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Pairing the Asteri GNSS receiver to Milsoft FieldSyte powered by RC Map Engine on iOS

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Table of Contents

Recommended Reading

- Pairing the Asteri

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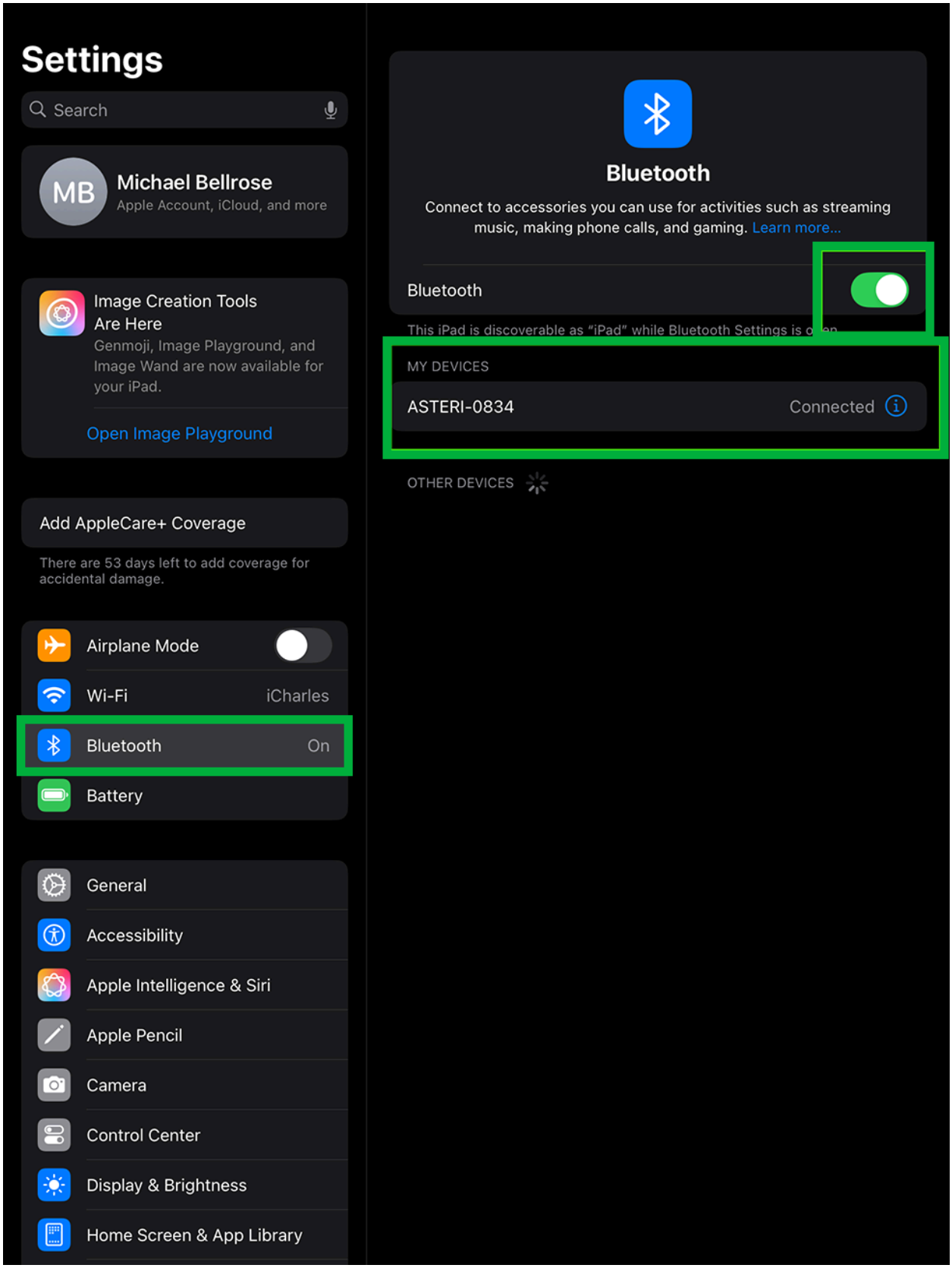
Device and Software versions used:

- Asteri X4i GNSS Receiver
- iPad Pro
- iOS version 18.3.2
- Milsoft FieldSyte version 3.2.8

Initial Pairing to the iOS device

1. Turn on the Asteri receiver and place in clear view of the sky before you begin pairing to your iOS device.
2. On your iOS device go into the **MAIN SETTINGS** and ensure Bluetooth is **ON**.
3. Look for "**ASTERI-(last 4 digits of the serial number)**" in the list of Available Devices, and select it to connect.
4. It should now say "**CONNECTED**" next to the receiver name.



