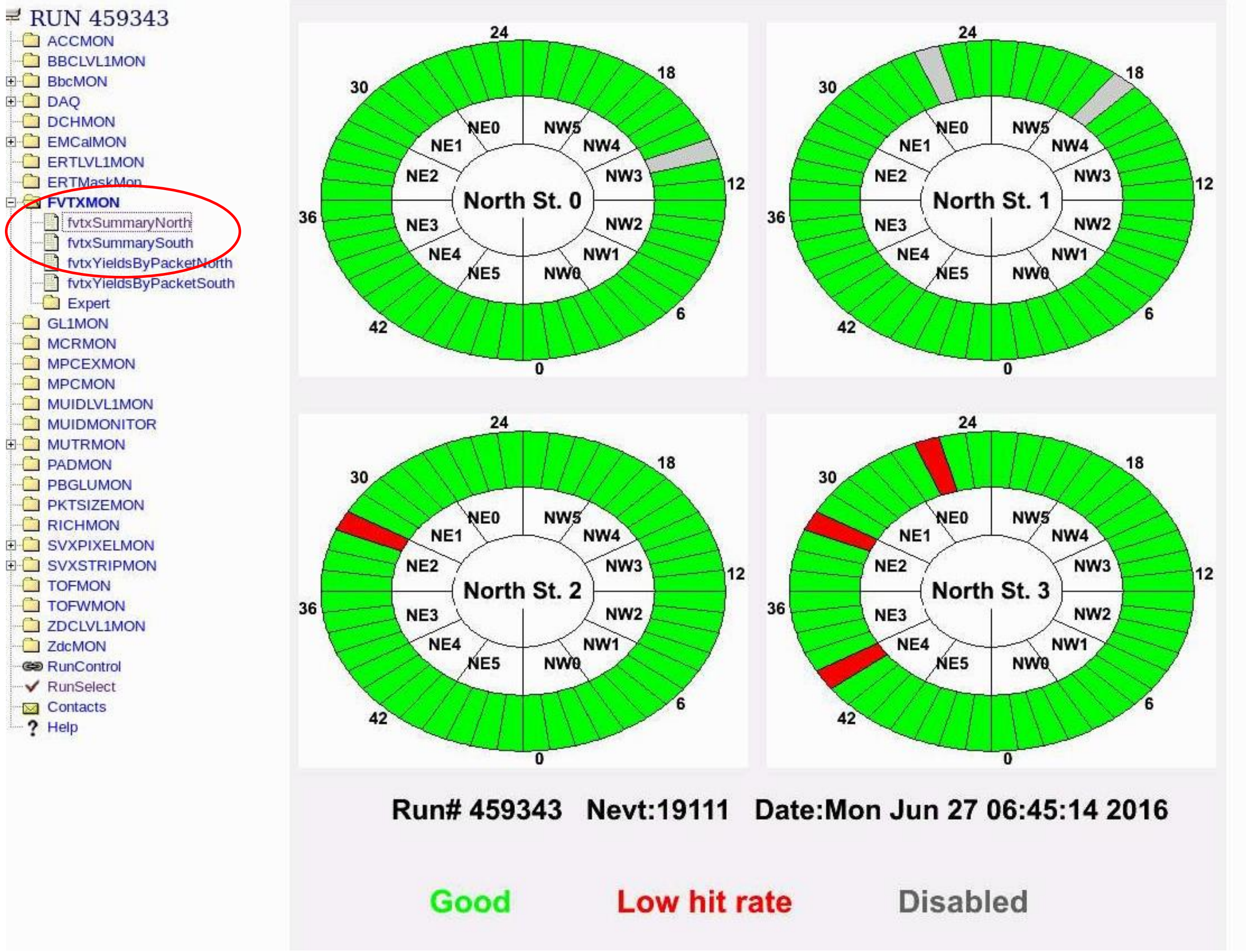
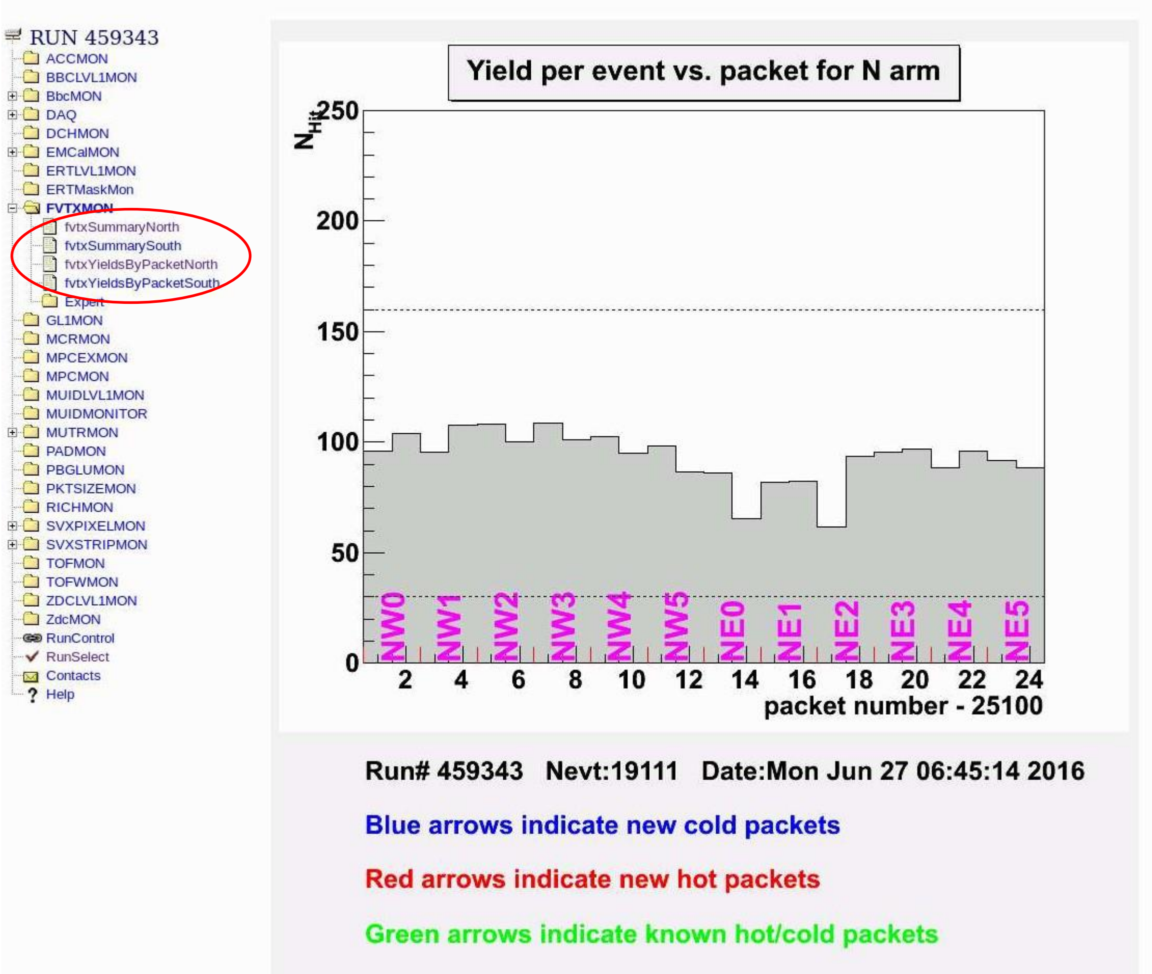
FVTX@PHENIX Online Monitoring – Shift crew





