NKFADC500 GUI

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NKFADC500 GUI

NKFADC500 PROTOTYPE

File   Help

| Setting | Online ADC Monitoring | Online TDC Monitoring |

Global Parameters

| Module#1 | Module#2 | Module#3 | Module#4 | Module#5 | Module#6 |

Number of Modules `0`

Recording Length `[        ▼]`

Pedestal Trigger Interval(ms) `0`

Trigger Type `[        ▼]`

Number of Events `0`

| Channel#1 | Channel#2 | Channel#3 | Channel#4 |

Run Number `0`

Set run number for exp.
Data file will be automatically
created with 4 digits run number
in file name.(e.g. test1000.dat)
After a run finishes, run number
automatically increases.

Coincidence Width(ns) `0`

ADC Threshold `0`

Trigger Delay(ns) `0`

TDC Threshold `0`

Trigger Coincidence Width(ns) `0`

Pulse Count Threshold `0`

Pulse Count Trigger `[        ▼]`

Pulse Count Interval(ns) `0`

Pulse Width Trigger `[        ▼]`

Pulse Width Threshold(ns) `0`

Peak Sum Trigger `[        ▼]`

Trigger Deadtime(ns) `0`

Peak Sum OR Trigger `[        ▼]`

Zero Suppression `[        ▼]`

Take Residual Data `[        ▼]`

If any residual data is available in
DRAM, take it after the end of
DAQ run.

Pulse Polarity `[        ▼]`

ADC Offset `0`

ADC Delay(ns) `0`

| SET SAME | TCB | RUN | STOP |

Peak Sum Width(ns) `0`

| PRINT ON | PRINT OFF |

ADC Mode `[        ▼]`

ON/OFF function for prints of
data information. If the status is
'off' state, only memory
information of DRAM will be
shown.

NKFADC500 GUI

NKFADC500 DECODER

File   Help

Setting | Online Monitoring | Analysis Monitor

Decoder

| DECODER | STOP |

Online Monitor

| ONLINE | PAUSE | RESUME | STOP |

Module#1 | Module#2 | Module#3 | Module#4 | Module#5 | Module#6

Channel#1 | Channel#2 | Channel#3 | Channel#4

Digital Filter	
ADC Mode	
TDC Mode	
Thereshold for Pulse	0
Thereshold for Digital Filter	0
Delay for CFD	0
Ratio for CFD	0
Length for Digital Filter	0
Gap for Digital Filter	0
Length for TFA	0

