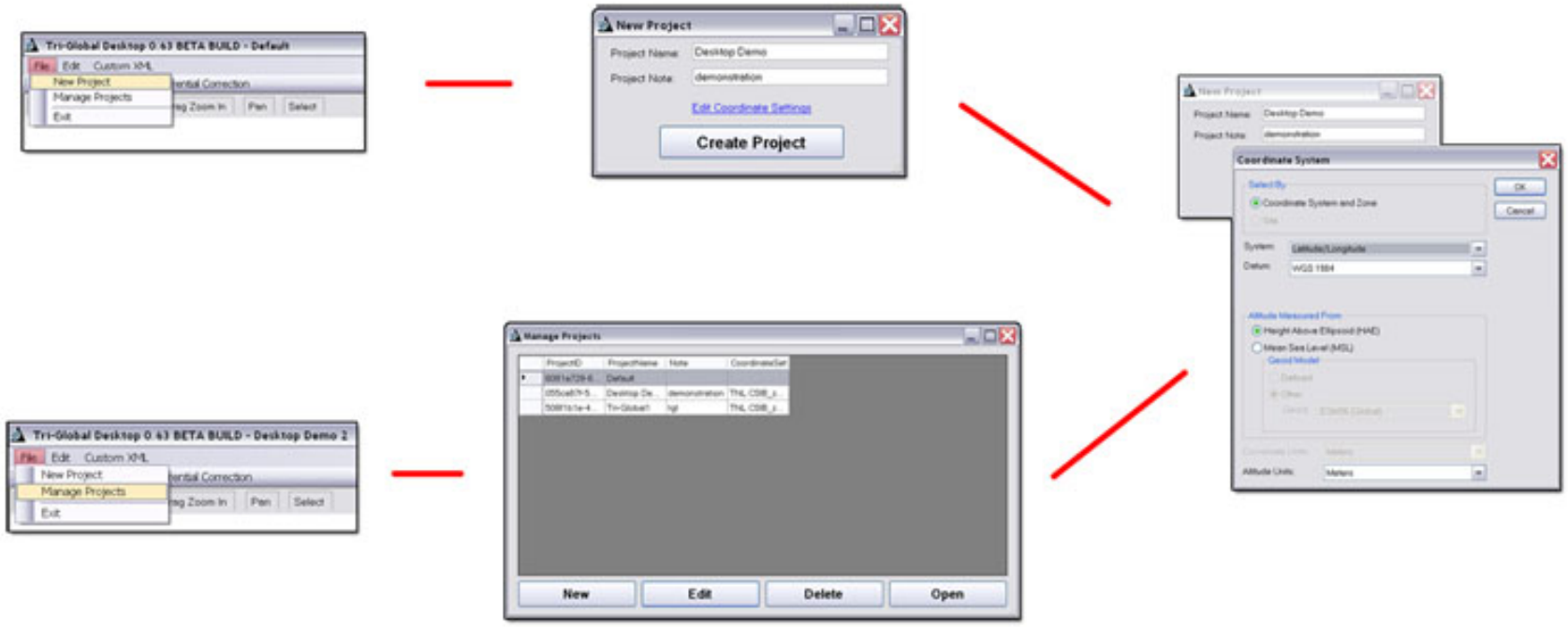
Tri-Global Mobile Suite Data Veiwer Help Files

Second Edition May , 2009

How to Create a Project within Mobile Suite Data Veiwer

Upon opening the new Tri-Global Technologies Data Viewer you can create a new project, or open an existing one.
To do this, select **FILE** and then either **NEW PROJECT**, or **MANAGE PRJOECTS** and select the appropriate project.
When creating a **NEW PROJECT** you can fill out your desired project name, and a description of the project if needed.
From the **NEW PROJECT** screen you can also adjust your **COORDINATE SYSTEM SETTINGS** as shown below.
Every project you set up can have its own unique coordinate system setting if required.



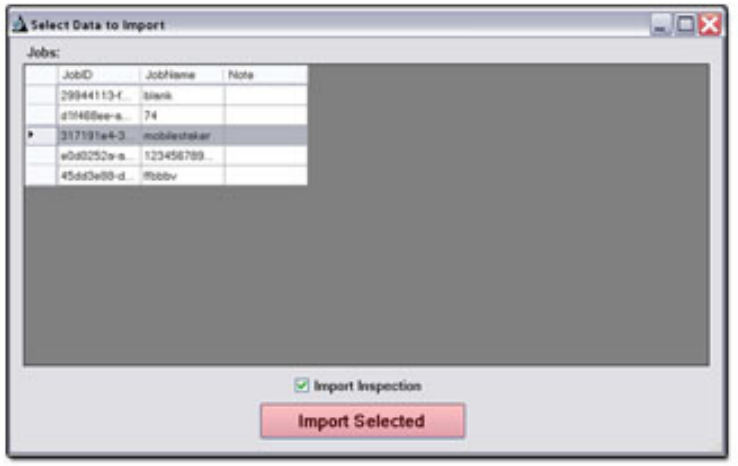
When you are finished setting up a project click on **CREATE PROJECT**, or if using the Manage Projects option click **OPEN**. Your project name will be displayed at the top of the desktop and you can now begin importing Tri-Global Mobile Suite Jobs.