- Hit multiplicity per event for each ladder
  - **Condition**: **good**, **low**, **disabled**

- Hit multiplicity per event vs. packet ID
  - **Condition**: **hot** , **cold**, **known hot/cold**

Thanks Jing Huan for the inputs

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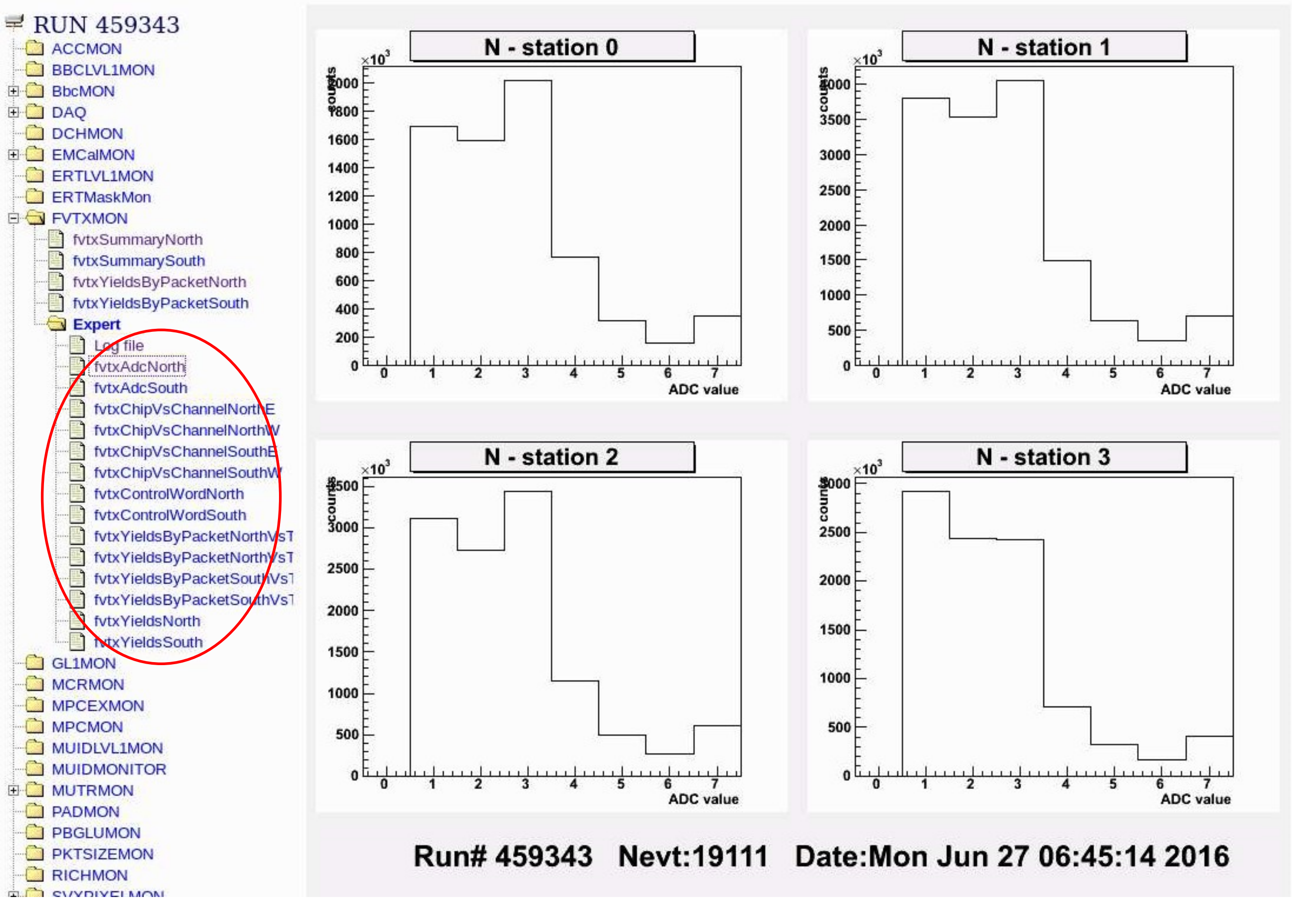

