

ECL Trigger Meeting

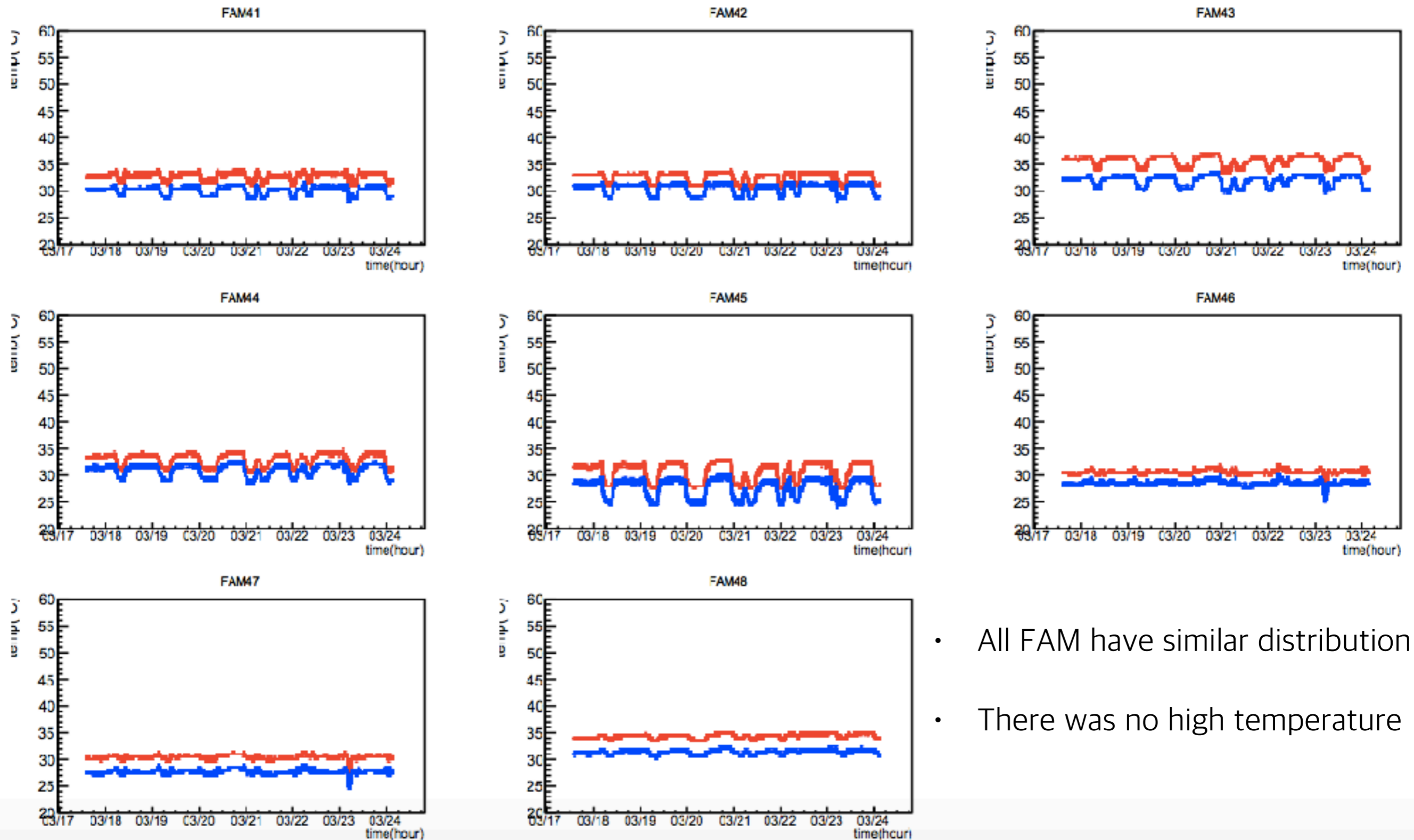
2017/03/24

YoungJun Kim

Monitoring result Report

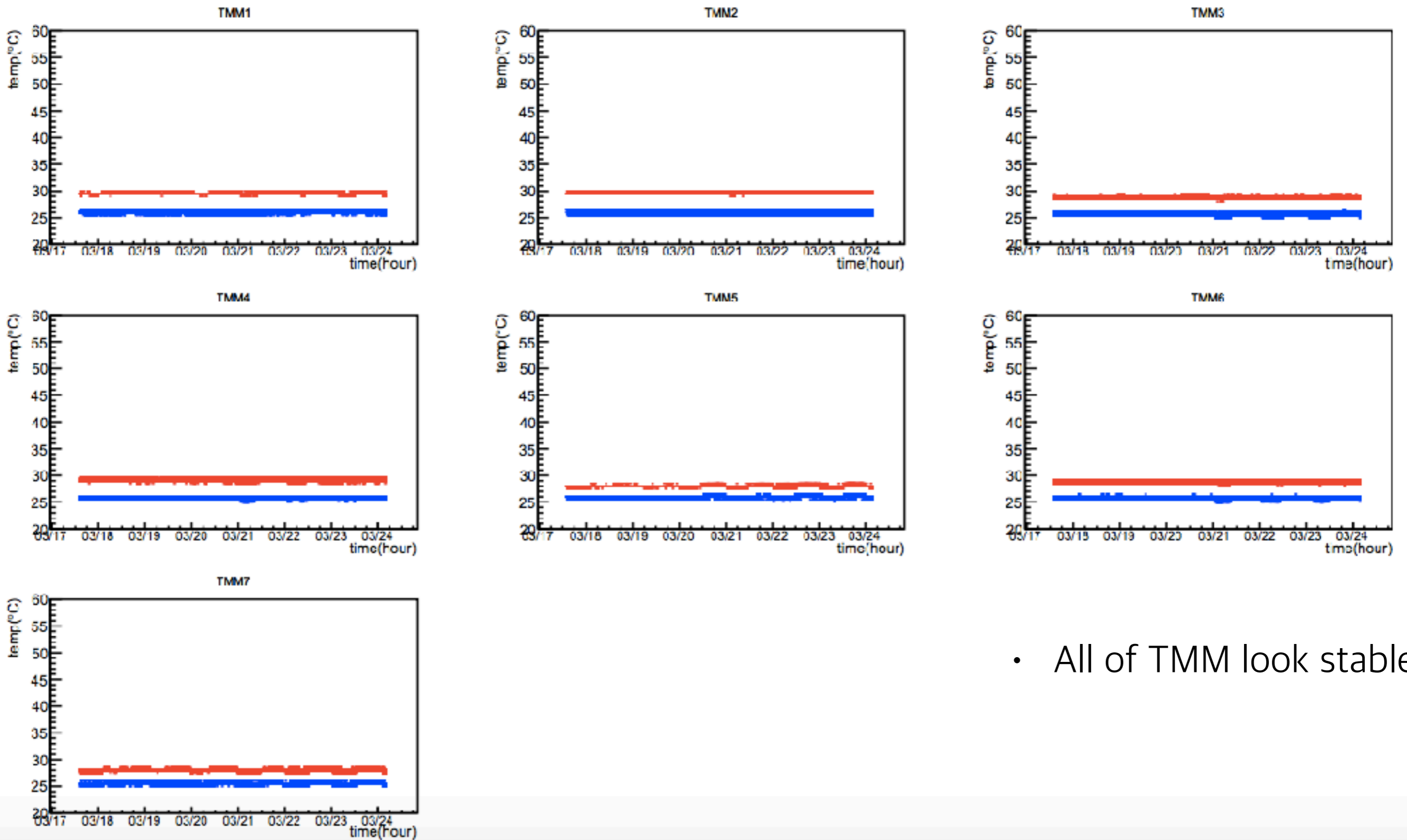
- Temperature - FAM and TMM
- Hit rate - FAM and TMM
- Noise level - FAM

