BPM Status

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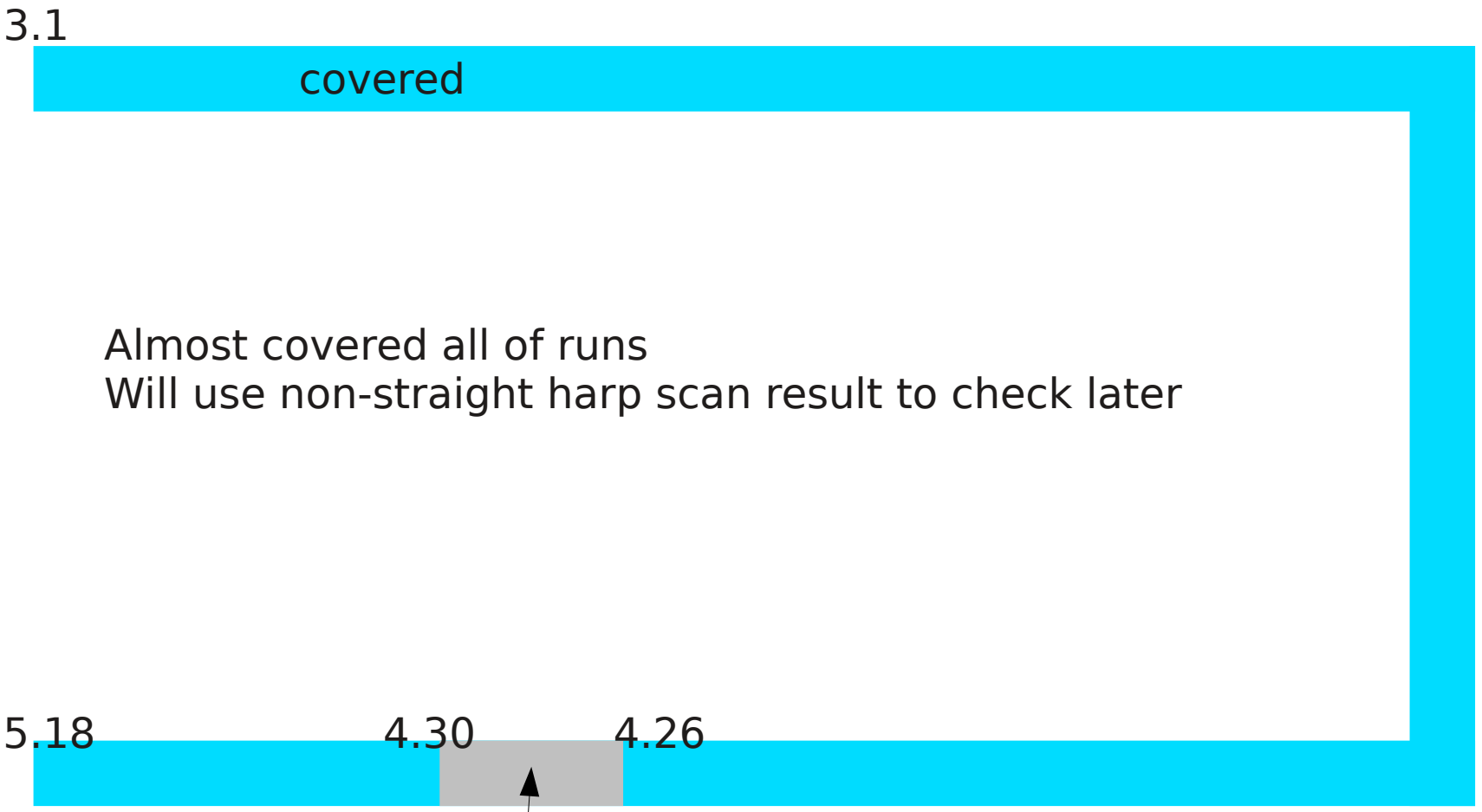
Calibration status



Almost covered all of runs
Will use non-straight harp scan result to check later

alternative BPM B receiver
Need to use harp 05 and calibrated BPM A info to calibrate
Will do it later
(only 2.5TB target field harp scan data exists)

Will study bpm noise and optimise result later after raster calibration
Most of error in tgt position came from BPM B

