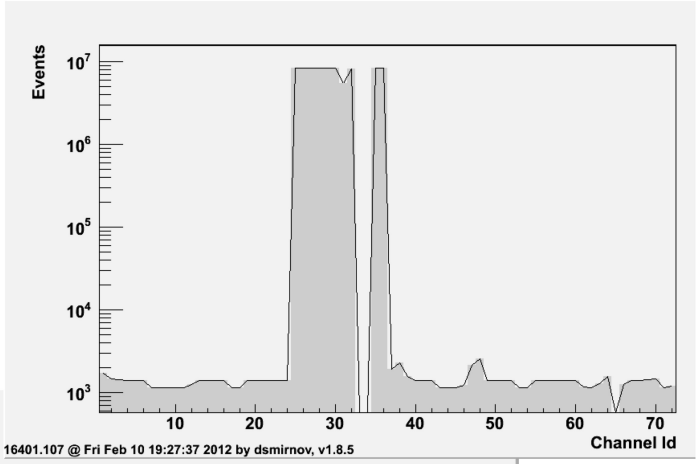
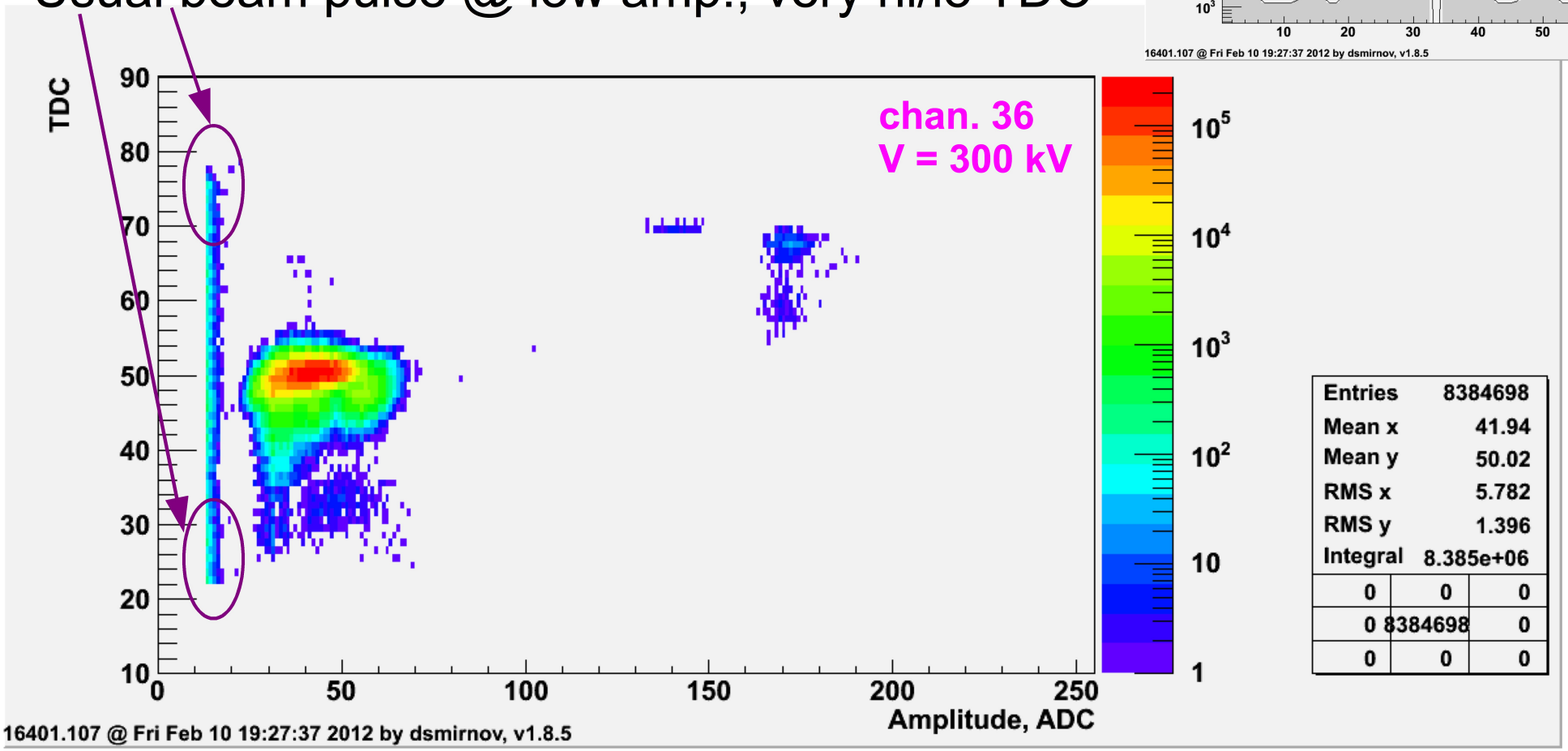
192 MHz V-scan

