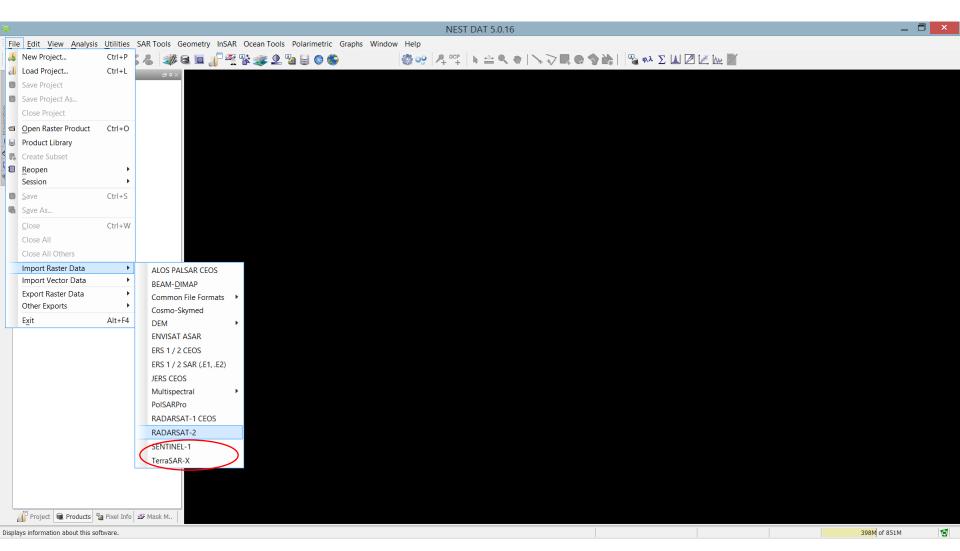
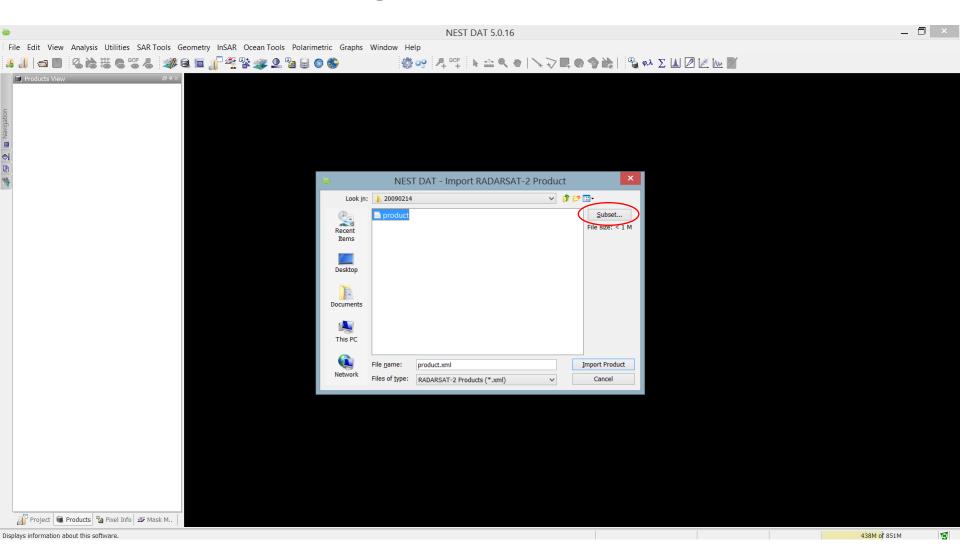
# 1.1. Reading R-2 data set

