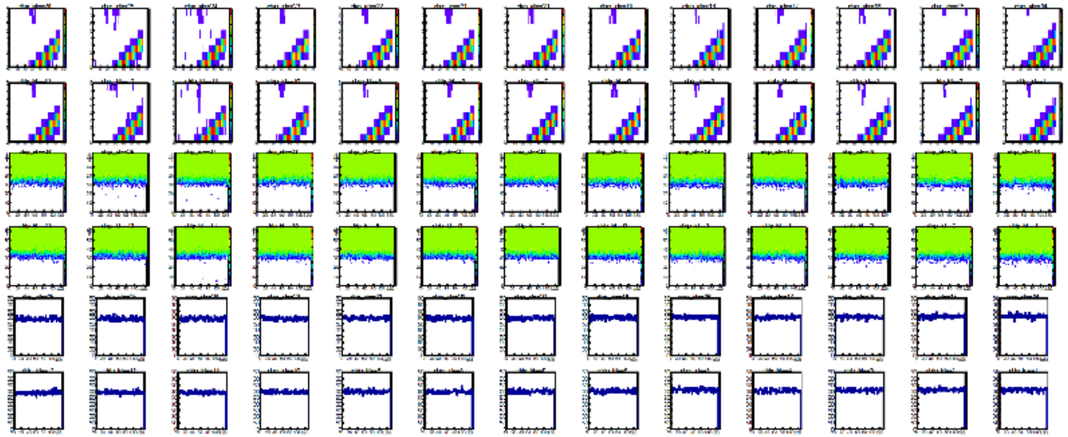
Radiation source tests@BNL

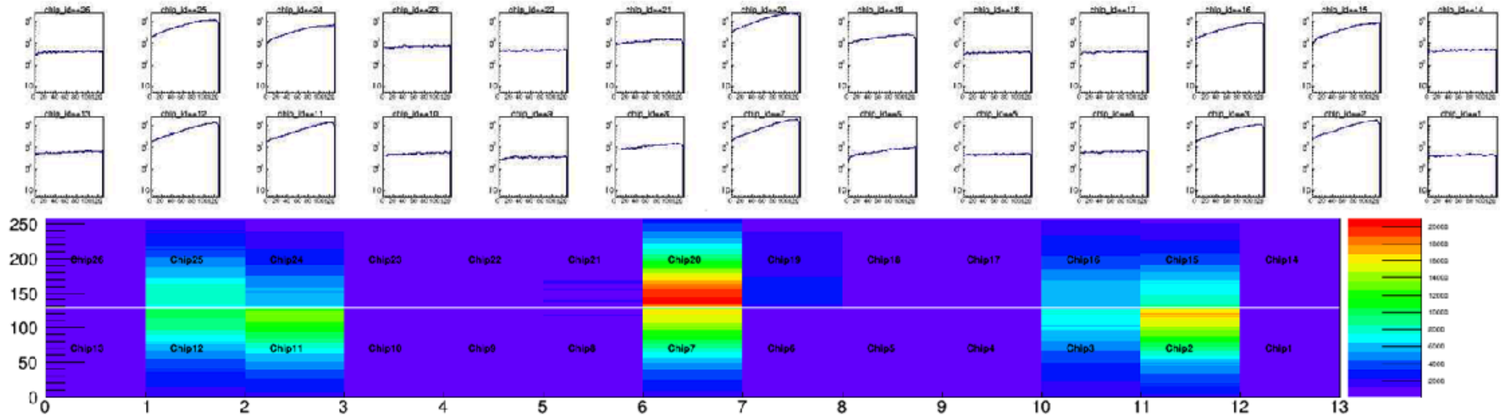
K ς υ φ K ɣ PB2-L001S ˡ

Calibration before tests: 20220401_1029_0.dat, 5



South

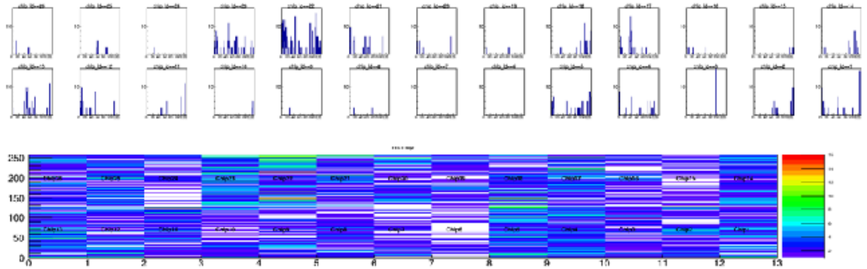
Source: 20220401_1034_0.dat, 6 , 20+20+20 min