Contents-Temperature : FAM 41~48



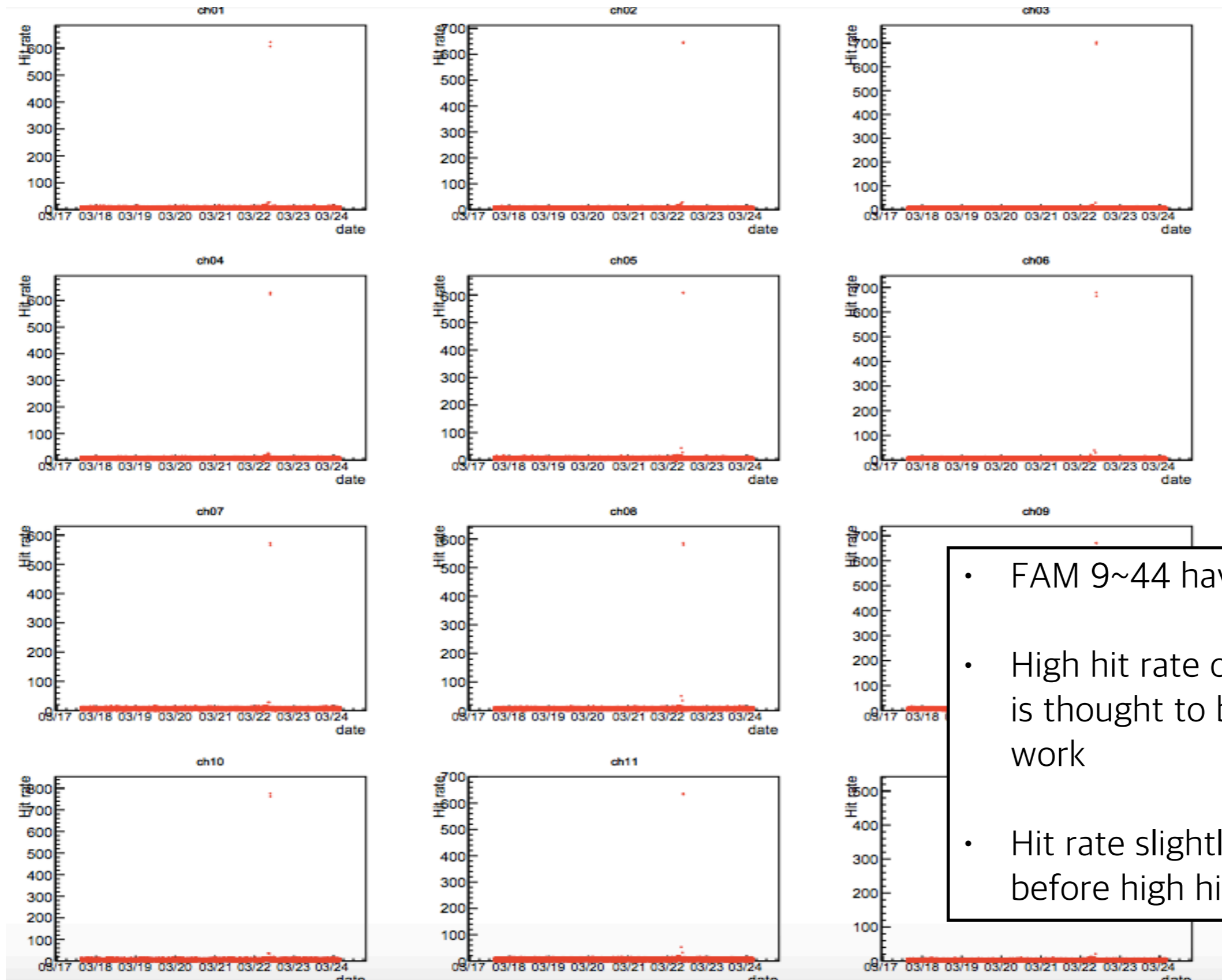
- All FAM have similar distribution
- There was no high temperature

Contents-Temperature : All TMM



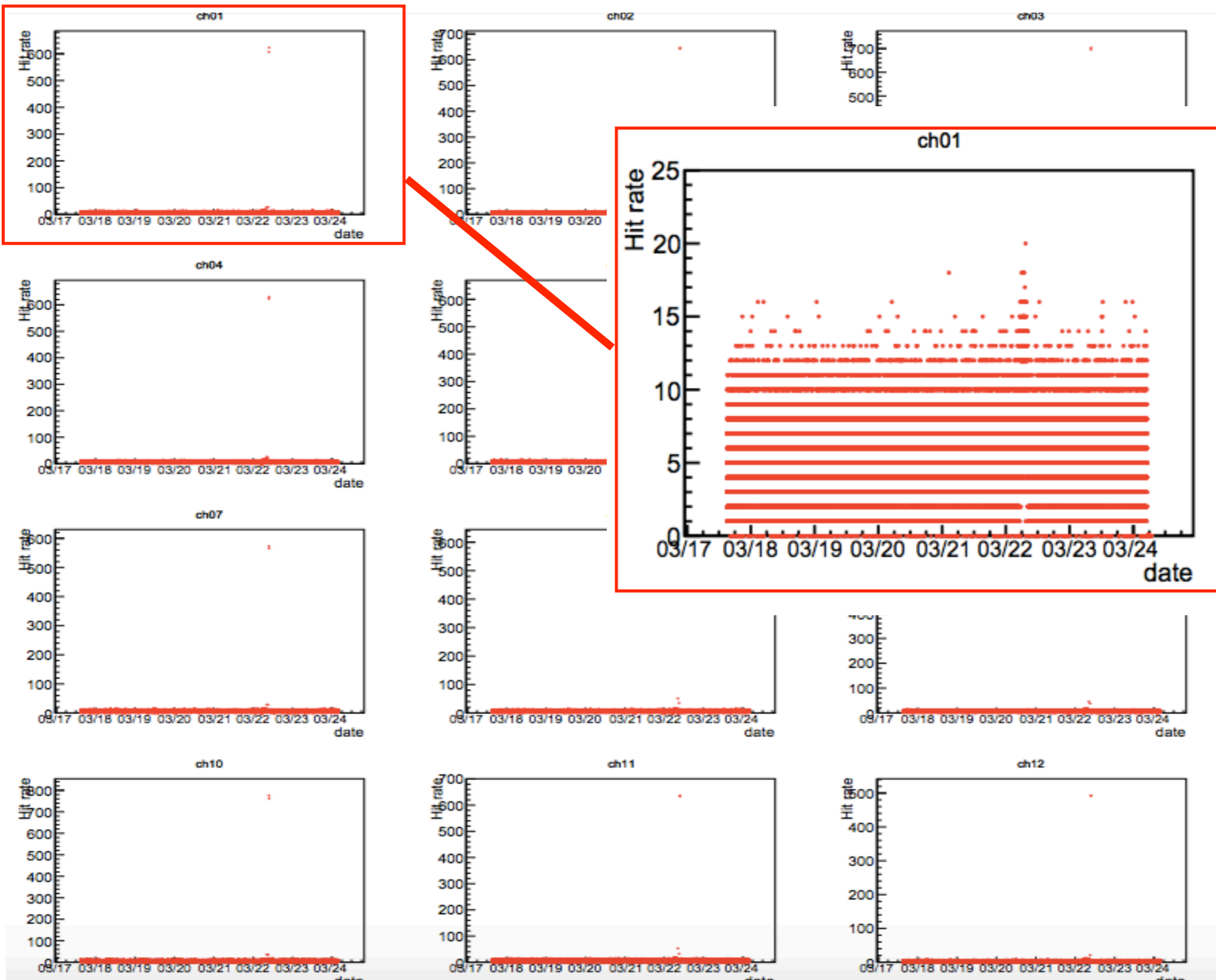
- All of TMM look stable

Contents-Hit rate : FAM 42

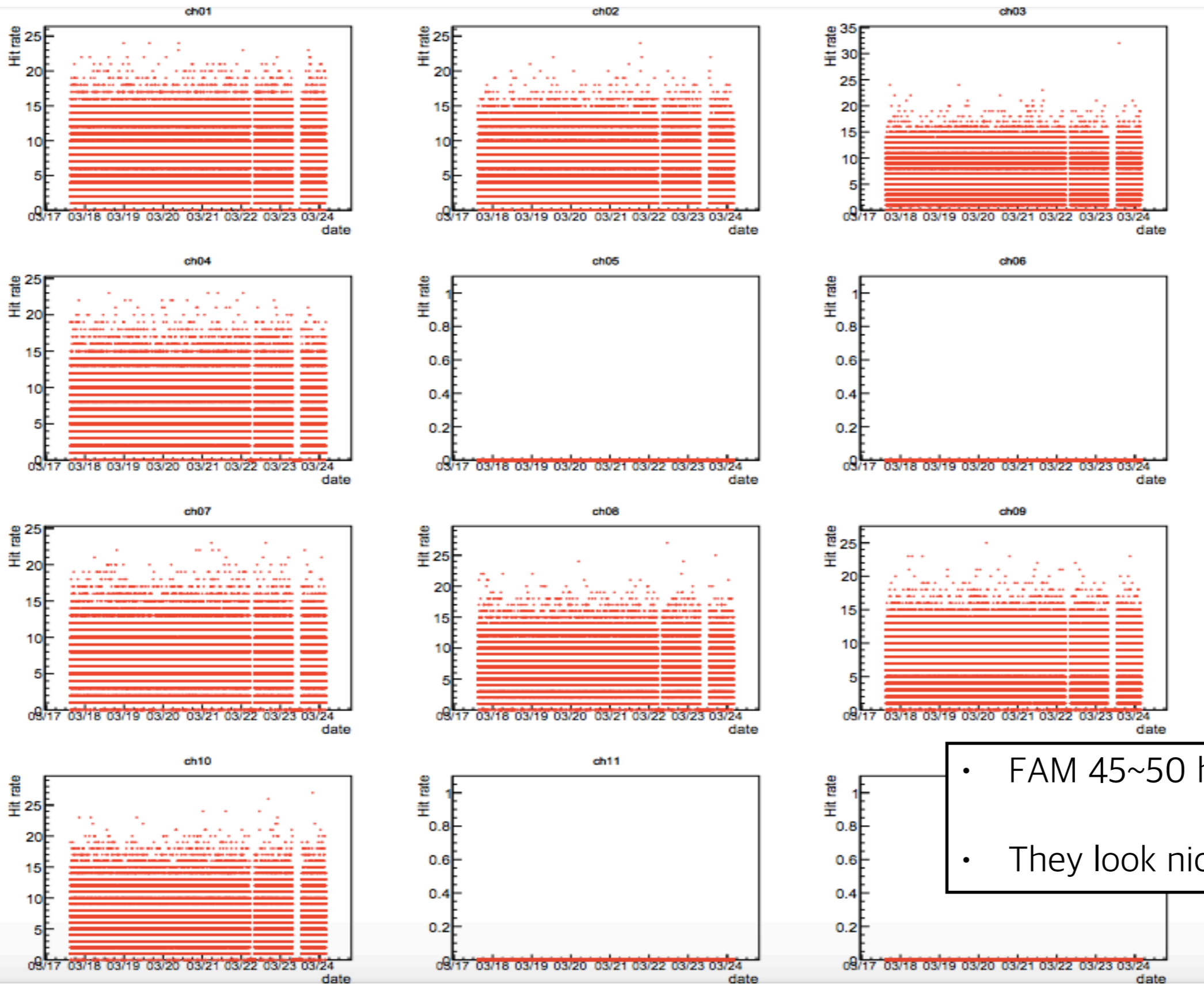


- FAM 9~44 have same behavior
- High hit rate on 03/22 is thought to be due to ECL side work
- Hit rate slightly increased on 03/22 before high hit rate

