CAP88-PC V4 TRAINING

Module 2.5
V4 Tools, Utilities, and Options

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TOOLS, UTILITIES, AND OPTIONS

- Creating and Editing Population Files

- Editing Wind Files

- Using the Migration Utility

- Options
  - General

  - Population/Wind Files

  - Advanced

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CREATING OR OPENING POPULATION FILES

- The user can create a new population file be selecting File → New → Population File
- The user can edit existing population files by
  - Selecting Tools → Population File List and double-clicking on the population file to be edited, or
  - Selecting File → Open→ Open Population File

EDITING POPULATION FILES

From the Location tab, the user can :

- Enter the name of the facility
- Enter the location of the facility
- Enter the city
- Select the state from the drop-down menu
- Enter the latitude of the facility (must be a number)
- Enter the longitude of the facility (must be a number)
- Select the census year from a drop-down menu
- Enter a comment

POPULATION FILE EDITOR EXAMPLE

EDITING POPULATION FILES

From the Distances tab, the user can enter between 1 and 20 distances.

- Distances must be ascending order

- Midpoint distances are calculated by the code, and are read-only.

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POPULATION FILE EDITOR EXAMPLE

EDITING POPULATION FILES

- Distances define the outer radius of each ring, with the inner radius being the outer distance of the previous ring. The innermost "ring" is a circle

- From the Direction Values tab, the user can enter the population in that sector

POPULATION FILE EDITOR EXAMPLE

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OPENING WIND FILES

- The user can edit existing population files by
  - Selecting Tools → Wind File List and double-clicking on the population file to be edited, or
  - Selecting File → Open → Open Wind File
- At this time, the user cannot modify the meteorological data (average wind speeds, directional frequencies, and Pasquill stability class frequency) from within CAP88-PC
- The user can edit the information about the meteorological station

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EDITING WIND FILES

The user can :

- Enter the station name

- Select the state from the drop-down menu

- Enter the latitude of the station (must be a number)

- Enter the longitude of the station (must be a number)

- Select the time zone from a drop-down menu

- Enter the record period

- Enter the average temperature during the period

- Enter a comment

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WIND FILE EDITOR

MIGRATION TOOL

- The migration utility is used to move datasets, population, and wind files to new locations, and to upgrade their format from Version 3 to Version 4. It is typically used when CAP88-PC is first run.