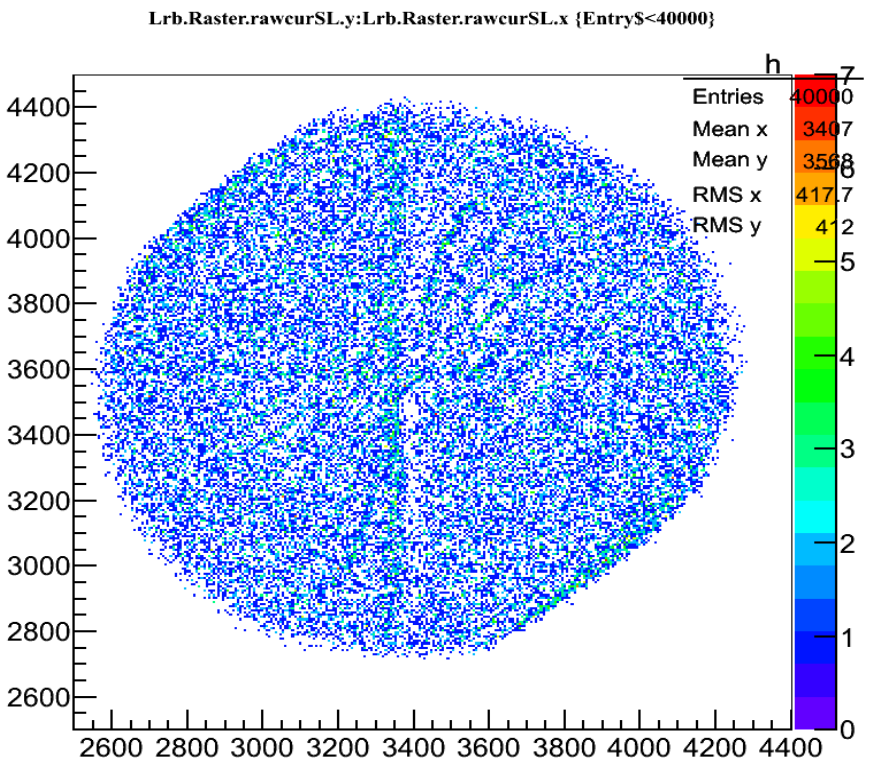
On going:

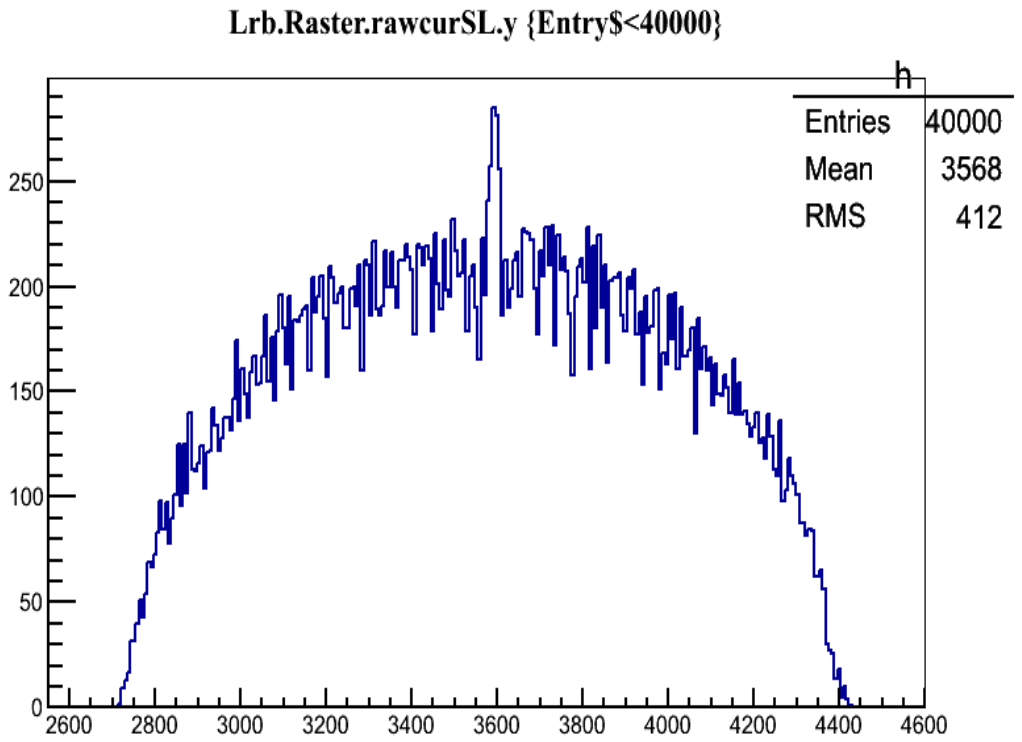
Raster calibration

Main idea for raster calibration:

First step:

Calibrate raster size with ADC by using BPM info





Second step:

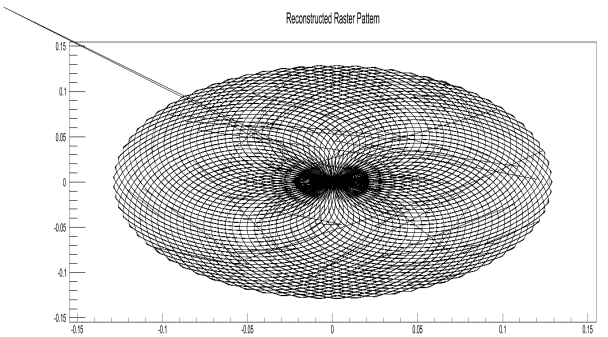
With known function and frequency,

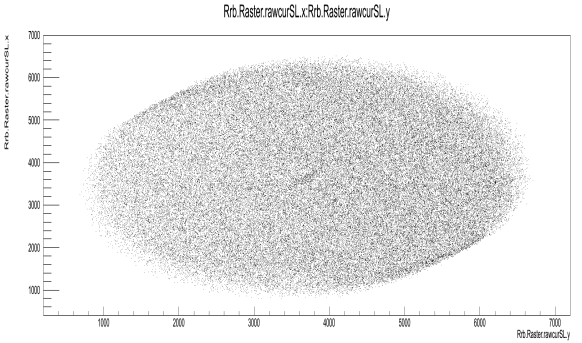
Find initial phase info calculated from data

Use rebuilt raster signal to be the event by event Position info(using fast clock infomation)

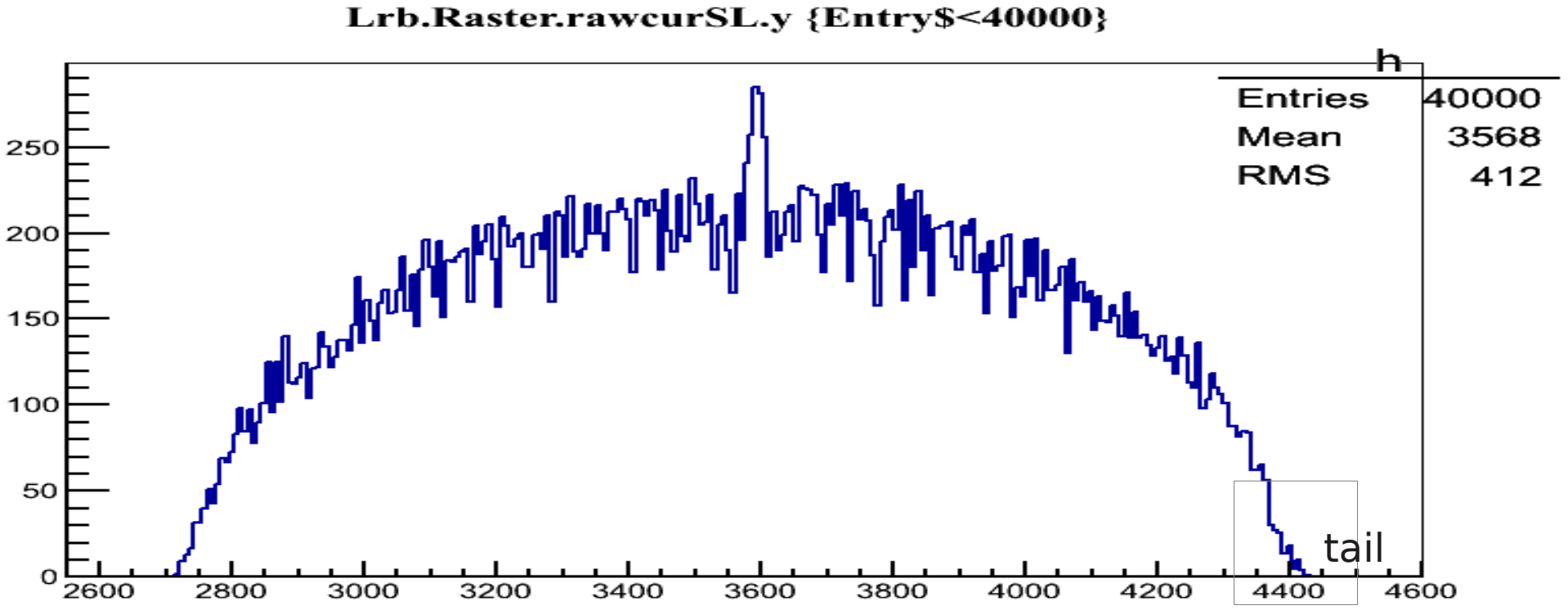
Purpose:

Get rid of uncertainty caused by ADC accuracy limit





pic from toby



See you next week!