LOFAR Docker Images

We offer the LOFAR software as Docker images, allowing anyone to run our software using the same configuration, without having to build it. Our images can be browsed at https://hub.docker.com/r/lofar/.

LOFAR Pipeline Software

To run the lofar pipeline software, you need to:

- Install and configure Docker on your computer (Mac/Linux/Windows)
- Run `docker run -it –rm -u $UID -e USER -e HOME -v $HOME:$HOME lofar/lofar-pipeline:LOFAR-Release-2_19` to download and run the LOFAR pipeline software version 2.19. To list all available versions, go to https://hub.docker.com/r/lofar/lofar-pipeline/tags/.
- You now have the LOFAR software available at your finger tips, and your home directory available. You can run for example:

```
you@3617438dfc63:/$ NDPPP
Usage: DPPP [-v] [parsetfile] [parsetkeys...]
  parsetfile: a file containing one parset key=value pair per line
  parsetkeys: any number of parset key=value pairs, e.g. msin=my.MS
```

or

```
you@3617438dfc63:/$ /opt/aoflagger/bin/aoflagger
AOFlagger 2.8.0 (2016-06-21) command line application
This program will execute an RFI strategy as can be created with the
RFI gui
and executes it on one or several observations.

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Usage: ./aoflagger [options] <obs1> [<obs2> [..]]
...
```

Once you have the above up and running, you will need some data to work on, and likely a parset with configuration settings. If you've put both in your home directory, they're immediately available when running the above command. If not, you can use additional ''-v'' parameters to make more directories available in your Docker container.

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