TOP of page

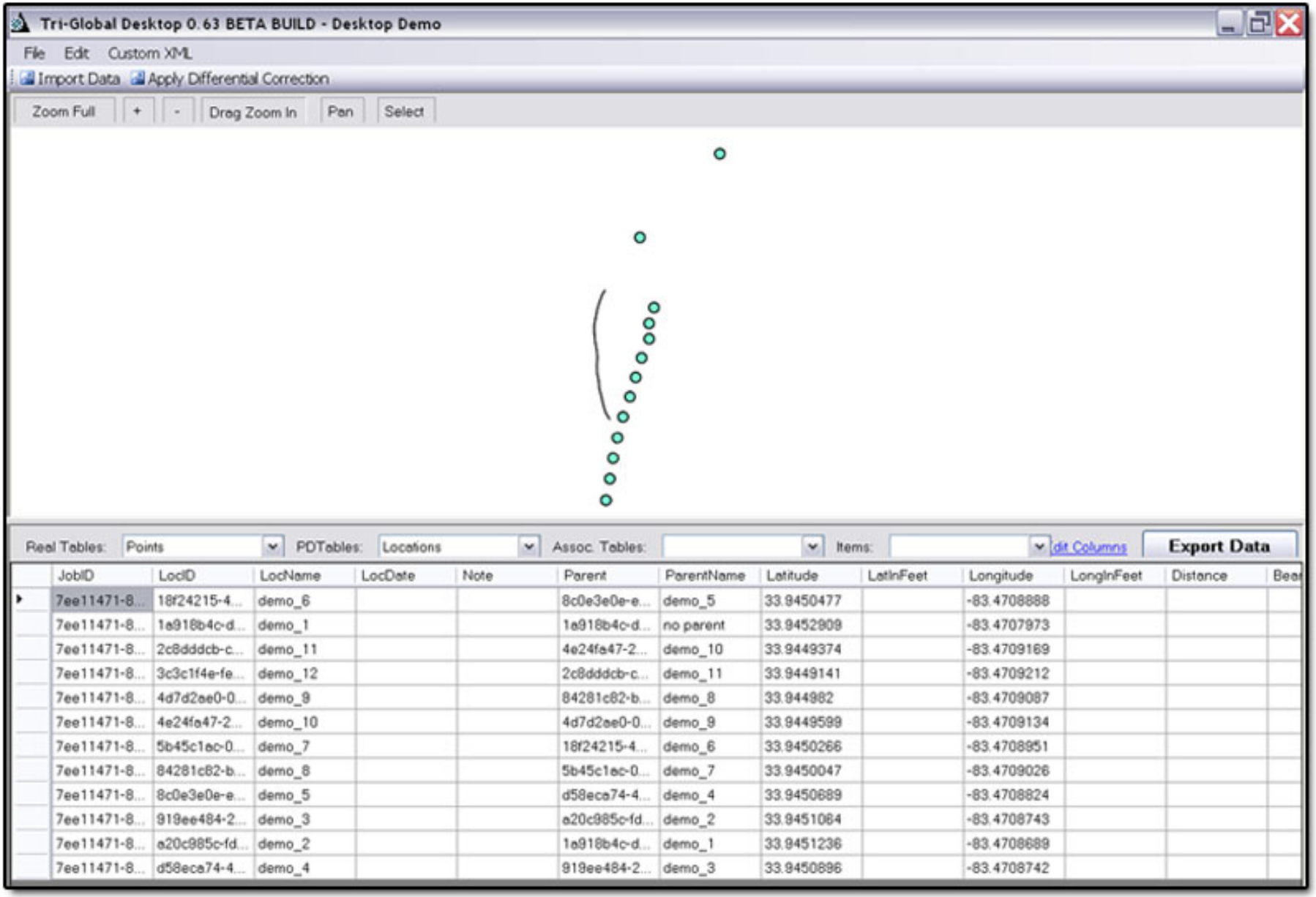
How to Import Data into the Mobile Suite Data Veiwer

To import data into your project click on the **IMPORT DATA** tab. Here you can choose between **DEVICE** or **DIRECTORY.** When importing data from the device please make sure you are completely closed out of the Mobile Suite program and have an **ACTIVE SYNC** connection. When ready, click on the **IMPORT DATA** tab. You may also import as many Tri-Global Mobile Suite jobs from as many devices as you wish into a single project.

***Please make sure that if multiple jobs are being imported into one project, those jobs are within reasonable range of each other so your selected base stations for post processing will cover them.**



After you click on the **IMPORT DATA** tab, you are asked to select your job or jobs from the list on the device. Select the appropriate job and click **IMPORT SELECTED**. To select multiple jobs to import hold the **SHIFT key** while selecting jobs and when ready click **IMPORT SELECTED**. Once imported you will see your job (s) displayed in the data tables as well as a quick view of your data in the map screen.


Tri-Global Desktop 0.63 BETA BUILD - Desktop Demo
File Edit Custom XML
Import Data Apply Differential Correction
Zoom Full + - Drag Zoom In Pan Select
Real Tables: Points PDTables: Locations Assoc. Tables: Items: dit Columns Export Data
JobID LocID LocName LocDate Note Parent ParentName Latitude LatInFeet Longitude LongInFeet Distance
7ee11471-8... 18f24215-4... demo_6 8c0e3e0e-e... demo_5 33.9450477 -83.4708888
7ee11471-8... 1a918b4c-d... demo_1 1a918b4c-d... no parent 33.9452809 -83.4707973
7ee11471-8... 2c8dddcb-c... demo_11 4e24fa47-2... demo_10 33.9449374 -83.4709169
7ee11471-8... 3c3c1f4e-fe... demo_12 2c8dddcb-c... demo_11 33.9449141 -83.4709212
7ee11471-8... 4d7d2ae0-0... demo_9 84281c82-b... demo_8 33.944982 -83.4709087
7ee11471-8... 4e24fa47-2... demo_10 4d7d2ae0-0... demo_9 33.9449599 -83.4709134
7ee11471-8... 5b45c1ec-0... demo_7 18f24215-4... demo_6 33.9450266 -83.4708951
7ee11471-8... 84281c82-b... demo_8 5b45c1ec-0... demo_7 33.9450047 -83.4709026
7ee11471-8... 8c0e3e0e-e... demo_5 d58eca74-4... demo_4 33.9450689 -83.4708824
7ee11471-8... 919ee484-2... demo_3 a20c985c-fd... demo_2 33.9451064 -83.4708743
7ee11471-8... a20c985c-fd... demo_2 1a918b4c-d... demo_1 33.9451236 -83.4708689
7ee11471-8... d58eca74-4... demo_4 919ee484-2... demo_3 33.9450896 -83.4708742