polar. mtg.
15.02.12

- 10.02.12: 192 MHz voltage scanned: 20,100,150,200,250,300 kV runs (sweep or fixed target) taken w/ Blu1, Yel1
- No sizeable effects in Blu1 (other than 'usual' beam pulse)
- In Yel1, increasing amplitude pulse in det. 3:
- ~fixed in TDC, middle of our window
- Usual beam pulse @ low amp., very hi/lo TDC



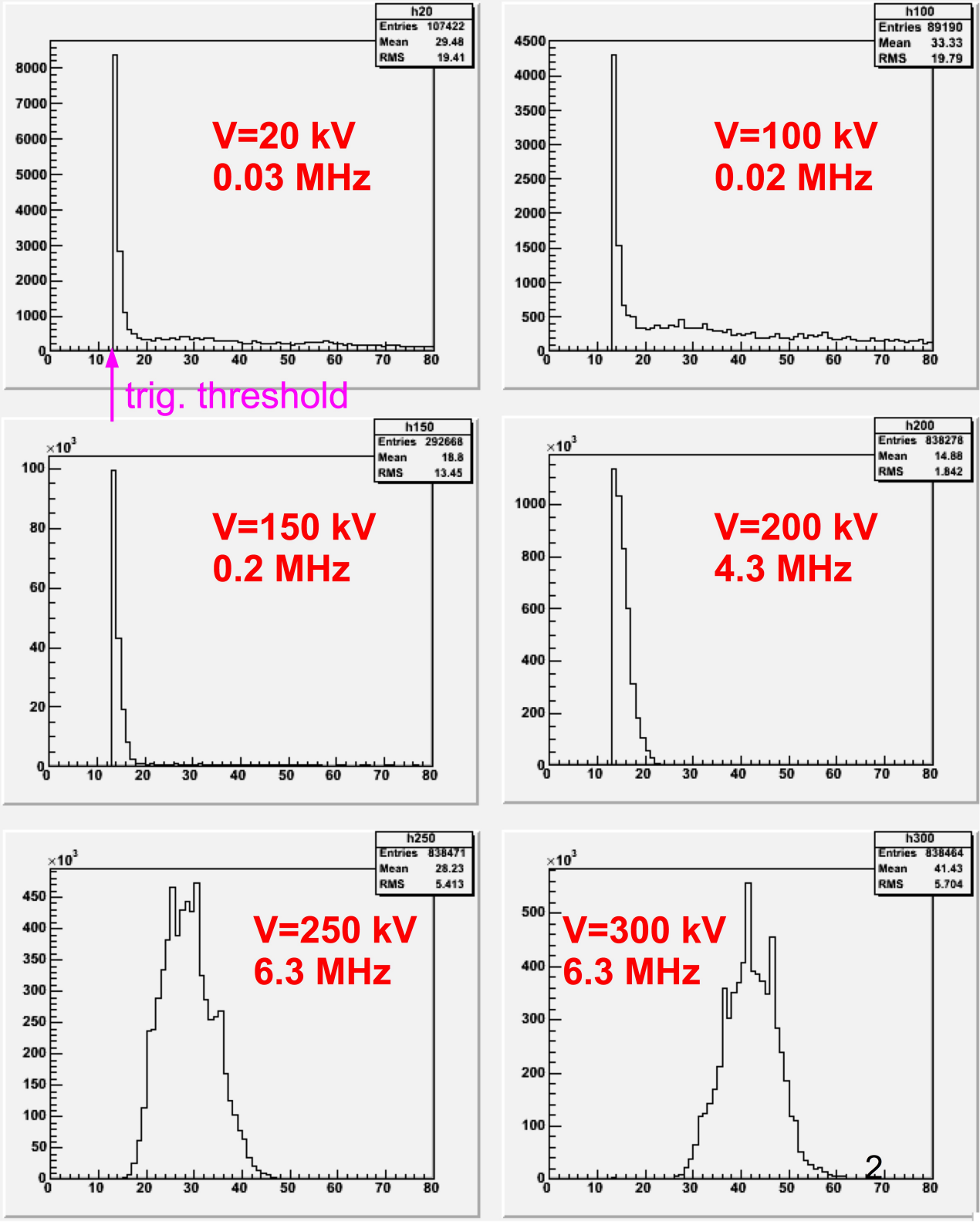


Single chan. rates, amp.

- Chan. 36 (edge det. 3)
  ~worst affected
- Here normalized
  rate/ADC count
  & total chan. 36 rate:

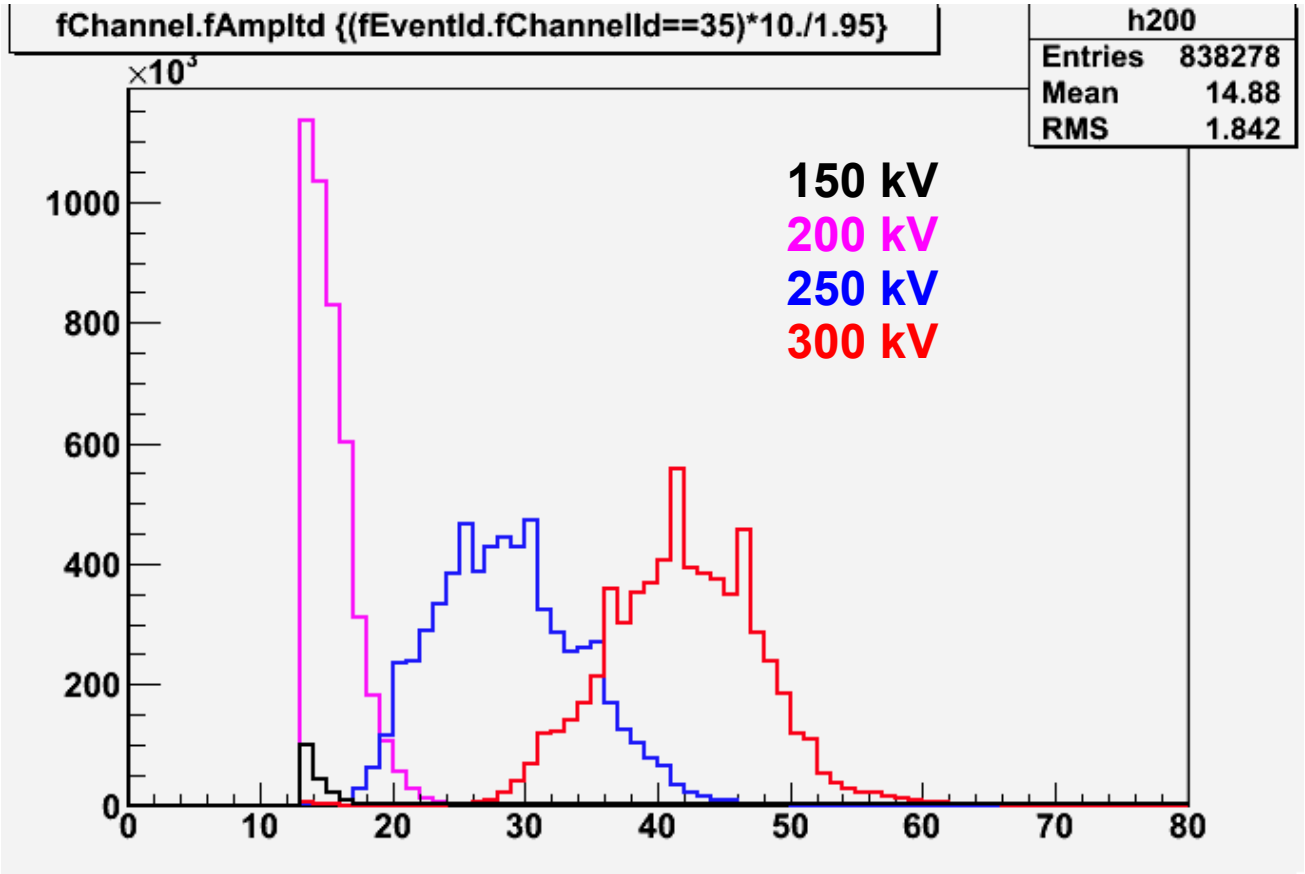
- @ 250, 300 kV:
  - pulse ~every p-bunch
  - well defined peaks