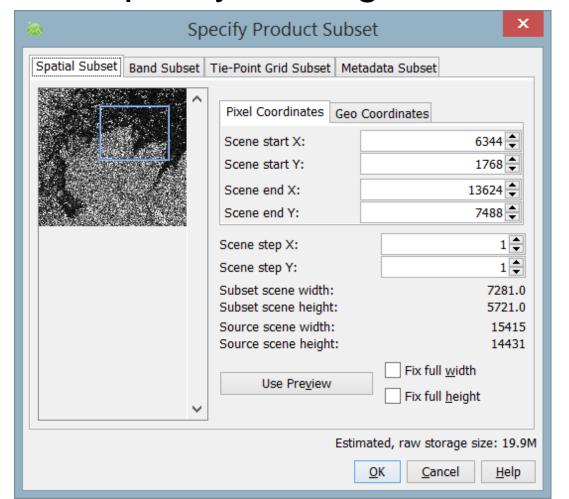


# 1.2. Reading R-2 data set - cont

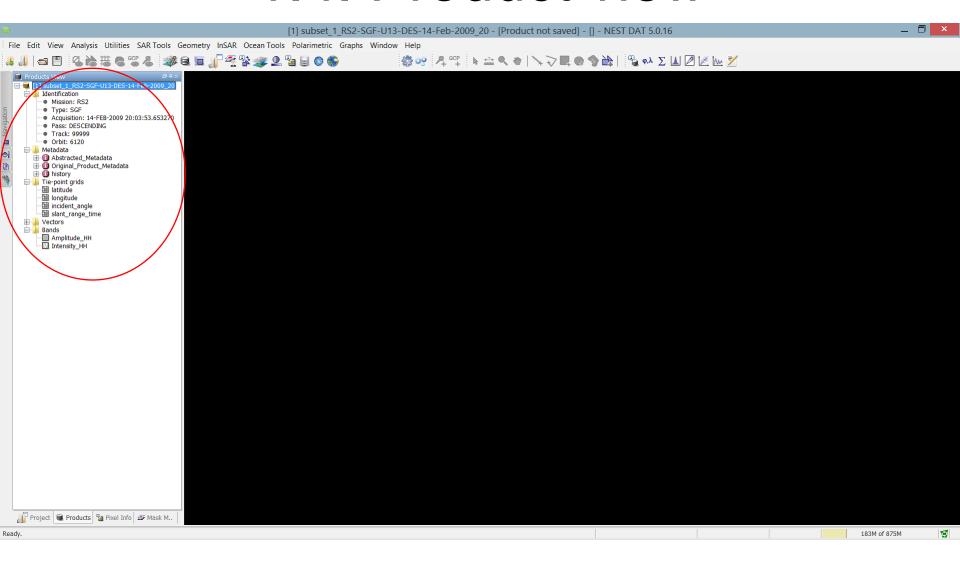


### 1.3. Reading R-2 data set - cont

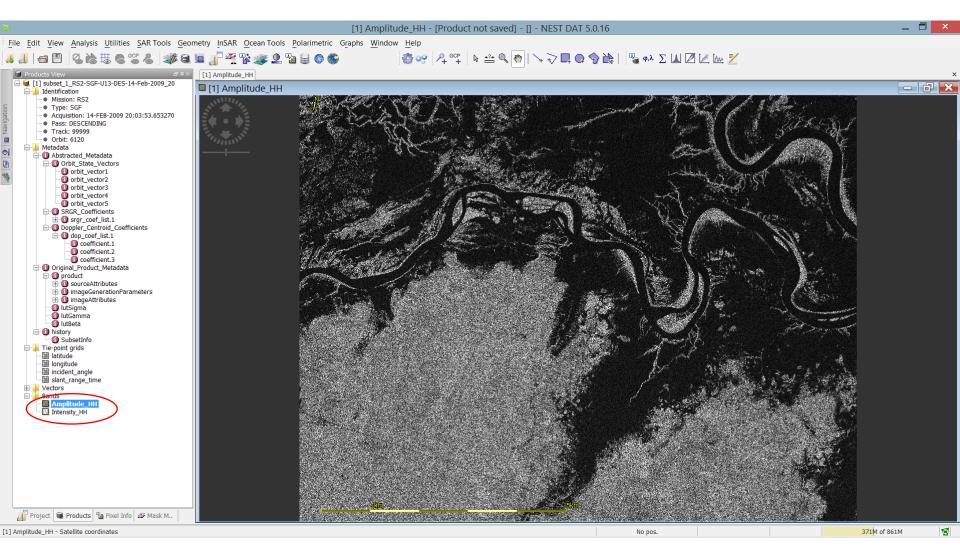
Subset – specify the region of interest



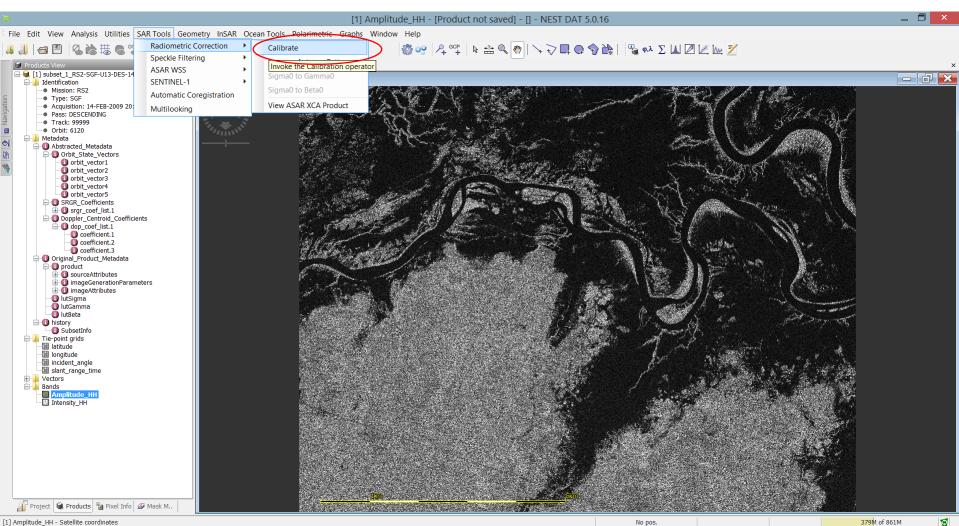
#### 1.4. Product view



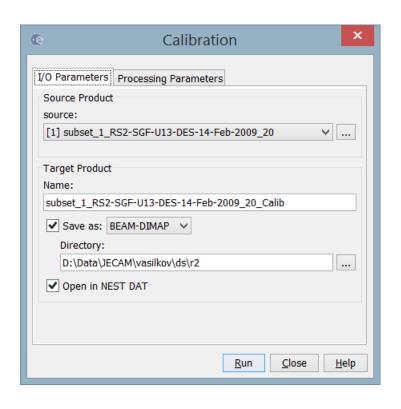