TOP of page

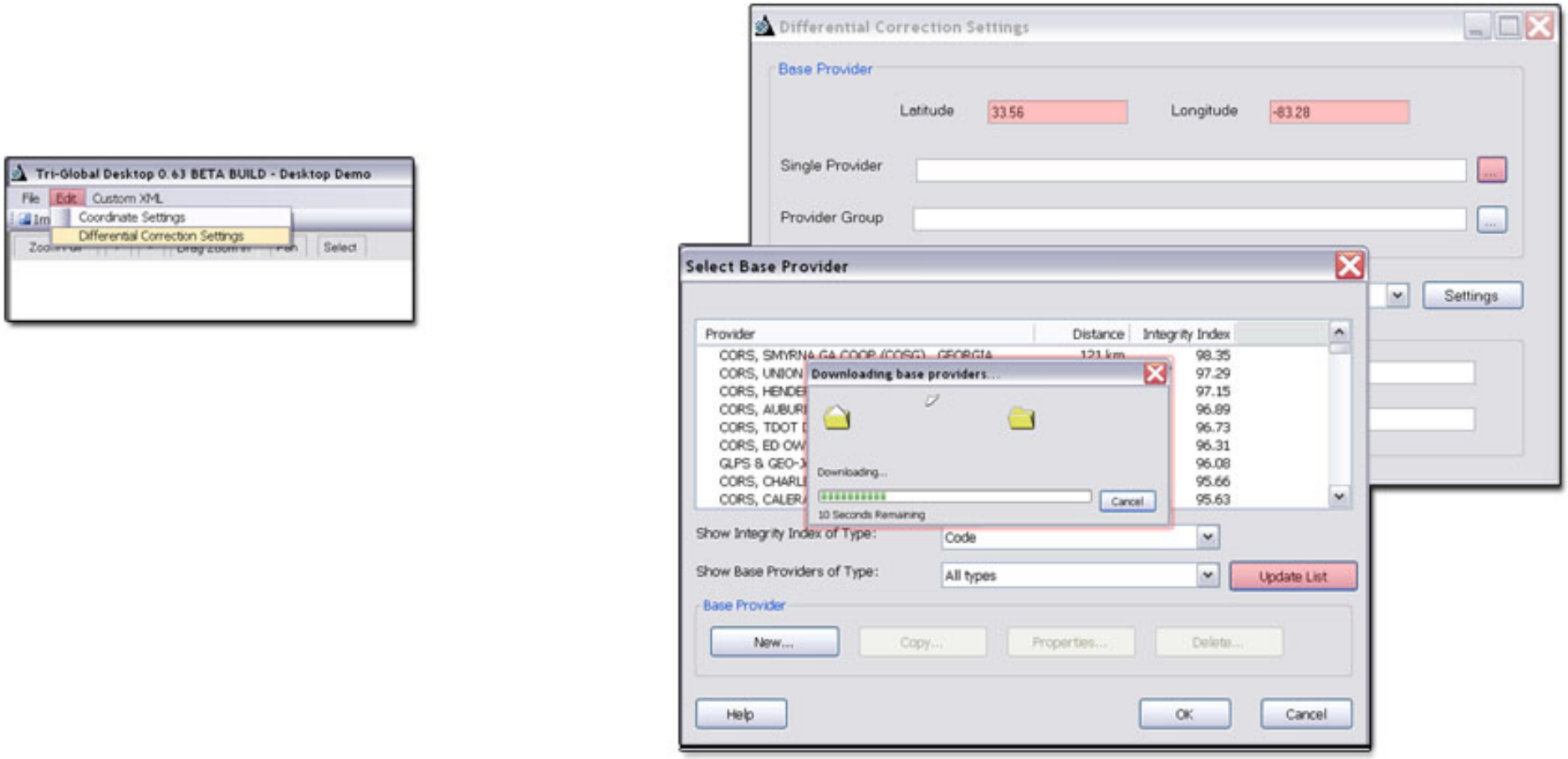
How to Apply Differential Correction to your Data

Once you have imported your data into the desktop you can setup and apply a differential correction to your data. ***Please note differential correction requires GPS Pathfinder® Office. For more information on Pathfinder Office contact Tri-Global Technologies.** To begin the process of differential correction, click on the **EDIT** tab and select **DIFFERENTIAL CORRECTION SETTINGS**. In the differential correction settings box enter in a rough **LAT/LON** of where your data was mapped. Please note the correct format below:

If the LAT/LON of your data is……. 33°56'43.73"N -83°28'15.21"W
The correct format will be……..33.56 -83.28
***Remember that all Longitude is (-) negative in the Western Hemisphere.**