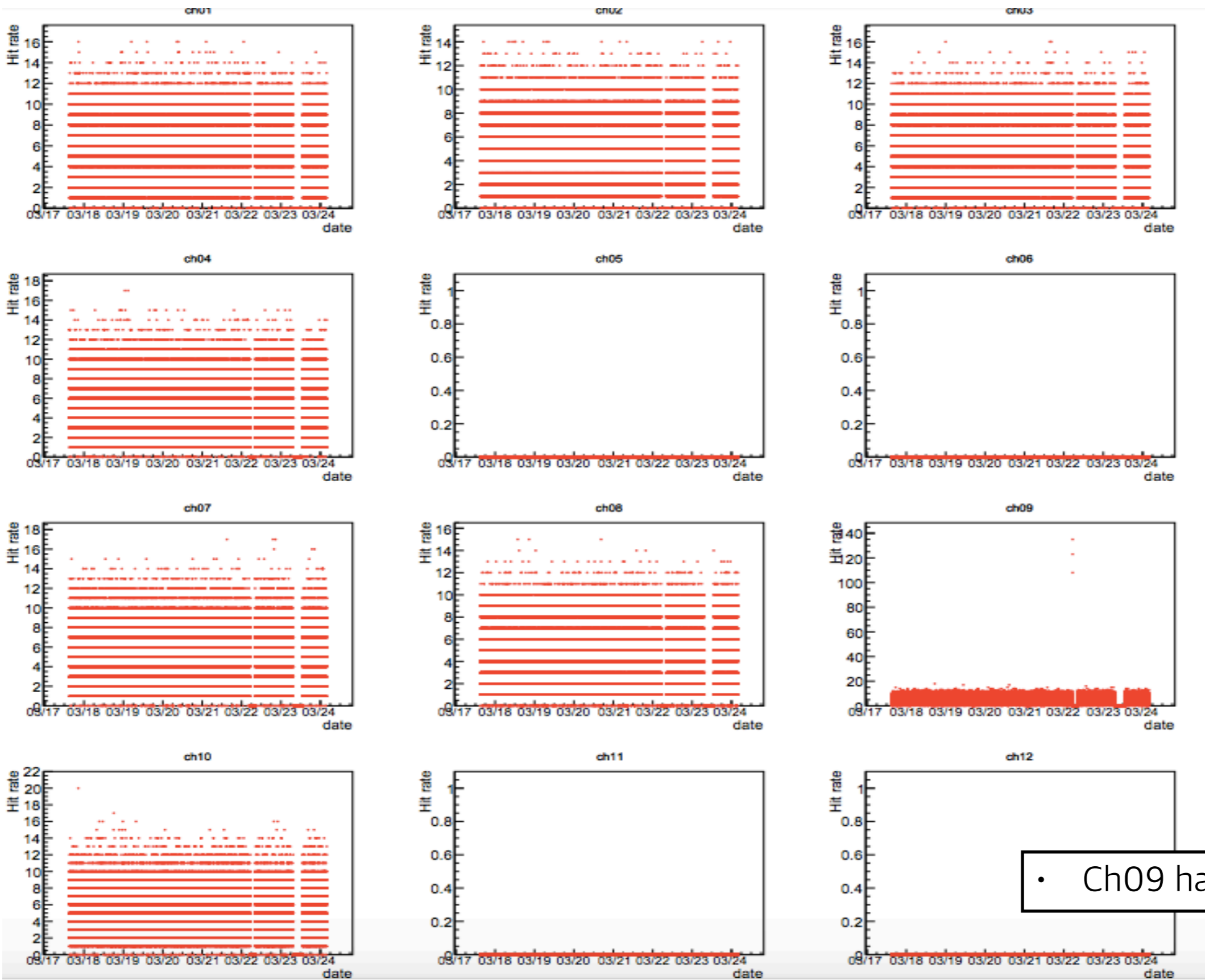
Contents-Hit rate : FAM 42



Contents-Hit rate : FAM 48

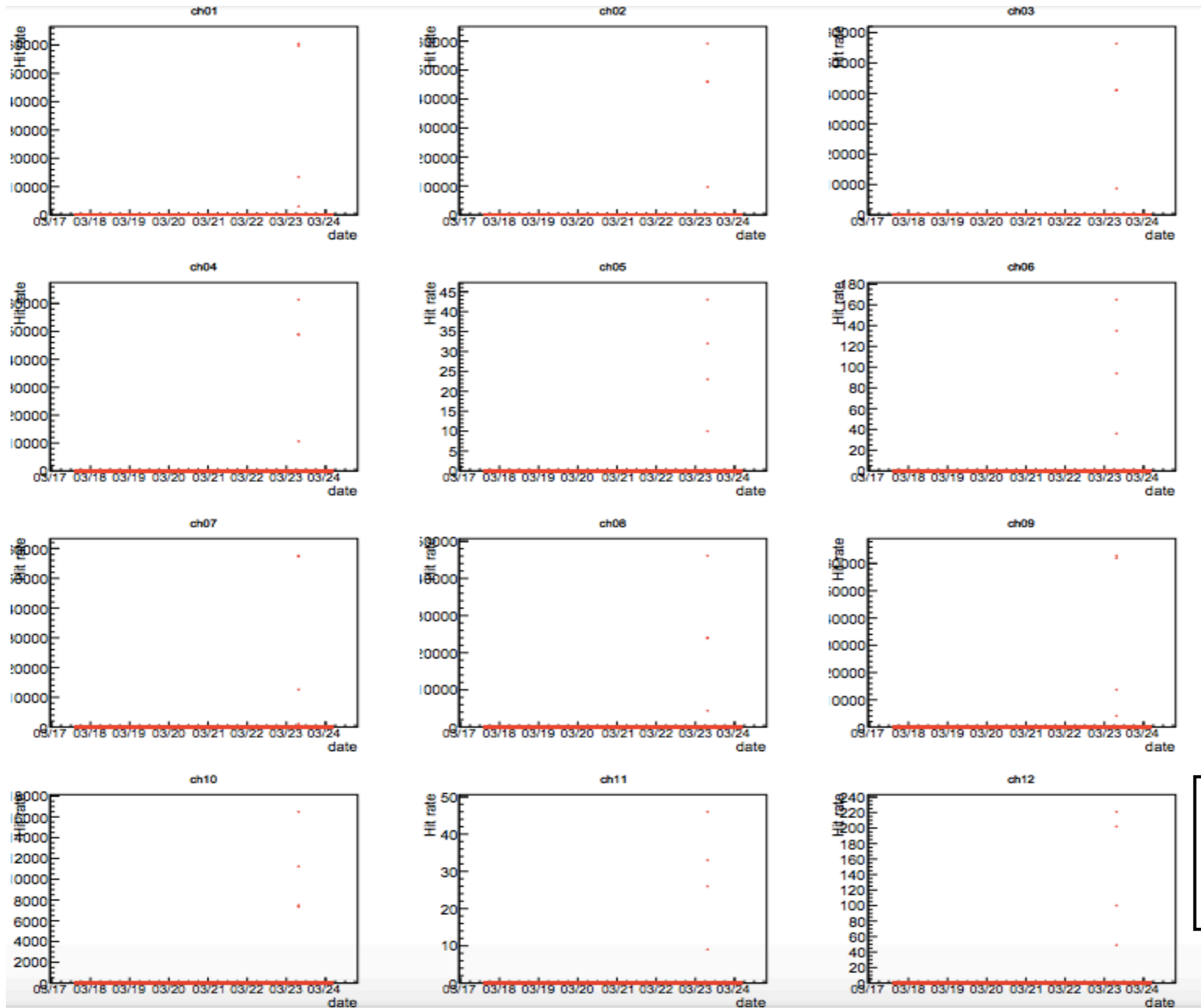


Contents-Hit rate : FAM 51



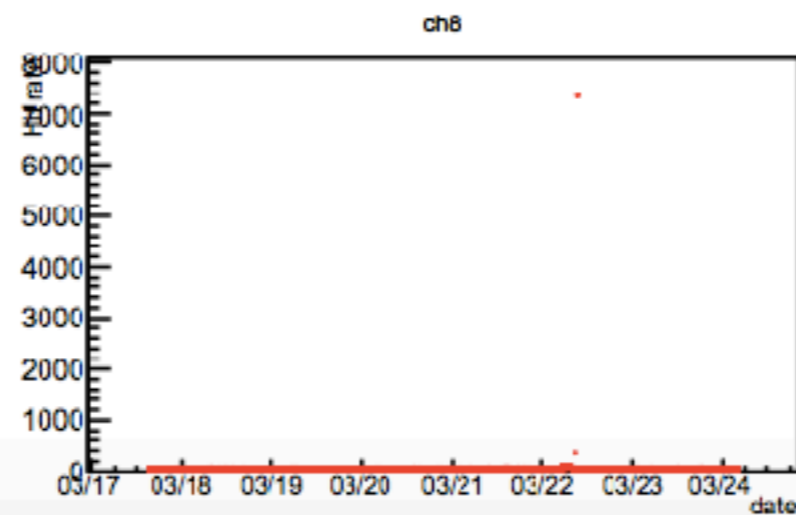
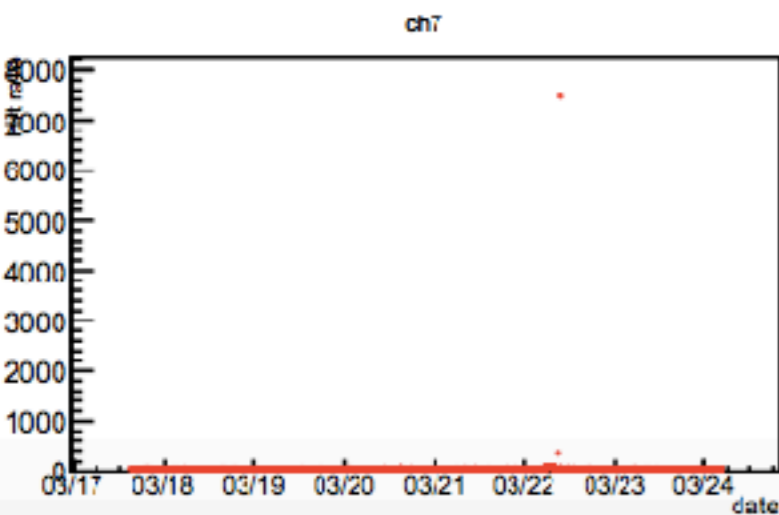