# 1.5. Viewing the image

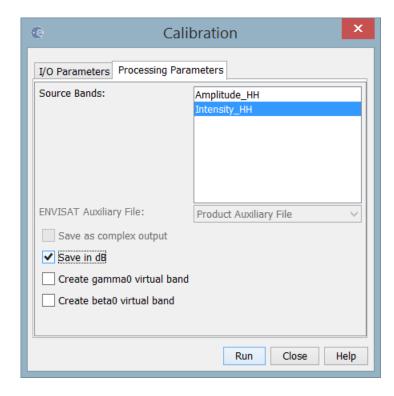


### 2.1. Calibration

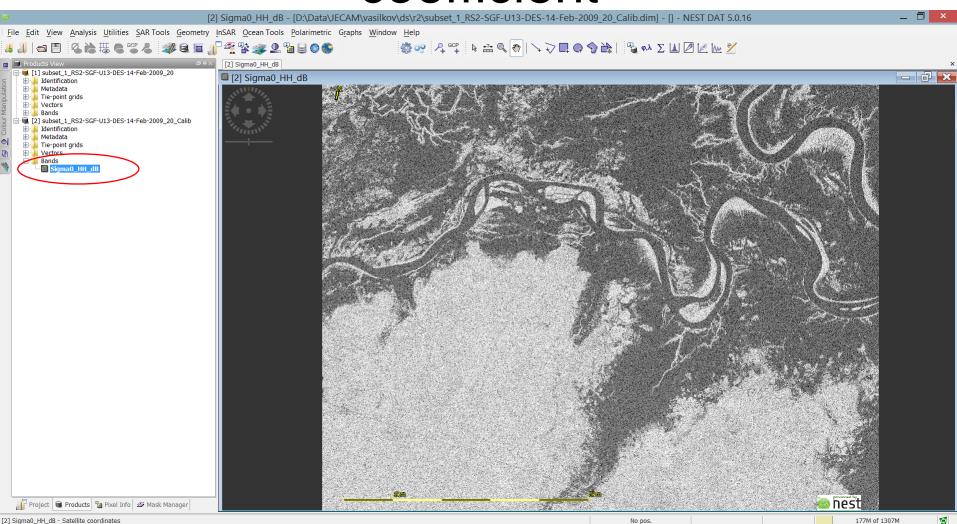


#### 2.2. Calibration

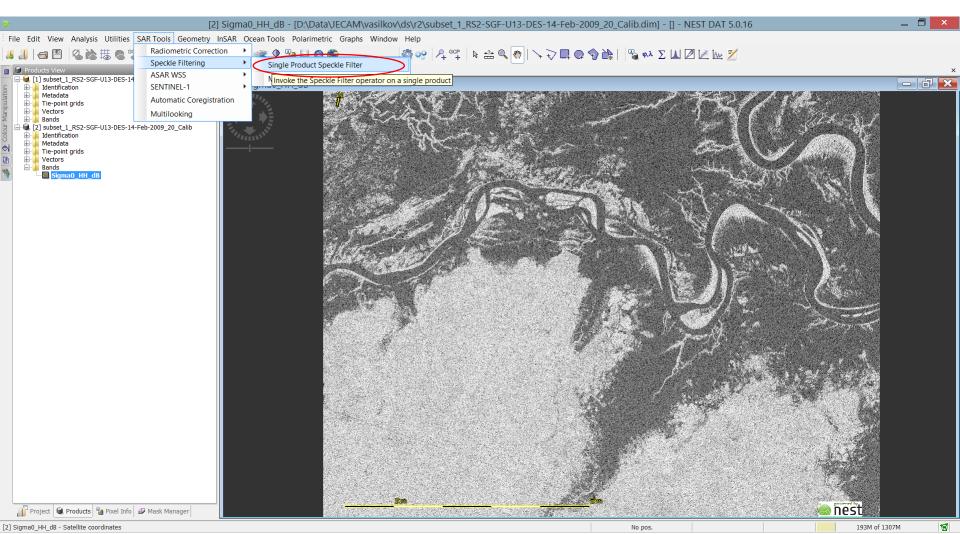




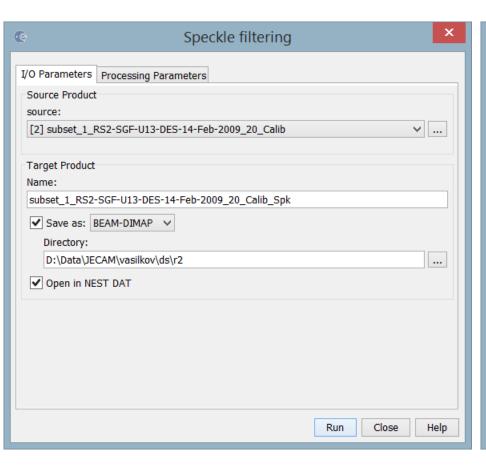
# 2.2. Calibrated product, backscatter coefficient