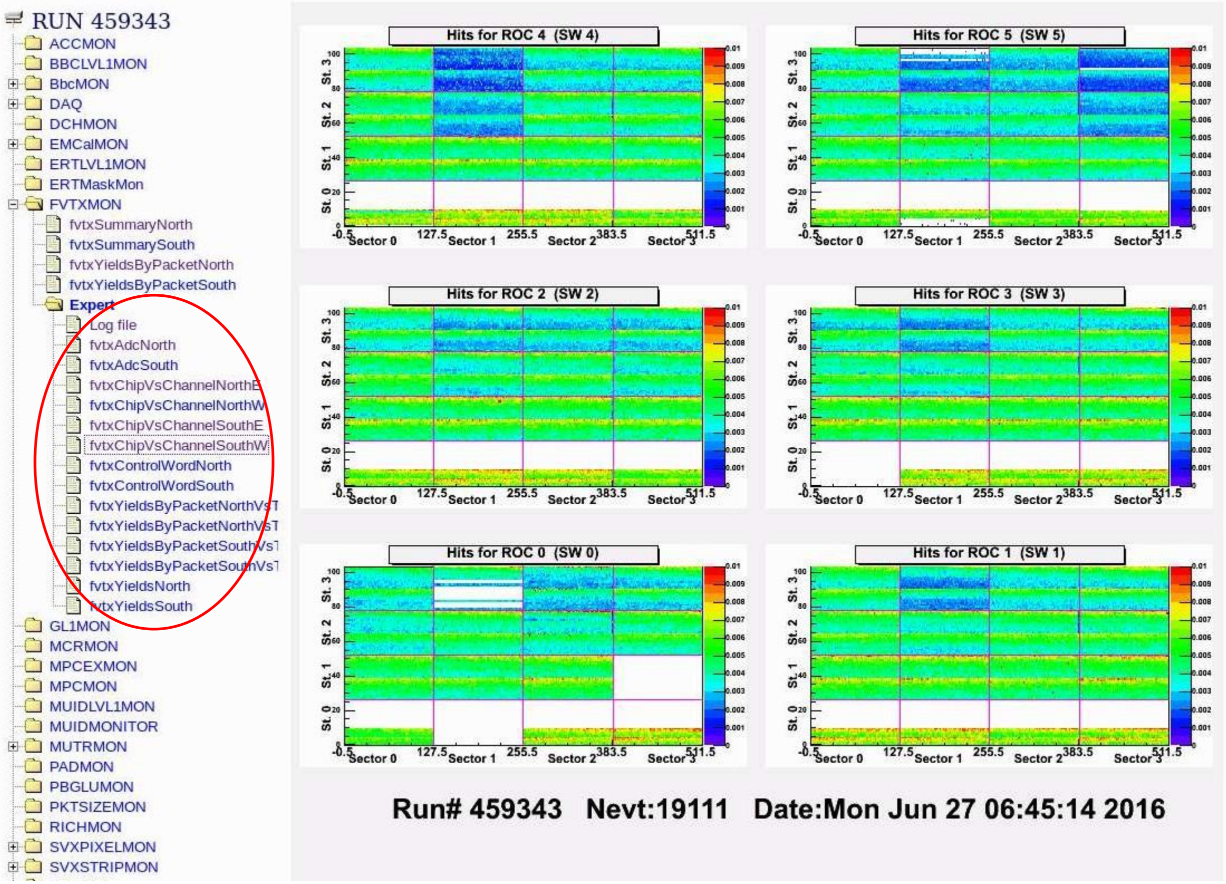

- ADC spectrum for each station
- Hit multiplicity for each channel

