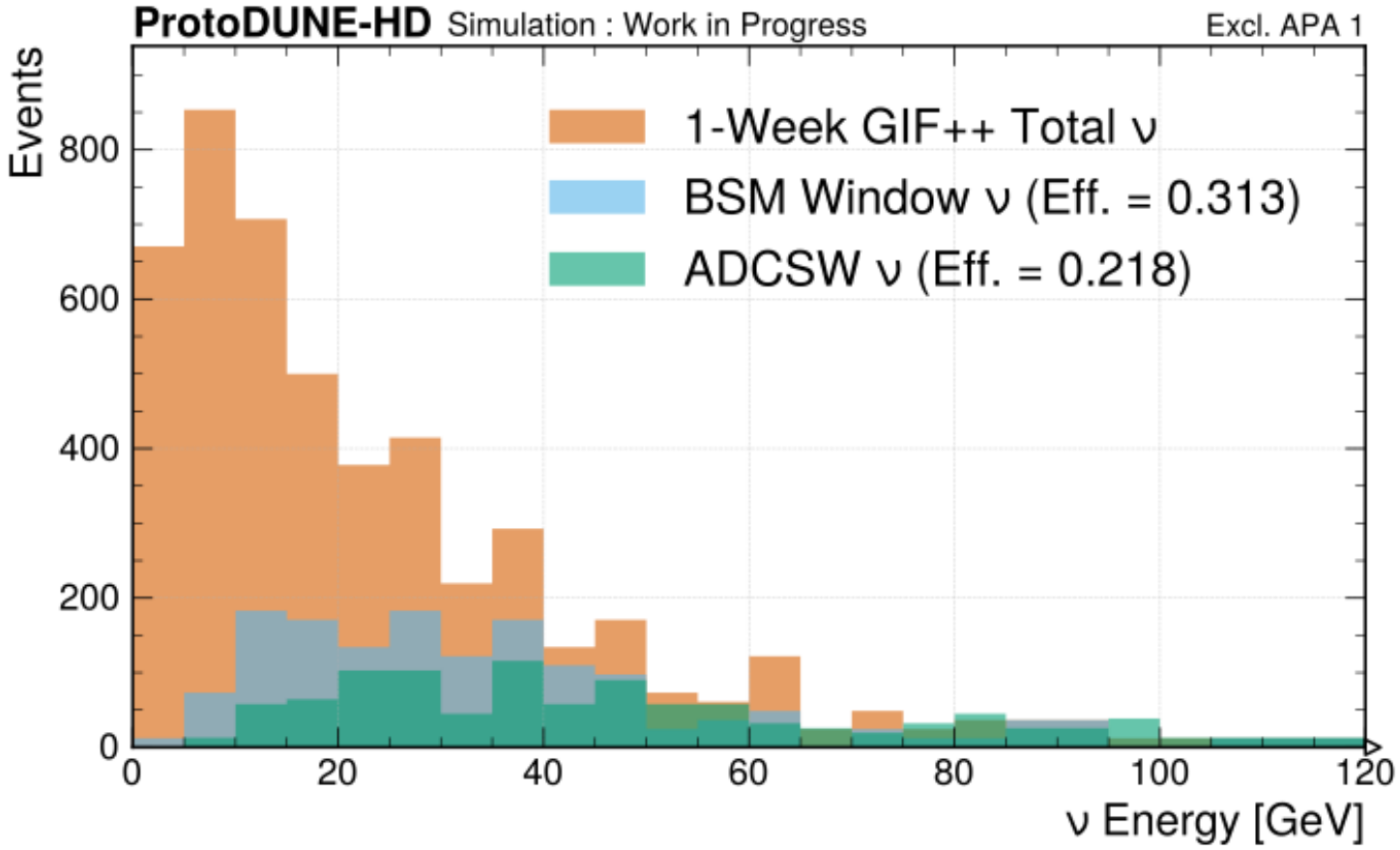
BSM Window Test at NP02

- All BSM Window code on the DUNE DAQ github
- Michal created a configuration and ran it at NP02

‘BSM Window’ builds on ADCSimpleWindow

Creates channel vs time images that are classified as neutrino/cosmic by a XGBoost GBDT model