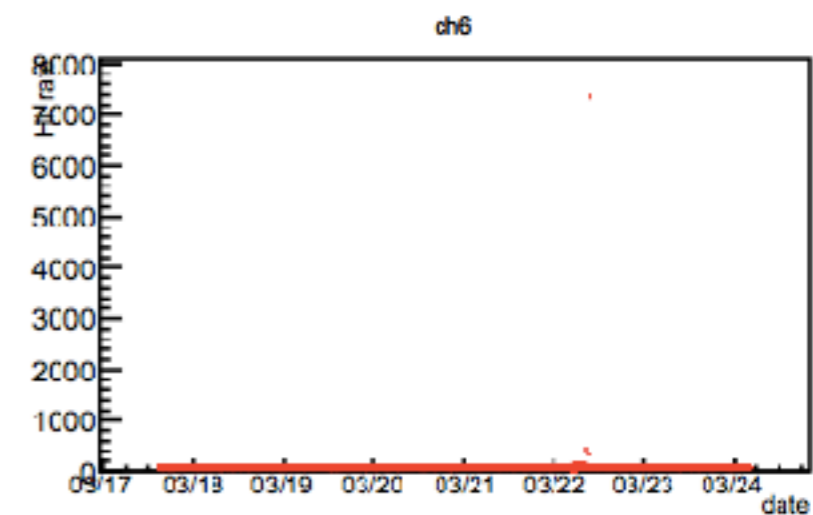
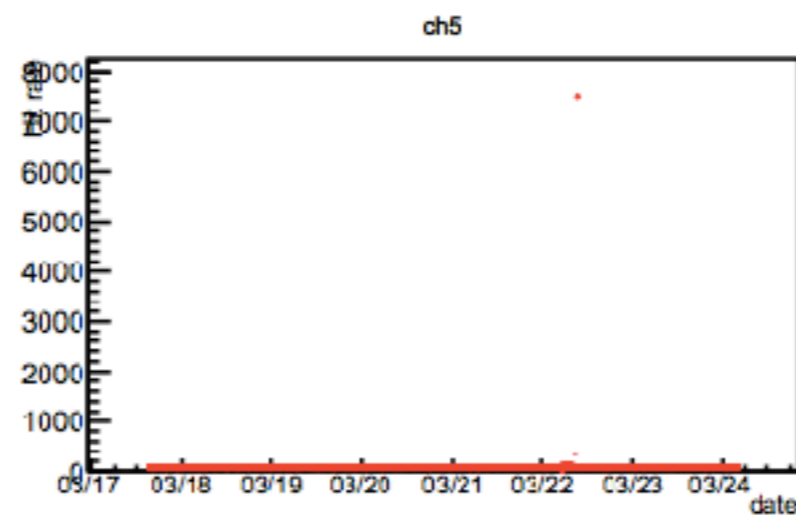
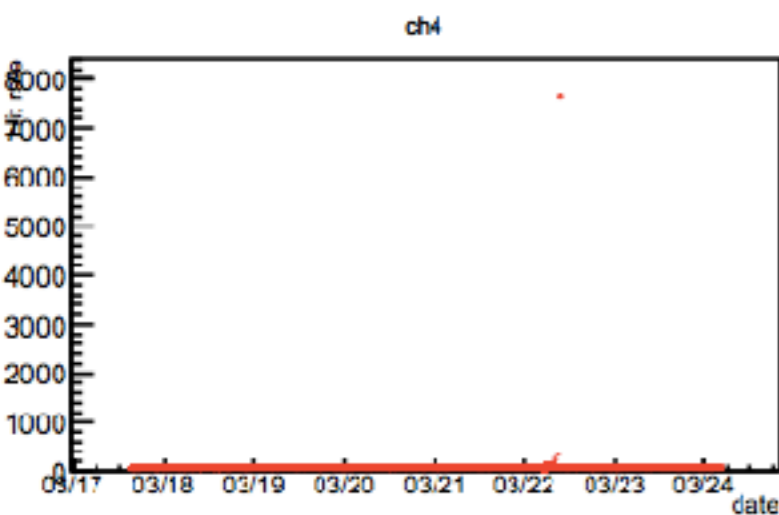
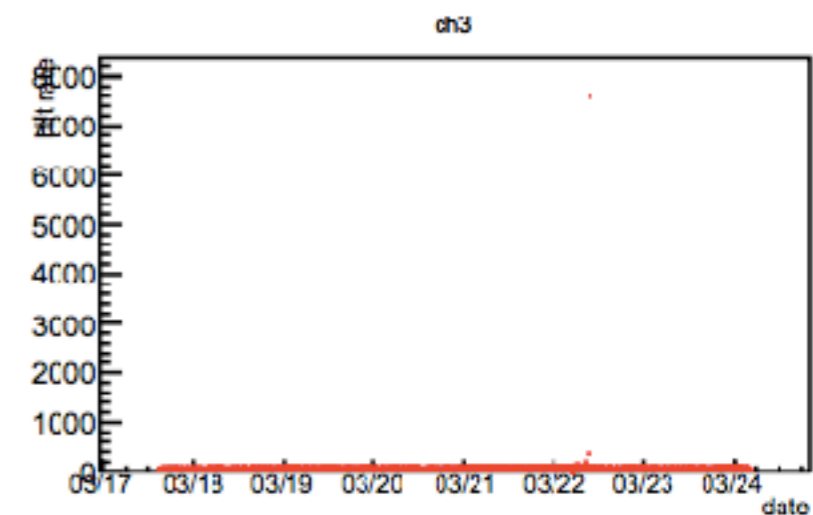
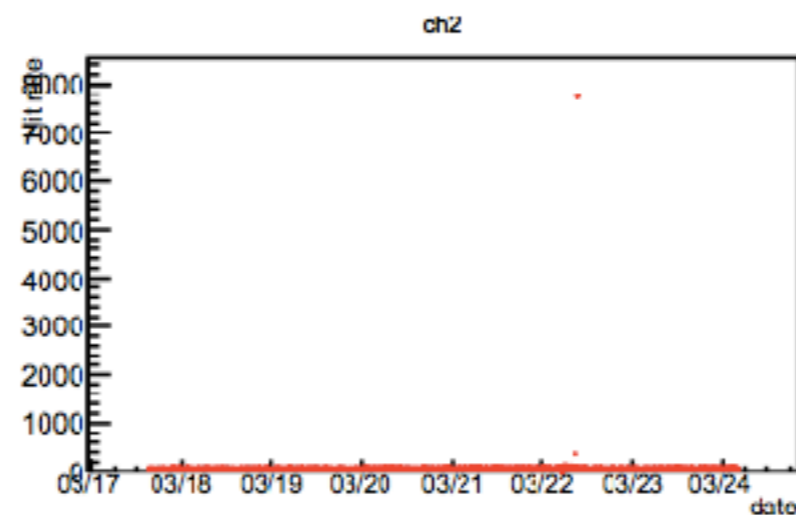
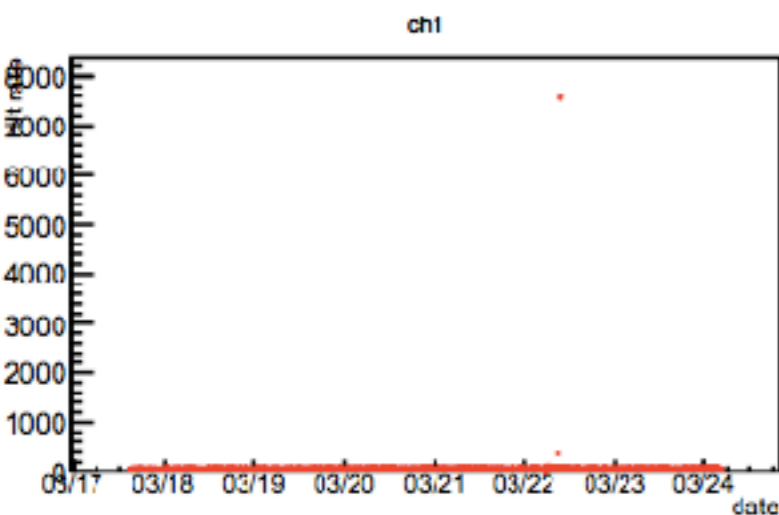
• Ch09 has some high hit rate