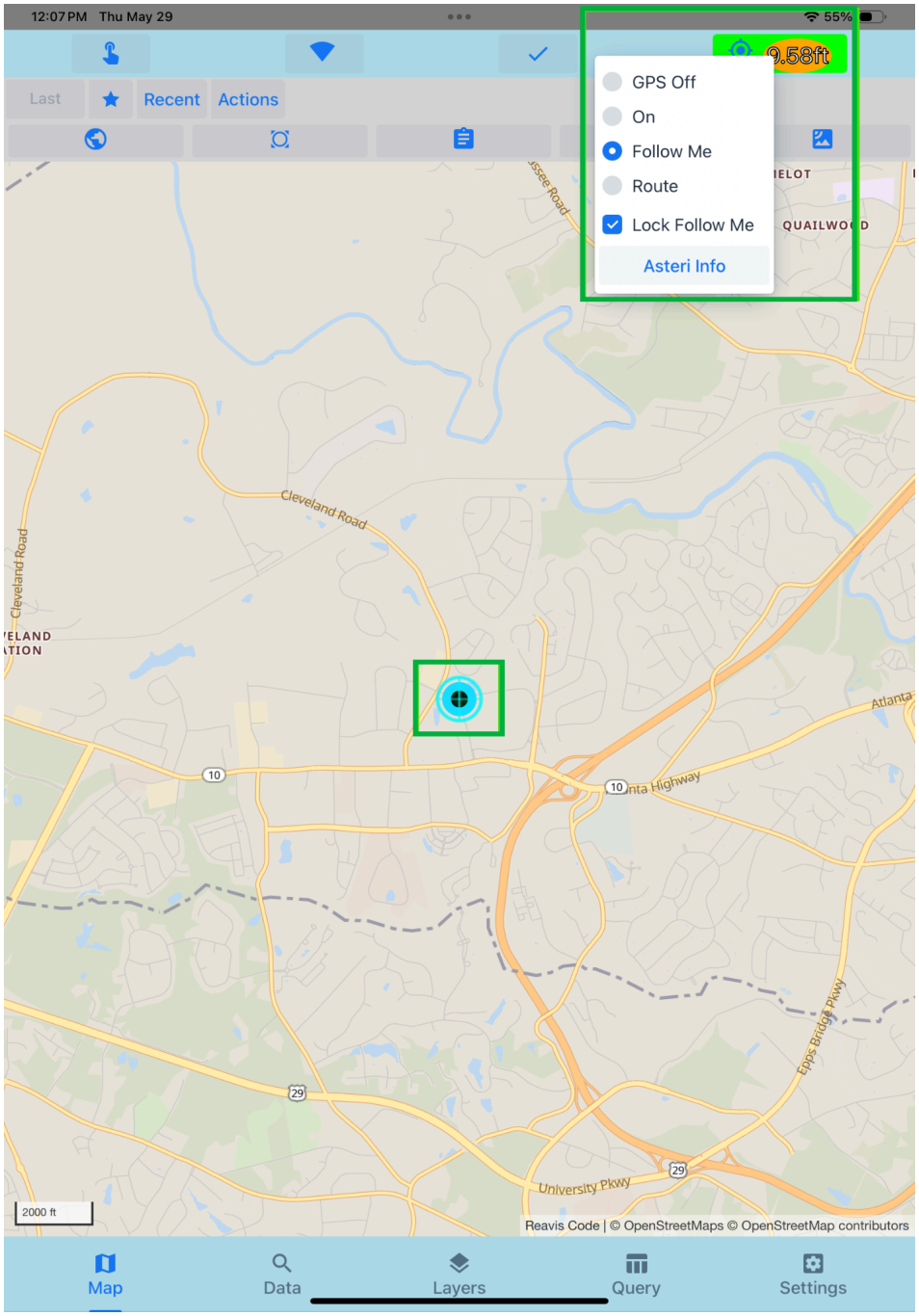
General Settings menu on an iOS device showing Bluetooth is on and the Asteri device is connected.

Utilizing Asteri GNSS within FieldSyte

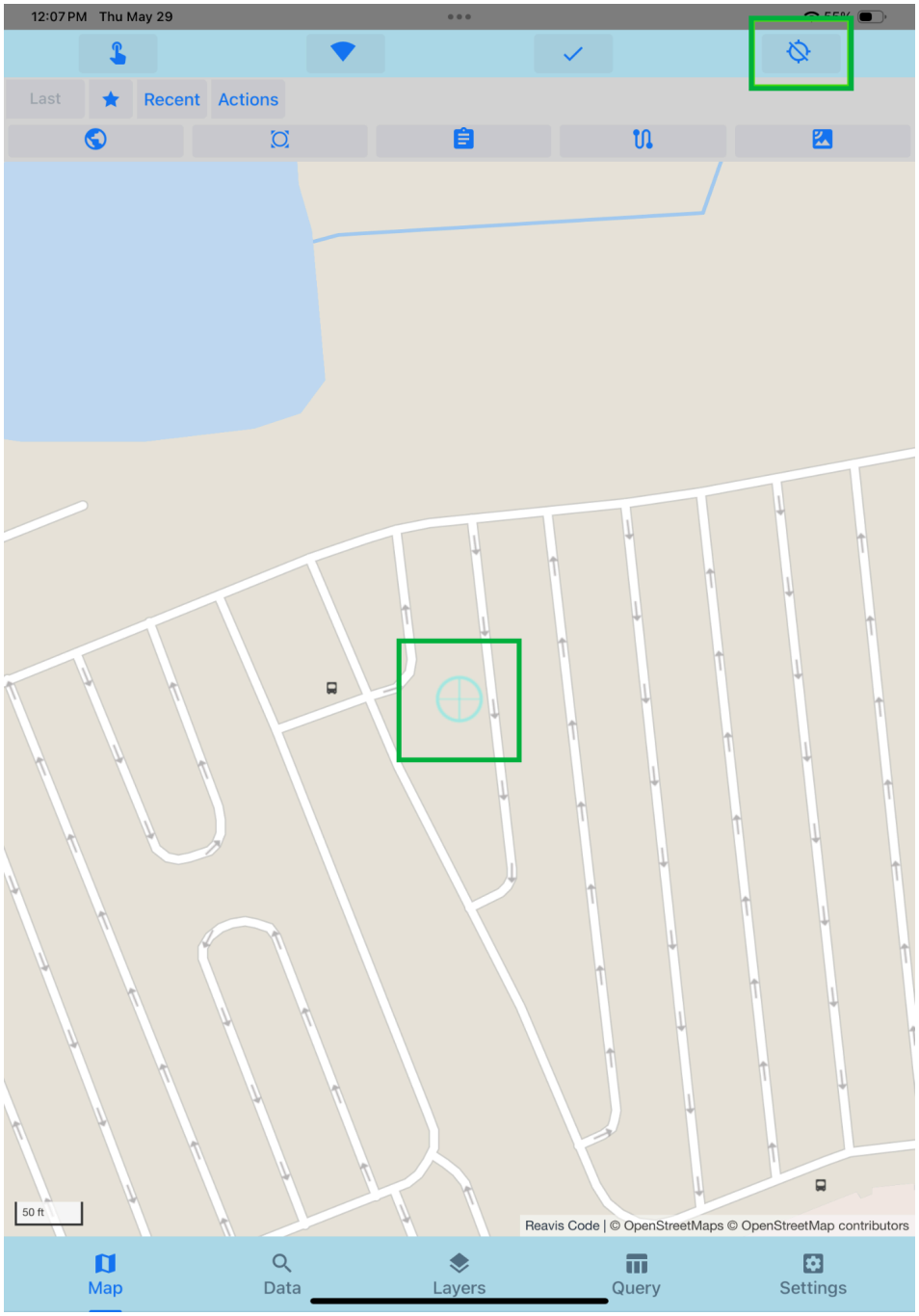
1. Launch FieldSyte and sign in if needed.
2. FieldSyte will automatically see the Asteri and begin tracking GPS.

