The code and file in this big folder is used for segmentation and object recognition. The code file ‘test\_detectBoat.m’ is the launcher script and will call the other two code script files ‘remove.m’ and ‘selectBoatImage.m’ to perform the segmentation. And then it will call the code script ‘build\_database\_by\_ml.m’ to do the classification.

The image files in folders ‘camera01’ and ‘camera02’ is the images to be processed to extract the image location. And image files in folder ‘trainImageSets’ is used to train the classifier.

‘GPS\_Location\_Database.xlsx’ is the result we obtained as the GPS database.

For further questions about this part, please contact Shijie Li by email: shijie.li@huskers.unl.edu