# 40m summary pages workflow

## Cluster machines

- Runs the data processing jobs and generates the plots, saves to appropriate directory on the network filesystem.

## ldas-pcdev1

**Submit node**

- Creates condor jobs for submission to cluster (process frame data, generate the plots and HTML pages), using the native condor cron architecture:
  - Plots for today (UTC) are submitted to the cluster every 30 minutes [**`gw_daily_summary_40m`**].
  - To account for latency between current time and 40m frame data becoming available on LDAS, a "rerun" job with yesterday's date (UTC) is run 0230 UTC every day as well, to fill in the "gap" in data that is sometimes seen on the summary pages [**`gw_daily_summary_40m_rerun`**].
- Runs periodic cron jobs for:
  - Syncing generated pages to nodus for hosting to the public web and replacing some hard coded paths in the generated HTML pages [**`pushnodus`**]. Data archive files are excluded.
  - Checks the status of the submit jobs and writes to a "status.html" page [**`checkstatus`**].
  - Cleaning up log files older than 1 week and data archive files older than 2

## Nodus

- Hosts the config files that are pulled to ldas-pcdev1 before submission of jobs to the cluster. So the user should make changes to config files on nodus and *not* on ldas-pcdev1.
- Hosts generated HTML pages to the public-facing internet