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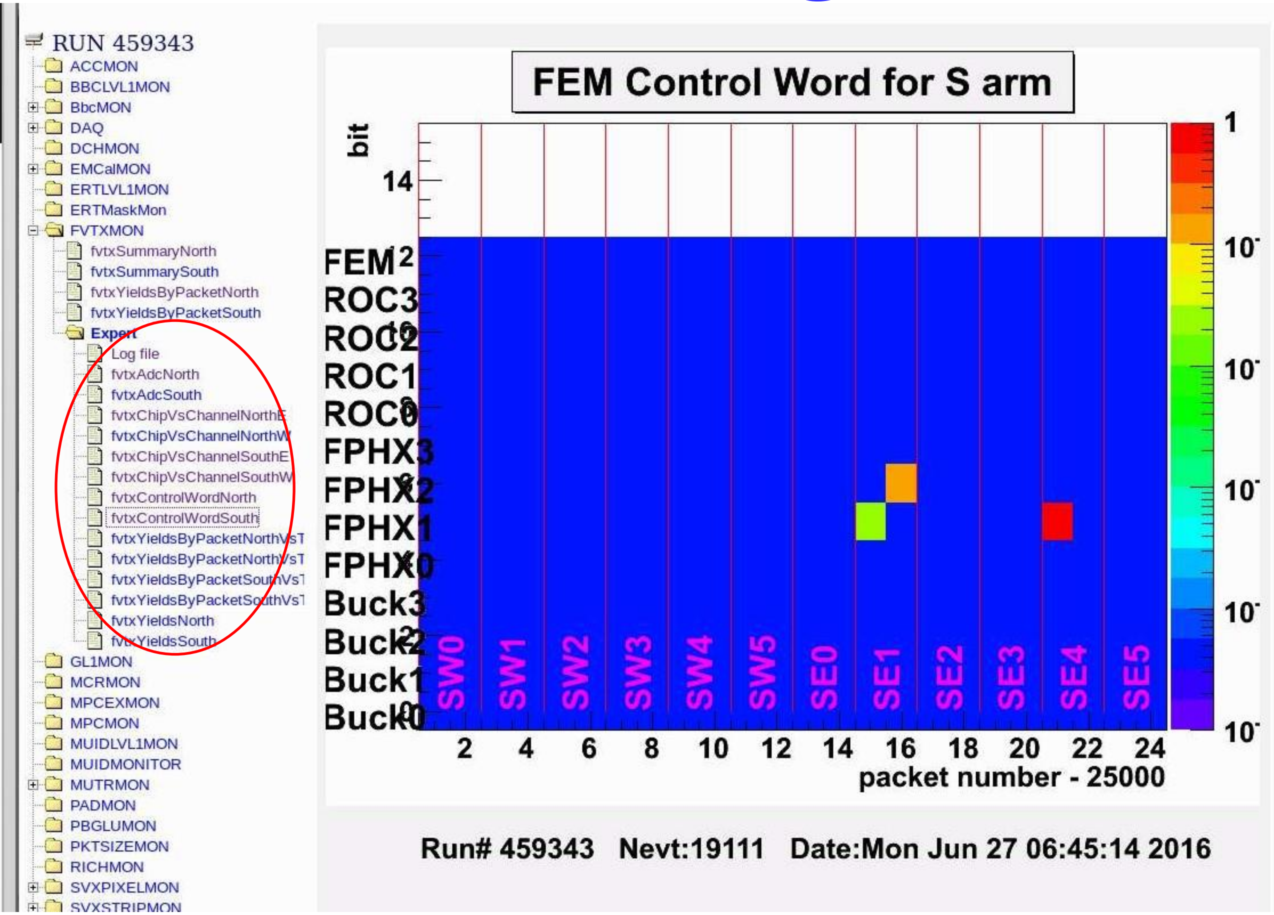