South

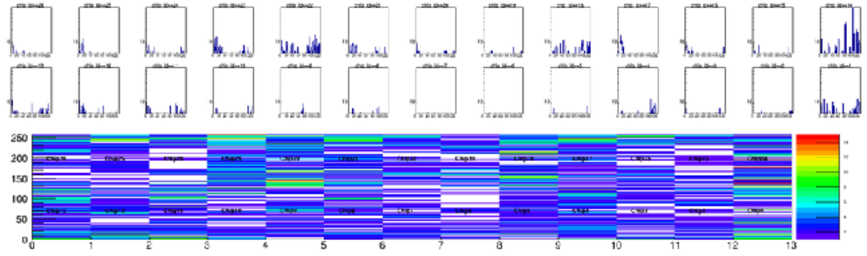
Background: 20220330_1157_0.dat, 6

12 min



Background(low ADC0): 20220330_1208_0.dat, 6

5 min



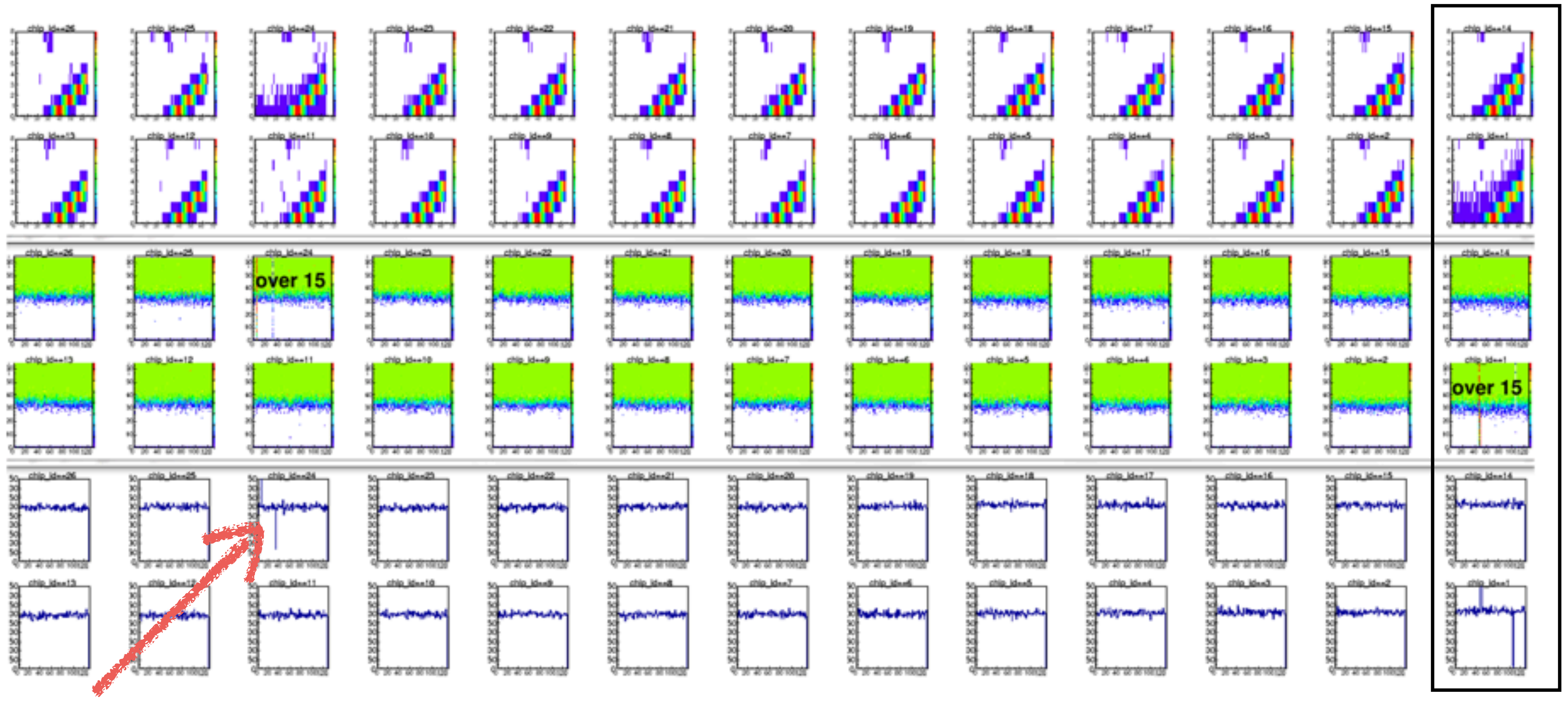
Bias: 100V, A = 161 nA, B = 118 nA

Radiation source tests@BNL

noisy Ḱ Ю о И ж Σ Θ щ ɣ PB2-L002S ˡ

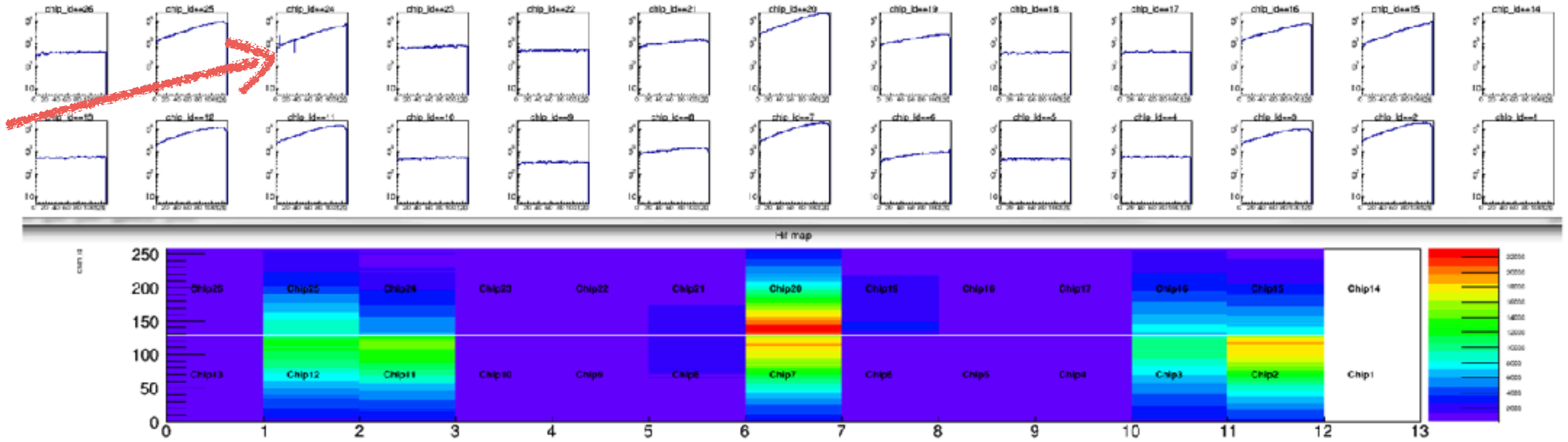
South

Calibration before tests: 20220404_1708_0.dat, 5



← Ï Ï φ ♦ ή ν Φ η ά Κ '
Θ ο ξ مع í ᛋ ᾨ Ѷ Щ ң Κ ϖ ΰ '