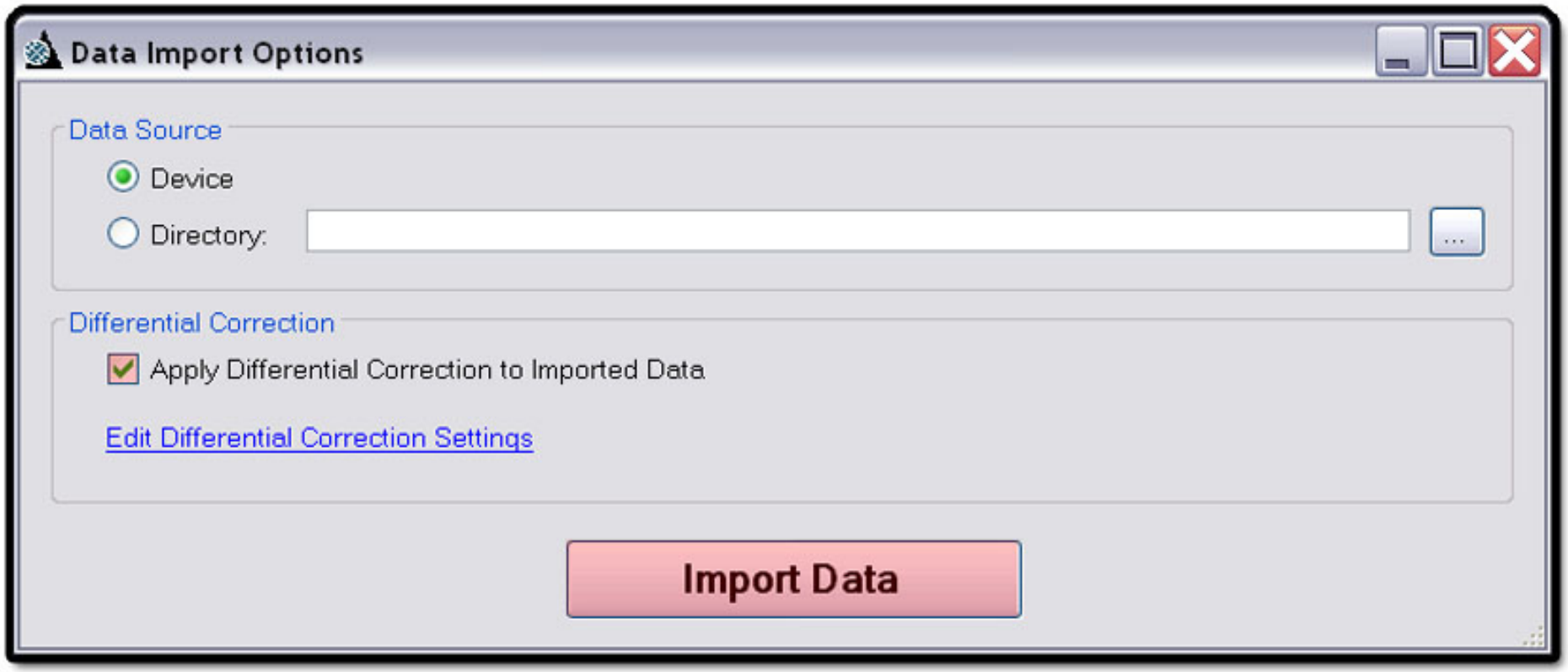
Once your **LAT/LON** values are entered click on the browse icon next to the Single Provider line. This will pop up a box of the closest base stations to your entered coordinates. It is good practice to always **UPDATE LIST** before selecting your station. Select the base station that is closest to your location and has a strong Integrity Index, then click **OK**. Click on the **X** of the Differential Correction Settings box to save your settings and exit the setup.

You may also set up a Base Provider Group in your Differential Correction Settings instead of a single base provider. Click on the browse icon next to the Provider Group line. Create a name for your group or use a previously created group and follow the steps for the single provider group.



Now that your differential corrections settings are in place click on the **APPLY DIFFERENTIAL CORRECTION** tab to begin the correction process. At this point the Pathfinder Office software automatically begins the corrections and you will see a text log and the corrections being made. Once corrected the text log disappears and you can now export your data.

You may also apply differential correction when first importing data into the desktop. After clicking Import Data and selecting your desired jobs, check the box that is labeled Apply Differential Correction to Imported Data. This will launch the correction process just like above and will apply the corrections to the data. Once complete you can export your data.



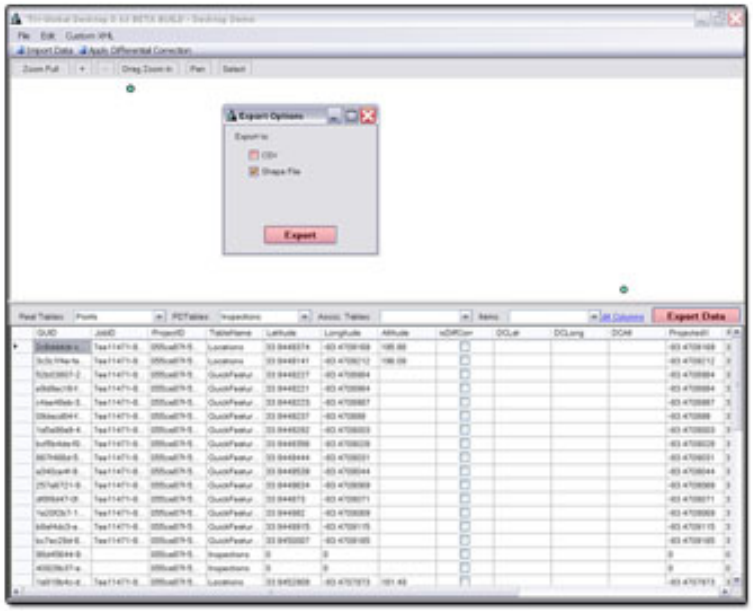
TOP of page

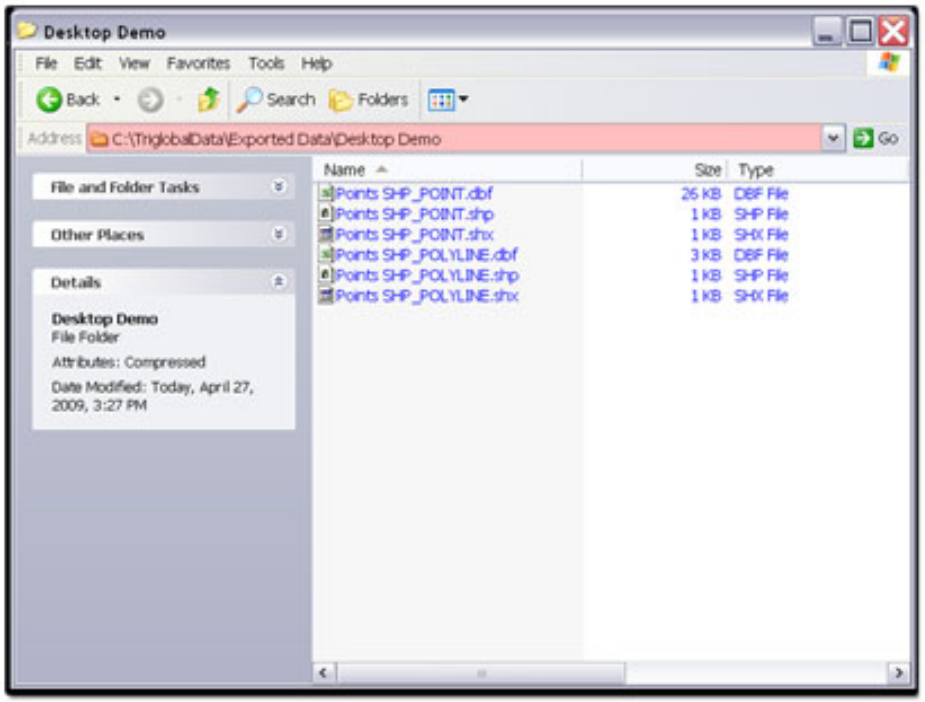
How to Export your Data from the Mobile Suite Data Veiwer