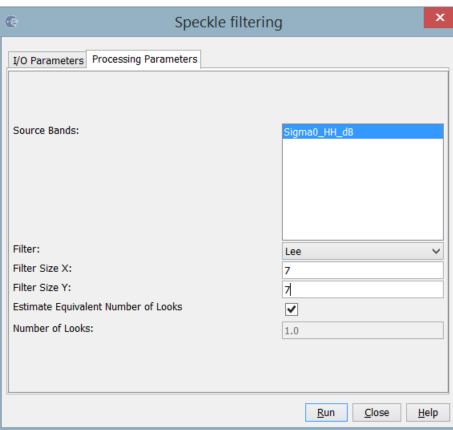


# 2.3. Speckle filtering

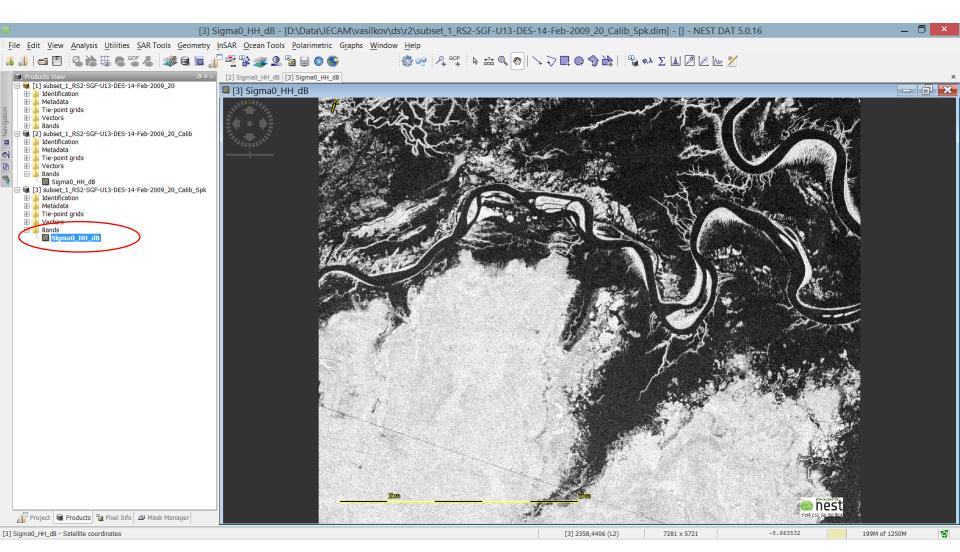


## 2.4. Filter parameters





# 2.5. Filtered product

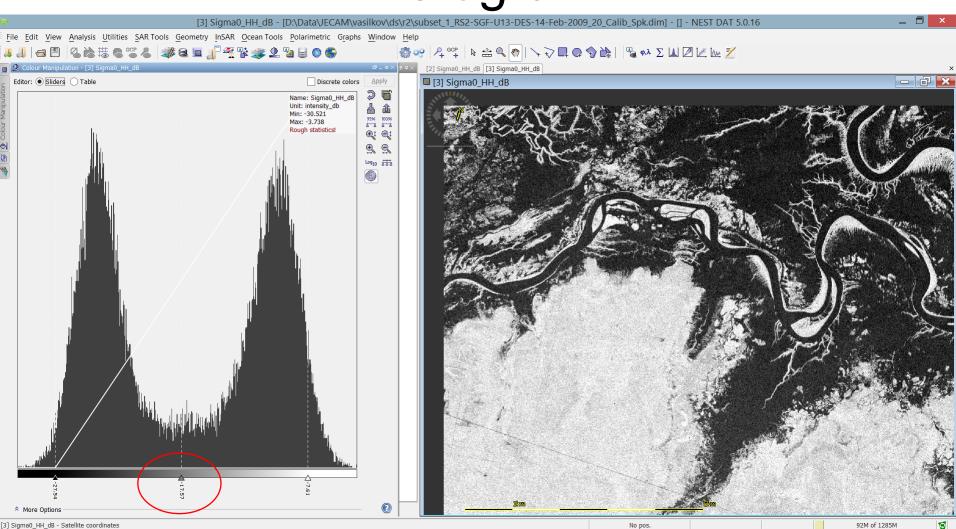


# 2.6. Comparison of filtered and non-filtered images

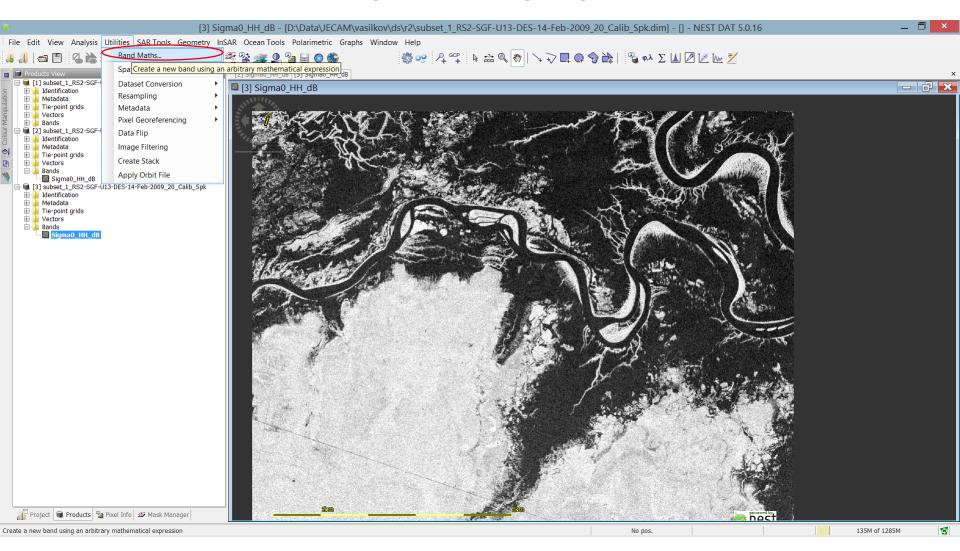




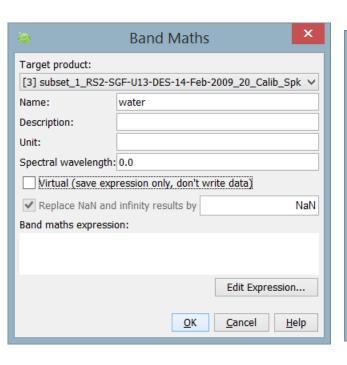
# 3.1. Threshold segmentation. Histogram