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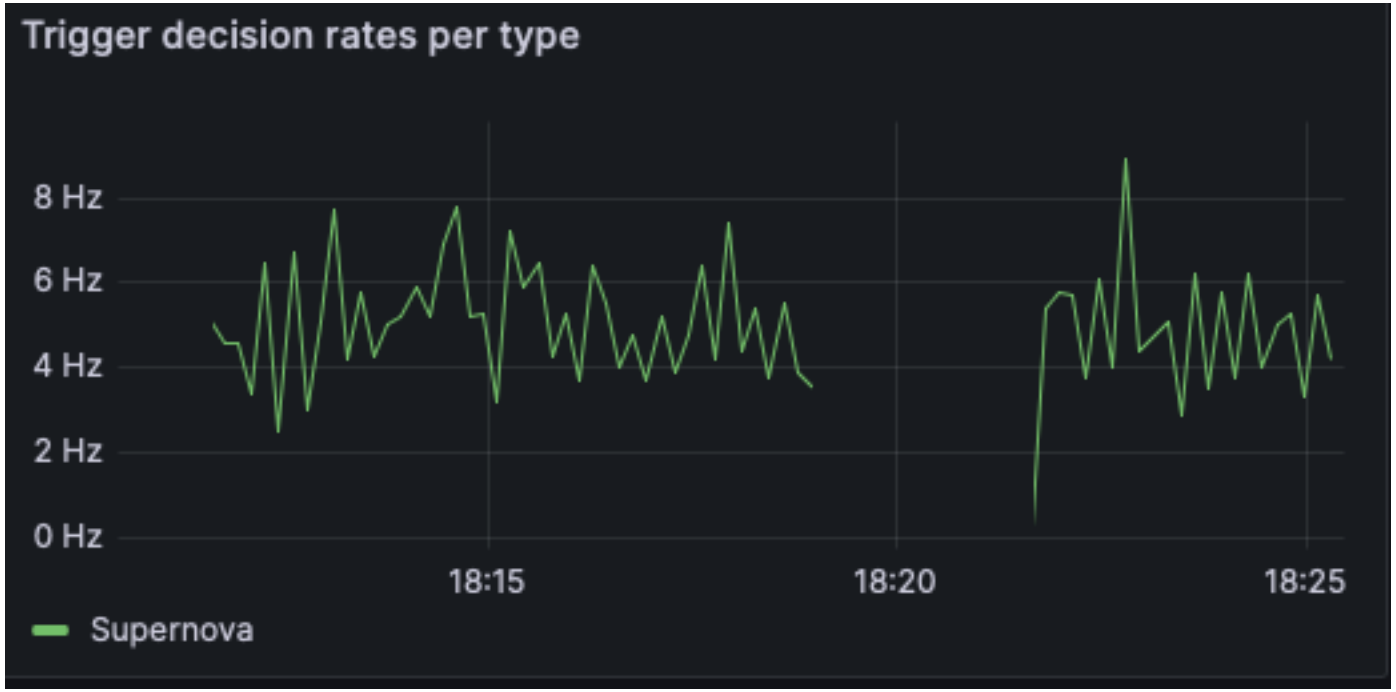
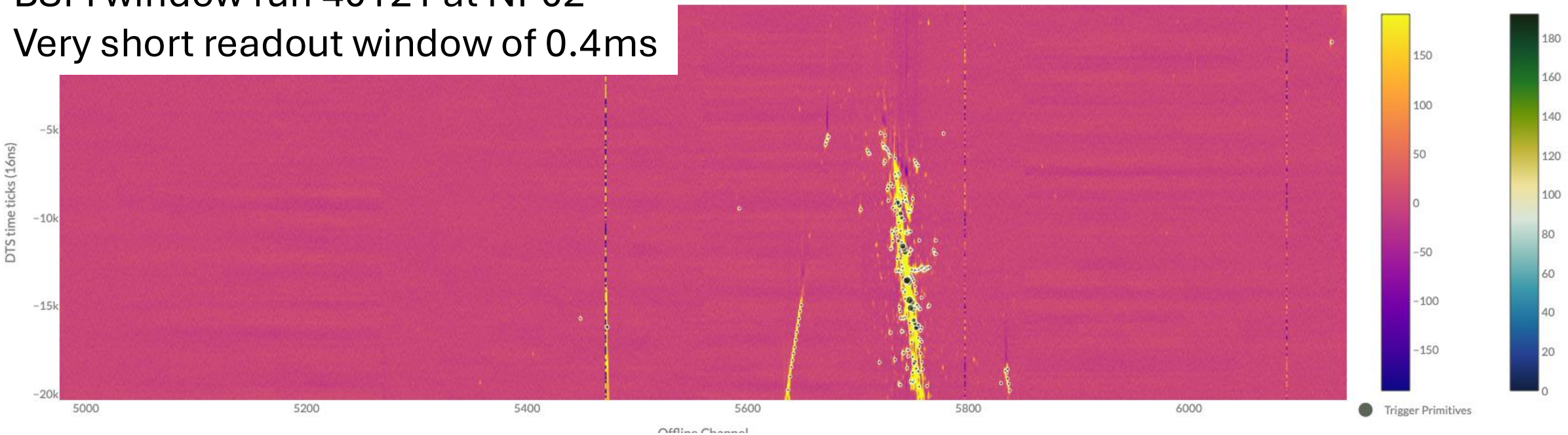
State	Substa	App Fwk Error State	Run Type	Run time	Run number	Trigger Status	Sending triggers at	Current Issued triggers	Current Written TRs
running	running	NO ERRORS	PROD	3.82 min	40122	OK	4.20 Hz	1104	1115