Source: 20220404_1841_0.dat, 6



noisy channel 1 λ

(nearly) deal channel 1 λ

þ Ю е С з ˎ Ђ в о о
مع í ả ཀྵ Σ Ặ Ξ щ

/

Radiation source tests@BNL

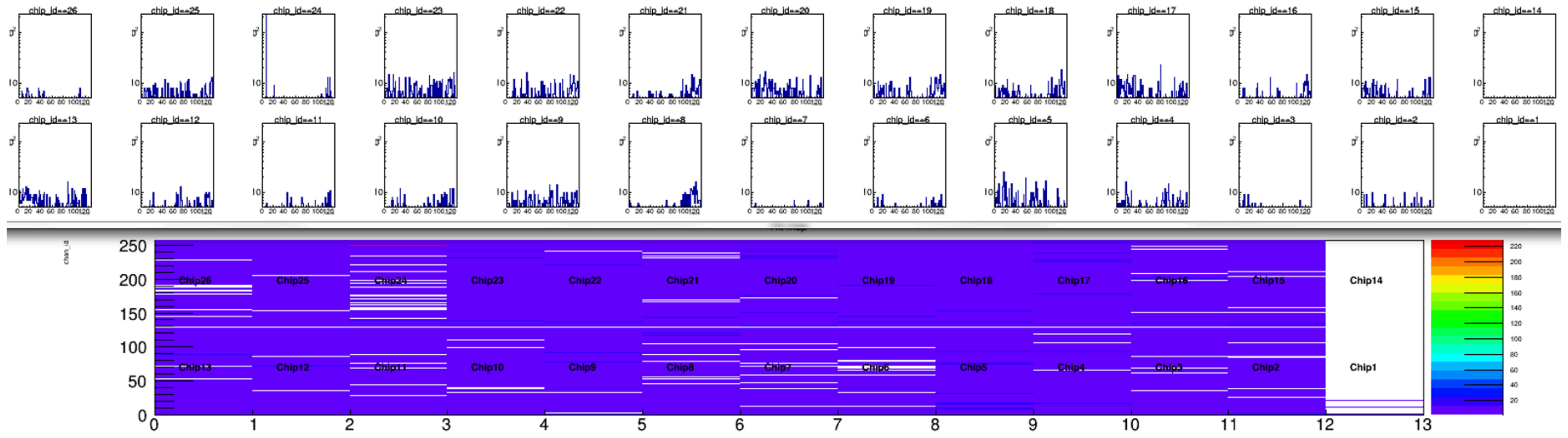
noisy Ќ Ю о И ж Σ Θ щ ɣ PB2-L002S ˡ

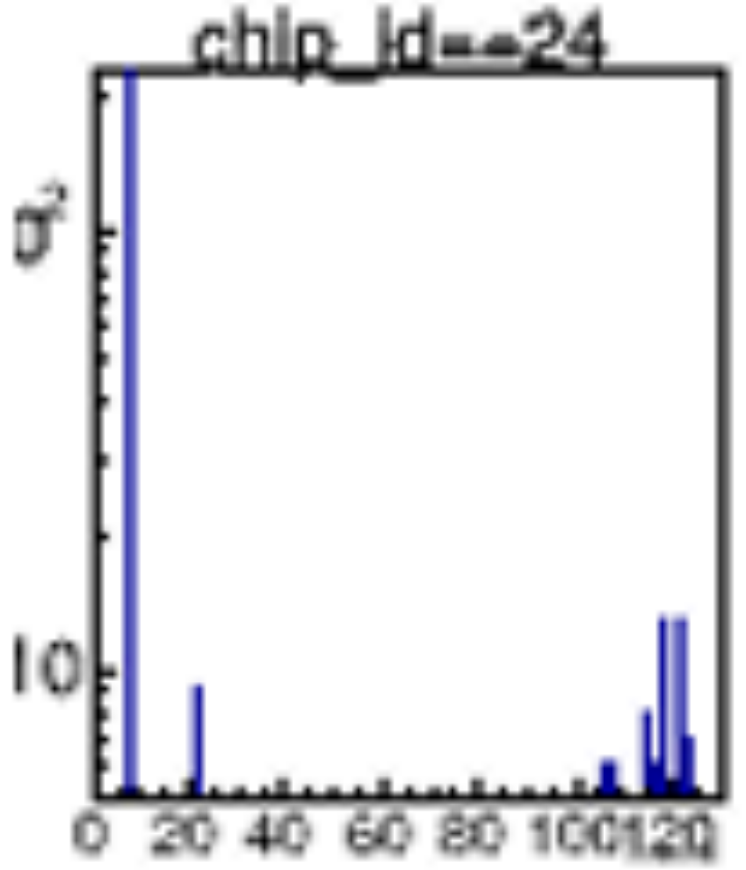
DAC0 = 40 η o Щ Є M ή ξ ϖ o ς ρ B ˛ Њ Σ Ϗ Ч щ Σ ʸ DAC0=15 η o Щ Є M