Contents-Hit rate : FAM 52



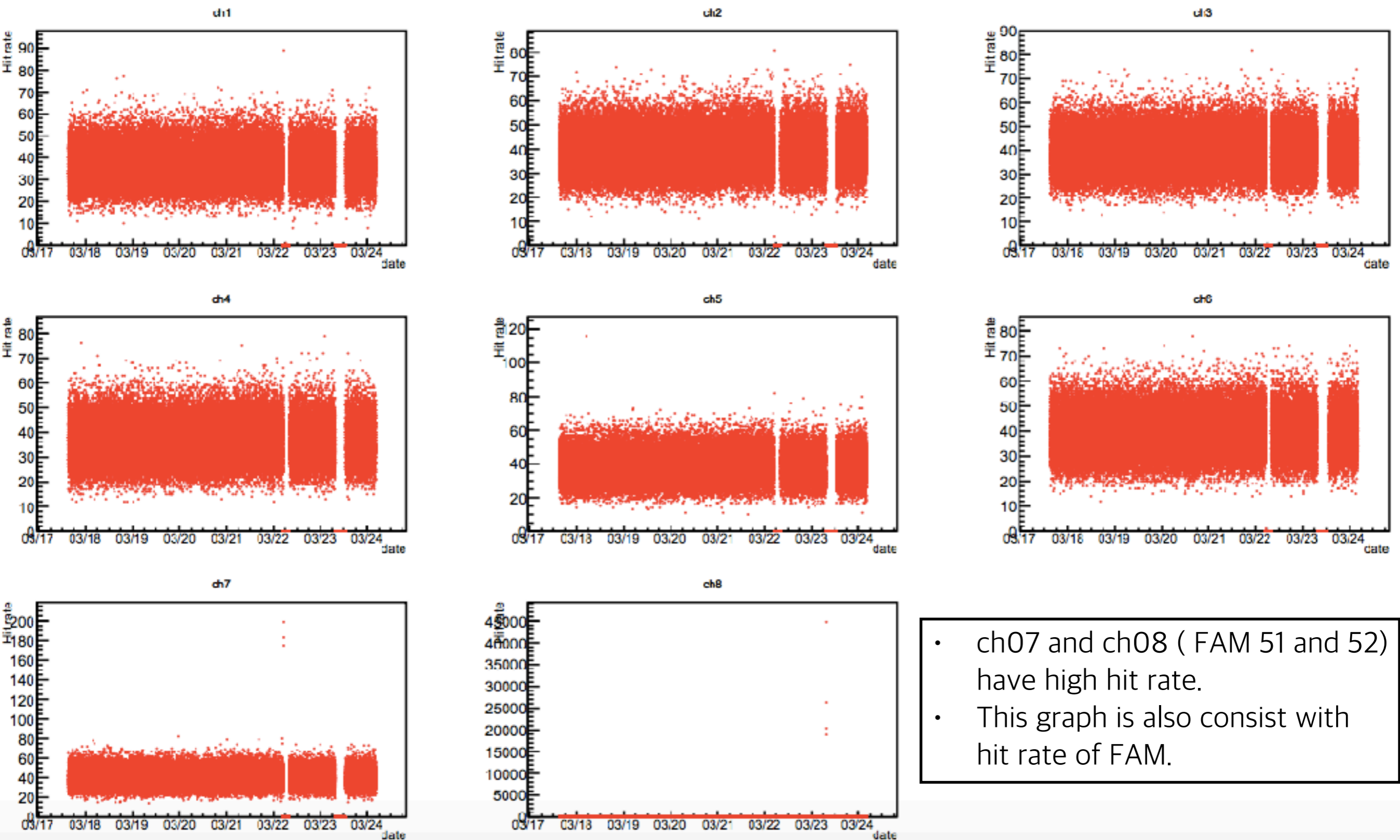
• All of channel have high hit rate on 03/23

Contents-Hit rate : TMM 5



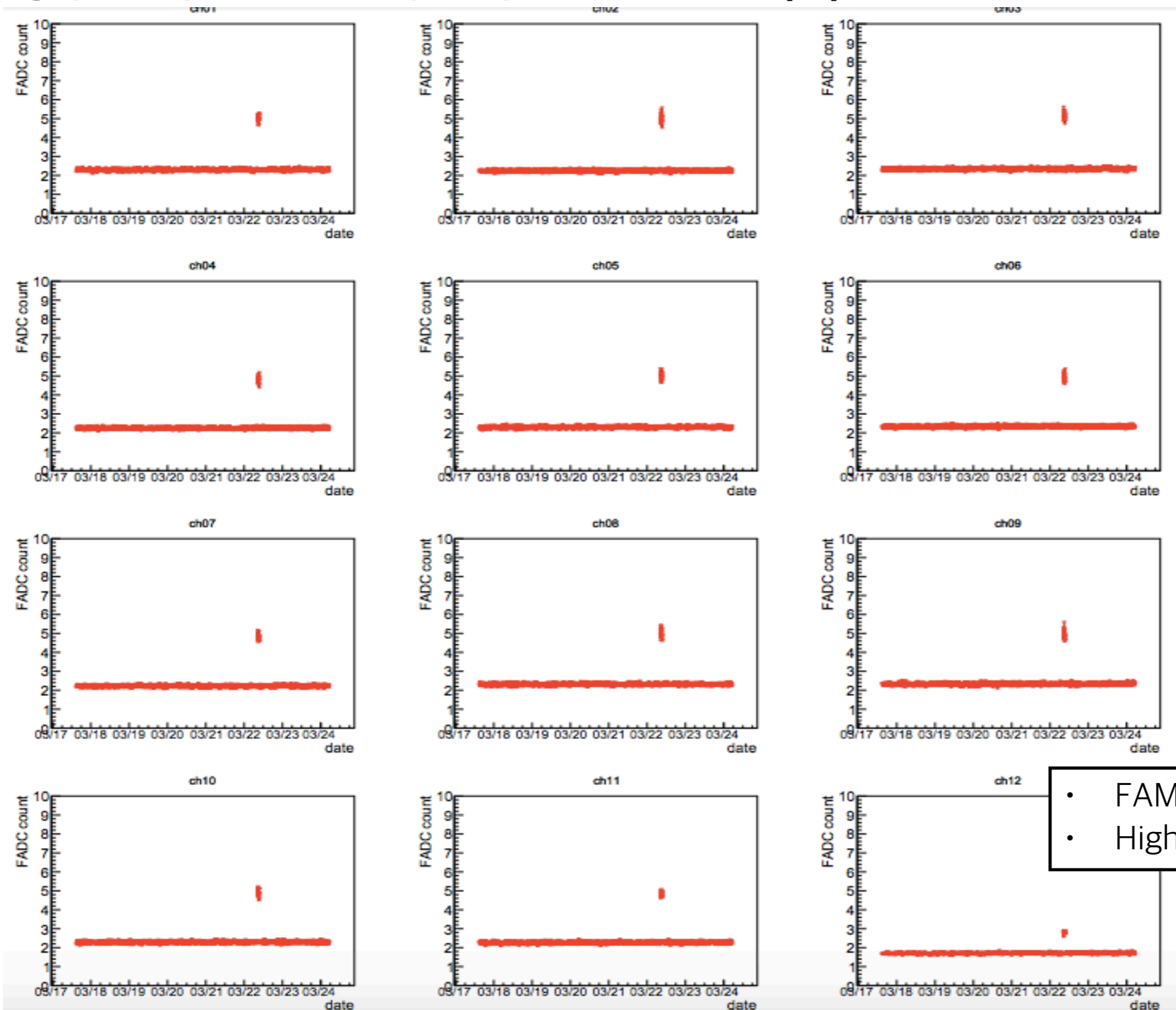
- TMM 2~6 have same behavior
- Those results are consist with hit rate of FAM.

Contents-Hit rate : TMM 7



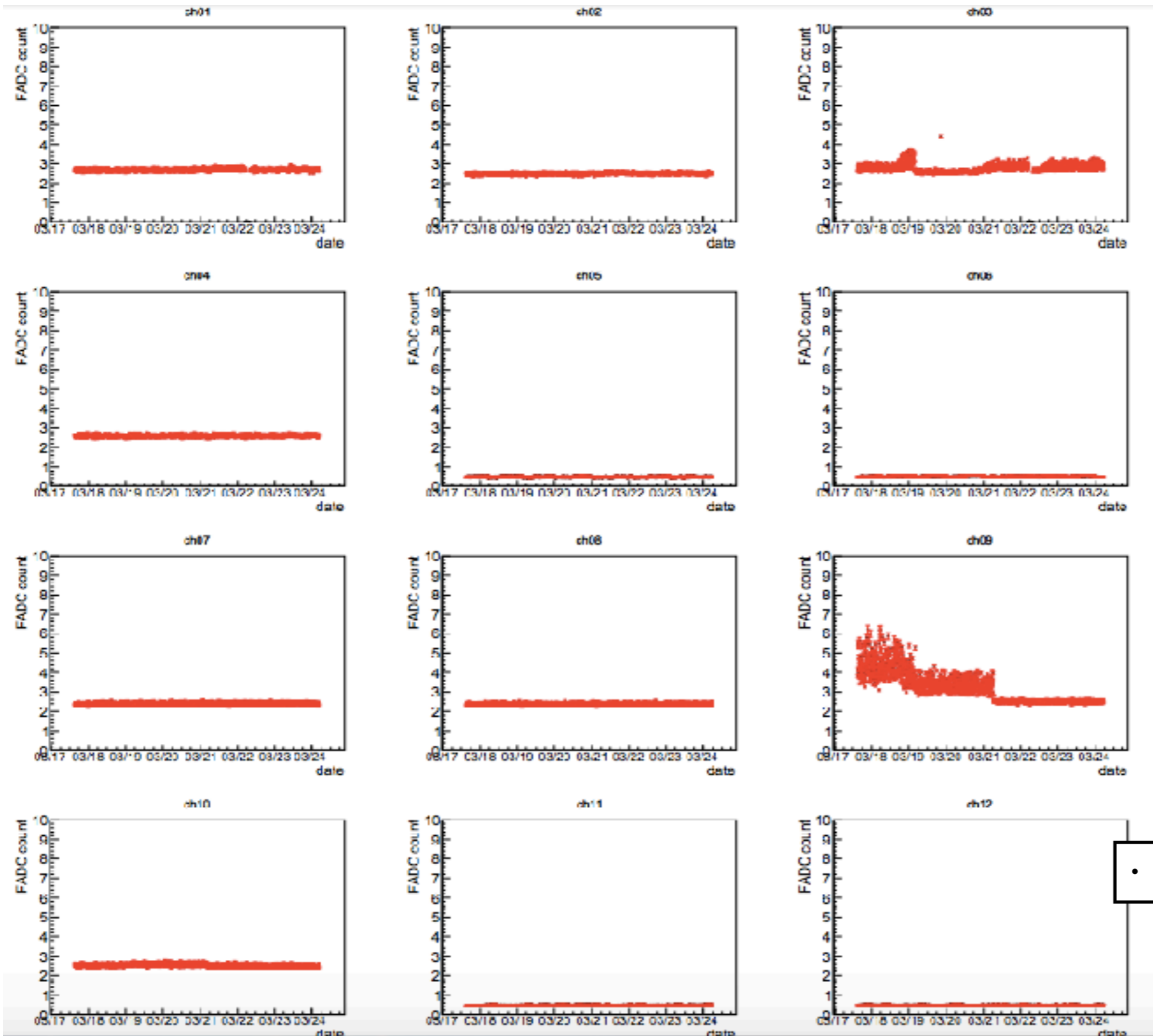
- ch07 and ch08 (FAM 51 and 52) have high hit rate.
- This graph is also consist with hit rate of FAM.

