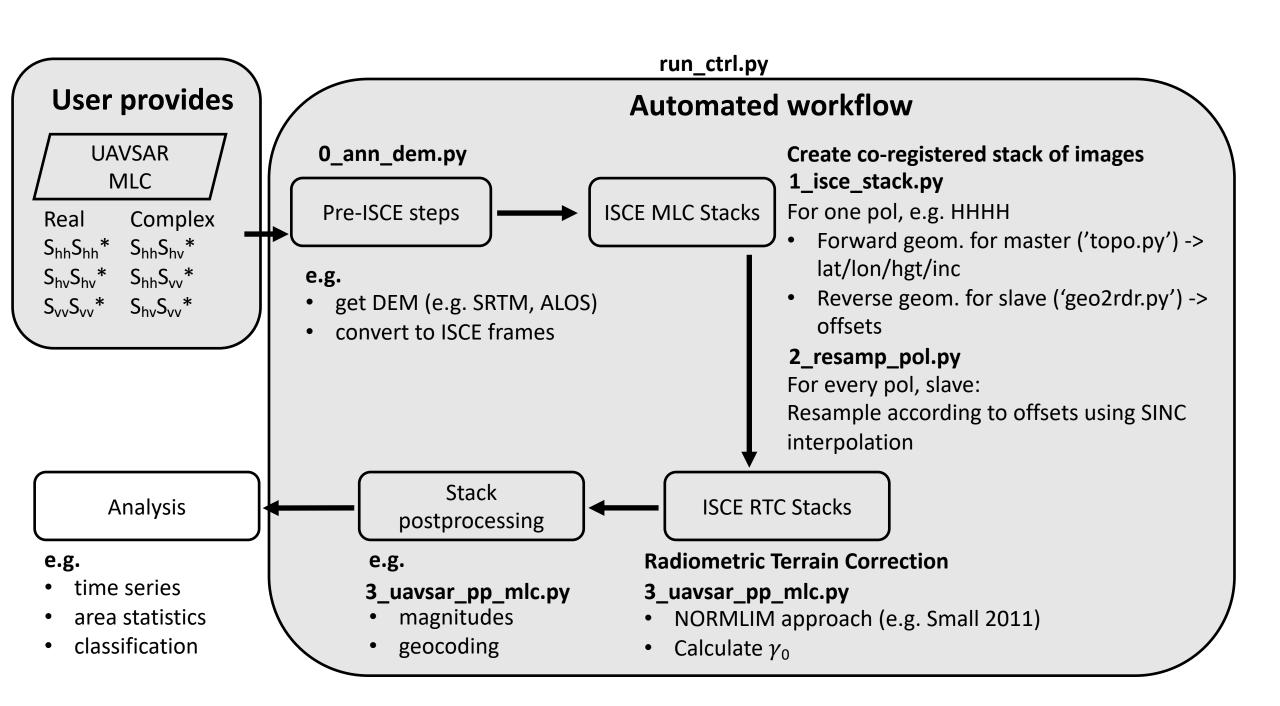
UMassAmherst



ISCE Docker Tools: Automated Radiometric Terrain Correction and image co-registration of UAVSAR MLC data

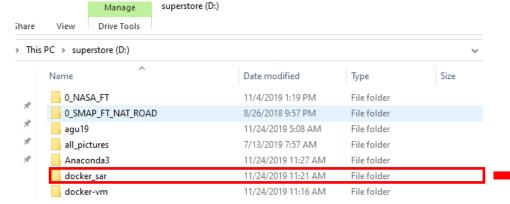
Simon Kraatz, Paul Siqueira, Shannon Rose



UMassAmherst

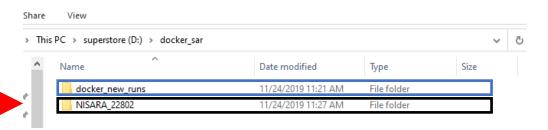
Directory Structure

On my system, <localdir> = D:\docker_sar



This folder has/needs

- all the .py scripts
- all the uavsar mlc .zip files (one flightline at a time)



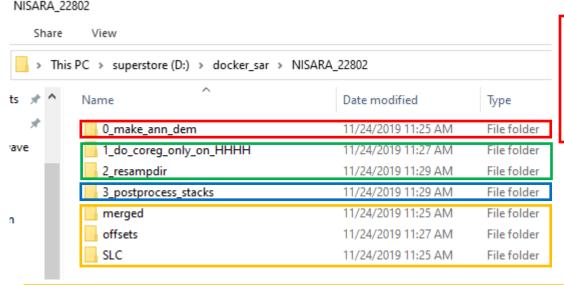
THOUNTERSHY OF MASSACHUSE TYS

This folder has

- all the data pertaining to flightline 22802
- this includes the uavsar mlc .zip files that were processed

Directory Structure

UMassAmherst



These folders are organized in line with the ISCE stack processor

'merged' has the outputs of 'topo.py'

- incidence angles, simamp, lat, lon
- 'offsets'
- has the pixel offset in range/azimuth per slave image
- needed for making the stack
- 'SLC'
- has a copy of the HHHH pol mlc file (renamed .slc)
- the .slc + 'data' file = unpacked ISCE image

This folder has results from 0_ann_dem.py scrip

- the digital elevation model
- the source UAVSAR mlc.zip files
- a log of what was already processed "processed.txt"



These folders only store data temporarily and contain their respective .py scripts.

Don't delete them or the script won't work

This folder has the postprocessed data generated by the 3_uavsar_pp_mlc.py script

- each flightline/date has its own folder
- each has six postprocessed mlc files
- each has the original .ann with new col/row # appended
- Optionally, if geocode = 1 it has GTiffs, UTM coordinate
- Optionally, if complexmag = 1, complex valued -> real valued