



Configuring Esri's Collector 10.4 on iOS with your Arrow receiver

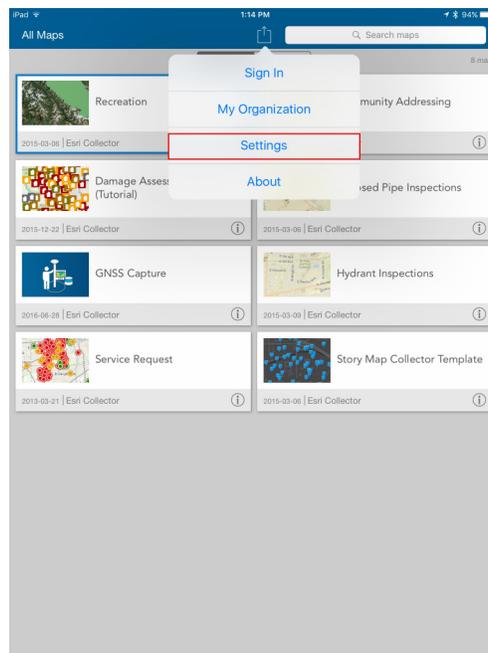
Before the first step, make sure that you have initially paired your Arrow with your iOS device. If not, we suggest you to download our Quick Setup guide from our website.

Click here for the direct link to the Arrow Quick Setup guide:

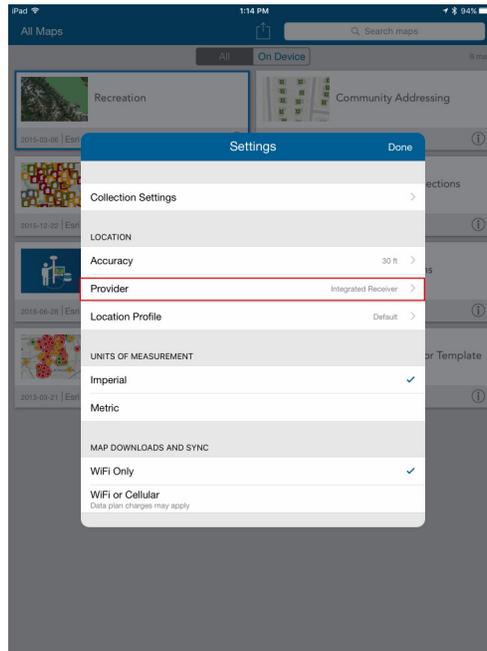
http://www.eos-gnss.com/wp-content/uploads/2015/10/Arrow-Series-Quick-Start-Guide_Rev1.1.pdf

1 - Adding your Arrow receiver in Collector 10.4

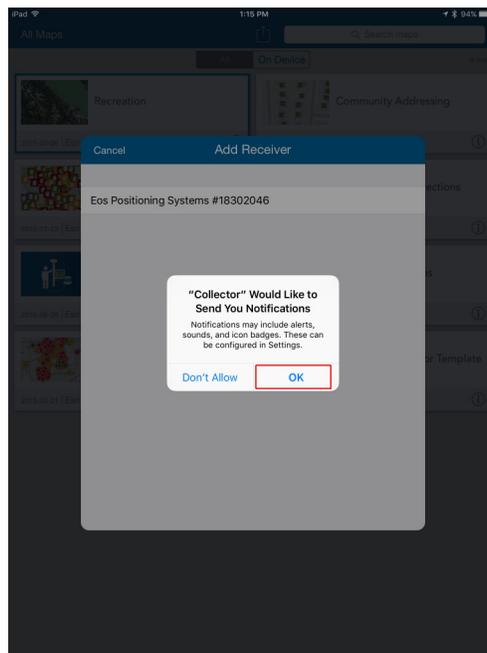
Open Collector 10.4 and click on the Menu icon on the top middle of the window and then select **Settings**:



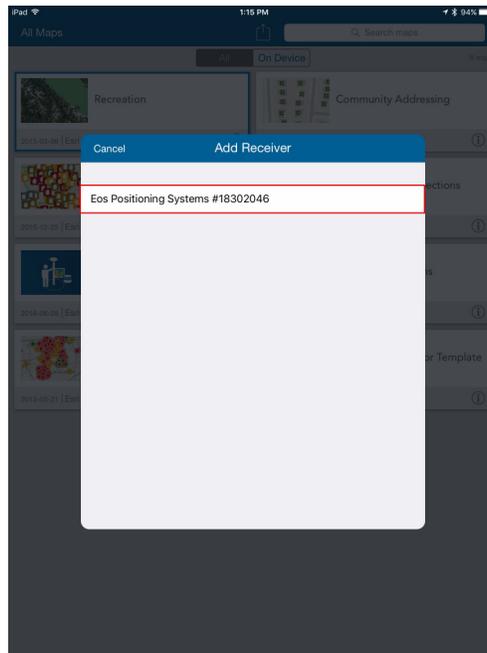
From the Settings window, click on **Provider**:



If a notification windows appears, click **OK**:

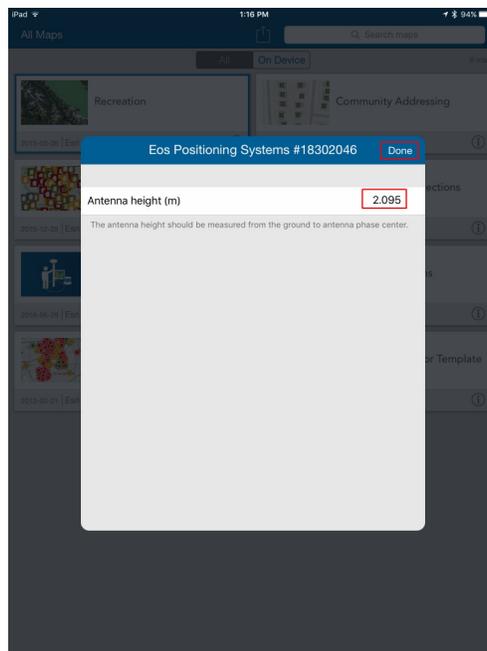


Click on the “+” button and select your Arrow receiver from the list and add it:



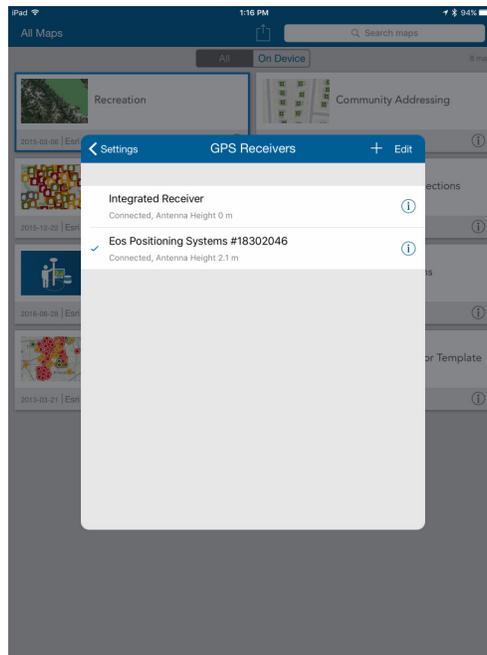
2- Entering your antenna height in Collector

Enter your Antenna height and click on **Done**:



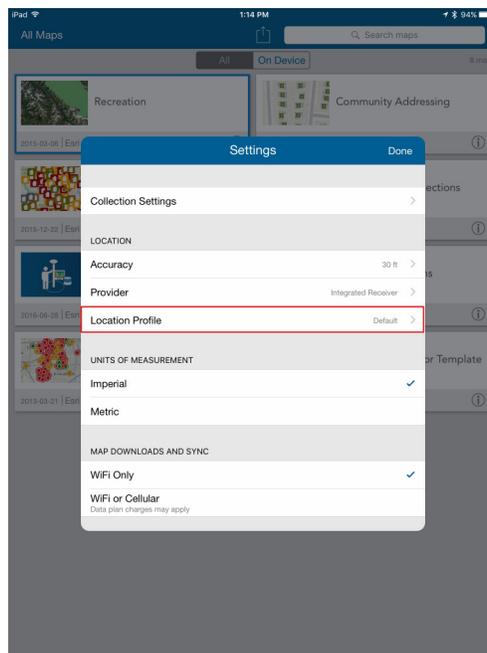
Note: If the elevation is irrelevant for your job, you can leave this blank. If you are doing RTK data collection, and your application requires elevation measurements, then enter an antenna height, taking into account the pole height, the antenna mounting plate and the antenna phase center offset.