Contents-Noise : FAM 44



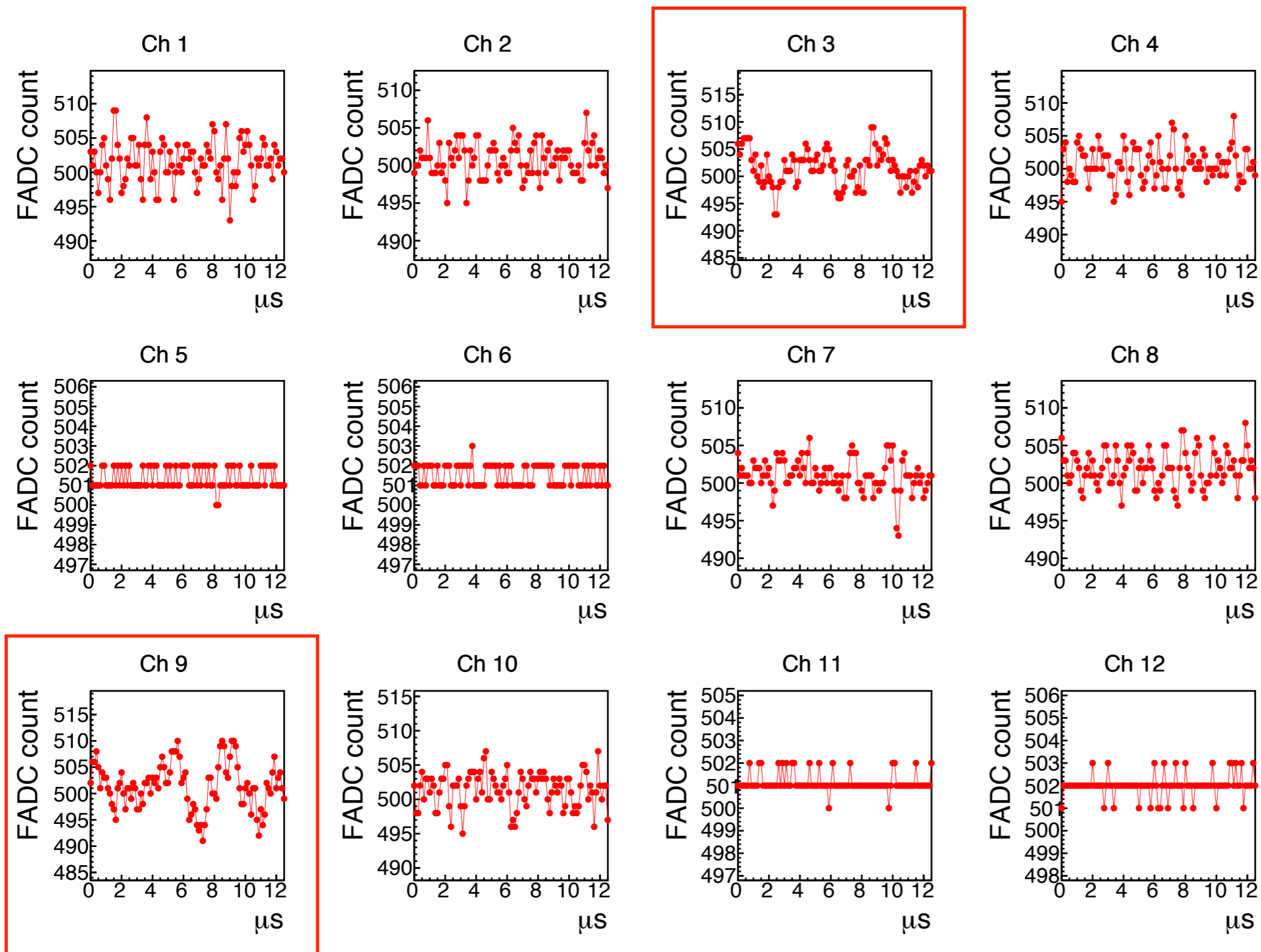
- FAM 09~44 have same behavior
- High noise levels on 03/22

