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How to Monitor run data

The quasi-online Athena monitoring should be used by the shift crew after each run in H6. The DAQ will automatically make the "bytestream" file immediately after the run is finished.

To execute the monitoring:

1. Login to pcfc101 in the counting house as *h6run* , the password can be learned from the run coordinator or other shift crew

2. Type:

```
cd runmon  
source runmon.sh
```

you will be asked 2 questions:

- Enter run number to monitor:
enter previous run, or any other valid run number if you need to look at an old run
- Enter number of events to monitor:
enter a large number like 100000 to monitor all events

3. Wait for the job to finish. Currently, the analysis is rather fast. More time is spent for saving the histogram file! (a bug will be fixed soon)

4. Look at the plots and print a run summary. Type:

```
cd rootdir  
root lastrun.root
```

and click on the buttons to look at plots. One of the buttons you click on should be "*Print summary H6*" (which should print a run summary onto the printer in the H6 hut). Please put this into a binder.

5. Now repeat after the next run(s):

```
cd ..  
source runmon.sh
```