When your corrections if needed have been made you can export your data by clicking on the **EXPORT DATA** tab. You are presented with to choices Export to **CSV** (comma separated values), or Export to **SHP** (shapefile). After selecting which method you would like to use click on the **EXPORT** tab. After export is complete you are given the option to view exported data in Explorer. Choose either **YES** or **NO**.

All exported data is sent to the C:\TriGlobalData\Exported Data

Inside the Exported Data folder are folders that refer to your projects that you have created on the desktop. Select the appropriate project folder to find your data.


Export
Export Data


Desktop Demo
File Edit View Favorites Tools Help
Back Search Folders
Address C:\TriglobalData\Exported Data\Desktop Demo
Go
File and Folder Tasks
Other Places
Details
Desktop Demo
File Folder
Attributes: Compressed
Date Modified: Today, April 27, 2009, 3:27 PM
Name
Size
Type
Points SHP_POINT.dbf 26 KB DBF File
Points SHP_POINT.shp 1 KB SHP File
Points SHP_POINT.shx 1 KB SHX File
Points SHP_POLYLINE.dbf 3 KB DBF File
Points SHP_POLYLINE.shp 1 KB SHP File
Points SHP_POLYLINE.shx 1 KB SHX File

TOP of page

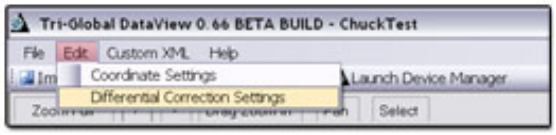
Adjusting Differential Correction and Export Settings Help File

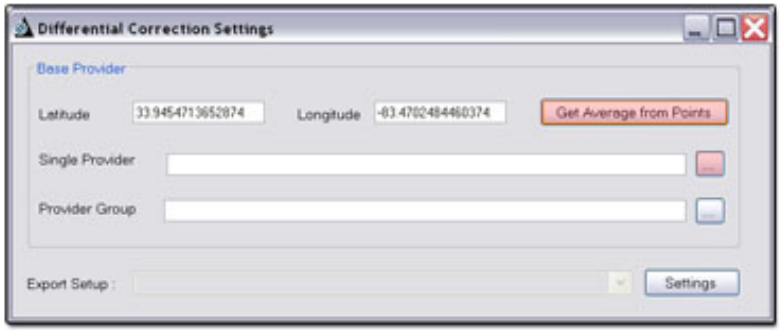
First Edition: May 14, 2009

Setting Up Differential Correction

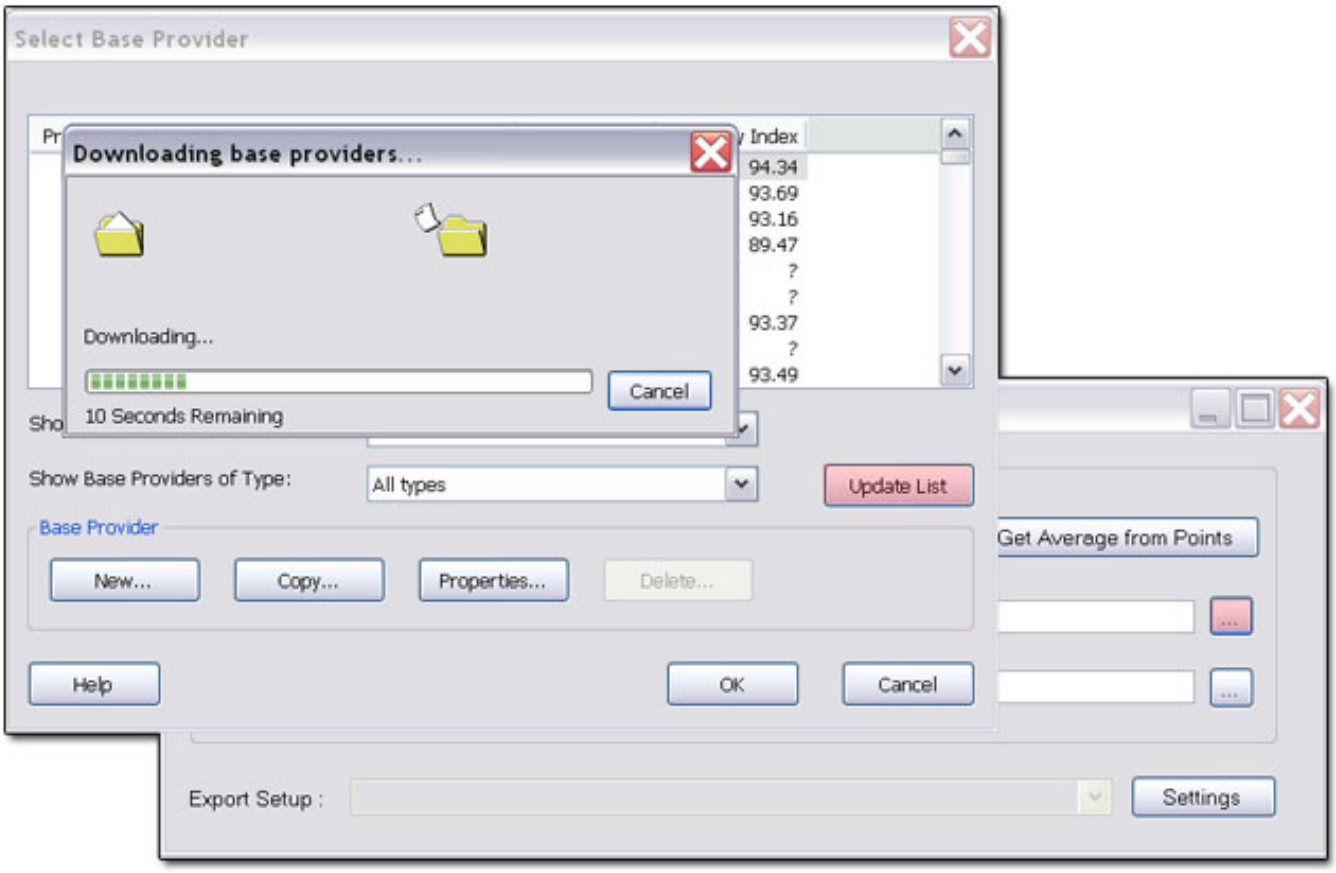
Locate the **EDIT** tab on the Data Viewer and select **DIFFERENTIAL CORRECTION SETTINGS**. In the differential correction settings
box enter in a rough **LAT/LON** of where your data was mapped.