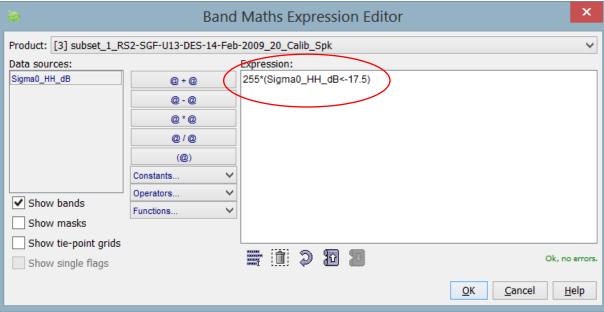


# 3.2. Threshold segmentation. Band arithmetic

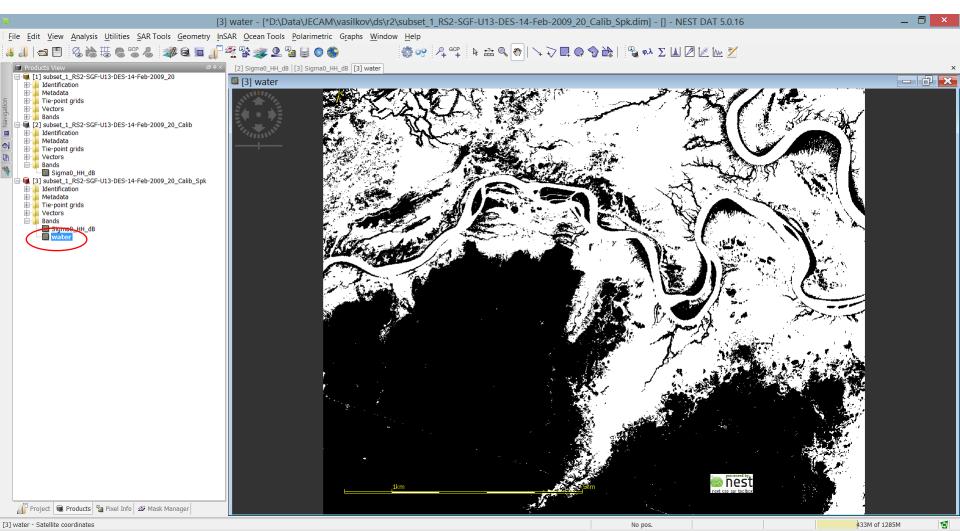


# 3.3. Threshold segmentation. Band arithmetic

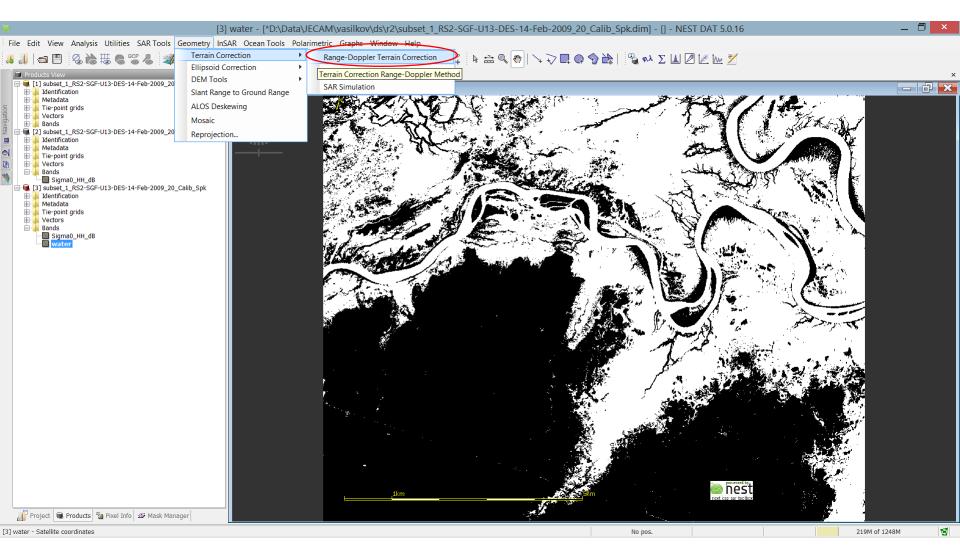




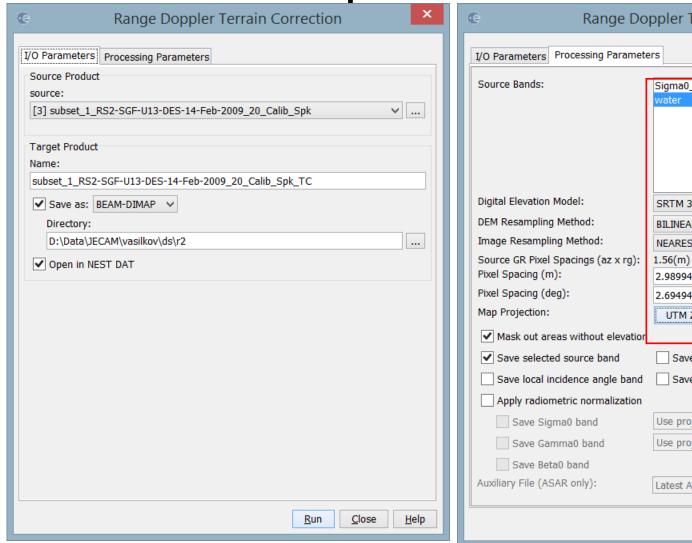
# 3.4. Threshold segmentation. Band arithmetic



#### 4.1. Geometric correction

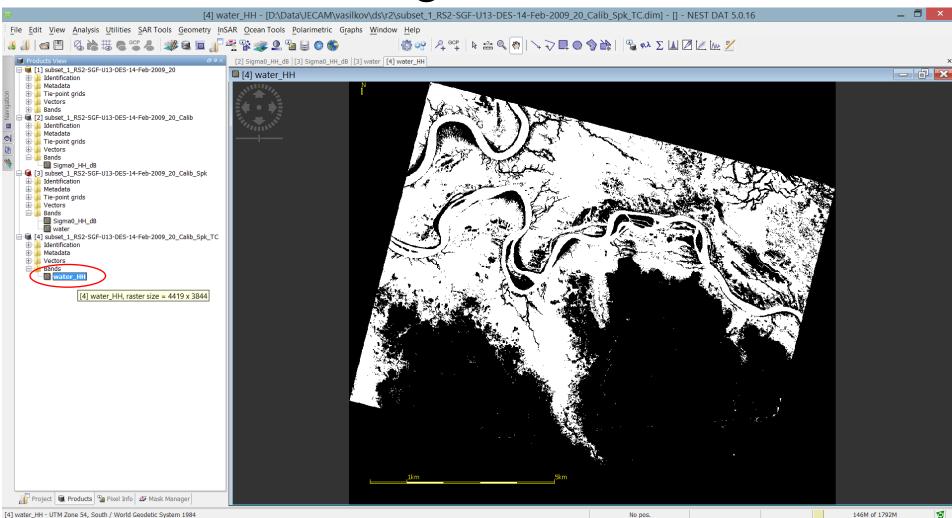


# 4.2. Geometric correction parameters

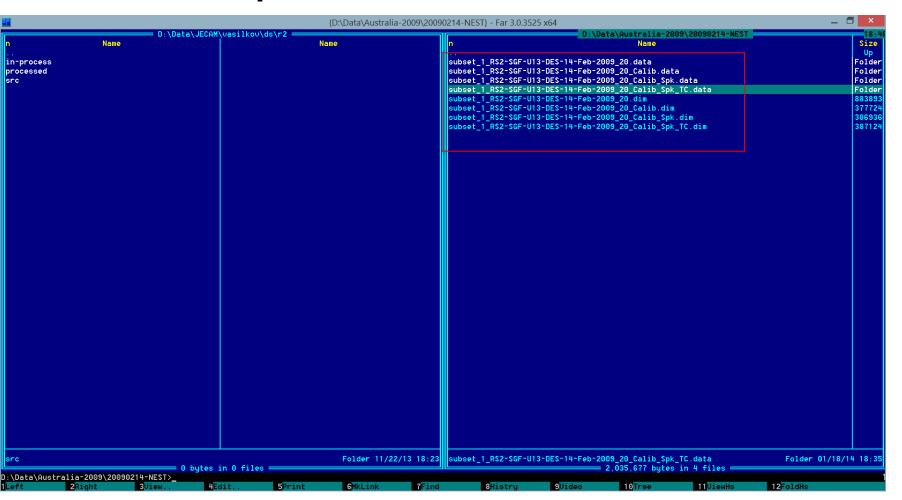


Range Doppler Terrain Correction	
I/O Parameters Processing Parameter	ers
Source Bands:	Sigma0_HH_dB
	water
Bi-th-I Florence Madel	
Digital Elevation Model:	SRTM 3Sec (Auto Download)
DEM Resampling Method:	BILINEAR_INTERPOLATION
Image Resampling Method:	NEAREST_NEIGHBOUR
Source GR Pixel Spacings (az x rg):	1.56(m) x 1.56(m)
Pixel Spacing (m):	2.989941568005758
Pixel Spacing (deg):	2.6949458523585646E-5
Map Projection:	UTM Zone 54, South / World Geodetic System 1984
✓ Mask out areas without elevation	
✓ Save selected source band	Save DEM band
Save local incidence angle band	Save projected local incidence angle band
Apply radiometric normalization	
Save Sigma0 band	Use projected local incidence angle from DEM
Save Gamma0 band	Use projected local incidence angle from DEM
Save Beta0 band	
Auxiliary File (ASAR only):	Latest Auxiliary File
	Run Close Help