South

Background: 20220404_1954_0.dat, 6

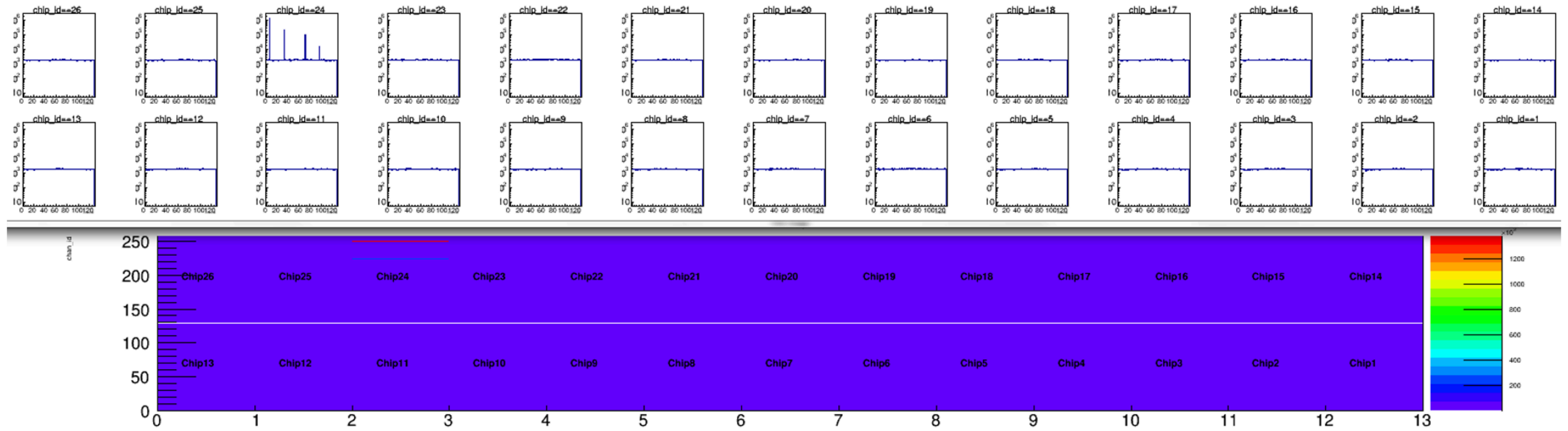
10 min DAC0 = 40

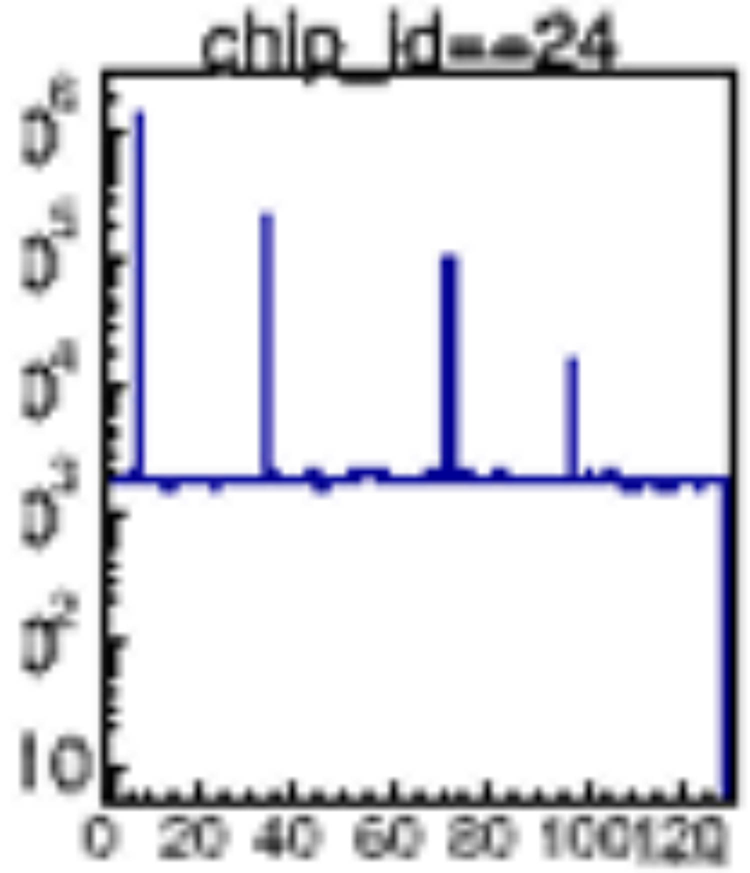




Background(low ADC0): 20220404_2025_0.dat, 6

3 min DAC0 = 15





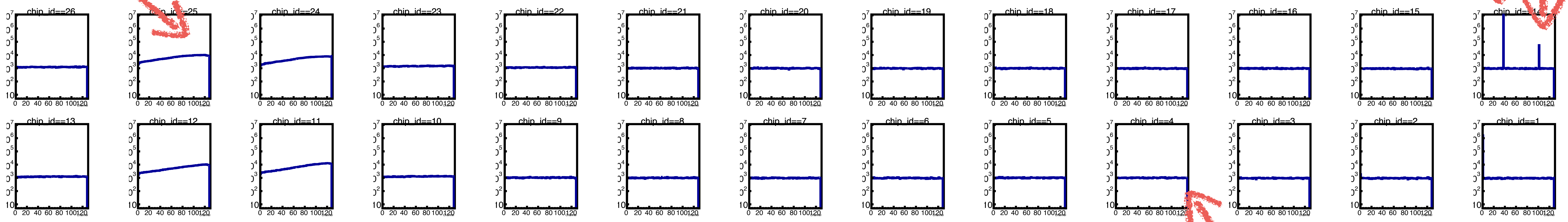
Radiation source tests@BNL

noisy Ḱ Ю o И ж Σ Θ Щ ʸ˙ ű ж ɟ ʋ Ḱ Ў T ’ Ḱ Ю o И ж ς Й ƚ S H Ў Γ ɤ ⌂ ɰ