| SET SAME | START ANA | STOP ANA |

NKFADC500 GUI
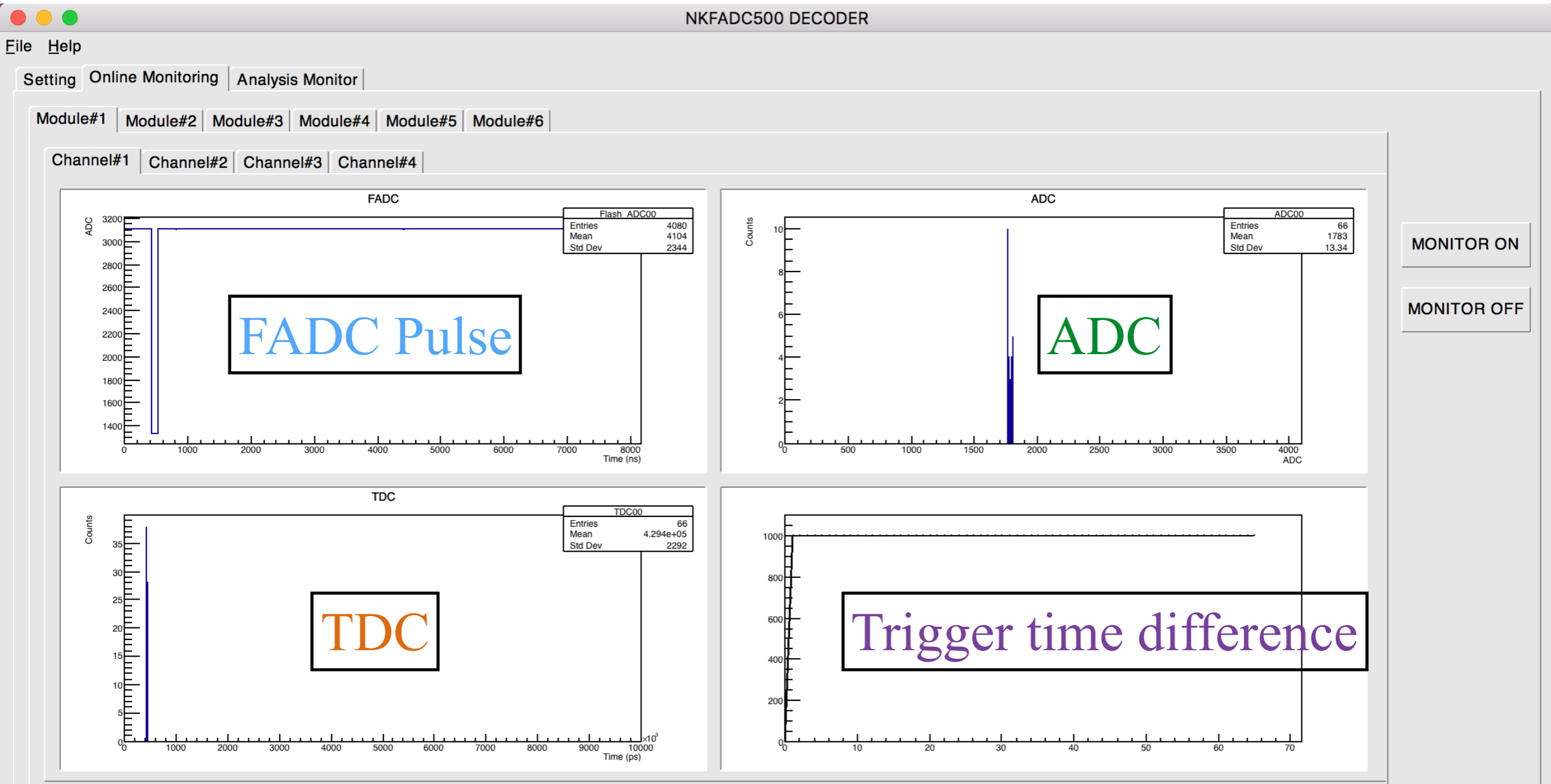
NKFADC500 GUI

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