Collector should now be using your Arrow receiver position instead of the internal location of your iOS device (make sure you there is a green check mark besides your Arrow receiver):



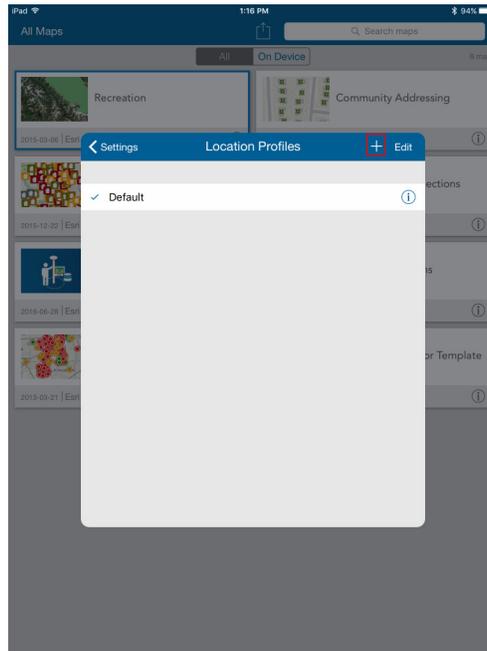
3- Configuring your Location Profile (Datum transformation)

Location Profile allows you to setup on-the-fly datum transformations. While in the Settings window, click on **Location Profile**:

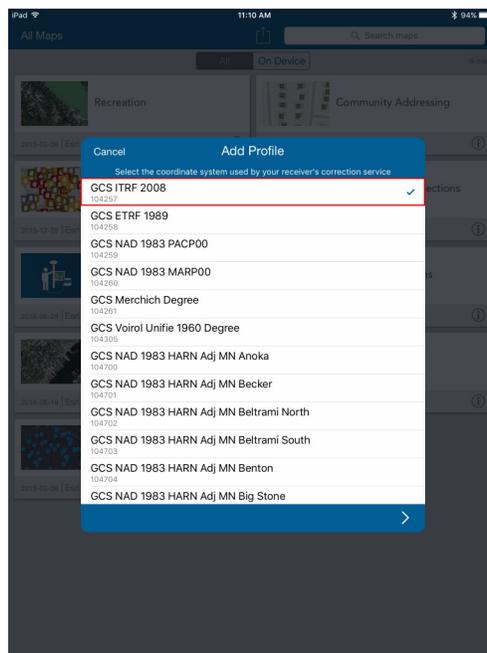


Note: The default coordinate system for the receiver is set to WGS 1984.

Click on the “+” button to add a new profile:

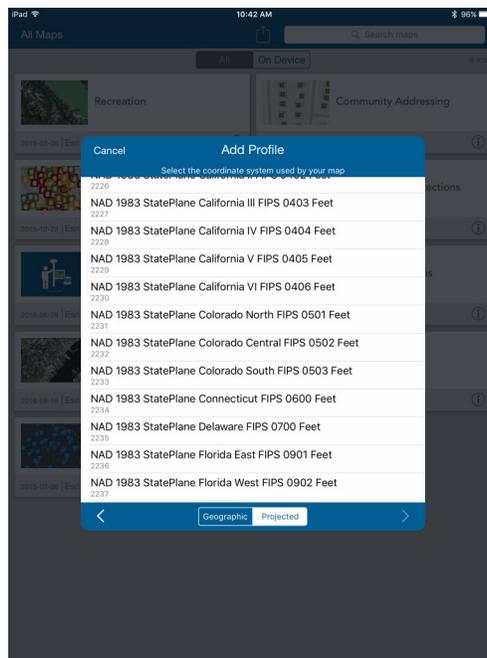


If you are using SBAS (WAAS, EGNOS, MSAS, GAGAN) as your source of differential correction, make sure you choose ITRF 2008 as the coordinate system use by the Arrow:

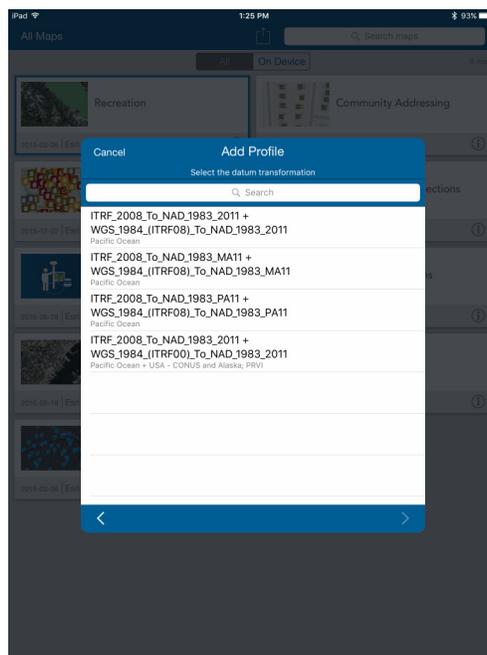


Note: If you are connected to an RTK network, the position output by the Arrow to collector will be in the same datum as the RTK network (for example: NAD 83 2011 usually in the US). Therefore it is important that you ask your RTK network provider for the datum information before creating your profile.