- Note that only data files from the 12/9/2007 release of CAP88-PC Version 3 can be directly upgraded. If you have older datasets, try opening them in the 12/9/2007 version and save the dataset to put it in the proper format
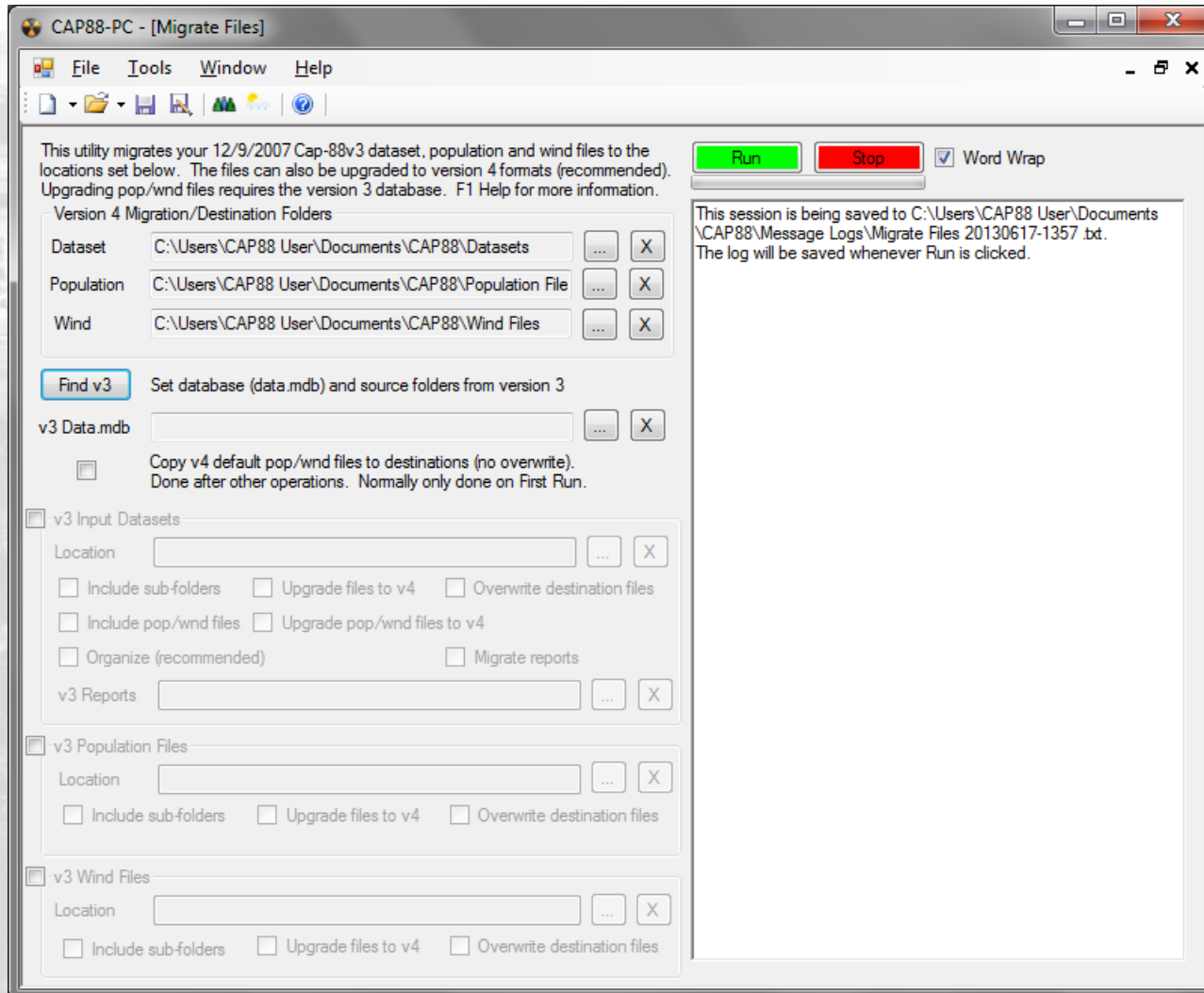
MIGRATION TOOL

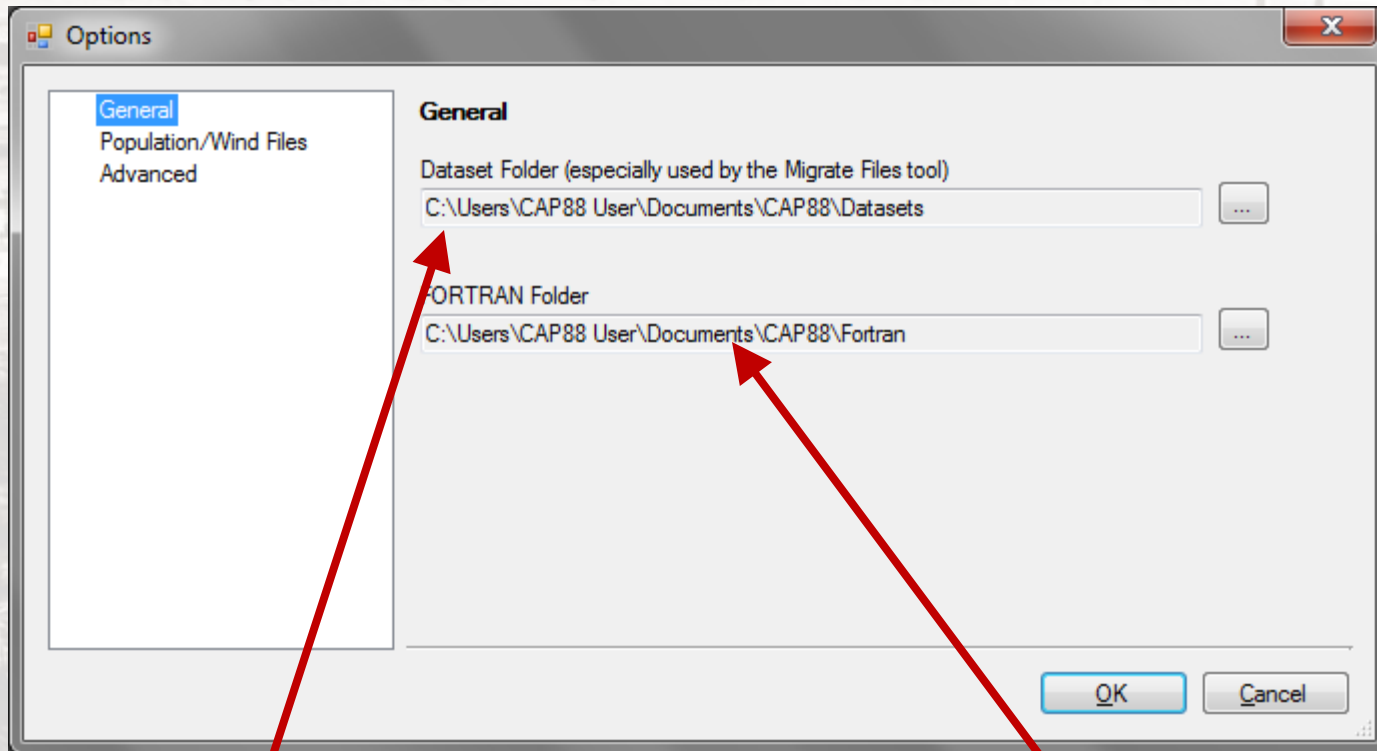The Migration Tool also allows the user to choose the location for the following folders:

- Dataset Destination Folder (the target folder where the Version 4 dataset files will be placed)

- Population Destination Folder (the population file destination folder)

- Wind Destination Folder (the wind file destination folder)
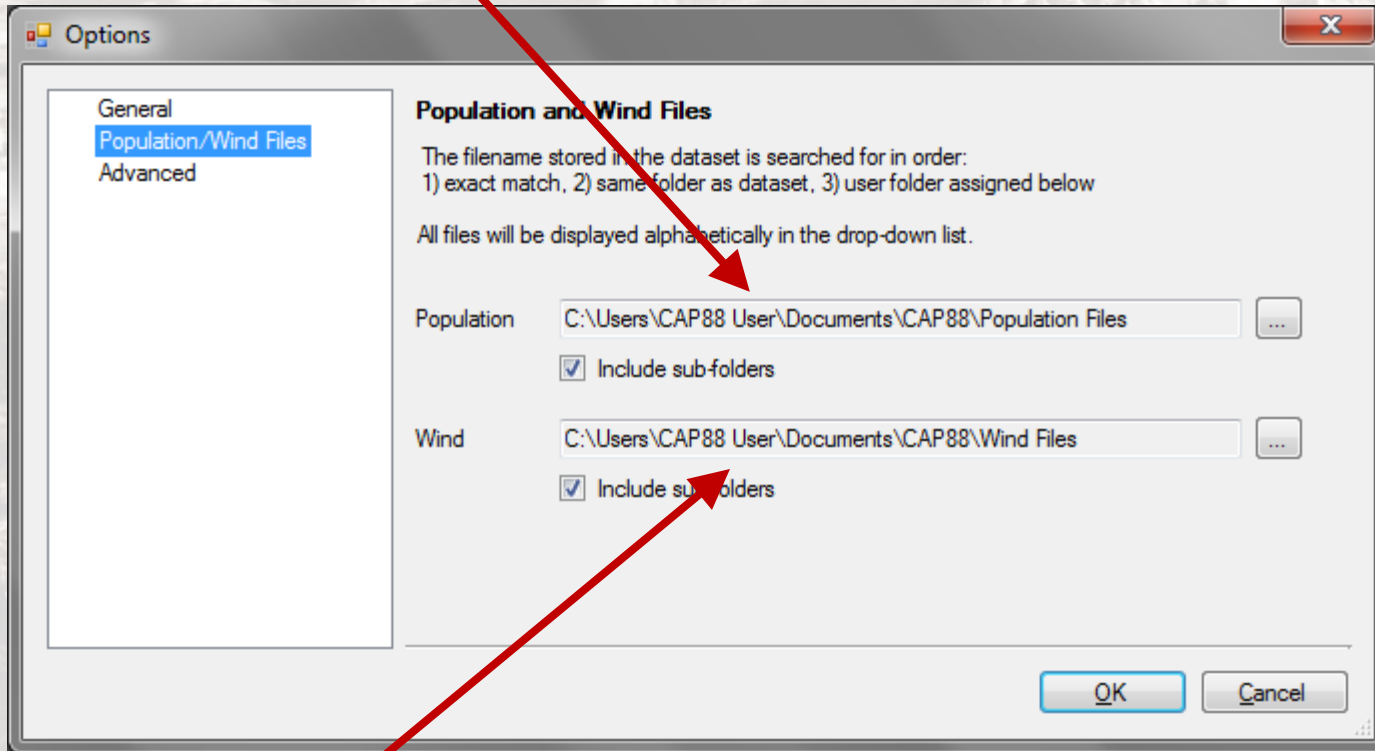
MIGRATION UTILITY

