

STEPS	DETAILS	BACKGROUND
Prepare the data files to be processed	1. Locate your raw EM27 data files. 2. If not already done, organize files by day and instrument. Main folders should correspond to the instrument serial numbers in SN#### format (e.g., SN155). Nested folders should correspond to the deployment date in YYMMDD format (e.g., 221019 for a deployment on October 19, 2022). 3. Ensure that all raw EM27 data files are named according to the following file naming convention: YYMMDDSN.#### 4. Locate your surface pressure data. The location as well as file name, structure, and type can be customized to your liking, but should be repeatable between files. Make note of the path to your data. 5. If not already done, collect the a priori profile (*.map) data files. It is recommended that you use the sub-daily files created using TCCON data, which can be made on request for any site and date range. 6. Make note of the path to your *.map files.	The location of the files does not matter so long as the code in your <i>proffastpylot</i> directory is able to access the file location without the need for extra permissions (i.e., do not store raw EM27 data on a remote cluster and try to run the PROFFAST code locally). The four digits making up the file extension are assigned by the OPUS software for the EM27. See the TCCON wiki for more information on gathering *.map files: https://tcon-wiki.caltech.edu/Main/WebHome