ɣ δ M K M M д Ь ˛ Њ ʋ Й ƚ S ɤ ̤ Φ ˡ ɣ PB2-L001N ˡ

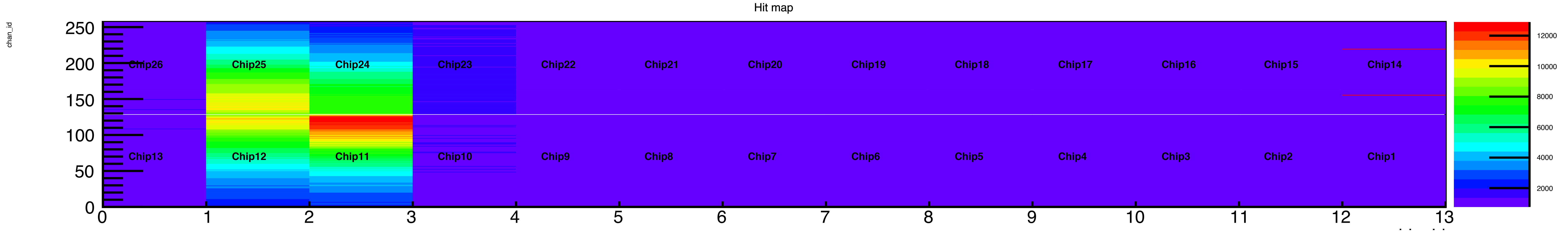
noisy channel φ Ï ɥ η Ψ

90Sr ʋ H Ў Γ



ش Ḱ Ў T ’ ش Ḱ Ю o И ж ς مع í Э M ρ
ƚ Φ o Γ Σ Θ ɰ

^{90}Sr φ Ï ʋ б ɤ

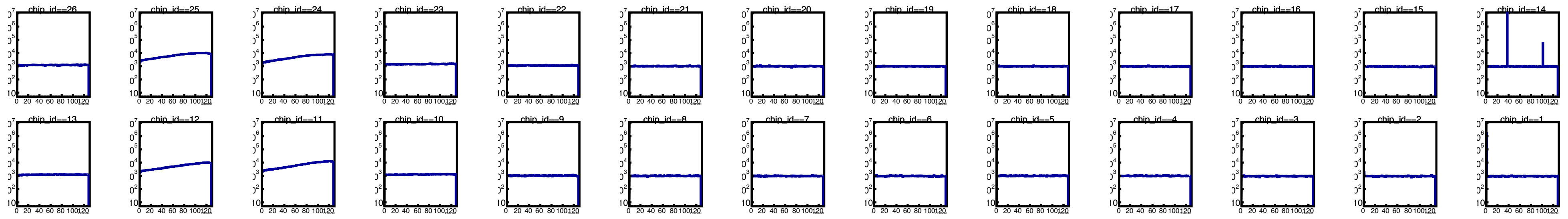


noisy

Radiation source tests@BNL

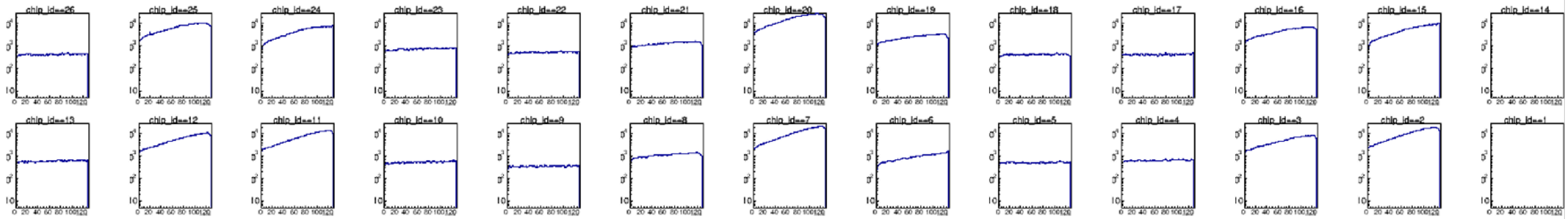
noisy ЌЮоИжΣΘЩ ʸ˖ ǘжǂυЌЎТ ’ ЌЮоИжςЙ†SНЎГ ƾ⌂ɰ

