Innovation Lab Application Test – Nepac Data Retriever

## Command to run within the container.

*These instructions include sample commands. Tailor them to your environment.*

* 1. git clone the core and nepac repositories
  2. ssh dsg1xx
  3. mkdir (*and/or cd*) path/to/desired\_directory
  4. mkdir (and/or cd) path/to/desired\_directory/output\_directory
  5. singularity shell -B /att /att/nobackup/iluser/containers/ilab-nepac-2.0.0.sif
  6. export PYTHONPATH=`pwd`:`pwd`/core`pwd`/nepac
  7. python nepac/view/NepacCommandLineView.py -f nepac/model/tests/nepacInputOne.csv -md\_file nepac/model/tests/nepacTestSampleInputOne.txt -o ‘./output\_directory’ --celery

## Command to invoke container and run application.

* 1. time singularity run -B /att /att/nobackup/iluser/containers/ilab-nepac-2.0.0.sif python nepac/view/NepacCommandLineView.py -f nepac/model/tests/nepacInputOne.csv -md\_file nepac/model/tests/nepacTestSampleInputOne.txt
  2. time singularity run -B /att /att/nobackup/iluser/containers/ilab-nepac-2.0.0.sif python nepac/view/NepacCommandLineView.py -f nepac/model/tests/nepacInputOne.csv -md\_file nepac/model/tests/nepacTestSampleInputOne.txt --celery

## Expected Results

* 1. There will be a lot of terminal output.
  2. In the output directory, you will find a CSV which should show rows with columns such as time, date, location, chl-a, as well as many more datapoints corresponding to the template ‘Mission-Subdataset’ e.g. ‘MODIS-Aqua-Rrs\_531’