


## Shift Worker

Always refers to : [https://wiki.jlab.org/clas12-run/index.php/Run\\_Group\\_L#tab=Shift\\_Worker](https://wiki.jlab.org/clas12-run/index.php/Run_Group_L#tab=Shift_Worker)

### At the End of each run :

1. Upload the **strip charts** (Beam current, Beam X-Position, Beam Y-Position, Halo Counters, Livetime, Data and Event rate).
  - a. Right click on the strip chart
  - b. Make Elog Entry**
  - c. Change the title to **Strip charts**
  - d. Un-click ELOG, **click HLOG**
  - e. Submit
2. Upload the **clas12online** graphs.
  - a. Go to the left down corner
  - b. Click on the icon showing a **paper and a pencil**
  - c. Submit

### At the begin of each run :

1. Reset **mon12**, connect it to the ETring, wait to have enough statistics by doing the next stage )
2. Submit screenshots of the **Beamline overview** and the **Daq/Trigger overview** and the AHDC overview
  - a. In the CS-Studio tool, click on **Tools/Log Entry**
  - b. Take screenshot of the beamline overview and the Daq/Trigger overview (make sure that all trigger, from 0 to 31, appears in the screenshot)
3. Connect CED to the ETring
  - a. Go to File
  - b. Connect to ET ring
4. Reset **clas12online reconstruction**
  - a. Abort the previous programs (Ctrl+C) if necessary
    - i. `clas12online`
    - ii. `~/CAOS/bin/start_hipo_et.sh`
  - b. Run `~/CAOS/bin/start_hipo_et.sh`, wait until the second window pops-up and shows : average evio rate is ...
  - c. In a/the second terminal, run **clas12online**
5. When you have enough statistics, upload the mon12 histograms
  - a. Click on the button **Upload**, next to the Settings and Reset.
6. Compare the current mon12 histograms to the reference one and notice any change/issue to the shift expert.

### Routine :

1. Be aware of the latest log entries in the Hall B logbook (HBLOG, HBRUN, HBALERT...)

2. Be aware of ALARMS. Ask the shift expert before Acknowledge them.
3. Reset

**End of the shift :**

1. Fill the shift checklist
  - a. Ask questions to the shift expert if needed.
2. Reset and check mon12 histograms frequently, e.g each 1 h, during a run