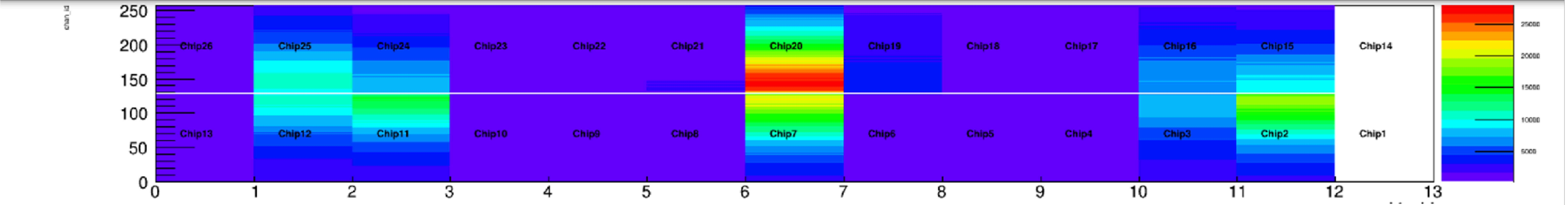
ɤ δМКММдЬ ¸ ЊυЙ†Sƾ ˳ Ф ˡ ɤPB2-L001N ˡ



North

Source: 20220401_1229_0.dat, 6, 20+22.5+20 min





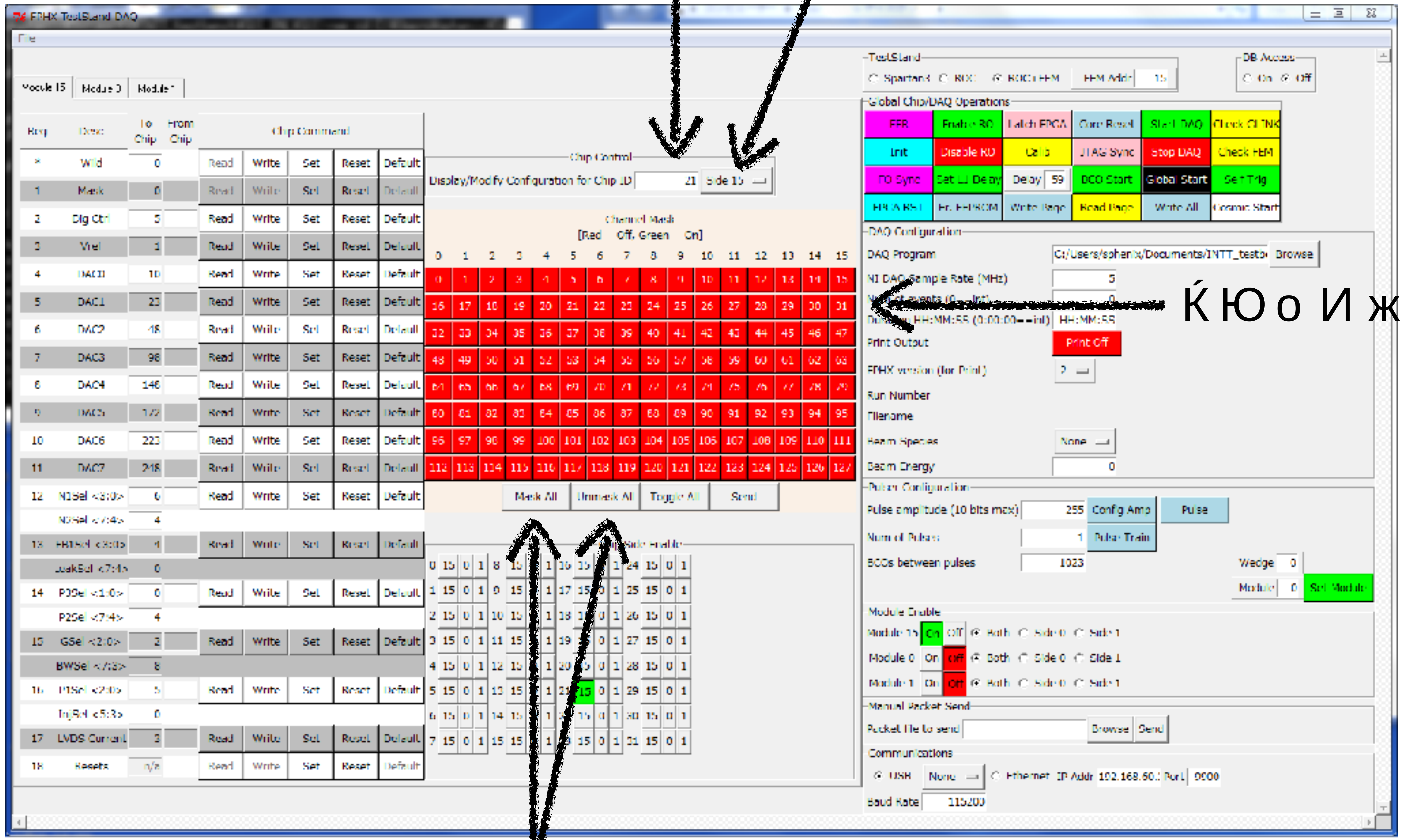
Chip1&14 were masked

noisy

Radiation source tests@BNL

Ḱ Ў Т υ تث ४ 1~13 or 21 = * ˡ

, υ تث ४ 0, 1, or 15 = * ˡ



Ḱ Ю о И ж υ تث

ش Ḱ Ю о И ж ЩЄ М / б о ЩЄ М

ᗑ

Ḱ Ў Т 0 / ʸ , / 3 8 پ ρ ή

Ḱ Ў Т v ʸ , / 3 8 پ ρ ή

Ḱ Ў Т v ʸ , . 8

ЩЄ М ʼ б о ЩЄ М ع ⌂ β α

Ḱ Ў Т v ʸ , / 8

ЩЄ М ʼ б о ЩЄ М ع ⌂ β α

Ḱ Ў Т v ʸ , / 3 ʸ ῷ Ḱ Ю о И ж ‣ ظ 8

پ ρ ή

