

RAOB: Data Merge & Diagram Processing Schematic

This schematic depicts the RAOBMERGE and RAOB Program functions with respect to data paths. The RAOBMERGE Program and the RAOB Program can be run independently or simultaneously. Note that the RAOBMERGE Program is the only optional RAOB Program module (Advanced Merge Module) that can run independently from the RAOB Program. When both programs run simultaneously while using their timer functions, the entire dataflow process can be automated.

▽ The [RAOBMERGE Program](#) is the main driver of the optional Advanced Merge Module. It will merge 2 different time-series sounding files into one composite file. It will merge the Temperature data from the 1st sounding file with the Wind data from the 2nd file. The resulting file will be a hydrostatically balanced composite time-series file. The RAOBMERGE Program does not display data, it only merges data which can be saved to file or sent via FTP.

◈ The RAOB Program's optional [Real-Time Processor](#) module will automatically retrieve time-series (or individual sounding files) and create Time-Height diagrams. The plotted diagrams will only be updated if new data is detected. Diagram images can also be saved to file and/or sent via FTP functions.

