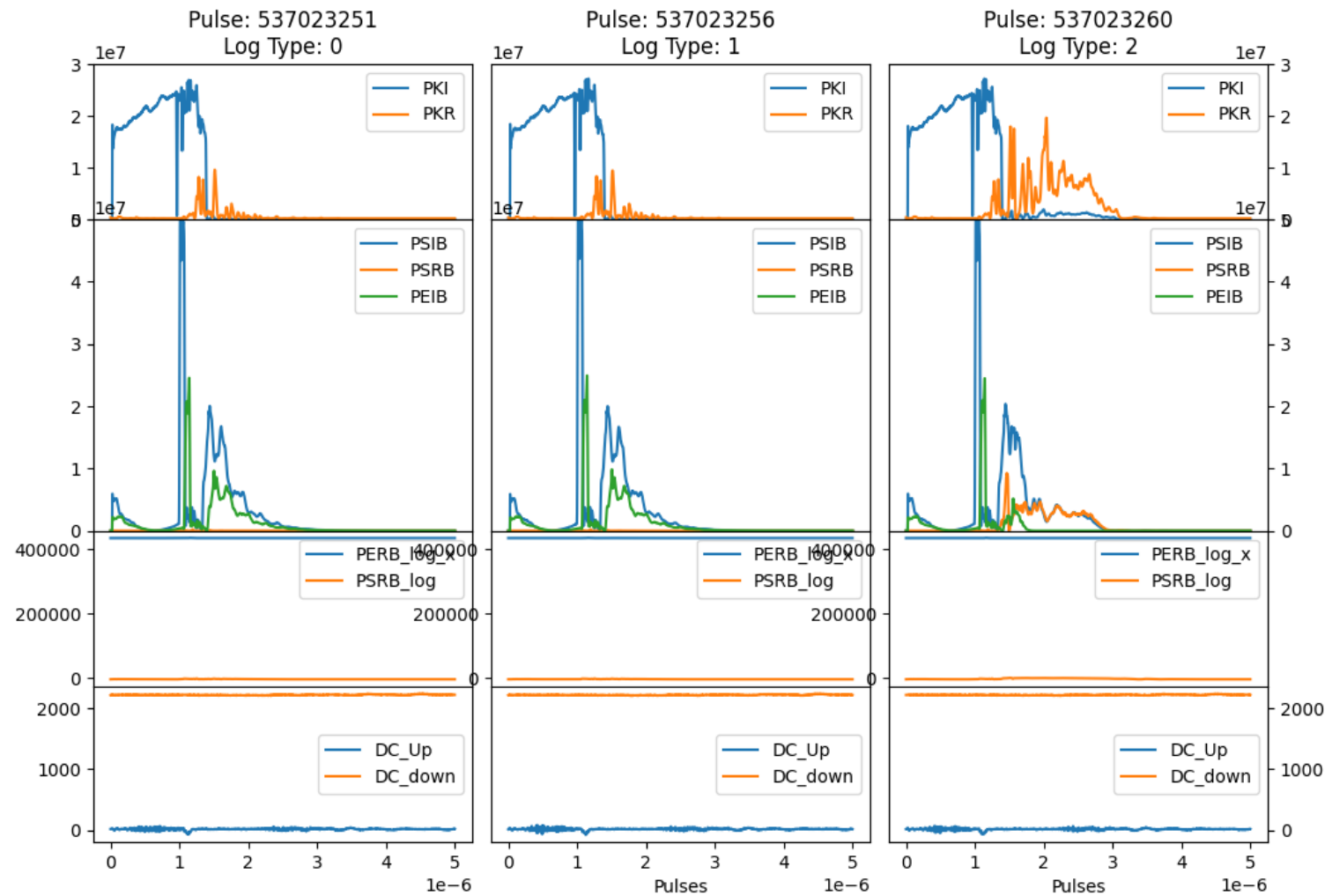
X-Box 2: 29 May 2024 Pulse 536903052



X-Box 2: 29 May 2024 Pulse 536946467



X-Box 2: 29 May 2024 Pulse 537023260

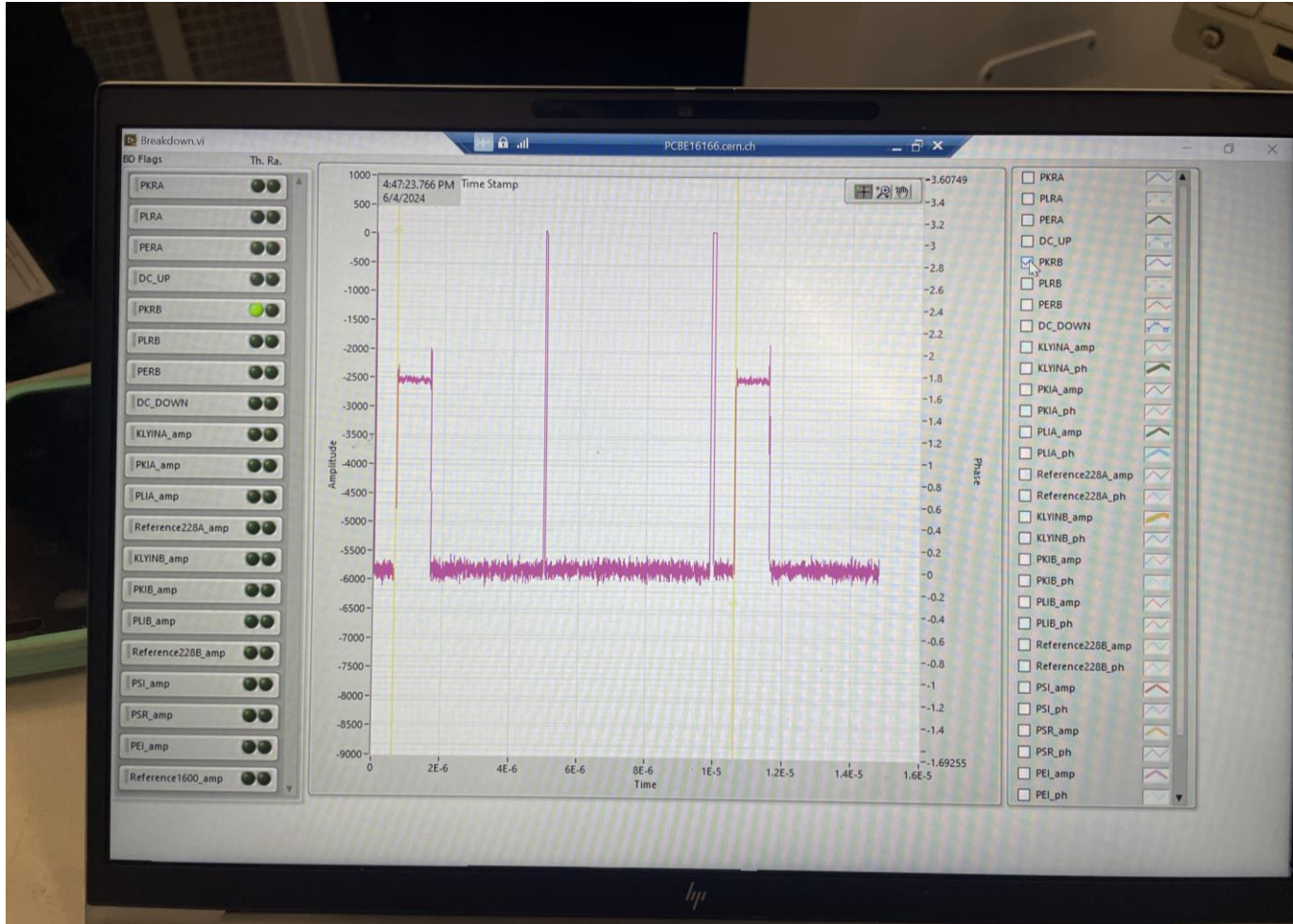


X-Box 3: High Efficiency Tubes Characterisation



- 22M001- broken
 - Internal vacuum $1e-6$ mbar (15uA)
 - Possible crack on window
- 22G002 –pump controller working now
 - Current reading around 50nA with RF on
- ``Triggering`` 22M001 so we can test 22G002
 - Ifill=0A; VoltSet=0V; No trigger input; bypassing interlocks
- PKR interlock – **does not work very well (system not thought to test klystrons)**

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