Ḱ Ў Т v ʸ , . ʸ ῷ Ḱ Ю о И ж ‣ ظ 8

ЩЄ М ʼ б о ЩЄ М ع ⌂ β α

Ḱ Ў Т v ʸ , / ʸ ῷ Ḱ Ю о И ж ‣ ظ 8

ЩЄ М ʼ б о ЩЄ М ع ⌂ β α

ῷ Ḱ Ў Т ڃ ३ υ ЩЄ М Σ ξ Т ρ К

ʷ L c t g q E S G p c _ b ` _ a i c p شخ ξ ʕ مع

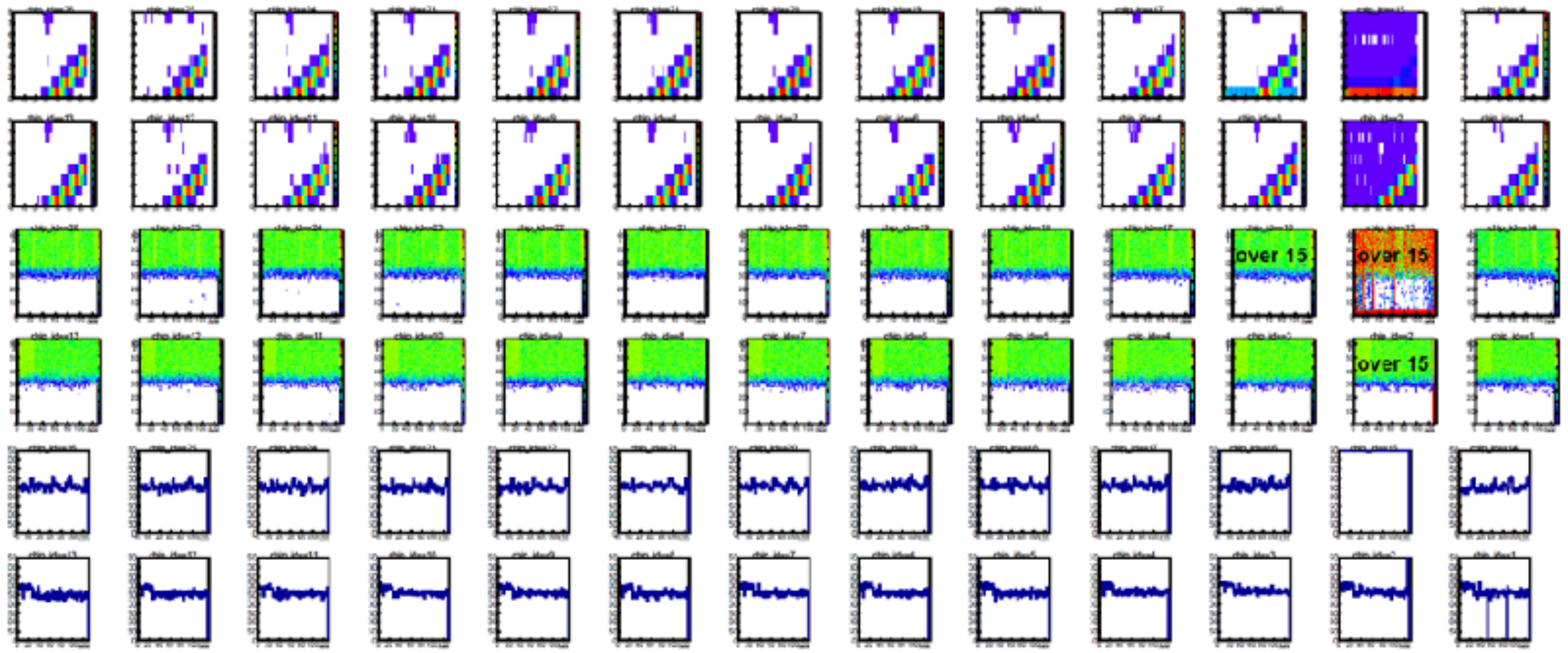
Radiation source tests@BNL

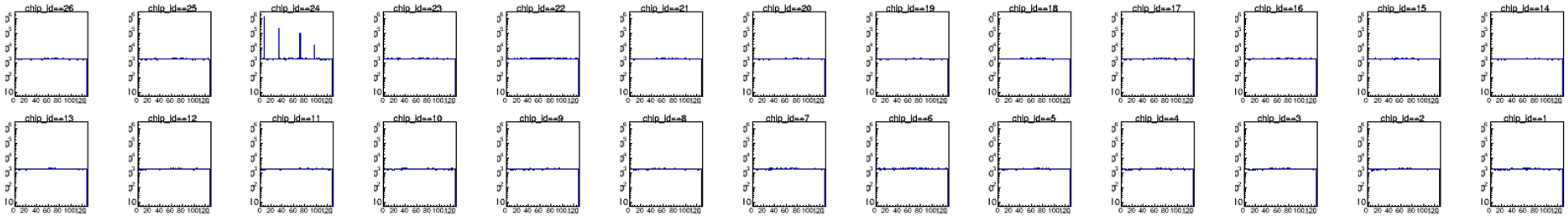
noisy Ќ Ю o И ж Σ Θ Щ ʸ ش Ќ Ў Т Ɣ Щ Є М ή ν Ϛ ρ γ Р В ˛ Њ Σ Ⴡ Ч ɰ ˠ $P_{\text{reproduction}}$PB2-L003S ˡ

Production д Ћ ˛ ξ υ №҅Ḥƕ φ ʼ ʼ ʼ №҅Ḥ ή ρ К Ї o Ϛ Θ ɰ

South

Calibration before tests: 20220331_0941_0.dat, 5





Ї Ч φ υ В ˛ Њ η Σ ʸ ݣ ֏ Ч ɰ