If GPS is currently **OFF** inside of FieldSyte, simply click on the GPS icon to activate.

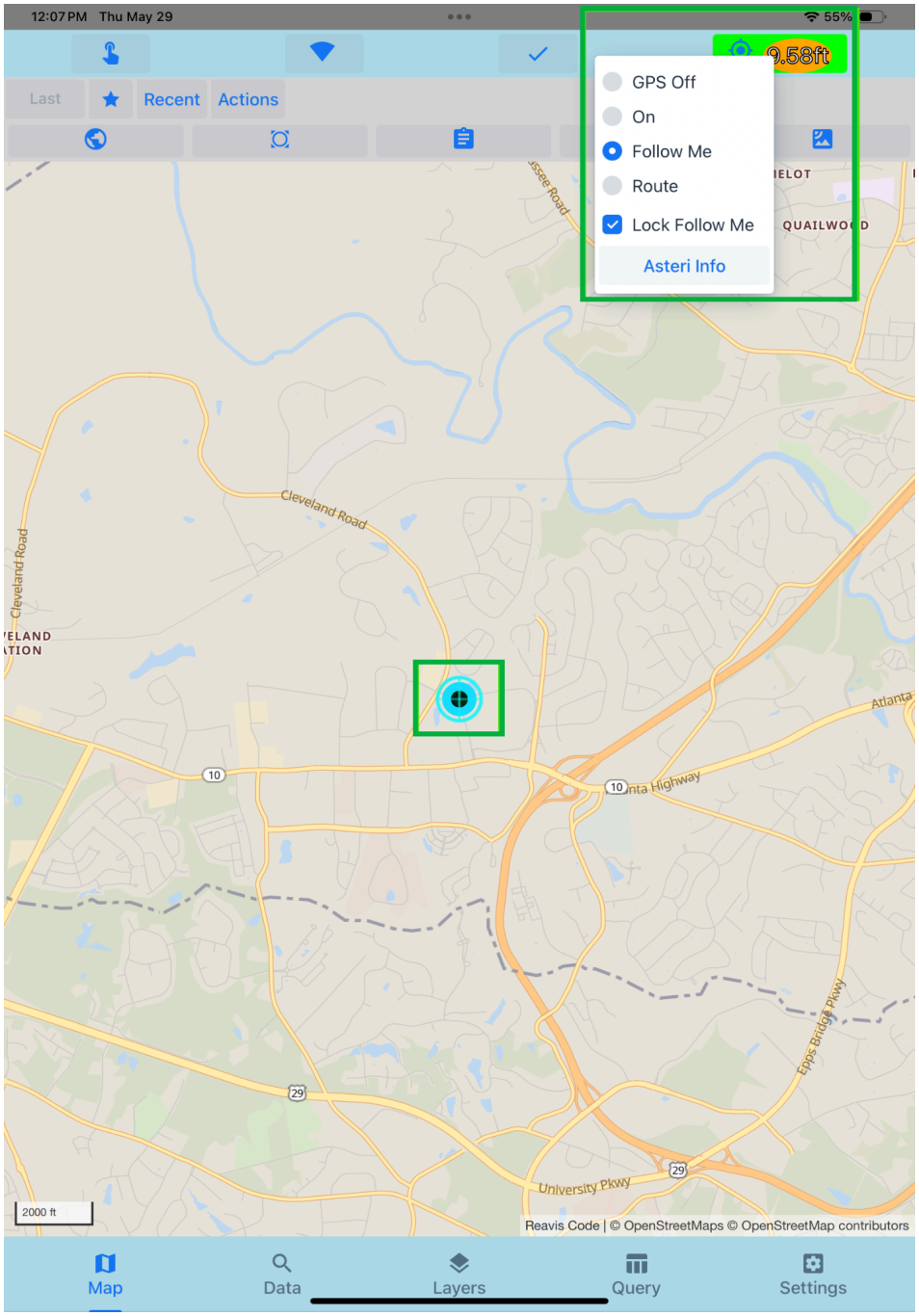
Long press on the GPS icon to activate the GPS menu and Asteri Info screen.



Current location in Milsoft FieldSyte being acquired from the connected Asteri GNSS device.



GPS NOT Active within Milsoft FieldSyte



GPS reactivated by pressing on the GPS icon within Milsoft FieldSyte utilizing the Asteri GNSS receiver

Using Orbitas and the Asteri GNSS receiver for RTK corrections.