Please note the correct format below:
If the **LAT/LON** of your data is……. **33°56'43.73"N -83°28'15.21"W**
The correct format will be……..**33.56 -83.28**
*Remember that all Longitude is **(-)** negative in the Western Hemisphere.
*Alternatively if you have already imported in data, you can select the **GET AVERAGE FROM POINTS** tab which will automatically
fill in the lat/lon for you.





Next select a **SINGLE BASE PROVIDER** for all data **not collected with a XH type receiver**. (Nomad, GeoXM, GeoXT, Pathfinder ProXT)
Select a **BASE PROVIDER GROUP** for all data collected **with an XH type receiver.** (GeoXH, ProXH, ProXRT)
It is good practice to always **UPDATE LIST** before selecting a base station. Once you have found your base station(s) click **OK** to proceed.

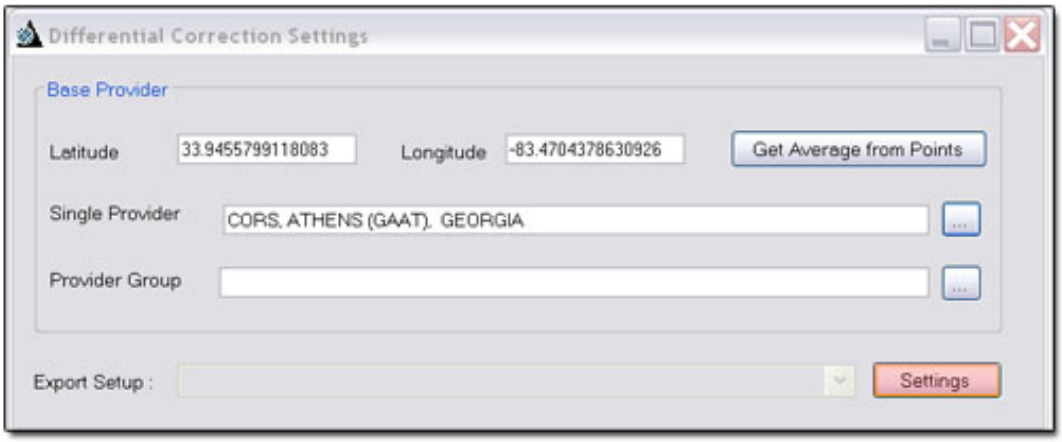


Select a base station(s)that has the best integrity index, but is also close to where you mapped.

TOP OF PAGE

Configuring Export Settings

Next click the **SETTINGS** tab located next to the **EXPORT SETUP**.



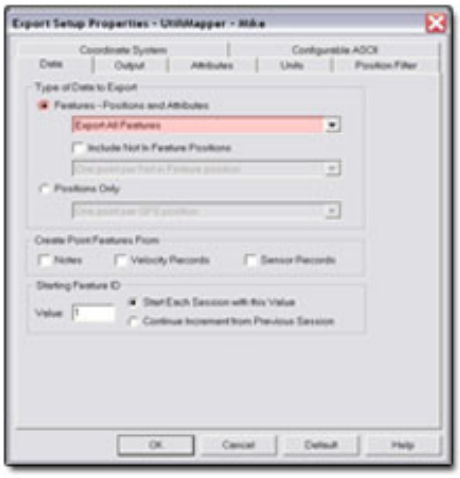
In the **EXPORT SETUP PROPERTIES** box you will see **7** tabs. They are DATA, OUTPUT, ATTRIBUTES, UNITS, POSITION

FILTER, COORDINATE SYSTEM, and CONFIGURABLE ASCII. The properties for the Export Setup have to be setup as shown below,
or the imported data will not post process correctly.

DATA: For **TYPE OF DATA TO EXPORT** make sure “Features- Positions and Attributes” is selected.

OUTPUT: For **OUTPUT FILES** make sure “For each input file create output sub folder(s) of the same name” is selected. And for the **SYSTEM FILE FORMAT** “DOS files” is selected.

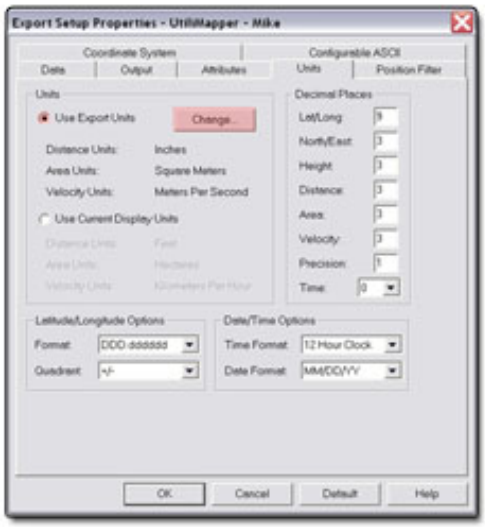
ATTRIBUTES: For **EXPORT MENU ATTRIBUTES AS**, select “Attribute Value”. For **GENERAL ATTRIBUTES** you can pick and
choose what you would like to Export. Tri-Global recommends selecting at least the PDOP, HDOP,CORRECTION STATUS, RECEIVER TYPE, VERTICLE PRECISION, and HORIZONTAL PRECISION.

