

# ProtoDUNE-SP DAQ support

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DUNE DAQ Coordination Team Meeting  
2019-07-08

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# Overview

Short status on PDSP DAQ support

- Operations
  - WIB issues
- Pending tickets (open long time ago)
- DAQ Development Period - July
- DAQ on-call shift

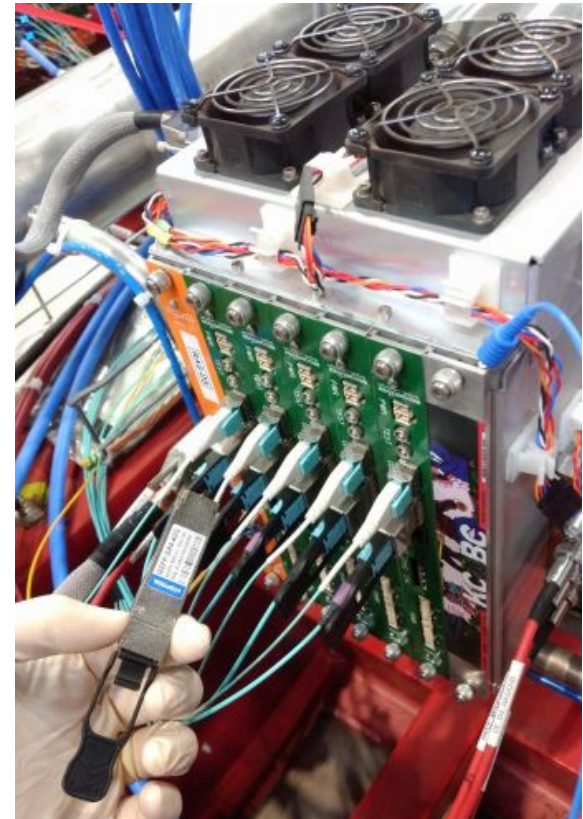
# Operations

- HV Streamers:
  - Auto recovery is on and have continued to took data with 7.5 ms readout window
- Solved the issue with missing data from FEMBs/rate problem on APA-1
- Taking cosmic runs
  - Run 8654: All CEs and SSPs included and they were active during the run

# WIB issues

Offline analysis reported missing data from the two FEMBs on APA-1

- Low fragment size on cob4\_rce02 (WIB3 on APA-1)
- Following the suggestions of Patrick, Matt, and Roland RCEs and WIBs have been checked
- Issue found to be the transceiver on APA-1, WIB3 and replacing it with a new one solved the problem
  - <https://pdspelog.web.cern.ch/elisa/display/12479>



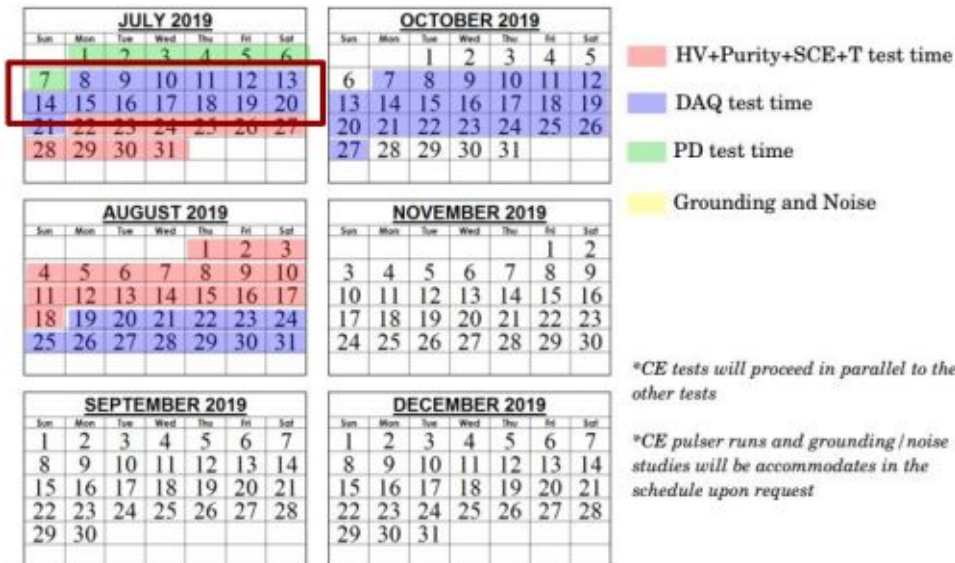
# Pending tickets (long time)

- SSP BoardReader - Empty Fragments
  - <https://its.cern.ch/jira/browse/NP04DAQ-37>
- Disable triggers from DCS
  - <https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-28>
- User friendly configuration tool
  - <https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-49>
- CTB BoardReader to respond to software trigger
  - <https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-10>
- Completion of OnHost FELIX BoardReader
  - <https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-14>

# DAQ Development Period

- July sprint:  
<https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-53>
- Backlog from May/June period
- Testing tickets will be reorganized:
  - Moved to July ticket or create a testing issue for the sprint
  - <https://its.cern.ch/jira/projects/NP04DAQ/issues/NP04DAQ-12>

## 2019 Calendar



# Planning of activities

We had a really nice summary of our plans during the last Dataflow WG meeting.

Please have a look!

<https://indico.fnal.gov/event/21169/>

Comments and suggestions are more than welcome!

# DAQ “on-call” shift

- Aid ProtoDUNE DAQ users in case of issues
  - Follow the np04-shifterassistant channel during the shift
- Summarize what happened on the given day
  - A wrap up of encountered issues and activities in the form of an Elog entry
- Report issues on JIRA
  - Better tracking
  - Proactive way for development  
(example on next slide)

To sign-up:

<https://docs.google.com/spreadsheets/d/18FFU0NWIfB2YN-nKrFjQ91I9g5L5Zh3N8hr7quZy4PU/edit?usp=sharing>



**End**

Thank you for your attention!