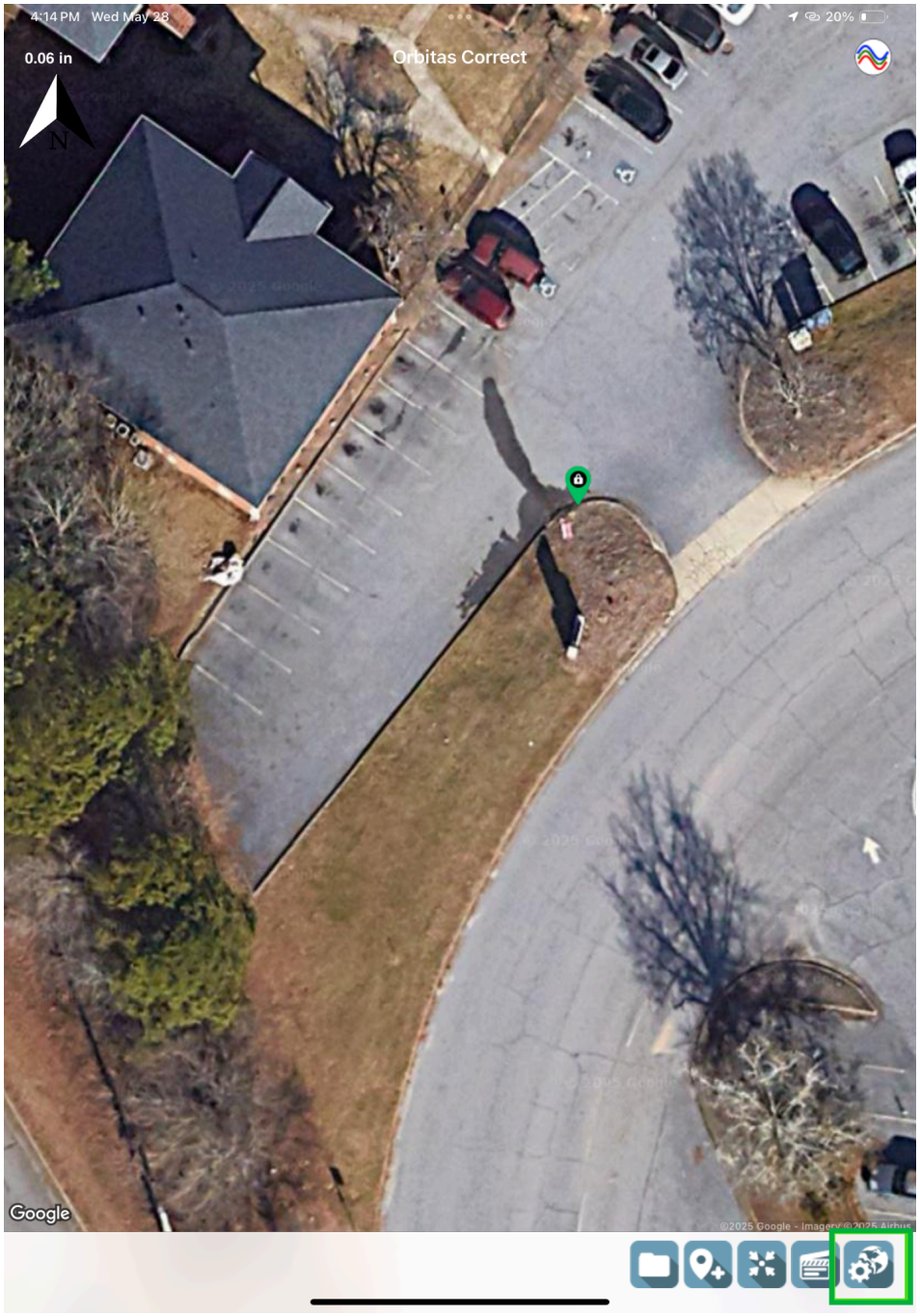
*RTK corrections require an internet connection either through wi-fi or data plan.

*Tri-Global advises setting up the RTK correction within Orbitas

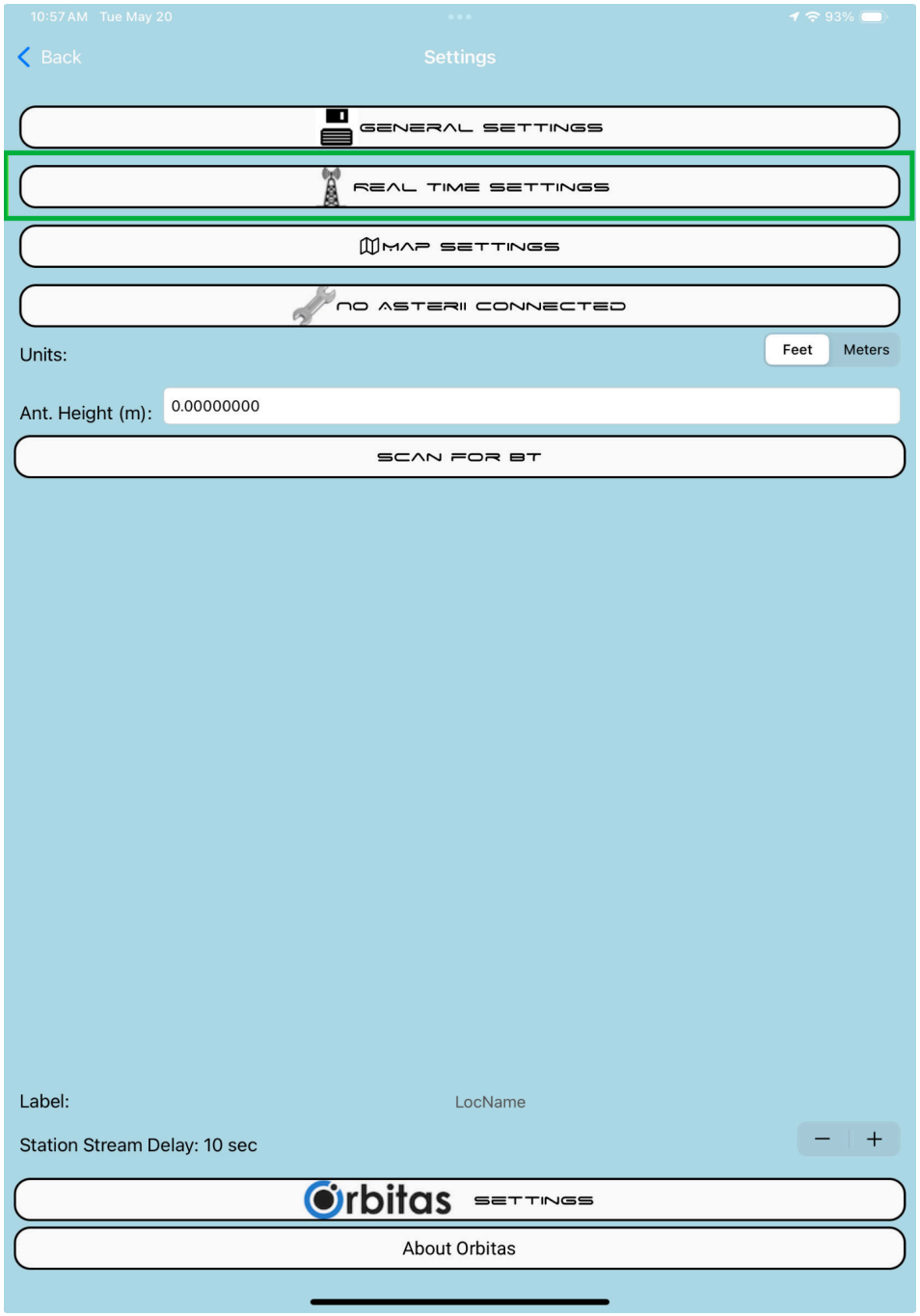
You can apply RTK correction to the Asteri GNSS receiver.