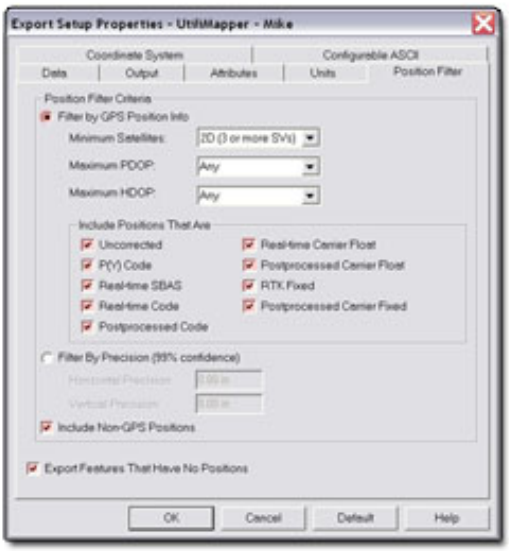


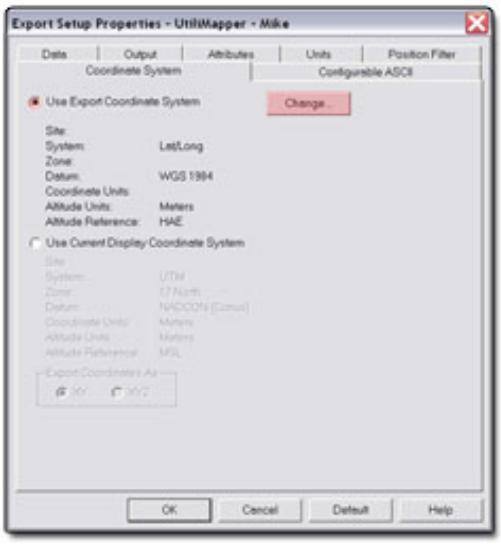
UNITS: For **UNITS** select “Use Export Units”. Click the **CHANGE** tab next to this selection to change your export unit settings
if needed.

POSITION FILTER: For **POSITION FILTER CRITERIA** select “Filter by GPS Position Info”. You may select or unselect any of
the check boxes under the section “Include Positions That Are”.

COORDINATE SYSTEM: Select “Use Export Coordinate System” and make sure that the system is **LAT/LON** and you have a **LAT/LON** datum. Use the **CHANGE** tab to make any changes necessary.



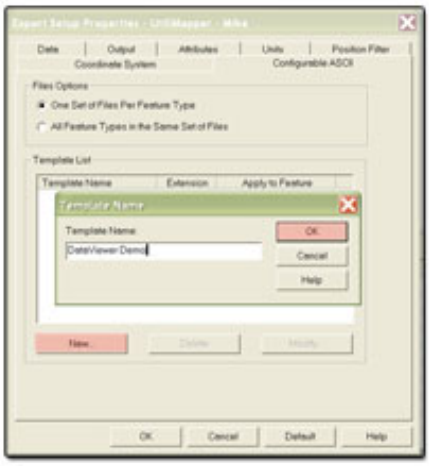


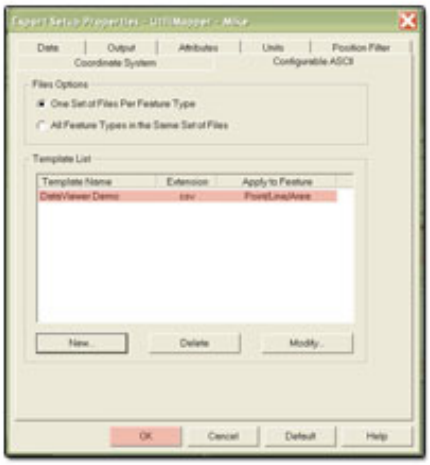


TOP OF PAGE

Setting Up a Configurable ASCII file

CONFIGURABLE ASCII: For the **FILES OPTION** select “One set of Files per Feature Type”. For setup of the actual ASCII click
on the **NEW** tab, and name your template. The **OUTPUT FILE EXTENSION** needs to be CSV. Make sure the“Use Template as Heading”
box is checked. The **FIELD FORMAT** needs to be “Delimited”. Now click the ATTRIBUTES, HAE, LONGITUDE, and LATITUDE
tabs to fill out your template. Click **OK** to save your template. Click **OK** again to save and exit your Export Setup Properties.





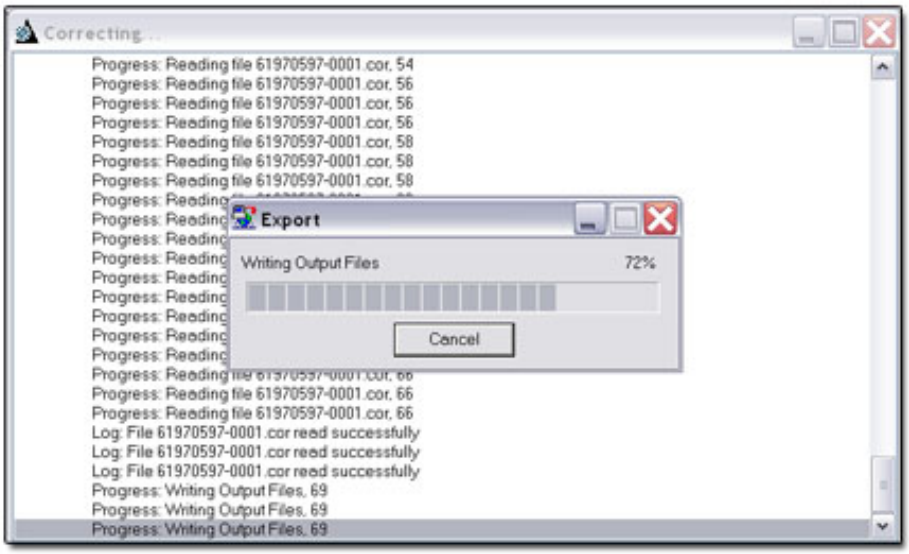
Click the **X** to save and exit your Differential Correction Settings.

