

Slow control

- Should be OK both in FEV11 and 13.
- Confirmed by vth0
 - Change trigger threshold
 - See the change in the vth0 (trigger threshold)
- All studies in CC mode

The problem on Raz_chn

- Raz_chn is found to be inverted
- Found a FPGA code that it is artificially inverted due to probably mis-routing of SMBv4
- Fixed for SMBv5 (re-inverted)
- This enables FEV13 to get some data

Problem on start_acq

- Start_acq only comes > 3.4 sec later than the previous start_acq
- Regardless of frequency (confirmed in 2/5/10 Hz)
- HDMI input OK (see pulse every 200 msec)
- Reason unknown



Yellow: start_acq pink: spill

Comments on signals

- SPILL go down \rightarrow start acq going up
- Start acq going down to end_readout1: ~ 150 ms
- Start_convb: $14 \mu\text{s}$ after start_acq going down
- Start_readout1: $700 \mu\text{s}$ after start_acq down

Data collapse

Data at end of each spill collapsed.

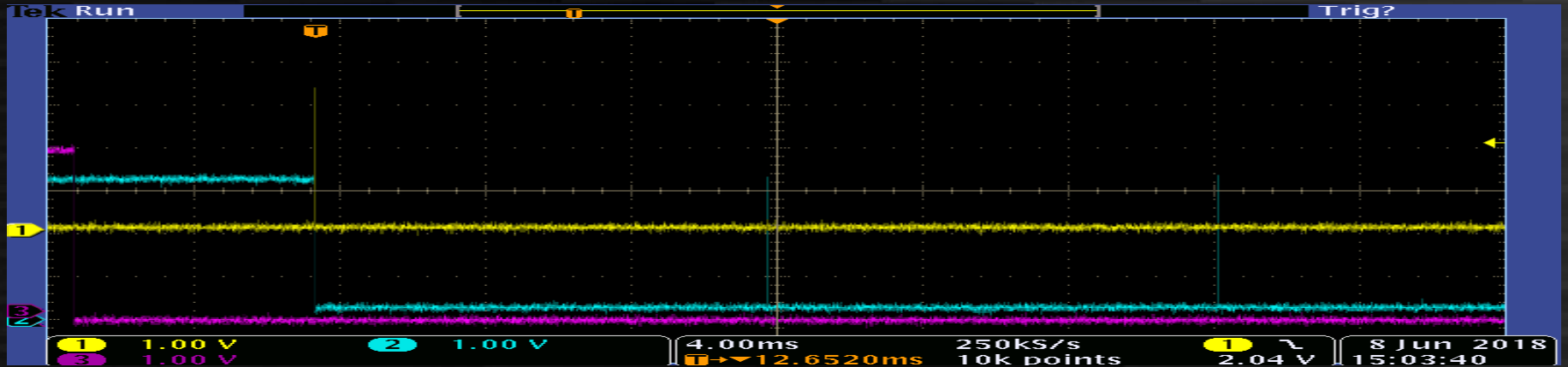
```

root@l
ファイル(F) 編集(E) 表示(V) 検索(S) 端末(T) ヘルプ(H)
0134200 1374 13a6 1384 13a5 1385 1393 137d 0144
0134220 013f 0135 0137 0137 0138 0139 013c 0137
0134240 0136 0141 0136 013c 0140 013c 0137 0132
0134260 0142 0135 0137 0137 0138 013e 0138 0138
0134300 0140 0135 0139 0138 0136 013c 0136 0135
0134320 0134 013b 0134 0138 0143 013e 013b 0135
0134340 0138 013b 0136 0135 0134 0134 0135 013e
0134360 0142 0135 0131 0138 0138 0137 0143 117e
0134400 1176 1180 117b 1184 1181 1185 116d 07af
0134420 077d 074b 0719 06e7 06b5 0683 0651 061f
0134440 05ed 05bb 0589 0557 0525 04f3 0009 0009
0134460 fffc 0000 e5af 5053 4c49 2020 ffff 0000
0134500 e5af 0000 0000 0000 2020 0634 ffff 0000
0134520 e5af 0000 0000 0000 2020 0e12 0000 0000
0134540 0000 0000 0000 0000 ffff 0000 e5af 0000
0134560 0000 0000 2020 d00d 0000 0000 0000 0000
0134600 0000 0000 ffff 0000 e5af 0000 0000 0000
0134620 2020 a20d 0000 0000 0000 0000 0000 0000
0134640 ffff 0000 e5af 0000 0000 0000 2020 7c12
0134660 0000 0000 0000 0000 0000 0000 fffc 0000
0134700 e5b0 5053 4c49 2020 fffd ff01 4843 5049
0134720 2020 012c 0129 012e 0126 0130 0126 012b
0134740 011c 0120 012b 011f 0128 0124 0128 012e
0134760 0120 0129 0132 0129 012a 012c 0132 0124
0135000 0125 0125 012c 0125 012a 0126 011b 012c
0135000 0125 0125 012c 0125 012a 0126 011b 012c
0135000 0125 0125 012c 0125 012a 0126 011b 012c
    
```

Section	subsection	field	hex	ascii
SPILL header		Marker	0xFFFFC	
		<ACQid> msb	
		<ACQid> lsb	
		Ascii tag	0x5053	"SP"
		Blank space	0x2020	" "
CHIP header		Marker	0xFFFFD	
		<ID>	0xFF..	
		Ascii tag	0x4843	"CH"
		Blank space	0x2020	" "
		Raw DATA	binary	
CHIP trailer		Marker	0xFFFFE	
		<ID>	0xFF..	
		Blank space	0x2020	
		Blank space	0x2020	
SPILL trailer		Marker	0xFFFFF	
		<ACQid> msb	
		<ACQid> lsb	
		<nb chip>	0x00 ..	
		<ACQid> msb	
		Blank space	0x2020	

SPILL header instead of SPILL trailer found

Data Collapse



Transmiton1B (blue) and start_readout (yellow)



dout1b

Plan

- Finalize to investigate issues by next Tuesday
- Gluing at Wed-Fri next week
- Test and bias board on the week of 18th
- Test @ LLR on the week of 25th
- Move to DESY