Innovation Lab Application Test - EVHR

## Command to run within the container.

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

* 1. Clone the evhr repository to a directory.
  2. Create an output directory.
  3. ssh ilab2xx
  4. singularity shell -B /explore/nobackup/people,/explore/nobackup/projects,/css,/nfs4m,/tmp, /path/to/today's/evhr/container.sif
  5. cd /path/to/parent/of/evhr
  6. export PYTHONPATH=`pwd`:`pwd`/evhr:$PYTHONPATH
  7. evhr/view/evhrToaCLV.py -o /explore/nobackup/people/rlgill/SystemTesting/testEVHR --scenes /css/nga/WV03/1B/2015/219/WV03\_104001000F2D9E00\_X1BS\_500495393030\_01/WV03\_20150807213524\_104001000F2D9E00\_15AUG07213524-M1BS-500495393030\_01\_P001.ntf
  8. evhr/view/evhrToaCLV.py -o /explore/nobackup/people/rlgill/SystemTesting/testEVHR --scenes /css/nga/WV03/1B/2015/219/WV03\_104001000F2D9E00\_X1BS\_500495393030\_01/WV03\_20150807213524\_104001000F2D9E00\_15AUG07213524-M1BS-500495393030\_01\_P001.ntf /css/nga/WV02/1B/2020/230/WV02\_10300100AB5D9200\_M1BS\_504712939060\_01/WV02\_20200817211756\_10300100AB5D9200\_20AUG17211756-M1BS-504712939060\_01\_P001.ntf --celery
  9. evhr/view/evhrToaCLV.py -e -148 65 -147.5 64.5 4326 -o /explore/nobackup/people/rlgill/SystemTesting/testEVHR/ --pan\_res 0.5 --celery

## Command to invoke container and run application.

* 1. So far, this is unneeded.

## Expected Results

* 1. There will be a lot of terminal output.
  2. In your output directory, you will see 5 subdirectories: 1-bands, 2-strips, 3-dems, 4-orthos, 5-toas. These will fill with files as EVHR runs. The main output is the set of files in 5-toas.
  3. 1-bands contains TIF image files and their XML counterparts.
  4. 2-strips contains TIF band files and their XML and IMD counterparts.
  5. 3-dems contains files named dem-\*.tif.
  6. 4-orthos contains files named \*-ortho.tif and their XML counterparts.
  7. 5-toas contains files named \*-toa.tif and their XML counterparts.