



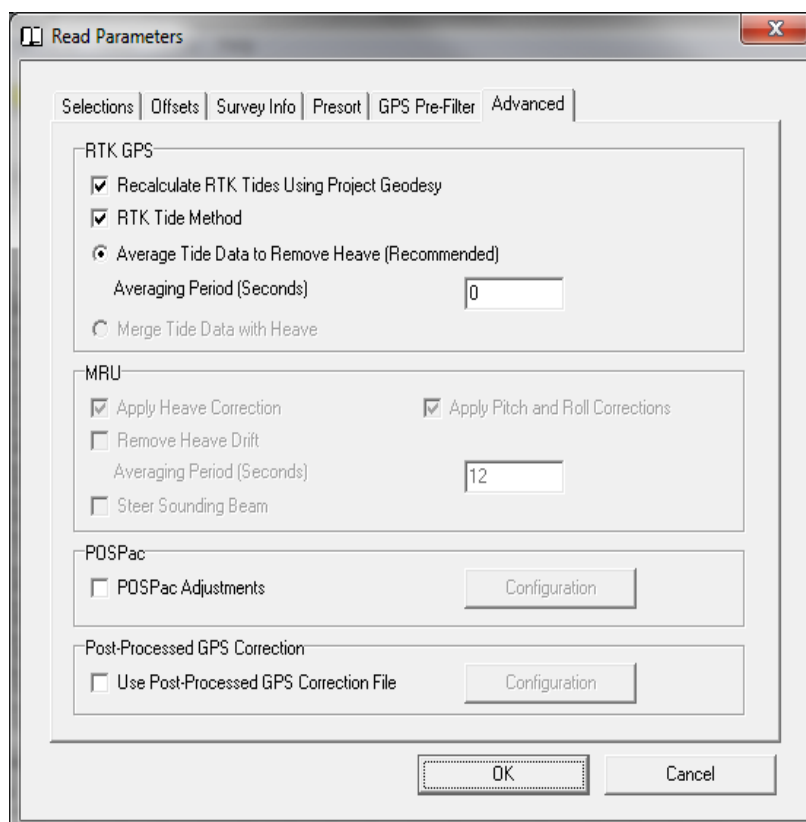
Apply PPK Corrections in SBMAX

by Ken Aiken

In SBMAX and MBMAX (the Single Beam and Multibeam Editors, respectively) you can now apply PPK Ellipsoid Corrections to RAW data files. The new “Post-processed GPS Correction” options that support this function are in the in the Advanced tab of the Read Parameters dialog.

1. **While loading your RAW data, check the “Use Post Processed GPS Correction” option.**

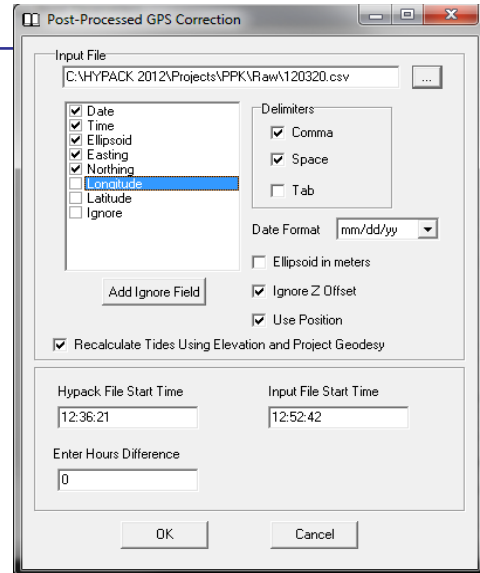
FIGURE 1. Read Parameters - Advanced Tab: The New Ellipsoid Correction Option



2. **Click [Configuration] and select your PPK file for the input file.**

FIGURE 2. Sample Setup for a PPK File.

3. **Describe the records in your PPK file.**
 - **Check the values that occur in each record.** You can add ignored fields (click [Add Ignore Field]) for any variables which you don't need.
 - **Set the order of the the values** by dragging them with the cursor.
 - **Select the delimiters for the file.** PPK files, to my knowledge, will be comma separated and space separated to handle the Date-Time entry.
 - If the ellipsoid is in meters instead of survey units, check the “**Ellipsoid in meters**” option.



4. **Click [OK] to finish loading your data.**

If you have already edited your raw data, you can also import your removal of bad points from the edited data into your raw data.

1. **Select FILE-OVERLAY and open your edited files or catalog of edited files.** Ensure that the correct files are matched.
2. **Click [Apply Edits from Overlay]** to import the bad point flags from the edited file.
3. **If you do not wish to see the old edited file as an overlay, select “Remove Overlay” at this point.**
4. **Close out of the overlay dialog and examine your data.** It will show your new edited data and the previous.

FIGURE 3. RAW Data with Overlay of Edited Data

