

PROCEDURE FOR DIFFERENTIALLY CORRECTING DATA USING AN XT

1. Open GPS Pathfinder Office 4.10.
2. Click on the **Differential Correction Wizard** (bullseye) icon on the left of the screen.
3. Click the plus sign on the right of the Differential Correction Wizard screen and navigate to the folder containing the file you wish to correct, select it and **Open**, click **Next**.
4. Choose **Automatic Carrier and Code Processing** and click **Next**.
5. Click **Next**.
There are several ways to differentially correct your data. The preferred way is to let the Wizard extract the base data files for you (described below). If this fails, see the Troubleshooting section at the end to manually obtain a file for differential correction.
6. Select **Base Provider Search** and click **Select** to the right of the box.
7. Select **Single Frequency Carrier** or **Code** (whichever applies to your data collection) from the **Show Integrity Index of Type** drop down menu and click **Update List**.
8. Select a base station that is preferably within a 20 mile distance and click **OK**. *If you have trouble getting your data to post process, repeat steps 2 – 8, choosing a different station.*
9. Ensure **Use reference position from base provider** is selected under the **Reference Position** tab and click **Next**.
10. Click the circle next to the appropriate **Output Folder** and **Output Filename** and click **Start**.
11. Allow the Wizard to process the data.
12. When completed, you should see the percentages of corrected data features categorized by their estimated accuracy. click **Close**.
13. To view the corrected file select the Open folder icon at the top of the screen and your corrected file should be in the list. It will be the one with the bullseye icon next to the file name.

TROUBLE SHOOTING: OBTAINING A BASE FILE MANUALLY

It is always best to wait 24 hours from the time of data collection before attempting to post process. If 24 hours has not passed since you collected data, this may be your problem. Please try again after the allotted time period.

If all else fails, downloading the base file manually may be the best option. Please follow these procedures.

1. Navigate to this URL <http://www.ngs.noaa.gov/CORS/>.
2. Click the **User Friendly CORS** tab in the center of the screen.
3. Fill out the appropriate information about the **data collection** and click **CONTINUE**.
4. From the top, select the appropriate CORS station, leave the other boxes as they defaulted, but ensure the last is **pkzip**. Click **SUBMIT**.
5. It may take a few seconds, but you will have the option to save the file. Do so and it should be saved to your desktop.
6. Find the folder on your desktop and extract the files.
7. Follow the steps in the XT section except use the following steps instead of 6 – 9.
8. Select the circle next to **Browse** and select **Browse** to the right.
9. Navigate to the Desktop and find the file that was just extracted, select the one with an “o” extension.
10. Under **Reference Position** select **Use reference position from base files** and click **Next**.