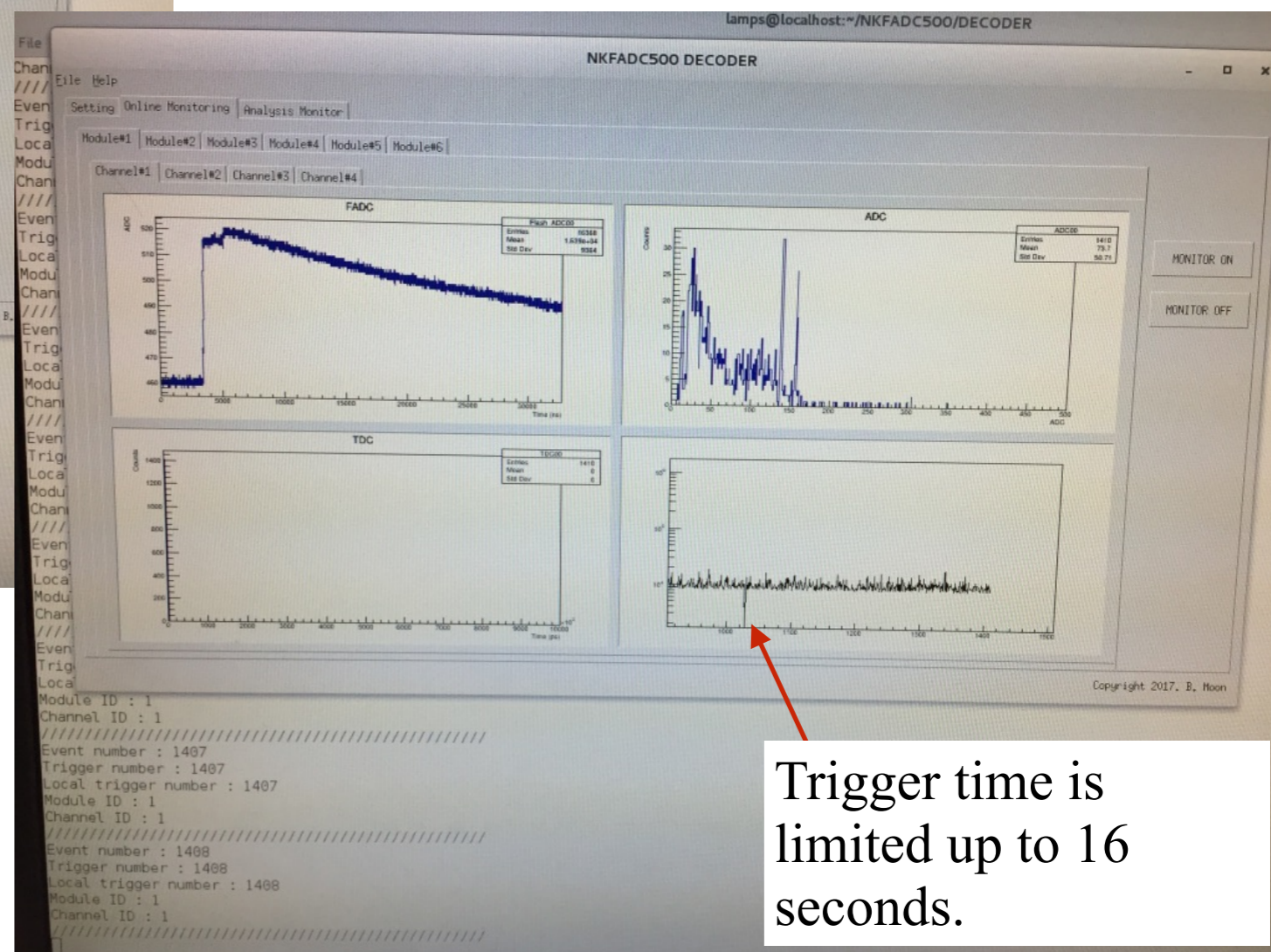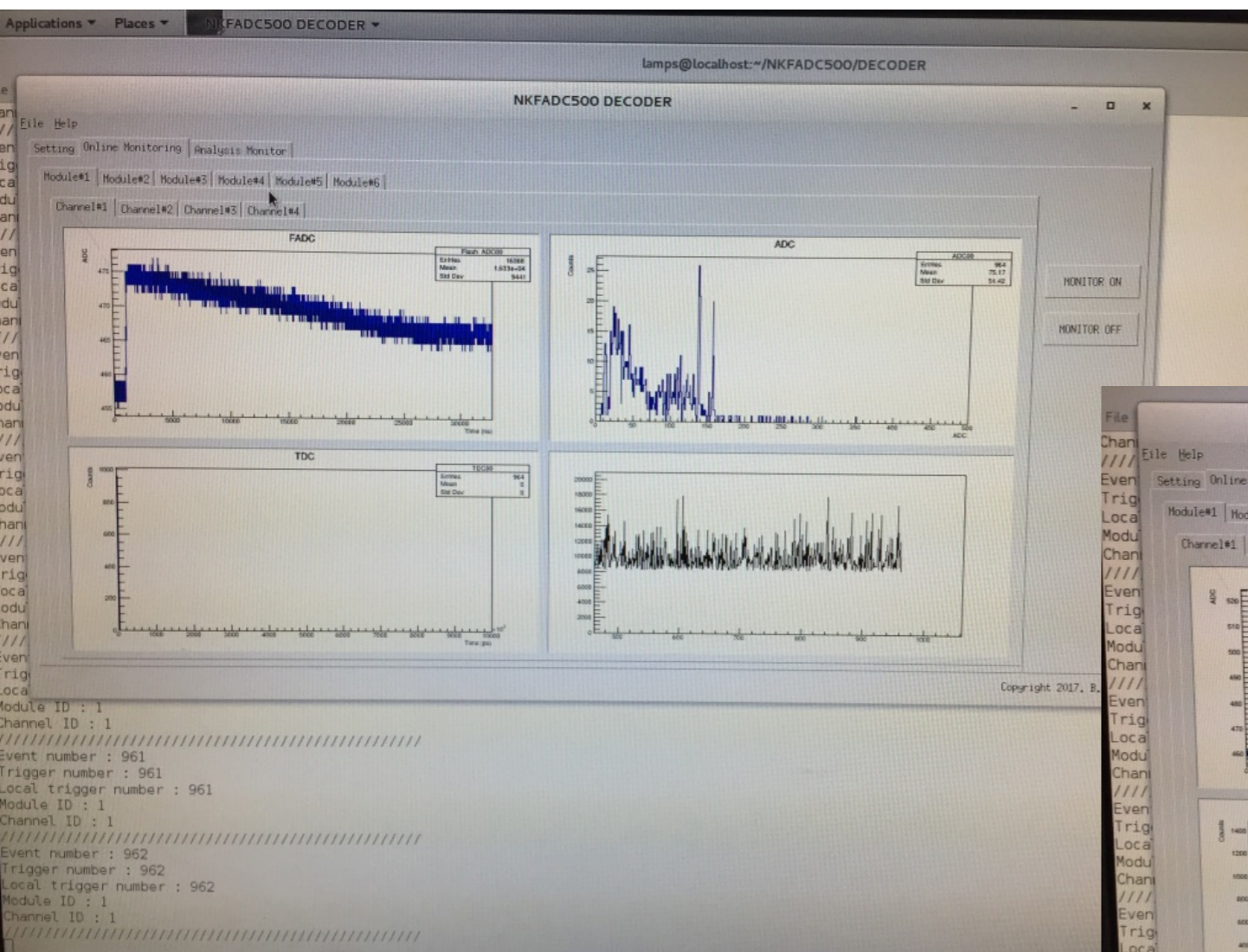
Trigger time is limited up to 16 seconds.