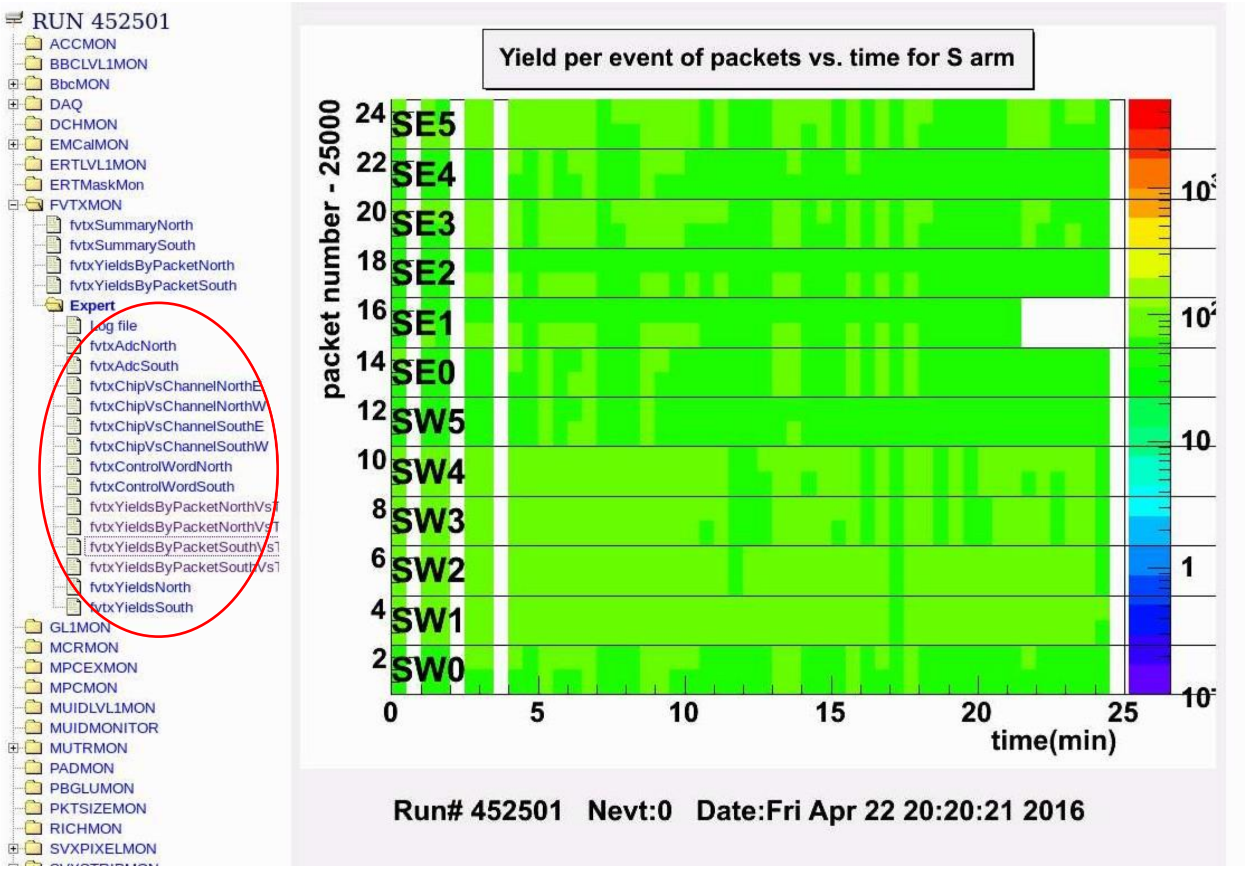

- DAQ errors (Z-axis) vs. packet ID

- Hit multiplicity per packets per event vs. time.
  - Whether the data stream is alive into the run. Used to debug specific problem of ROC board reboot itself