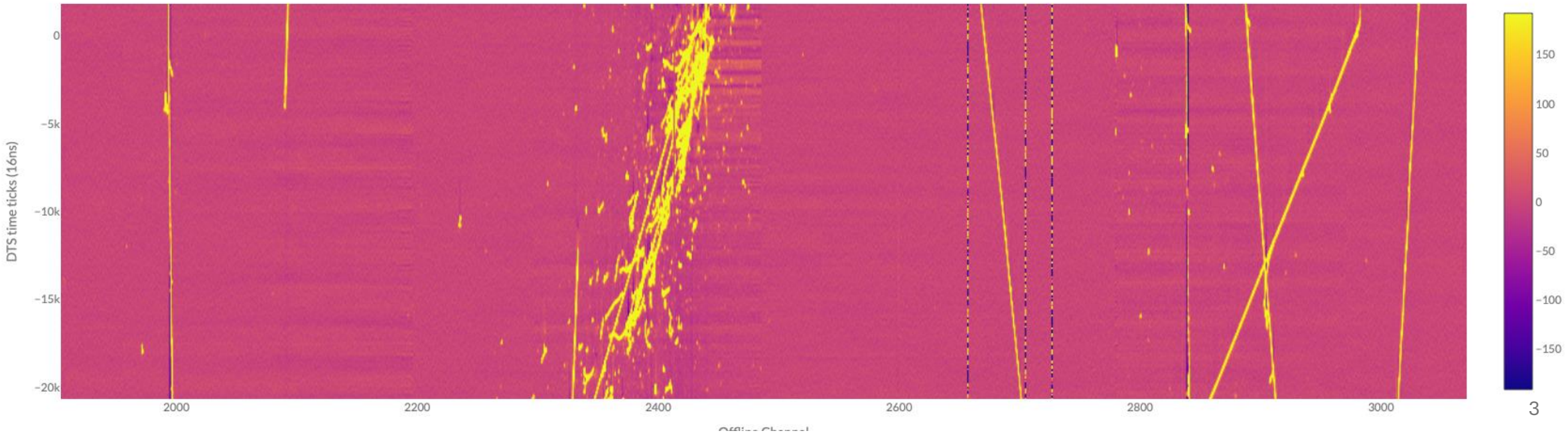
Took several runs lasting a few minutes each