Contents-Noise : FAM 45

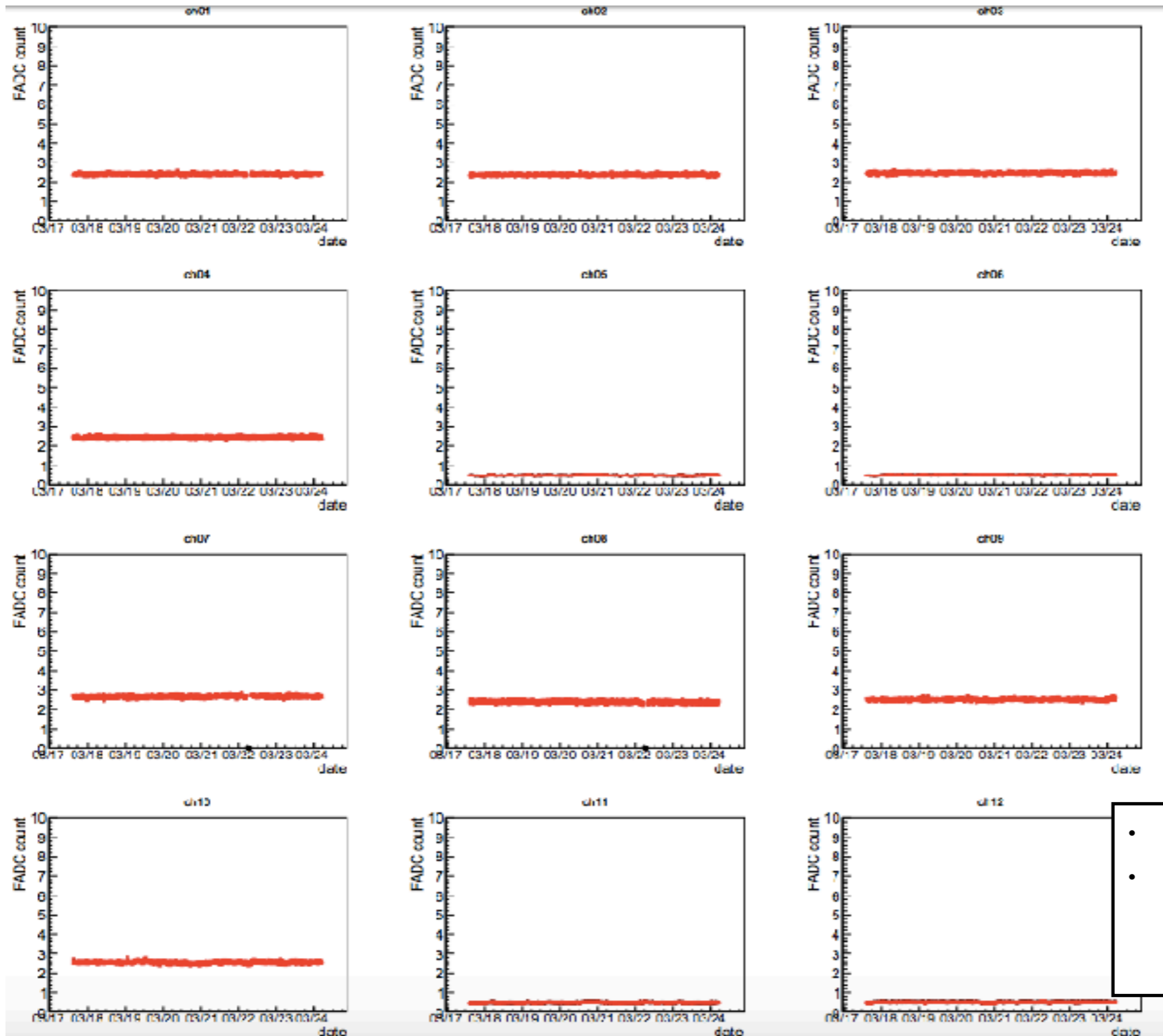


• Ch03 and 09 was very noisy

Contents-Noise : FAM 45 - FADC distribution



Contents-Noise : FAM 46



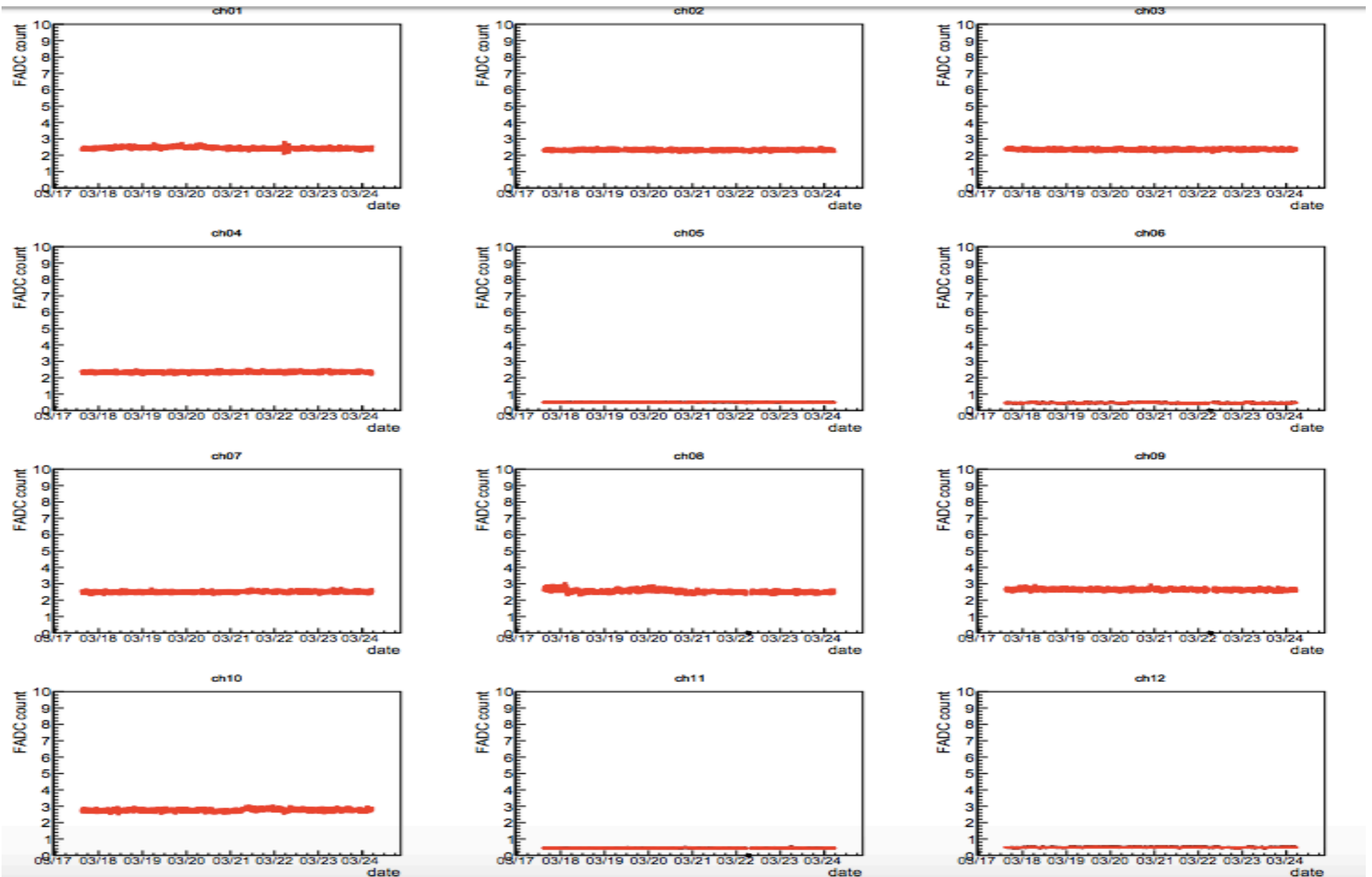
- FAM 46~52 look similar
- But there are some difference, so I attached all of them on “Back up”.

Plan

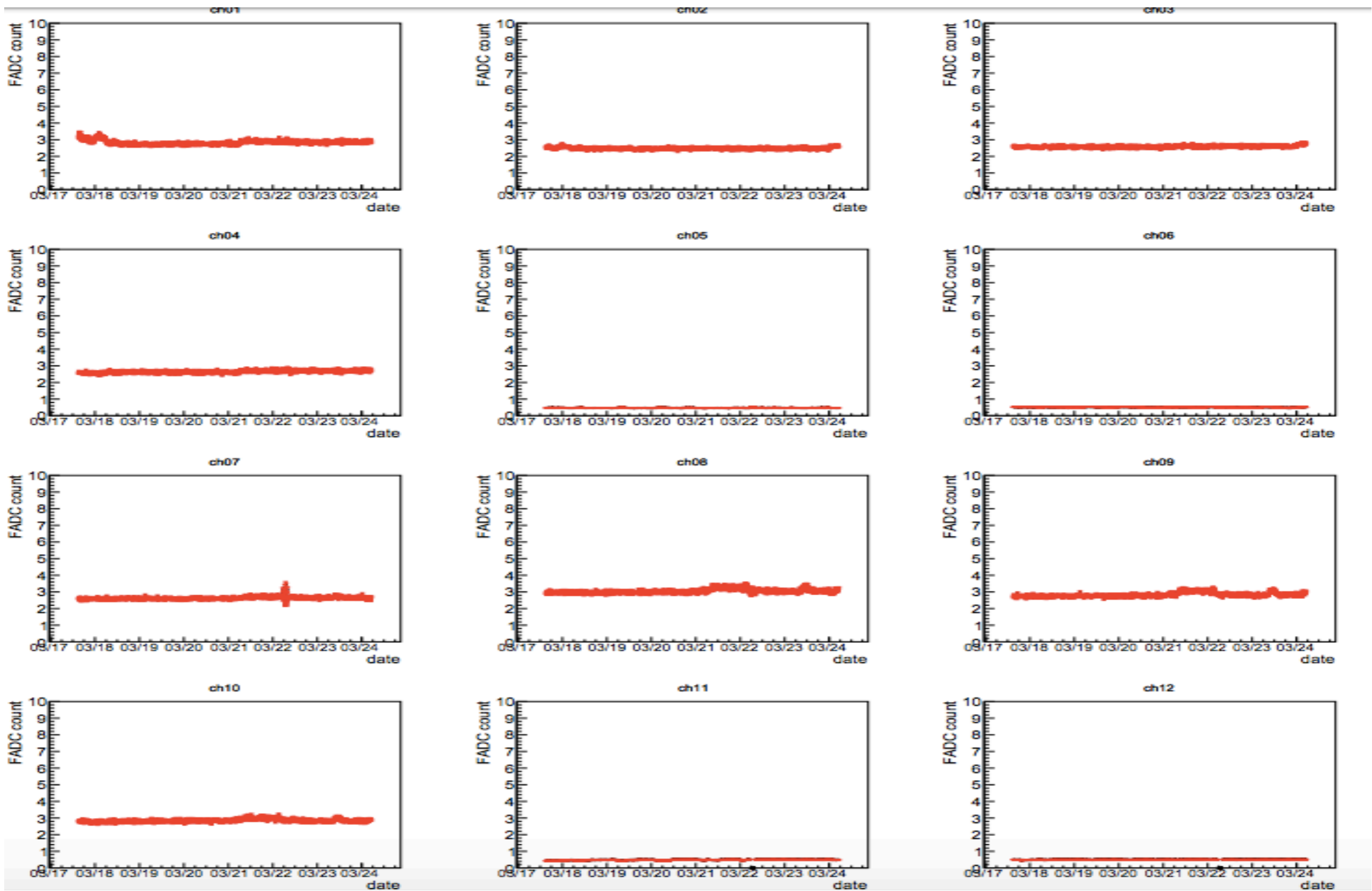
- I hope to add date grid
 - It's hard to distinguish date.(As I think)
- Test pulse calibration
 - There remain a little work. So program for calibration Xtal by Xtal will be prepared early of next week.