NKFADC500 GUI

NKFADC500	DAQ GUI	Local PC	ONLINE GUI

Setting DAQ

Set DAT file

Set TCB ← Start TCB

Start DAQ ← Run DAQ → Create DAT file

↓

Start Monitor

DRAM ← Check DRAM

32 kB / data set

Take data → Save data ← Access data

decode data

Draw data

Stop DAQ ← End run → Close file

Run number++
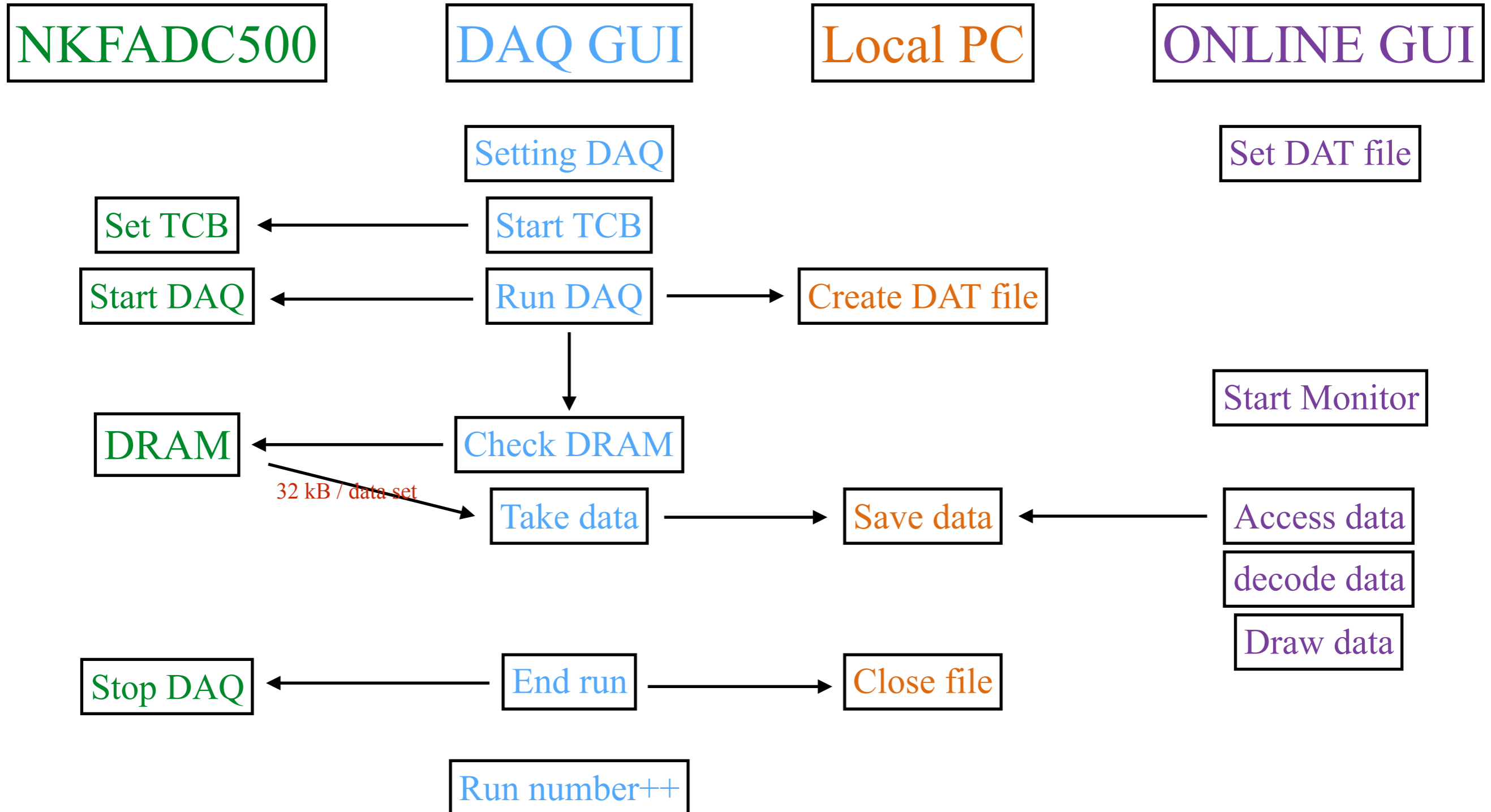
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Problems
1. Trigger rate for future experiments.
2. Global Time-stamp (e.g. Logic Unit for Programmable Operation(LUPO)).
3. Non-unified class files.