Stable running (for this short test) and no errors – data writing successfully

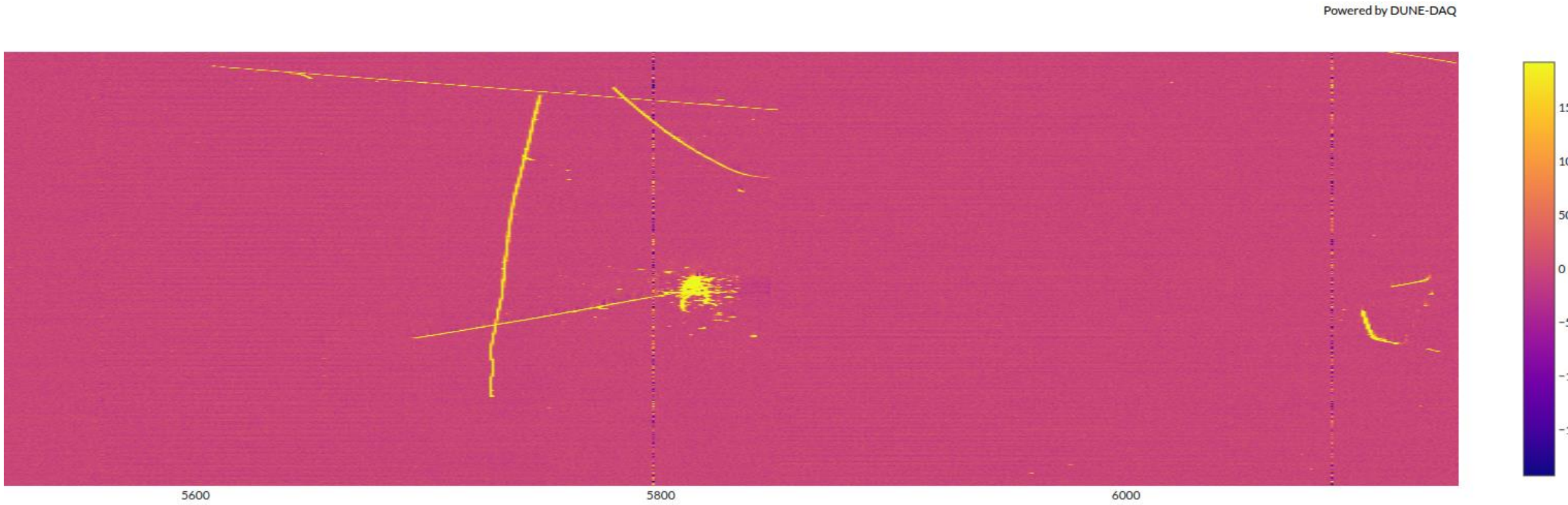
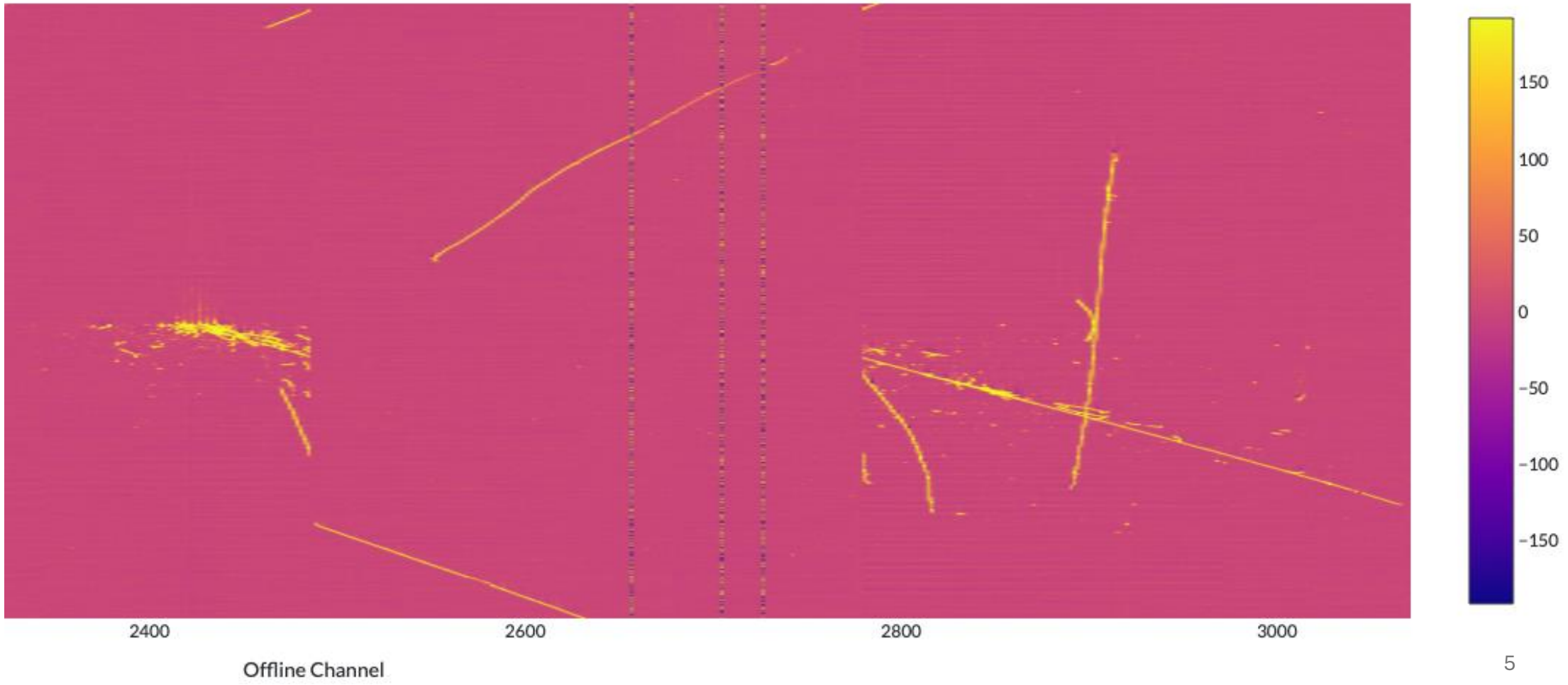


BSM window run 40121 at NP02
Very short readout window of 0.4ms





BSM window run 40123 at NP02
Longer time window of +/-1.5ms
Stable 5Hz rate
BDT threshold = 0.99



BSM window run 40123 at NP02
Longer time window of +/-1.5ms
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BDT threshold = 0.99