Argo Codes:

1. Reading\_Gridding\_Argo\_Rev3.m is the script for reading Argo data file, from 2004 to 2018. It reads the data and then only selects from 2015 to 2018 to use in SMAP
2. Reading\_Gridding\_Argo\_Rev4.m is the script for Reading Argo data from 2019 onwards, which comes a file per month.
3. Concatenating\_Argo\_Rev4.m is a code to concatenate Argo data month-by-month and creates a file per year.

ERA5:

1. Reading\_Gridding\_ERA5\_Rev2.m is the script to read ERA5 data.

IMERG:

1. Reading\_Gridding\_IMERG\_V06B\_Rev2.m is the script
2. Run\_ConcatDaily\_Rev2.m is the script that calls the one in 3) to run the complete year of data
3. ConcatenatingDaily\_IMERG\_V06B\_Rev2.m is the script that takes the output from 1) and concatenates the data to create one file per day.

SMAP:

1. Reading\_Gridding\_SMAP\_JPL\_V5\_Rev5.m is the script that reads JPL SMAP data and converts it to matlab (this one for sure needs clean up, since we are saving a lot of variables that Eric Hackert requested but we don’t really use for PRIM)
2. Run\_PRIM\_SMAP\_JPLv5\_IMERGv6\_Rev12\_h5.m is the script to generate PRIM for SMAP, in hdf5 and mat format