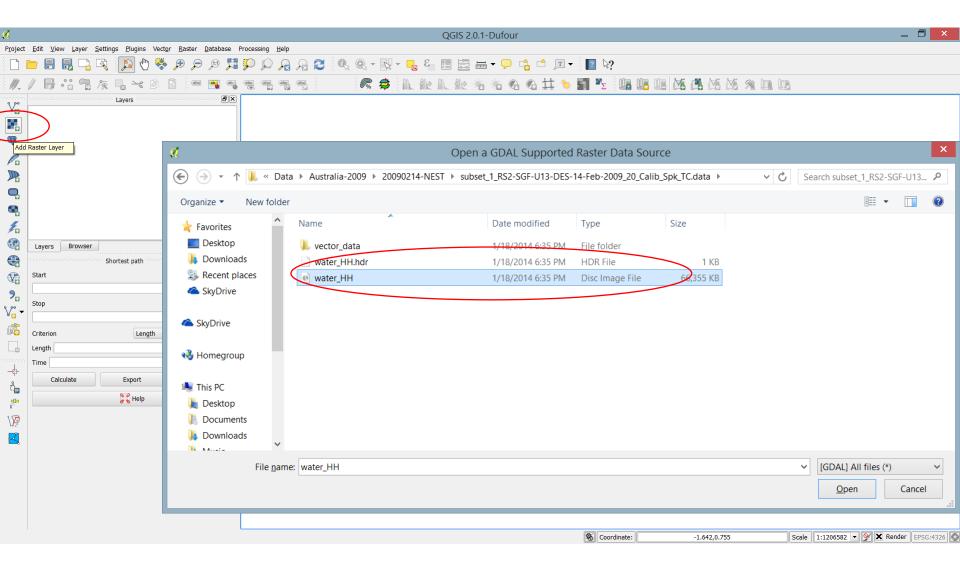
### 4.3. Results of geometric correction



