# README for Chapter 6 and Appendix F Code Release

## Code Release Folder Structure

The main folder is called Gravity Modeling. It contains 1 code file, and 1 data input file.

Additionally, the code file will produce 2 additional data files, each containing the model results. These files are automatically either created or updated each time the pac\_is\_gravity.do is run so they are not included in the code release folder but do not need to be deleted once they are created.

## Code Files

pac\_is\_gravity.do

This Stata do file needs to be edited to use the proper location of the Code Release folder. The file path can be updated in line 12 of the do file. Each time Stata is opened in order to run code files, lines 5–12 must be run for the rest of the file to work properly.

If the entire file is executed, this file will run the gravity model and save results in the Gravity modeling. This may take a few hours.

## Data Inputs

D\_all\_data.dta

The Stata data file is compressed and must be unzipped before using the do file to perform any analysis. These Stata data files contain annual trade data at the ITPD sector level and the USITC gravity model variables. The Commission performed various calculations and transformations with the data to create the variables in these files. Further details can be found in Appendix F of the report.

## Results

Note: These files are not included in the base code release. Instead, these are created by the code file and are saved in the Gravity Modeling subfolder.

ppmlmodel\_results\_long.dta

This Stata data file contains the estimates of trade resulting from the gravity analysis for the entire world on an annual basis.

ppmlmodel\_results\_PacIsTable.dta

This Stata data file contains the estimated trade resulting from the gravity analysis for Pacific Island economies only. No longer on an annual basis, this data reports the maximum and the mean values of the gap between predicted and actual trade.