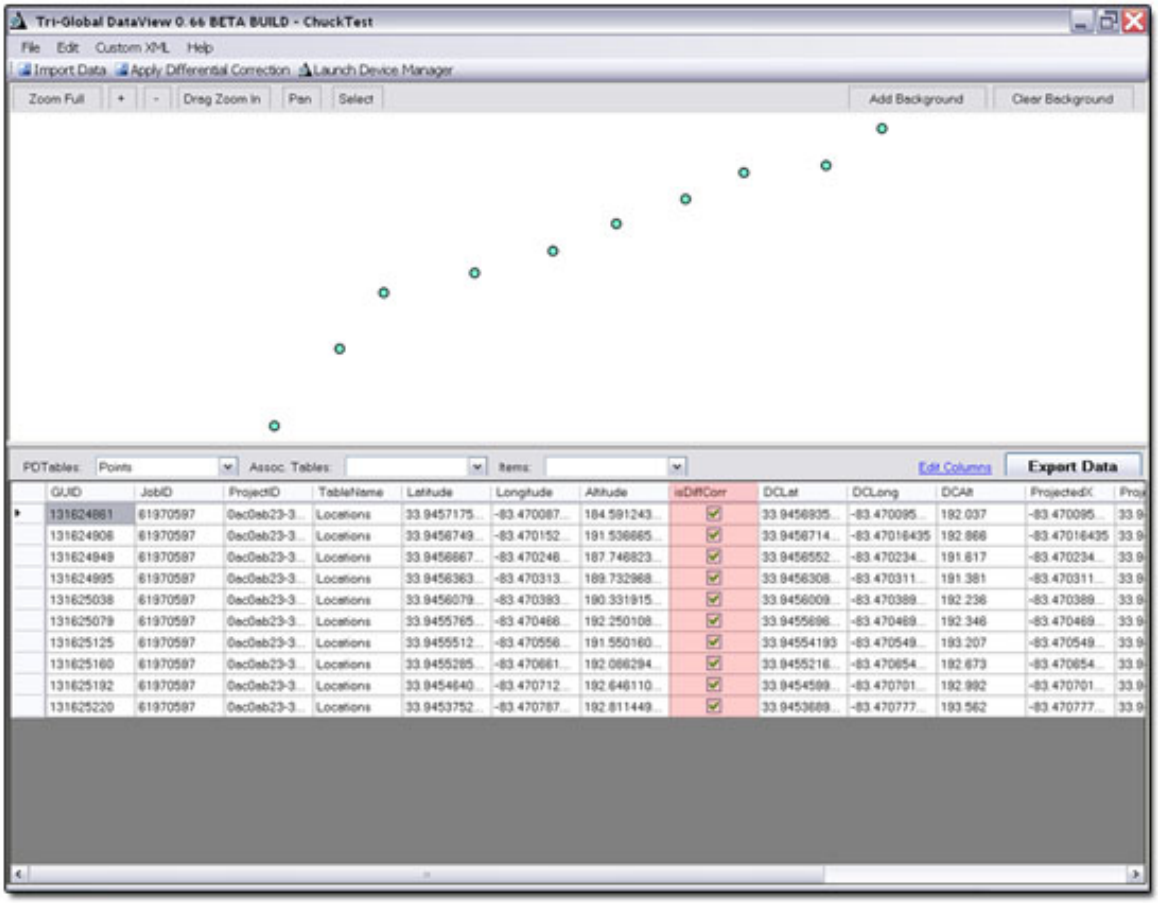
TOP OF PAGE

Applying Differential Corrections to Data

Now that your Export and Differential Corrections have been adjusted and saved you can now apply the corrections to your data.
Click on the **APPLY DIFFERENTIAL CORRECTION** tab at the top of the Data ViewerS to begin the process. You will see a text log appear
displaying the correction process. Once completed, you can see that the corrections have been made in the data table at the
bottom of the viewer.


Tri-Global DataView 0.66 BETA BUILD - ChuckTest
File Edit Custom XML Help
Import Data
Apply Differential Correction
Launch Device Manager
Zoom Full
+
-
Drag Zoom In
Pan
Select


Correcting...
Progress: Reading file 61970597-0001.cor, 54
Progress: Reading file 61970597-0001.cor, 56
Progress: Reading file 61970597-0001.cor, 56
Progress: Reading file 61970597-0001.cor, 56
Progress: Reading file 61970597-0001.cor, 58
Progress: Reading file 61970597-0001.cor, 58
Progress: Reading file 61970597-0001.cor, 58
Export
Writing Output Files
72%
Cancel
Progress: Reading file 61970597-0001.cor, 66
Progress: Reading file 61970597-0001.cor, 66
Progress: Reading file 61970597-0001.cor, 66
Log: File 61970597-0001.cor read successfully
Log: File 61970597-0001.cor read successfully
Log: File 61970597-0001.cor read successfully
Progress: Writing Output Files, 69
Progress: Writing Output Files, 69
Progress: Writing Output Files, 69


Tri-Global DataView 0.66 BETA BUILD - ChuckTest
File Edit Custom XML Help
Import Data
Apply Differential Correction
Launch Device Manager
Zoom Full
+
-
Drag Zoom In
Pan
Select
Add Background
Clear Background
PDTables:
Points
Assoc. Tables:
Items:
Edit Columns
Export Data
GUID
JobID
ProjectID
TableName
Latitude
Longitude
Altitude
isDiffCorr
DCLat
DCLong
DCAlt
ProjectedX

TOP OF PAGE