$\langle ADC \rangle$ = 28 @ 250 kV
= 41 @ 300 kV



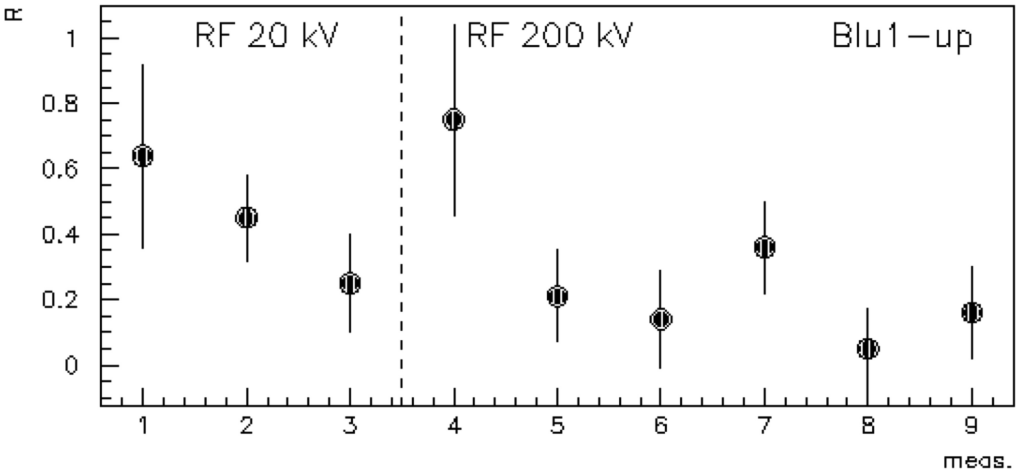
Single chan. amplitudes

- Chan. 36 raw ADC dist. one plot:

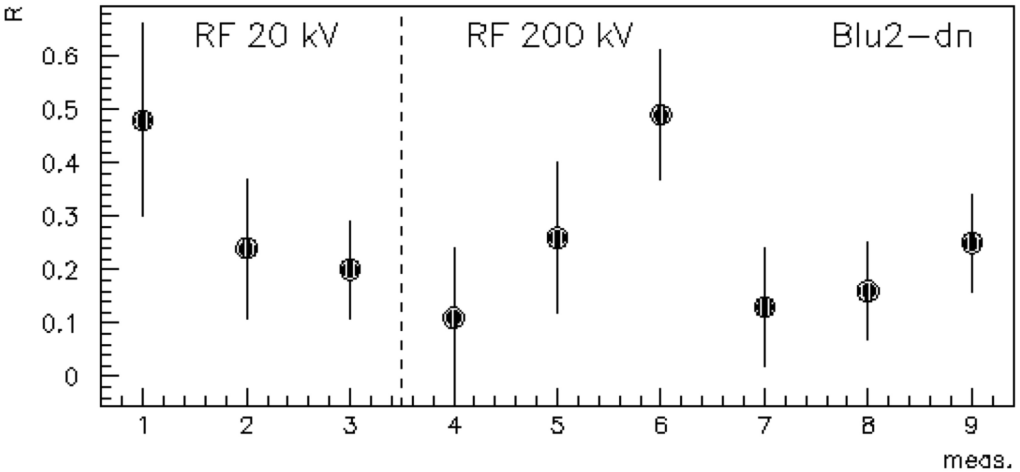


Transverve profile, RF V on/off

- Tues. AM several Blu measurement made:
  V = 200 kV → 20 kV → 200 kV
- Here transverse profile
  param. *R* for RF off/on:

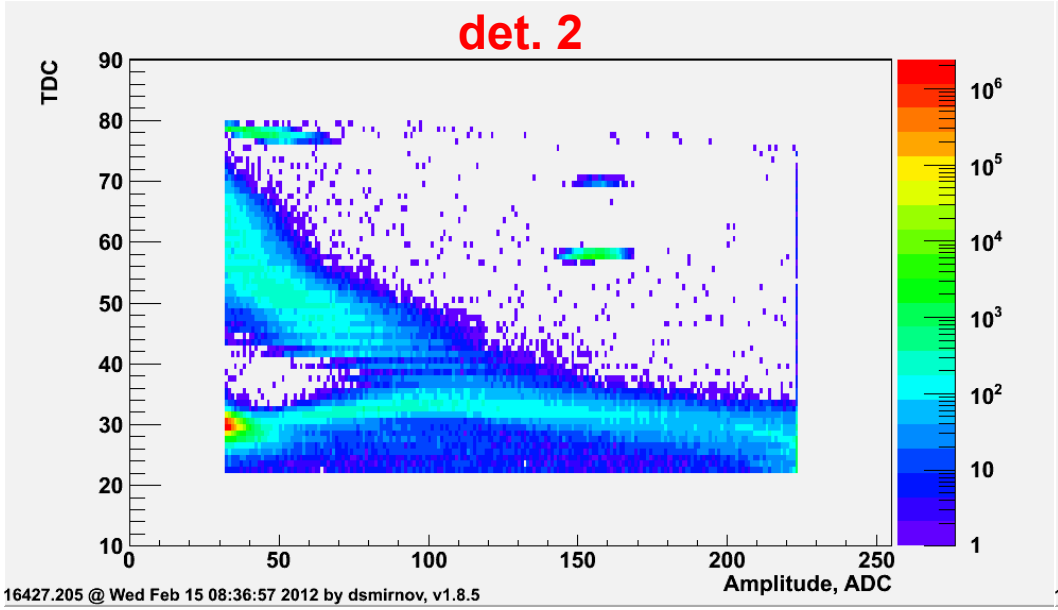


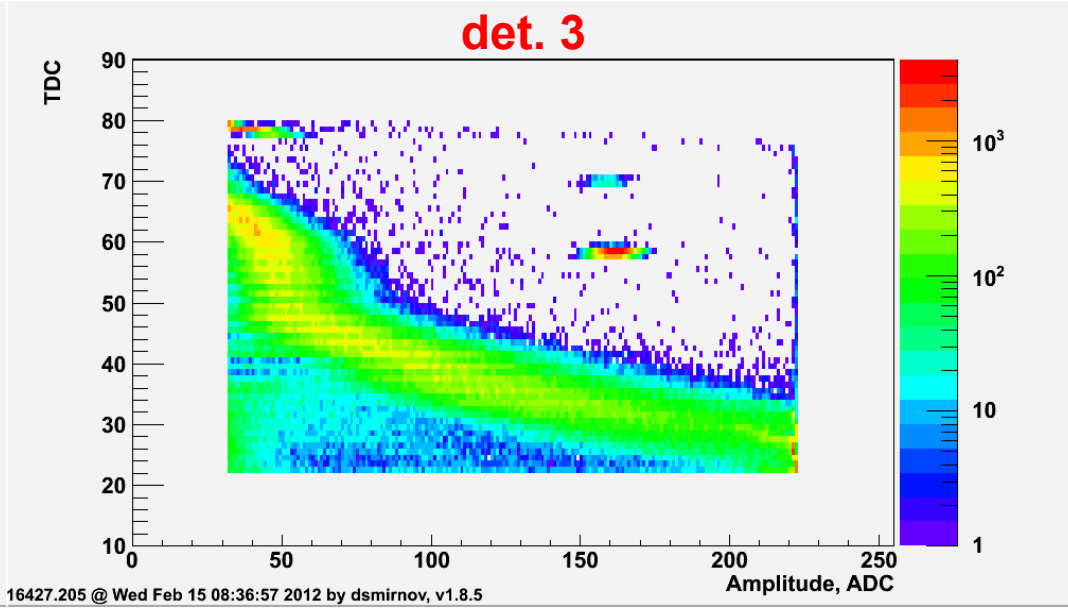
- Need more stat. for conclusions...