Follow the steps listed in the first section of this guide above to make sure the Asteri GNSS device is connected to the iOS device via Bluetooth.

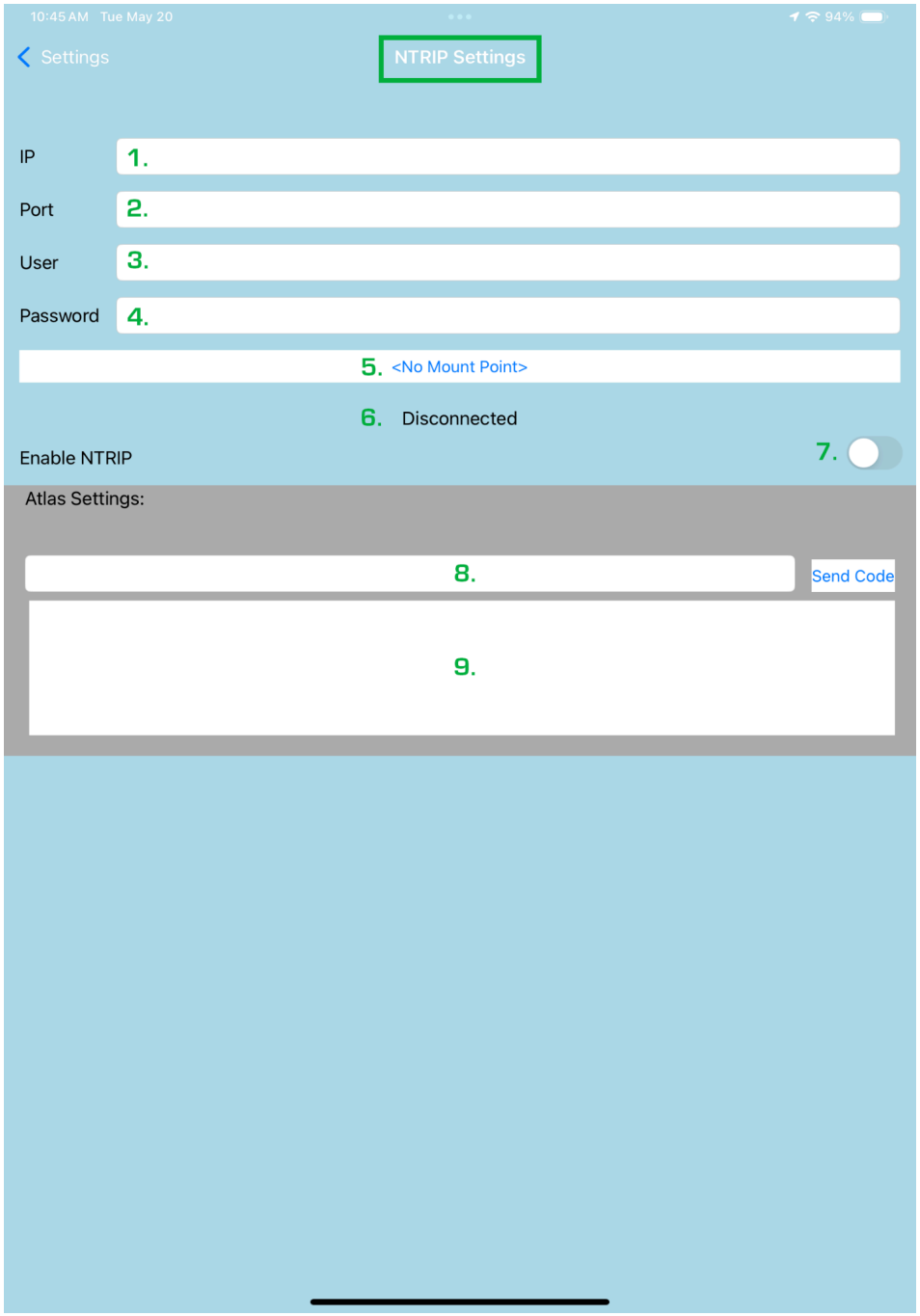
1. Launch the Orbitas on iOS app and ensure the Asteri is connected and tracking.
2. Go into the **SETTINGS** and select **REAL-TIME SETTINGS**.
3. Enter in your RTK credentials and select your mounting point.
    3.1. IP Address (address of your RTK server given by your RTK provider)
    3.2. Port (port number assigned by your RTK provider)
    3.3. User (username assigned by your RTK provider)
    3.4. Password (password assigned by your RTK provider)
    3.5. Mounting Point (available list of mounting points, refer to your RTK provider for more details)
    3.6. RTK Connection status (will state “Connected” once NTRIP is enabled)
    3.7. Enable NTRIP (turn this toggle ON once all above information has been provided)
    3.8. ATLAS / Tech code input (used for applying ATLAS correction codes)
    3.9. RTK log (return log for NMEA stream while connected to RTK correction services)