Next, select the coordinate system of the map that you will be using,

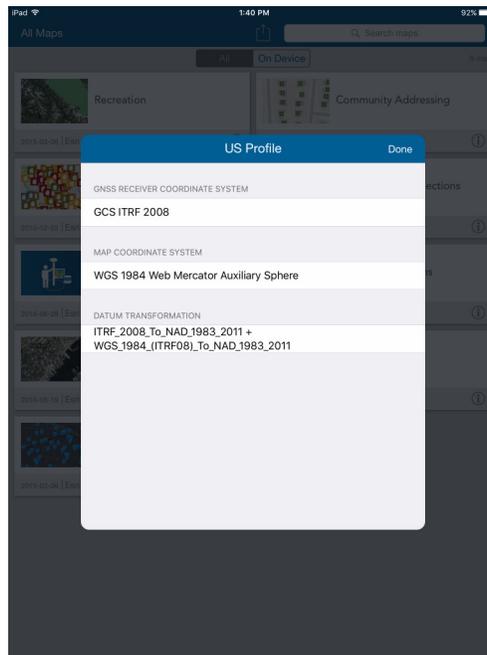


followed by the datum that your published map is in.

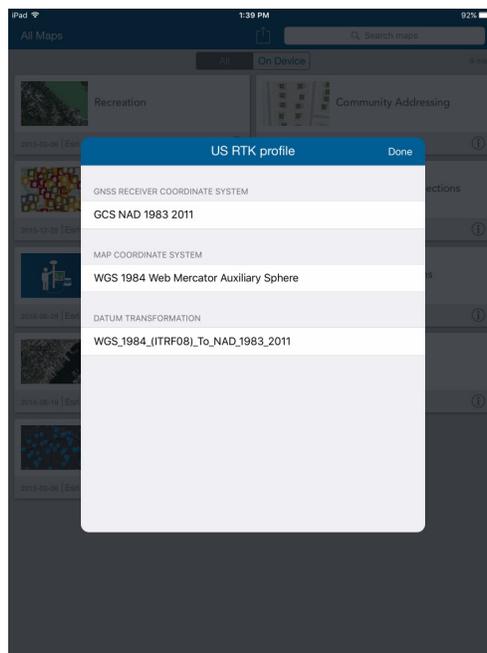


Below you can see two typical configurations, one with the SBAS and the other with RTK correction assuming that NAD83 2011 is the datum of the map and of the RTK network:

US Profile (using SBAS/WAAS correction):

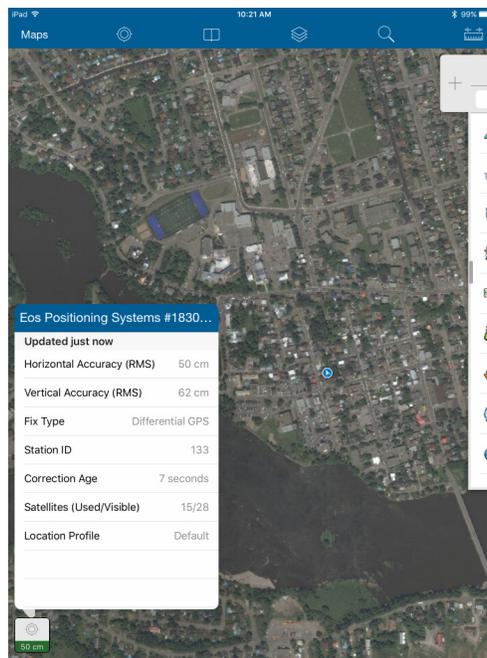


US RTK Profile (Arrow receiving corrections from an RTK network):



Note: Please confirm your published map coordinate system/datum with your GIS department.

As a final step, go back to the map view and confirm that you are connected to your Arrow receiver, by clicking on the Location icon at the bottom left of the screen. You should see valuable metadata from the Arrow (HRMS, VRMS, Fix Type, Sats used visible, ect...) as shown below:



Collector allows you to record the GNSS metadata along with the collected features. Refer to Esri's documentation on Collector on how to setup your database for data collection.

You are now ready to collect data in the field!