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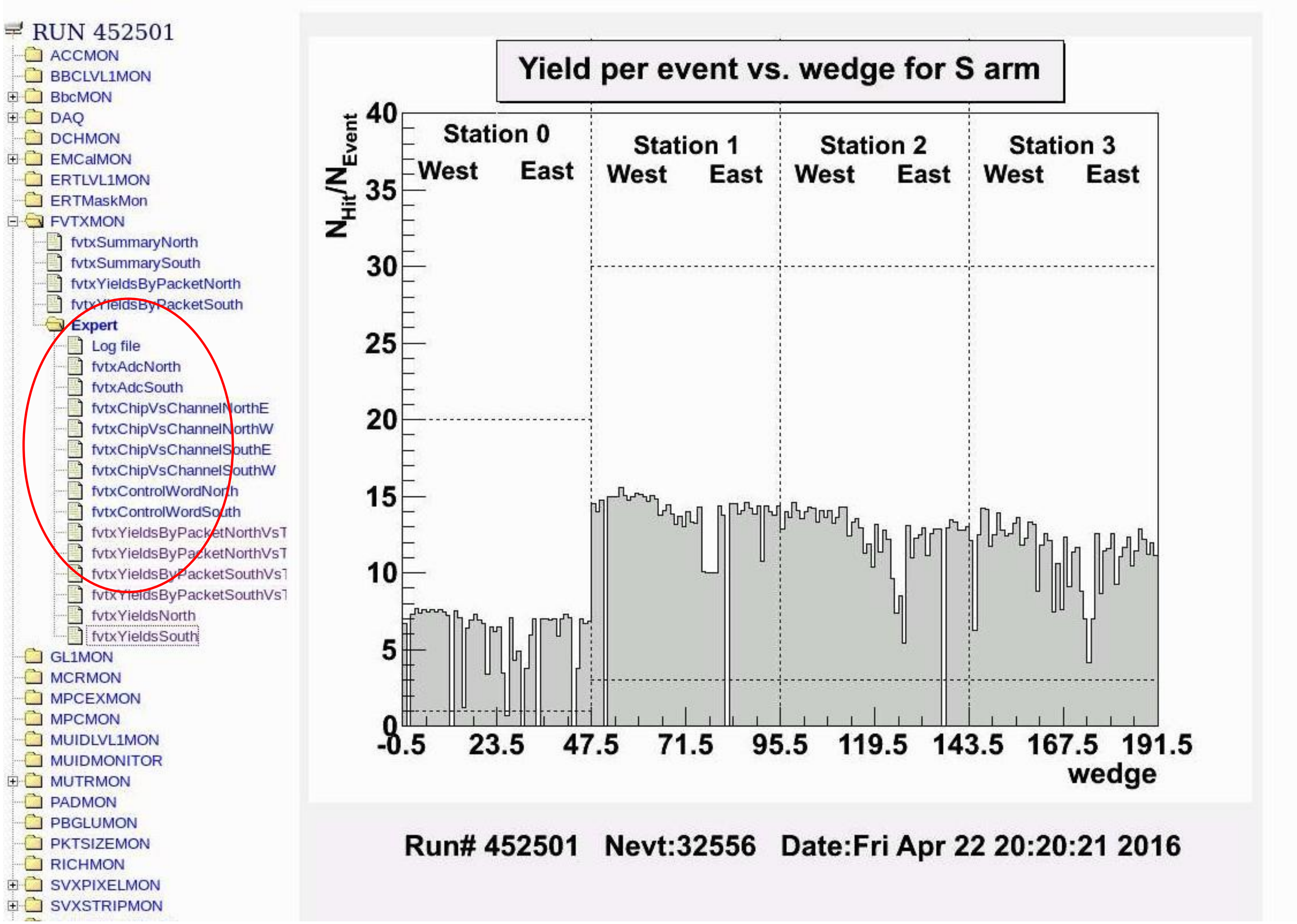

- Hit Multiplicity per event vs. Wedge
  - Used to produce the first shift crew plot.

Discussion on INTT Online Monitoring

Shift crew:

- Hit multiplicity per event for each **ladder** or **half ladder**, or **FPHX chip**?
  - Depends on tracking requirement for INTT, e.g. per ladder might not be sensitive enough for shift crew to take action.

- Hit multiplicity per event vs. packet ID

Expert:

- ADC spectrum for each **ladder** or **half ladder**, or **FPHX chip**?
  - Shall we define range of MIP peak?

- Hit multiplicity per event for each channel

- Hit multiplicity per packets per event vs. time.

- DAQ errors vs. packet ID