Innovation Lab Application Test - EVHR

## Command to run within the container.

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

* 1. Clone the core and evhr repositories to a directory.
  2. Create an output directory.
  3. ssh ilab1xx
  4. singularity shell -B /att,/css,/nfs4m,/tmp /att/nobackup/iluser/containers/evhr.sif
  5. cd /att/nobackup/rlgill/innovation-lab-repositories/
  6. export PYTHONPATH=`pwd`:`pwd`/core:`pwd`/evhr
  7. evhr/view/evhrToaCLV.py -e -148 65 -147.5 64.5 4326 -o /adapt/nobackup/people/rlgill/SystemTesting/testEVHR/ --pan\_res 0.5
  8. Also run evhr/view/evhrToaCLV.py -o /adapt/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
  9. Also run evhr/view/evhrToaCLV.py -o /adapt/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/WV03/1B/2015/219/WV03\_104001000F2D9E00\_X1BS\_500495393030\_01/WV03\_20150807213525\_104001000F2D9E00\_15AUG07213525-M1BS-500495393030\_01\_P002.ntf /css/nga/WV02/1B/2014/220/WV02\_1030010035034E00\_X1BS\_500138791160\_01/WV02\_20140808212142\_1030010035034E00\_14AUG08212142-M1BS-500138791160\_01\_P001.ntf /css/nga/WV02/1B/2012/226/WV02\_103001001B775200\_X1BS\_052903554020\_01/WV02\_20120813213619\_103001001B775200\_12AUG13213619-M1BS-052903554020\_01\_P002.ntf /css/nga/WV02/1B/2012/226/WV02\_103001001B775200\_X1BS\_052903554020\_01/WV02\_20120813213618\_103001001B775200\_12AUG13213618-M1BS-052903554020\_01\_P001.ntf

## 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.