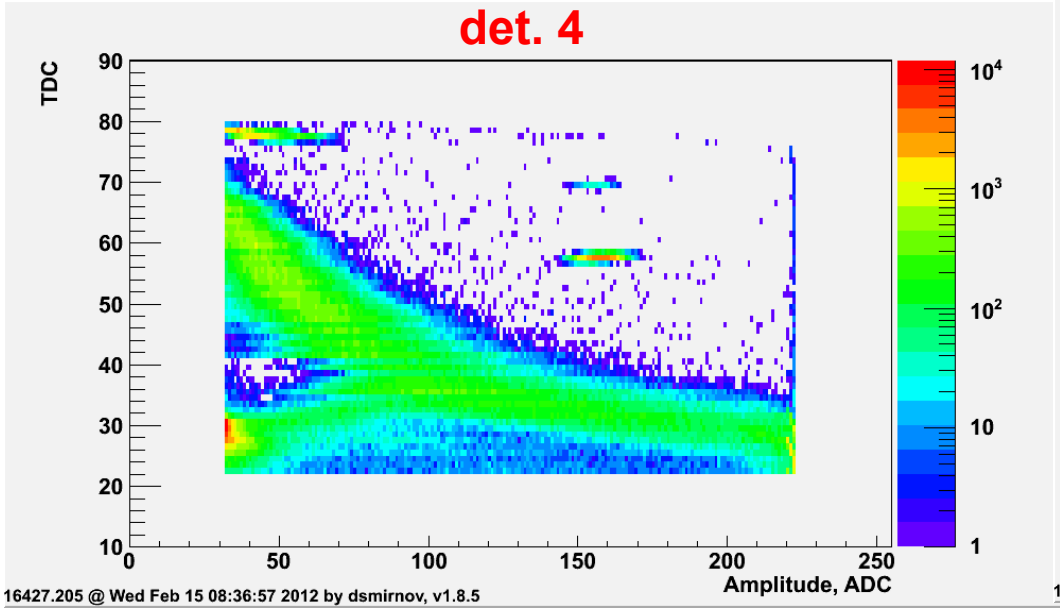


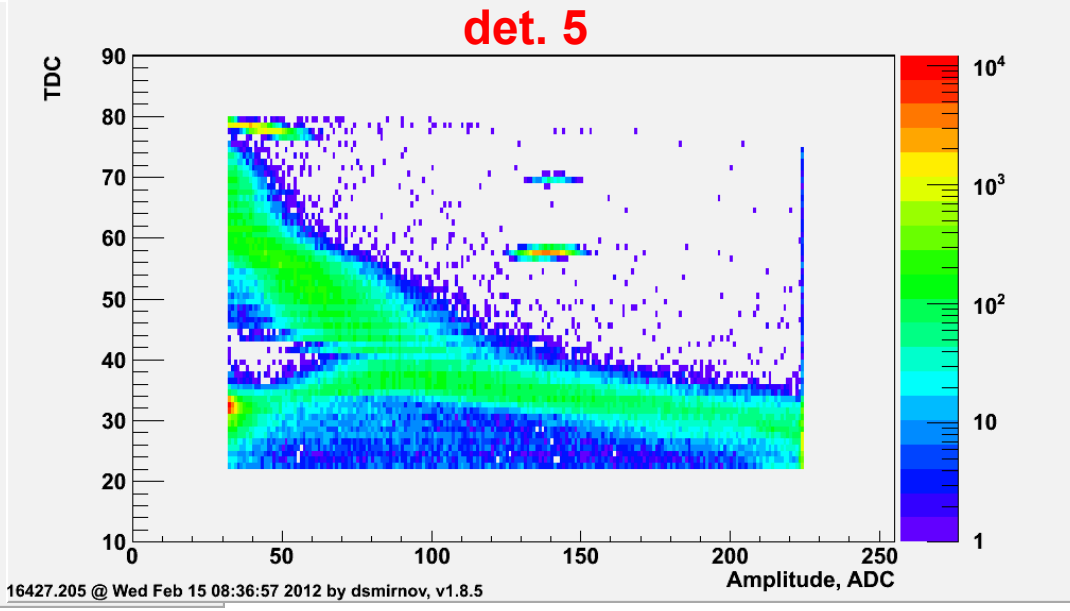
Hamamatsu problems?