Backup

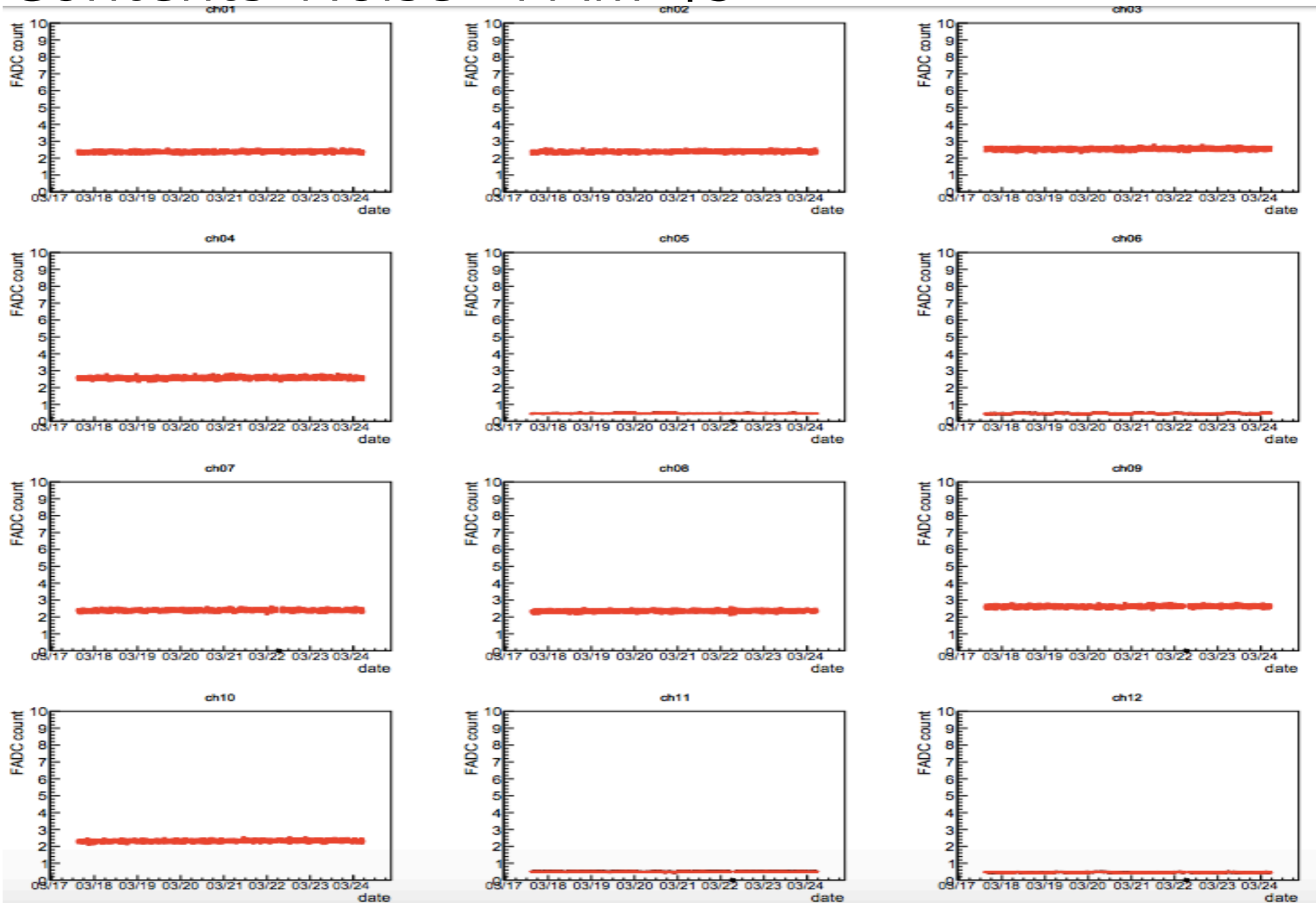
Contents-Noise : FAM 47



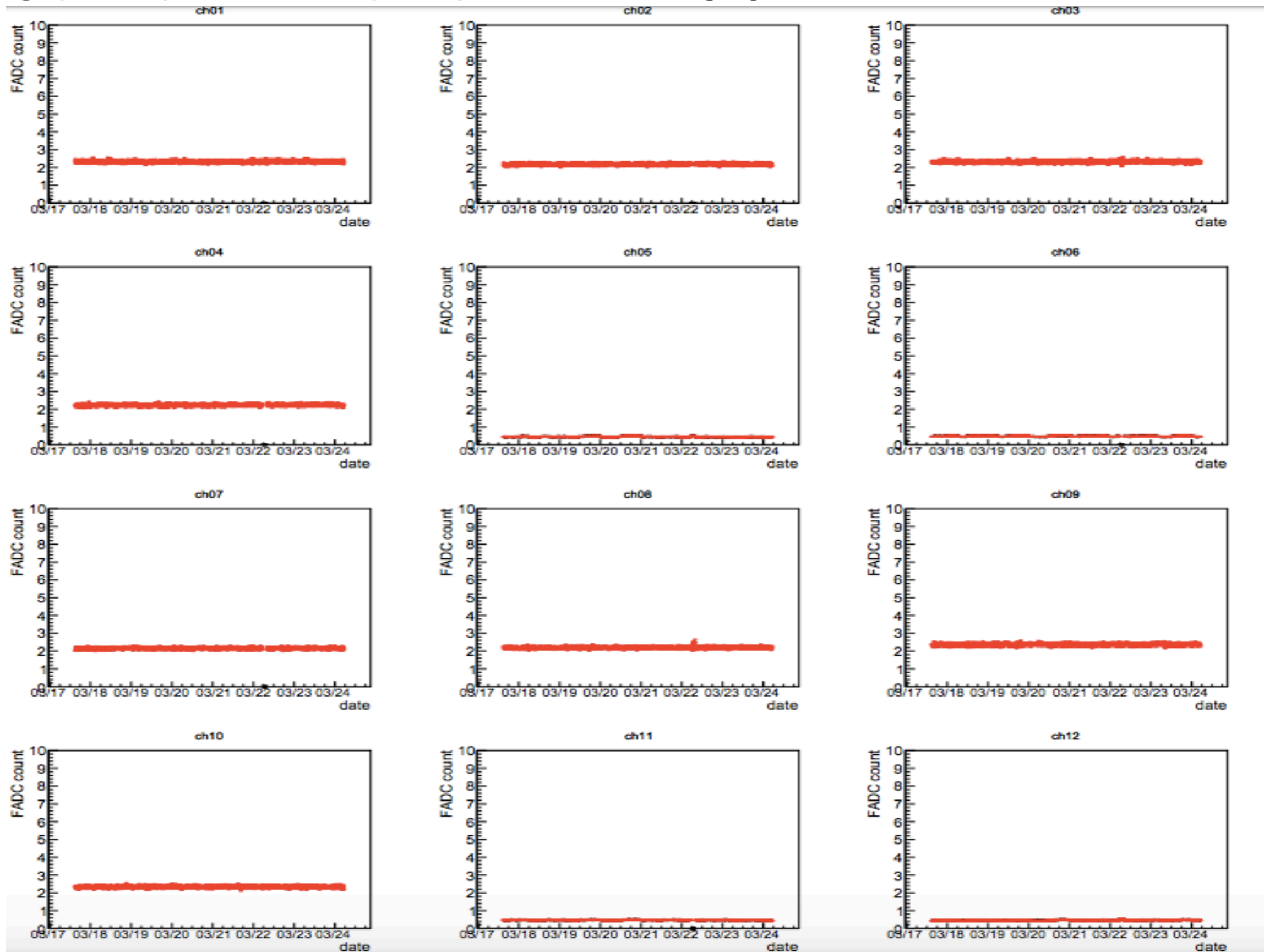
Contents-Noise : FAM 48



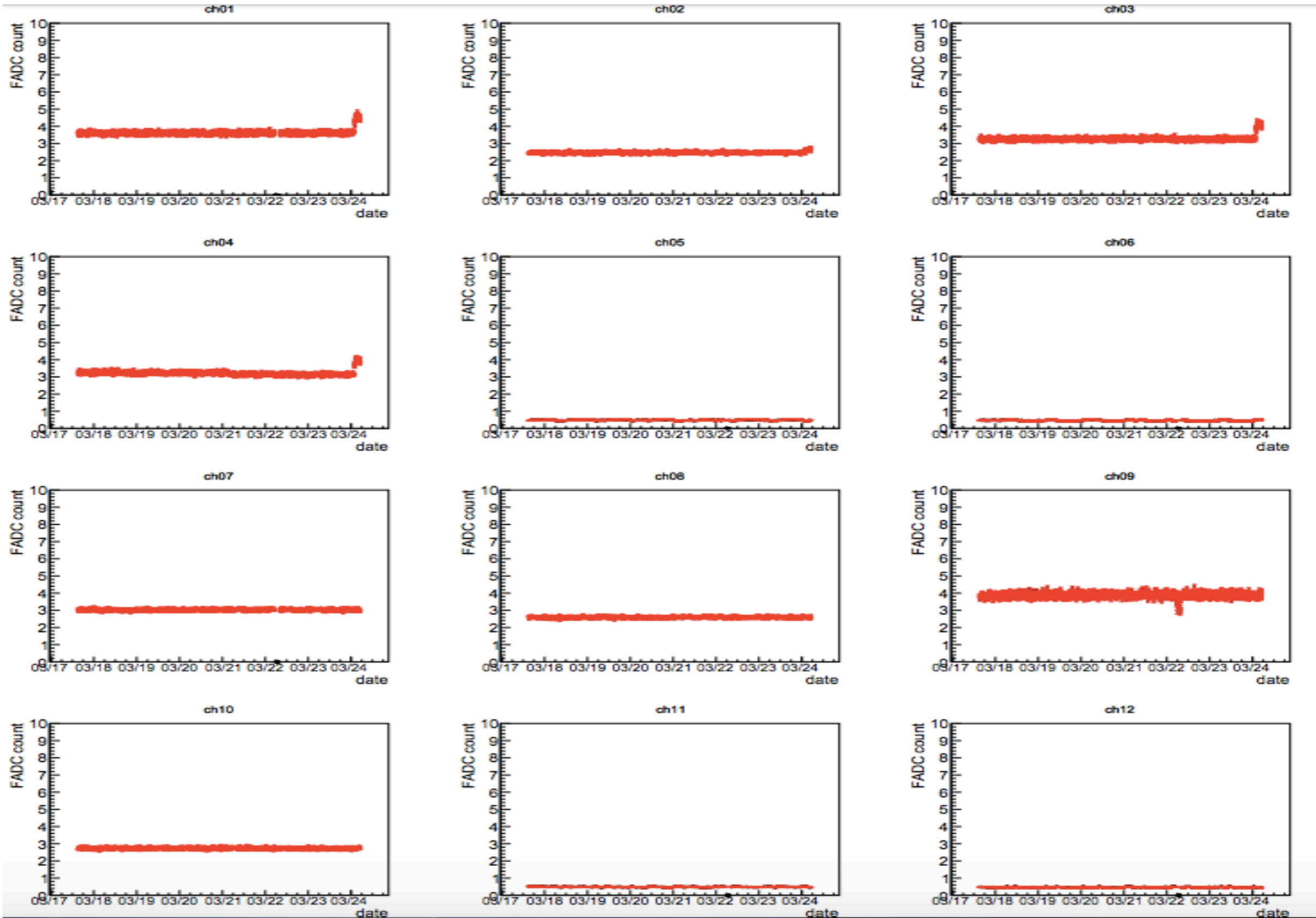
Contents-Noise : FAM 49



Contents-Noise : FAM 50



Contents-Noise : FAM 51



Contents-Noise : FAM 52