General Settings icon within Orbitas on iOS



Real Time settings within the main settings menu of Orbitas on iOS

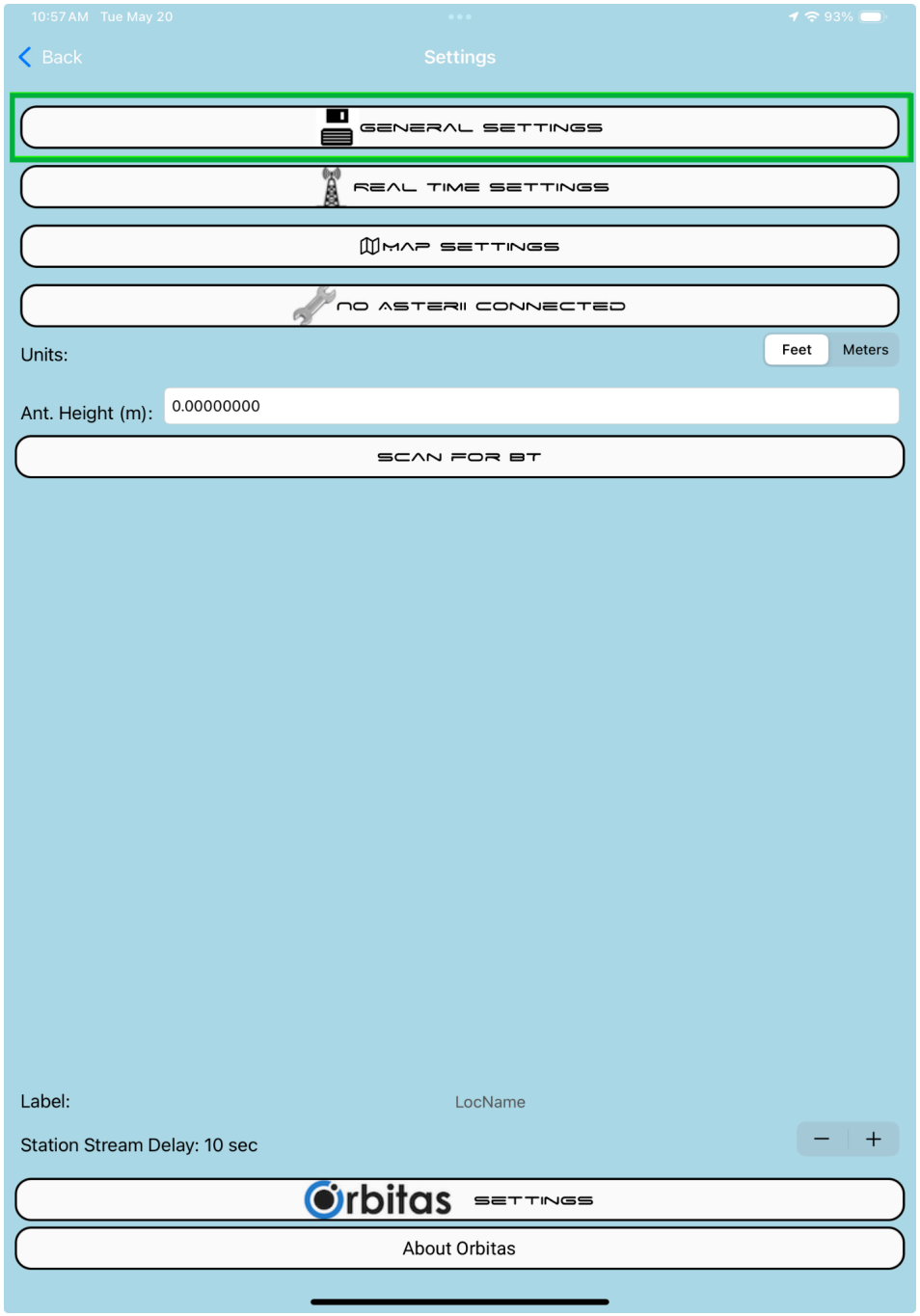


Real Time correction setup within Orbitas on iOS

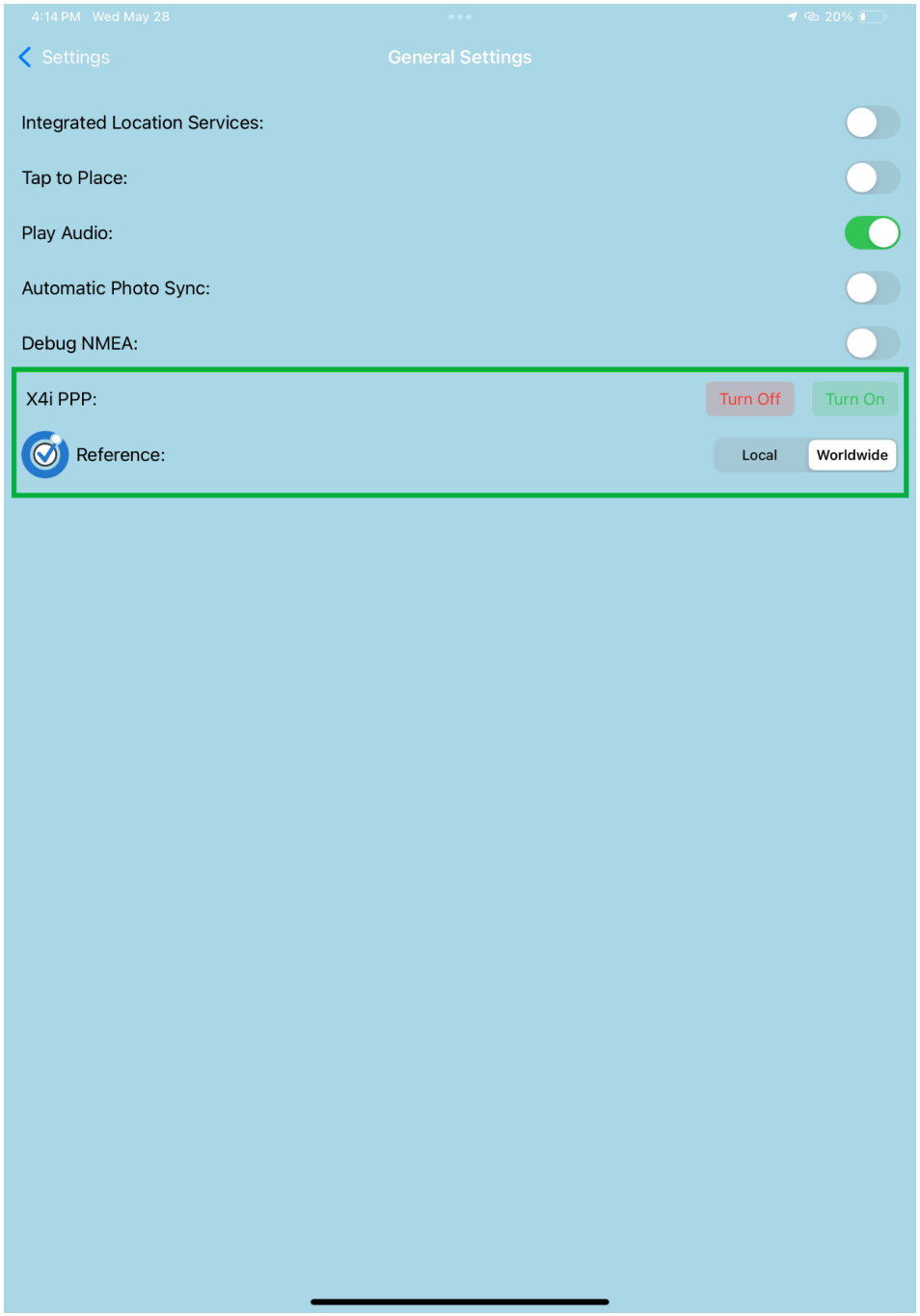
Orbitas Correct Settings

If you have an active and valid license of Orbitas Correct, Orbitas Correct will be applied automatically and there is no need to enter any credentials.

