

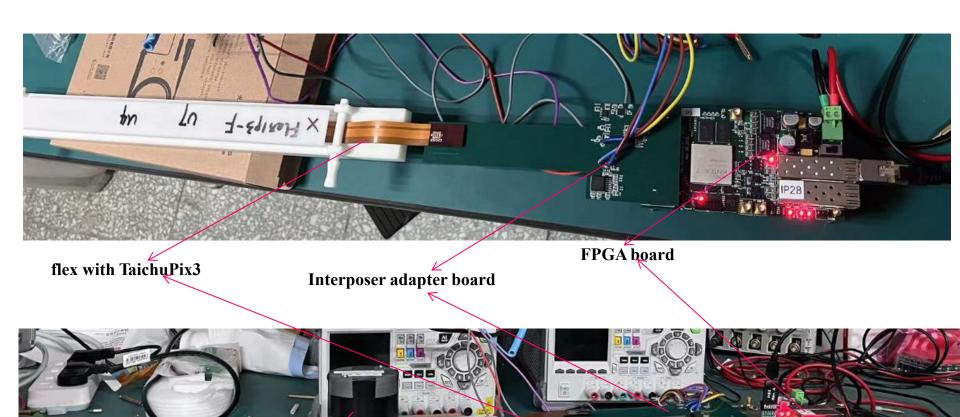
# Beta source test for TaichuPix3 FLEX BOARD

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### Setup



<sup>90</sup>Sr; 54M Bq; place above flex directly

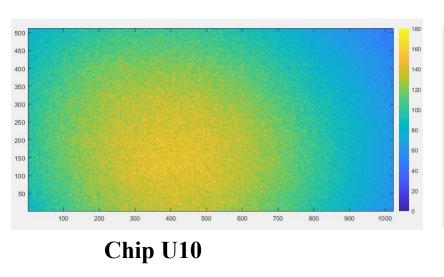


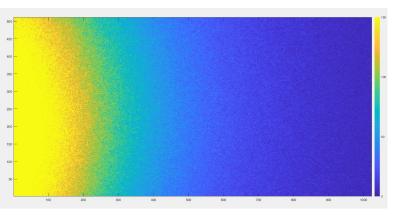


#### Test for two chips on V1P4-B



■ ITHR =96; Power condition: 1.8V/0.208A; 1.8V/0.073A; 12V/0.309; Data taking for 10min; CLK=15.625MHz



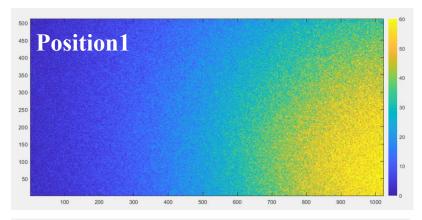


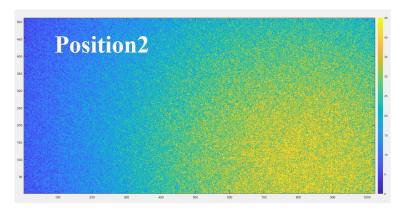
Chip U9

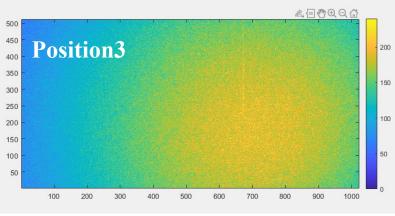


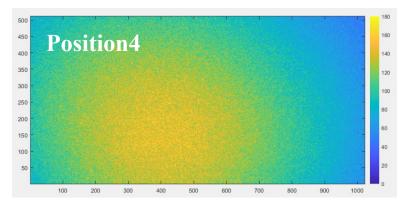


## **U10 Position changes**







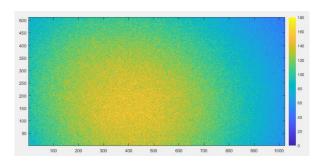


- data taking with DAQ
- Remove repeating data
- The shape is moving by different position



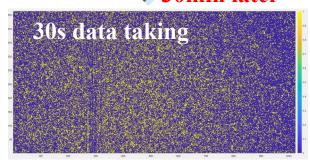


#### U10 condition difference

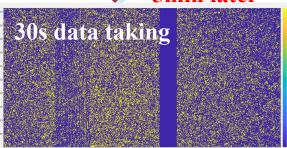


First 10 min data taking

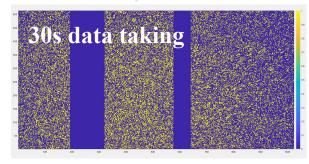
30min later



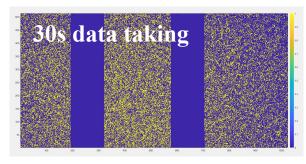
**♣** ~5min later



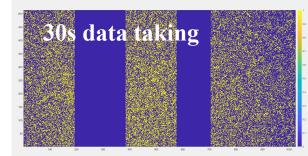
**♣** ~5min later



**♣** ~5min later



**♣** ~5min later



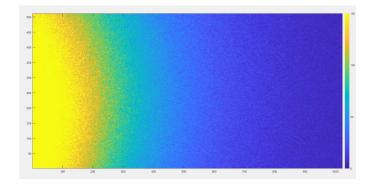
Keep this status more than 20 min

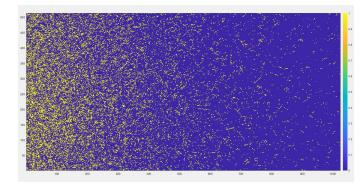
- The Sr-90 was placed above the U10
- Data rate from DAQ is around 4MB/s
- Everything was setup, and capture 30s data to draw hitmap after a while.
- Reconfig the chip, everything goes back normally

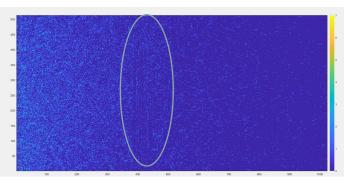




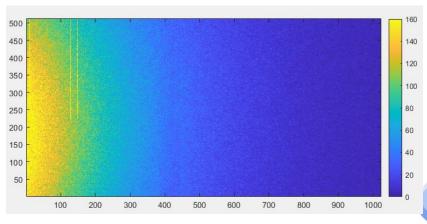
#### **U9** condition difference







- The U9 is next to the U10
- Data rate from DAQ is around 500KB/s
- Everything was setup, and capture 30s data to draw hitmap after a while.
- After 30 min, no big region difference, but with several wired clumnn







## Thanks for your attention!