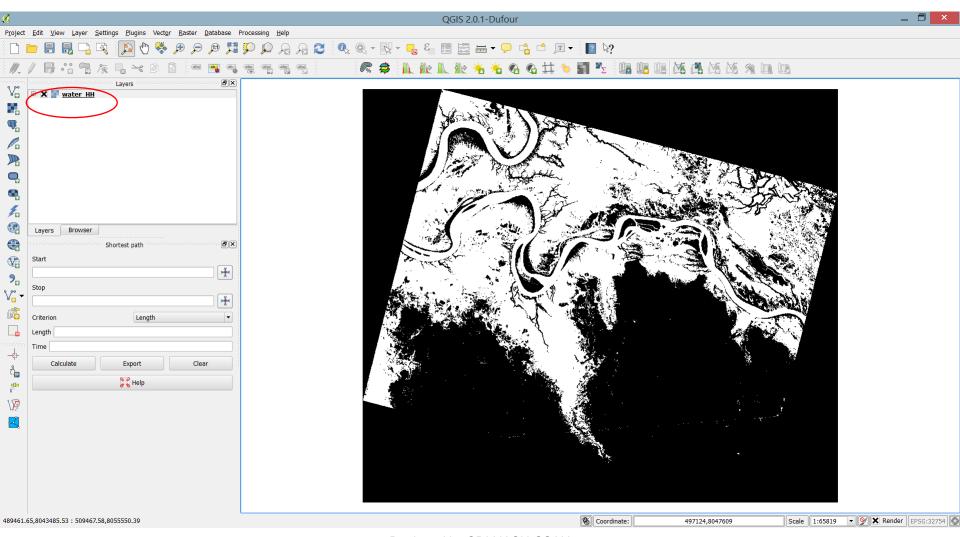
### 5.1. Map creation – Data structure



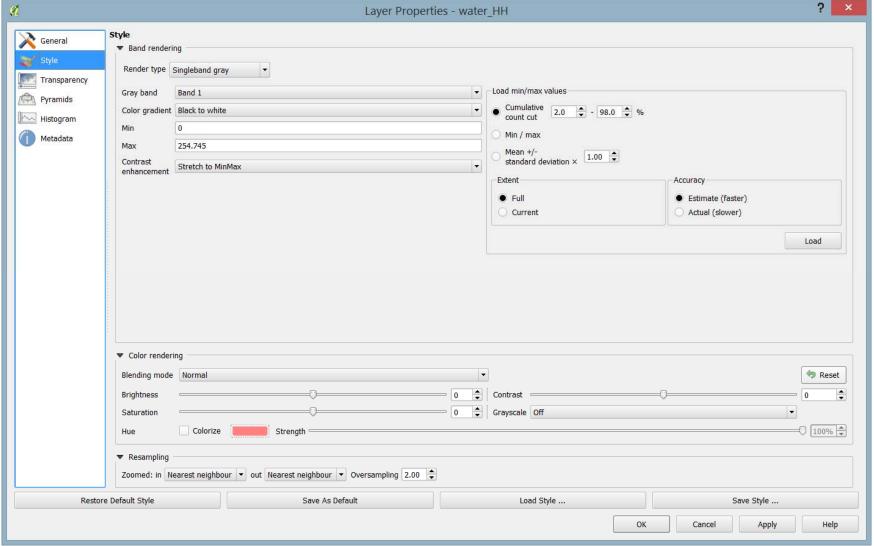
# 5.2. Opening in QGIS



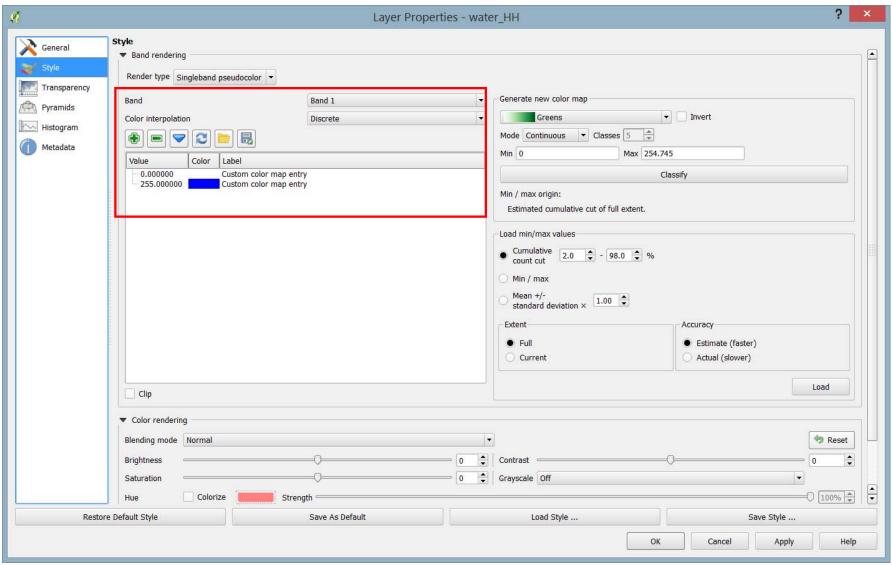
# 5.3. Opening in QGIS



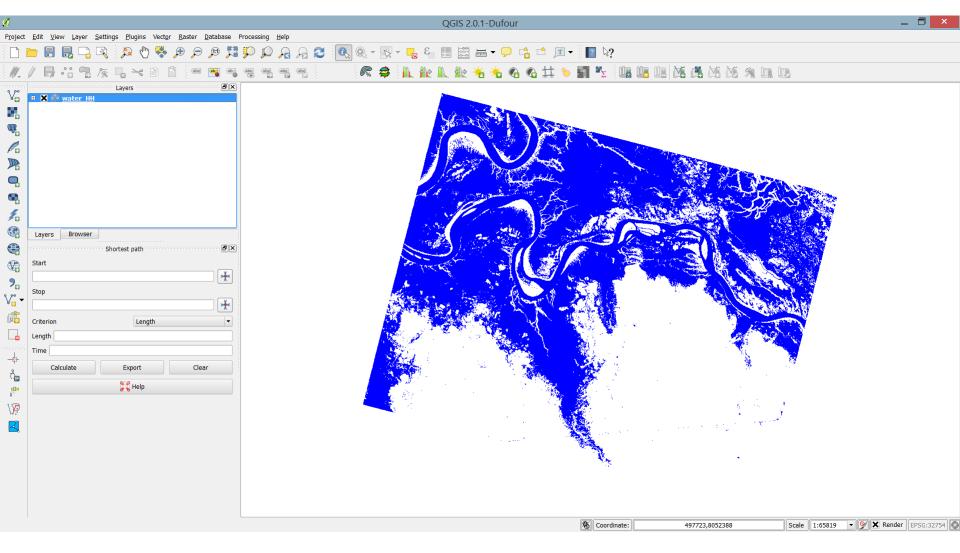
# 5.4. Setting Layer properties in QGIS



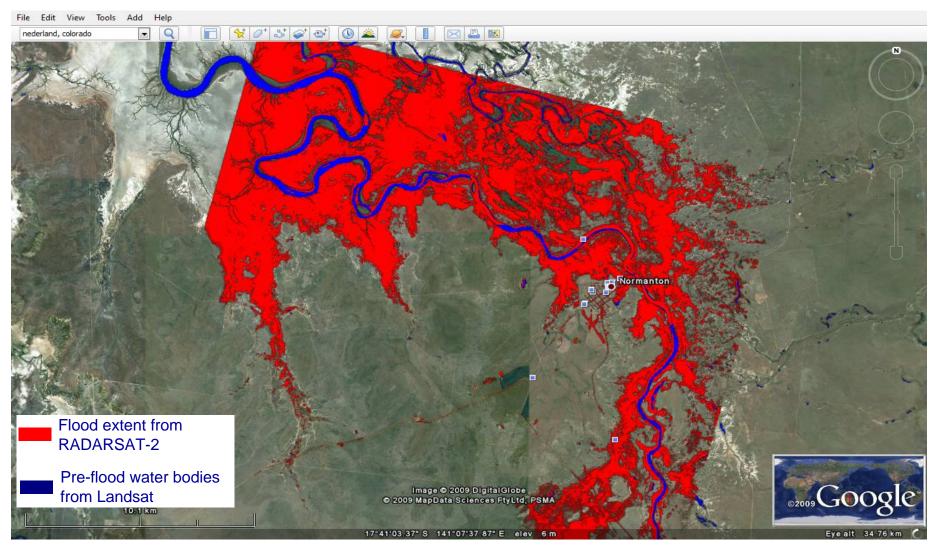
#### 5.5. Setting Layer properties in QGIS



## 5.6. Map creation



### 6. Example of the resulting product



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