- A not atypical B2D run this AM, single chan. each detector:

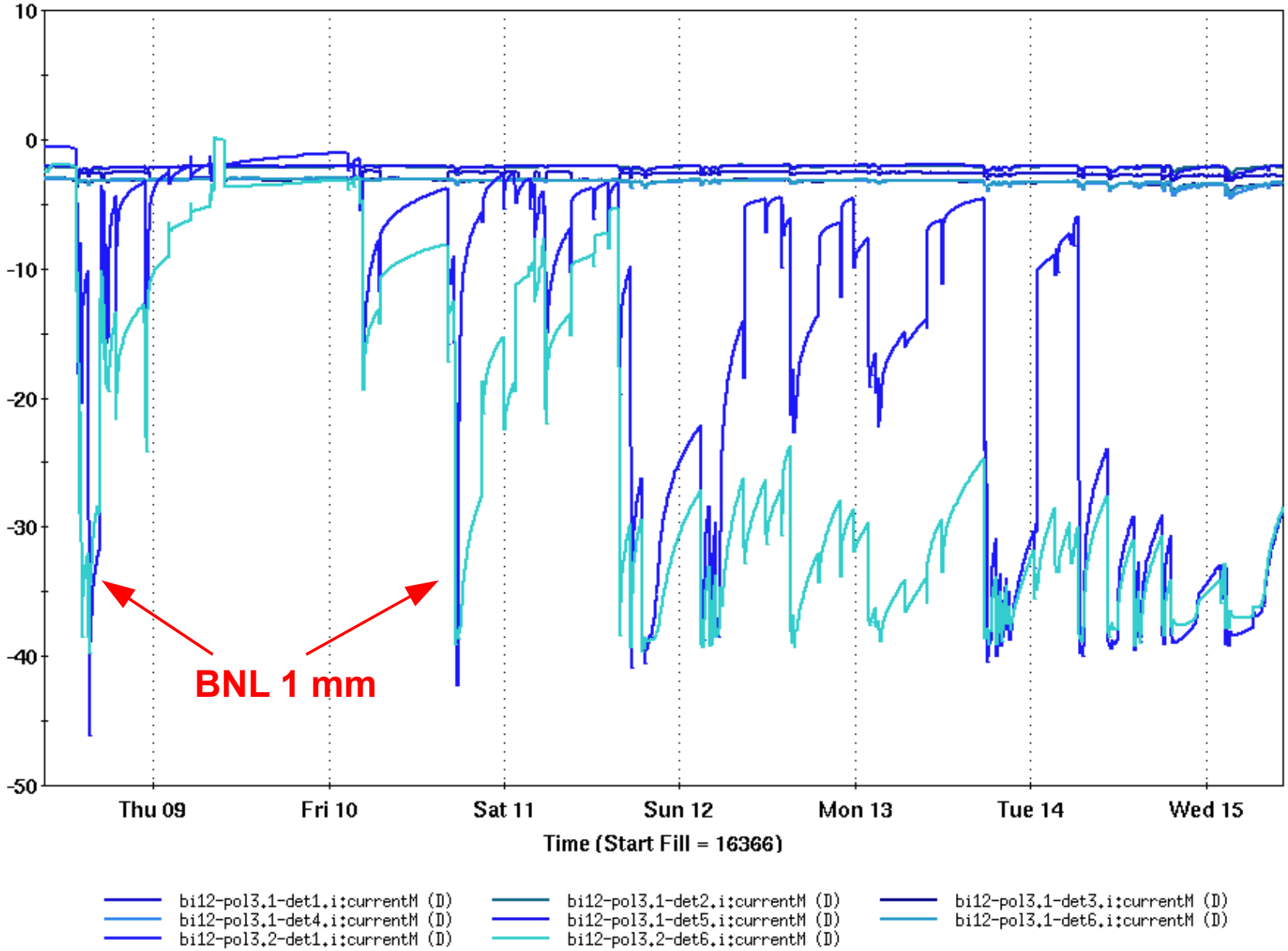
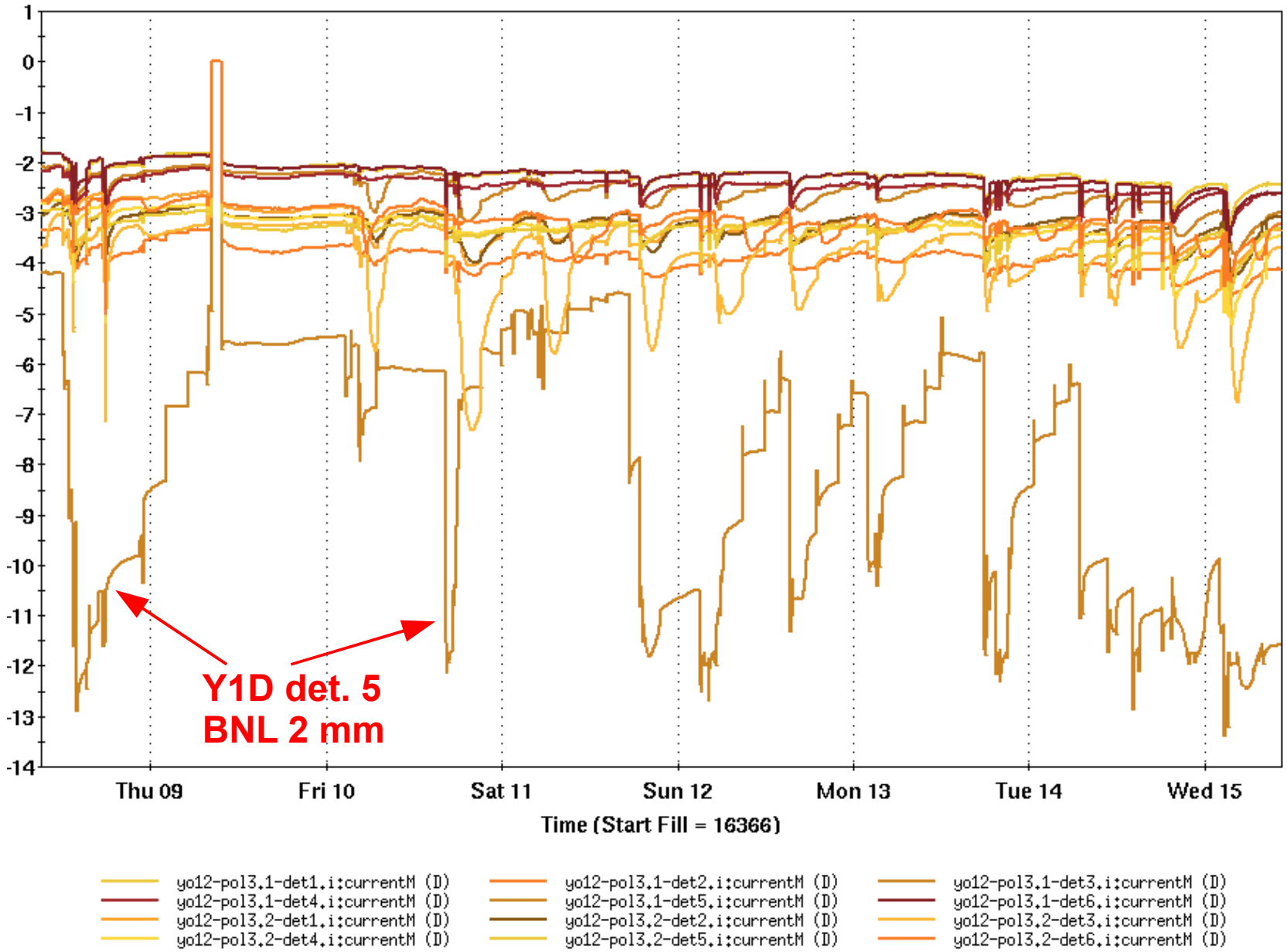








I_{bias}: Blue


10
0
-10
-20
-30
-40
-50
Thu 09
Fri 10
Sat 11
Sun 12
Mon 13
Tue 14
Wed 15
Time (Start Fill = 16366)
BNL 1 mm
bi12-pol3.1-det1.i:currentM (D)
bi12-pol3.1-det2.i:currentM (D)
bi12-pol3.1-det3.i:currentM (D)
bi12-pol3.1-det4.i:currentM (D)
bi12-pol3.1-det5.i:currentM (D)
bi12-pol3.1-det6.i:currentM (D)
bi12-pol3.2-det1.i:currentM (D)
bi12-pol3.2-det6.i:currentM (D)

I_{bias}: Yellow