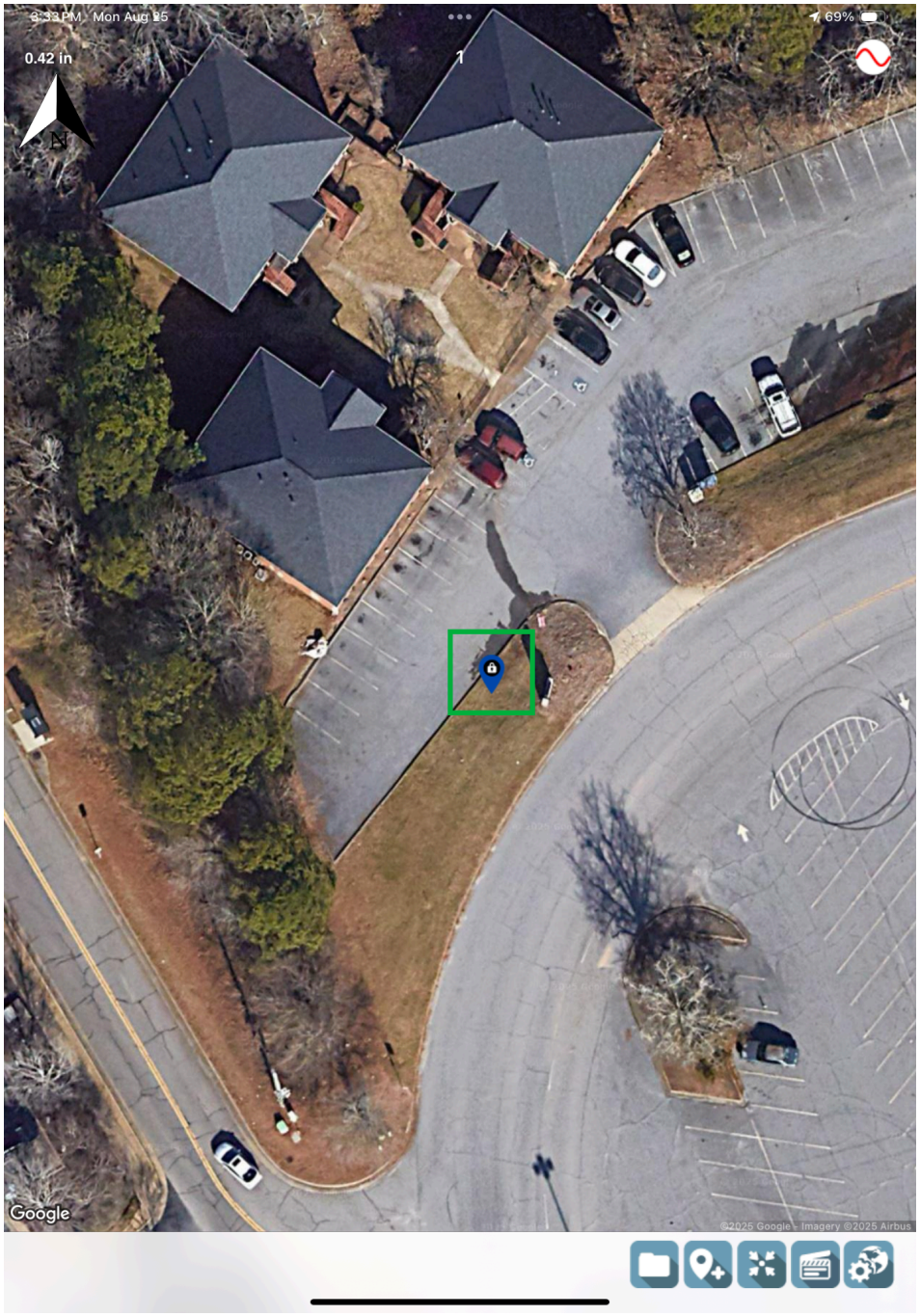
1. The default and recommended Orbitas Correct Reference is "Worldwide" (WGS84). The Local Reference is NAD83 2011 and would be used to align with data that has been collected in the NAD83 2011 reference.
2. Select if you wish to enable PPP (exclusive to the X4i) service or not. For more information on PPP refer to this article.