OPTIONS - GENERAL

Location of Datasets   Location of Fortran Code
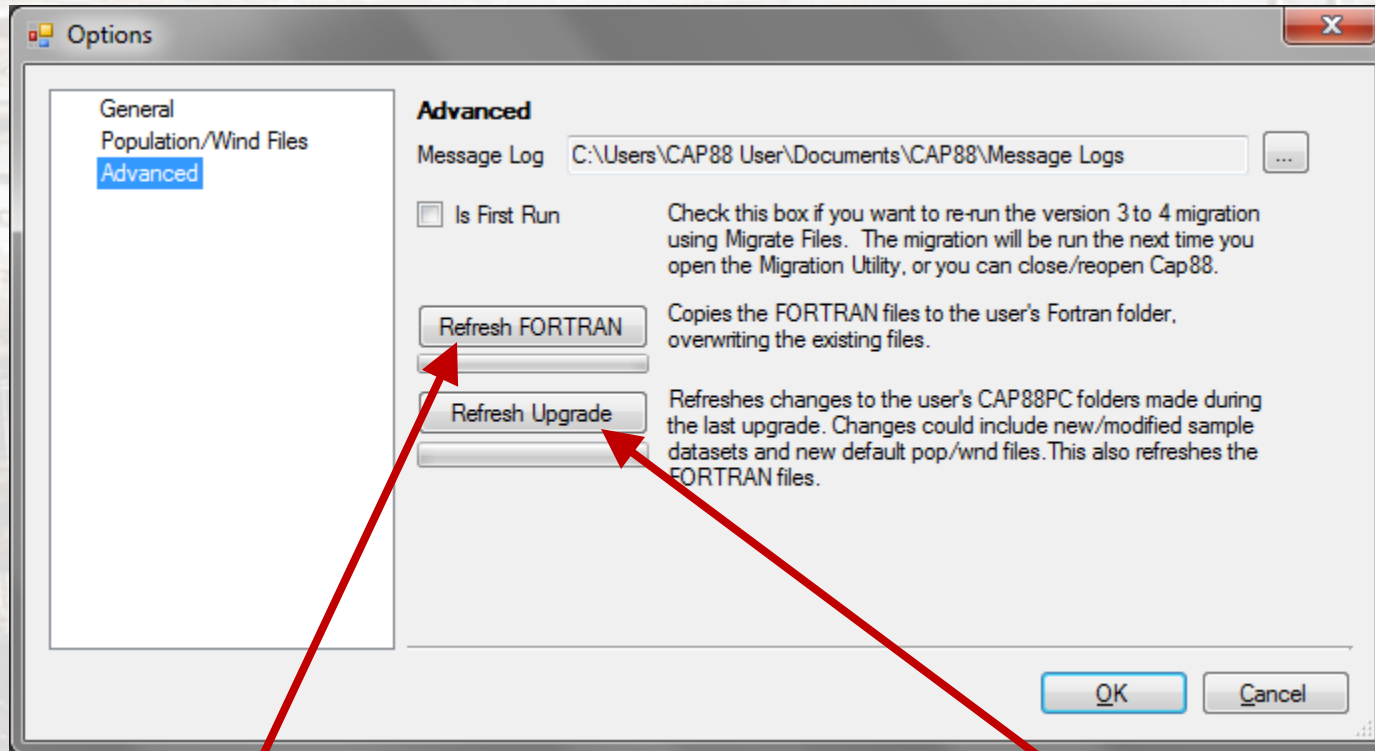
OPTIONS – POPULATION/WIND FILES