Й † S φ عم í Э М ς Ἁ Ξ ɰ

Radiation source tests@BNL

- К д Ћ ˒ ξ φ ݒ ρ Ф Б Є Г Σ ξ Т ν К ա
  - PPB2-L003N,
  - PB2-L001S
  - PB2-L002N
  - PB2-L002S (4/4 φ chip1 ᾯ Щ Є Μ ή ρ К о Й ƚ Ѕ Σ ω π Р к ζ ʸ 4/5 φ Щ Є Μ ή ξ ϵ Χ з ˒ Ђ в о OK)
- Noisy Ќ Ю о И ж Σ Θ Ш ʸ Щ Є Μ ρ ή ξ Ϛ Б Є Г ξ Т ա (DAC0=40)

  DAC=15 η о Щ Є Μ ρ ή ξ φ ϖ о Ϛ ρ В ˒ Њ΄. Σ ξ Т ρ К
  - PB2-L002S
- Noisy Ќ Ю о И ж Σ Θ Ш ʸ Щ Є Μ ΰ Ч χ Б Є Г ξ Т ա

  ← Ќ Ў Т ڿ ӟ ξ ή Р Щ Є Μ Σ Р Ψ ϡ Ч ρ К
  - PB2-L001S
- Noisy Ќ Ю о И ж Σ Θ Ш ʸ Щ Є Μ ή ν Ϛ ؍ υ Й ƚ Ѕ ᾯ ˥ ΰ
  - PPB2-L003S