General Settings within Orbitas on iOS



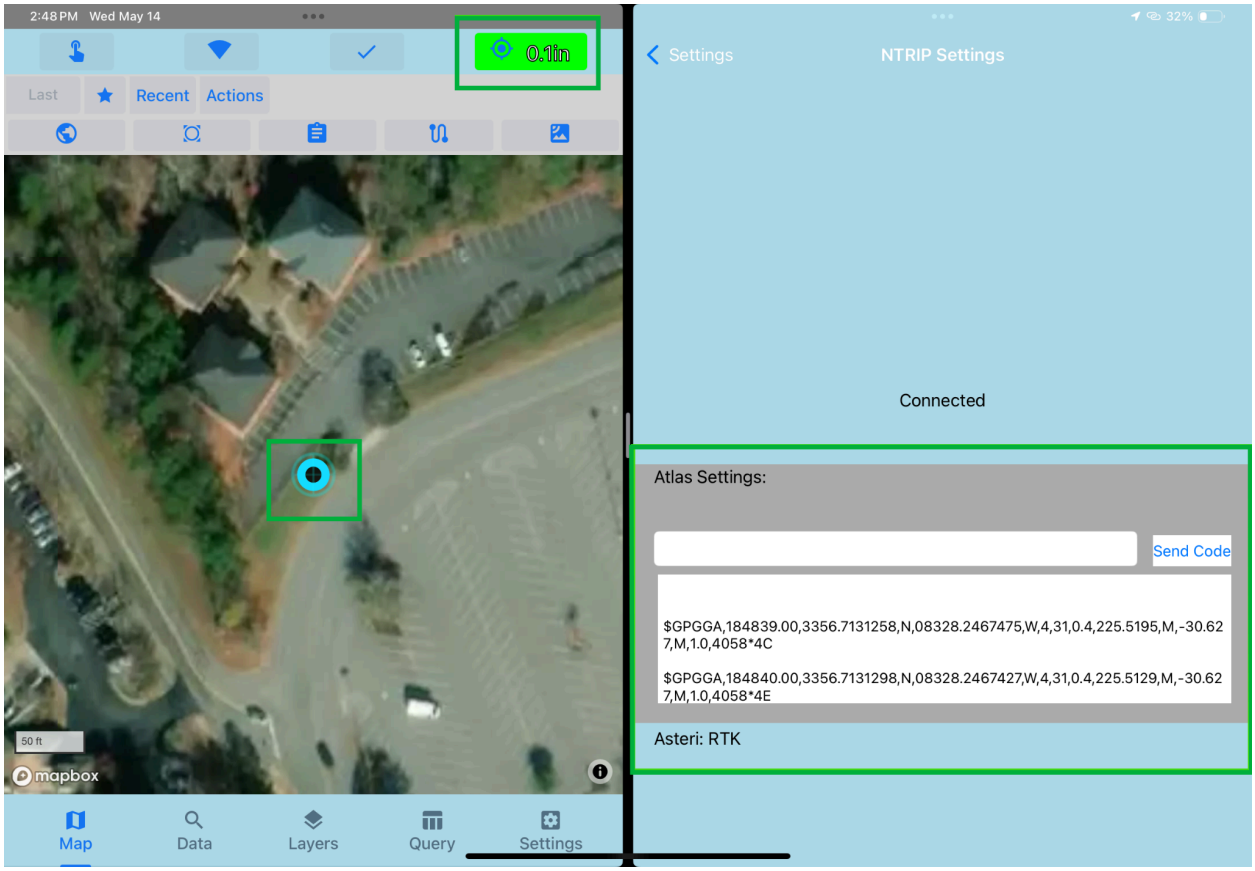
Orbitas Correct reference and PPP (X4i only) settings within Orbitas on iOS



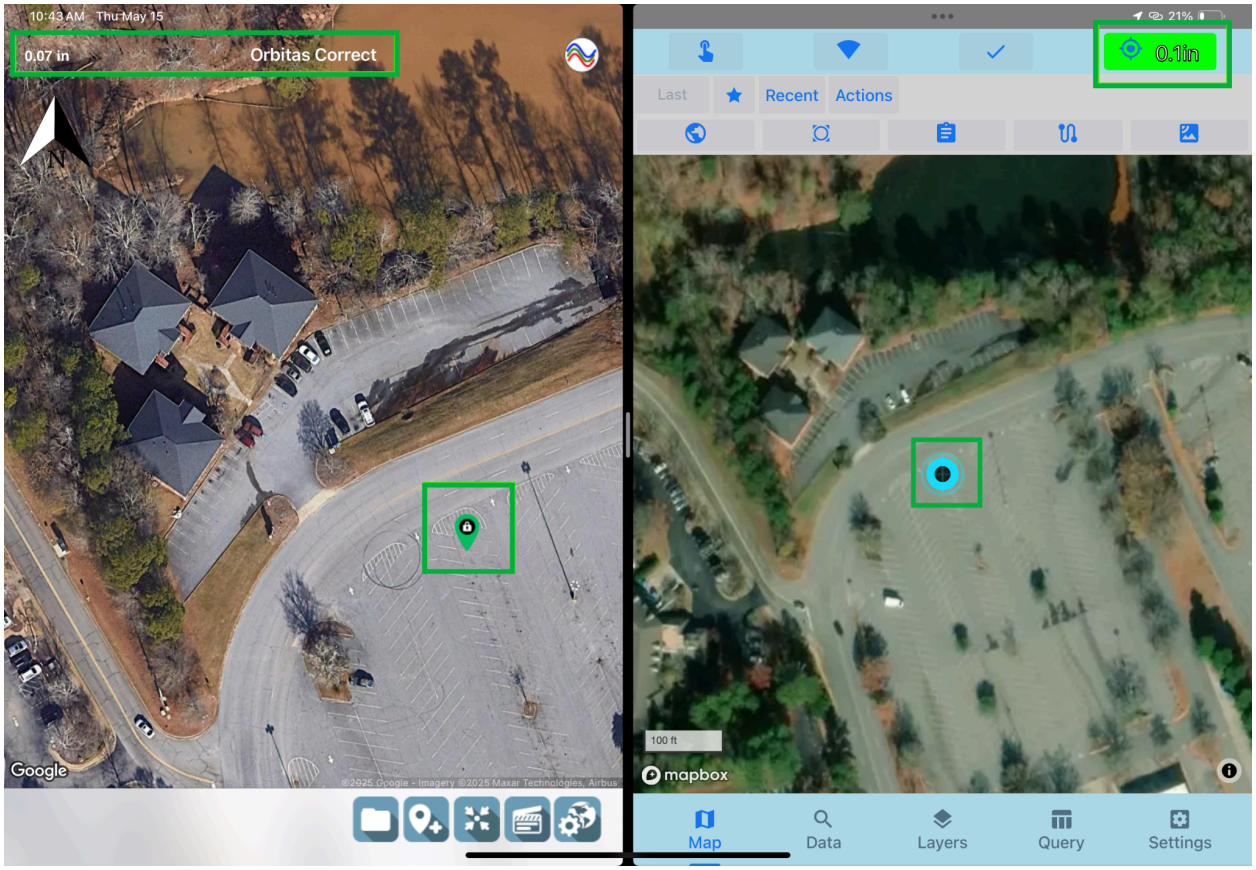
PPP option enabled on the Asteri X4i that is paired to Orbitas on iOS

Leave Orbitas open in the background to ensure consistent RTK correction.

1. Launch FieldSyte and follow the steps listed above in this guide to utilize the Asteri as before. Now RTK corrections are being applied. For more support regarding FieldSyte powered by RC Map Engine please contact your Milsoft Representative.



Milsoft FieldSyte utilizes the Asteri GNSS receiver in conjunction with Orbitas on iOS software providing RTK corrections through Orbitas Correct.



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Related Resources

- Resolving Connection Issues
- For more support regarding FieldSyte please contact your Milsoft Representative.