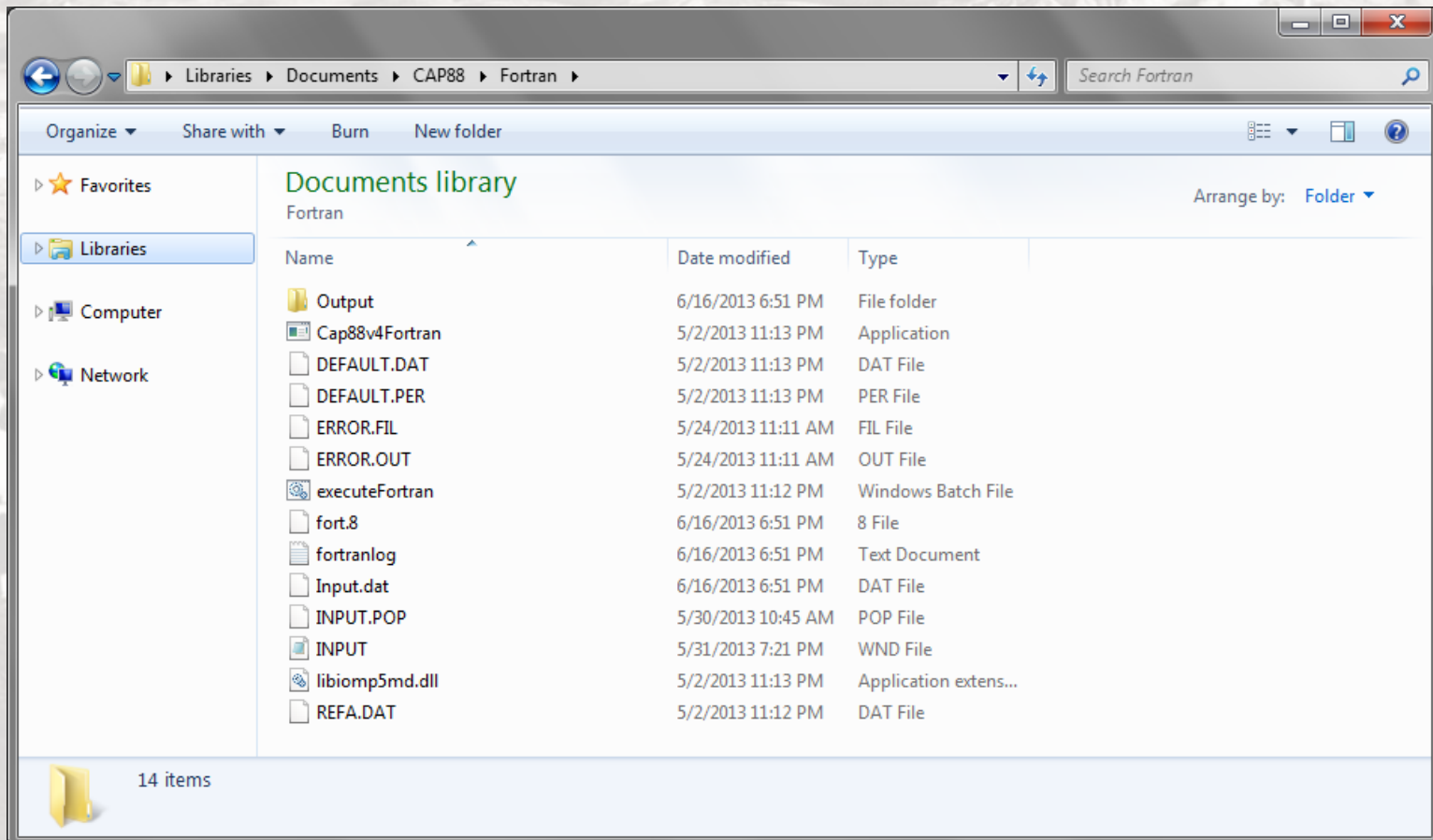Location of Population Files

Location of Wind Files

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OPTIONS - ADVANCED

Refresh FORTRAN

Refresh Upgrade

REFRESH FORTRAN

Copies FORTRAN files to the user's folder.

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REFRESH UPGRADE

Refreshes changes to the user's CAP88PC made during the last upgrade by copying folders in the user's Documents folder with those in the Default Files folder.