



Collecting 'Stop-and-Go' Data on CHC X900+ (X91+) Receiver

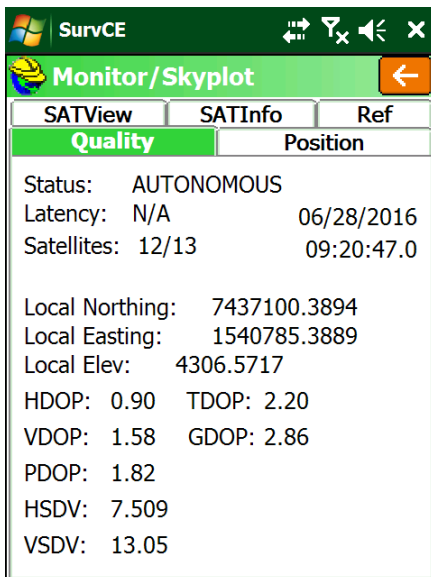
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Make sure the right hand (Yellow) LED is flashing. Either once per second or once every five seconds will be okay.

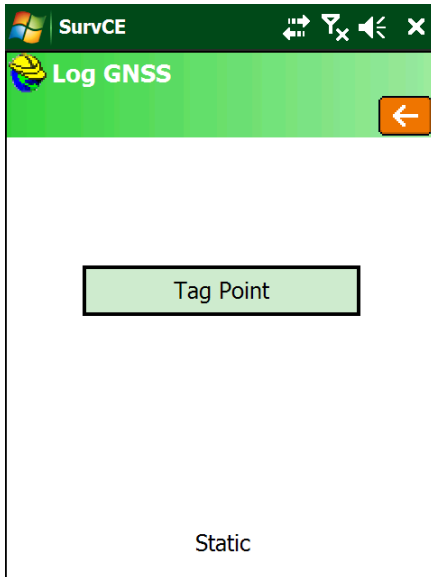
Connect to the receiver: "Equip: GPS Rover." If you are not using it as a Rover already, do the connection and select 'Internal UHF' just to make the connection to the head.

You can verify that you are connected by going to "Equip: Monitor Skyplot":

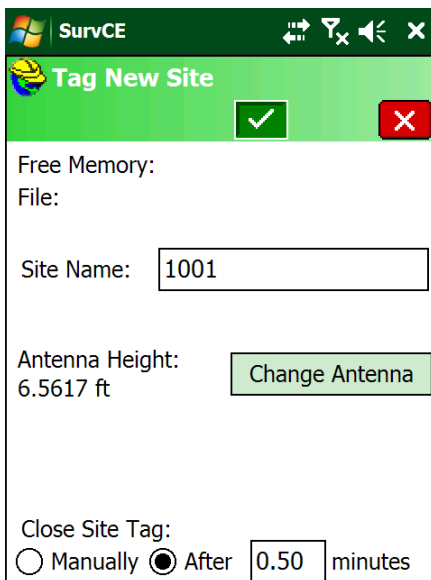


If you have a position, and the Yellow LED is flashing then there is a file open, you are connected and you are ready to collect raw data.

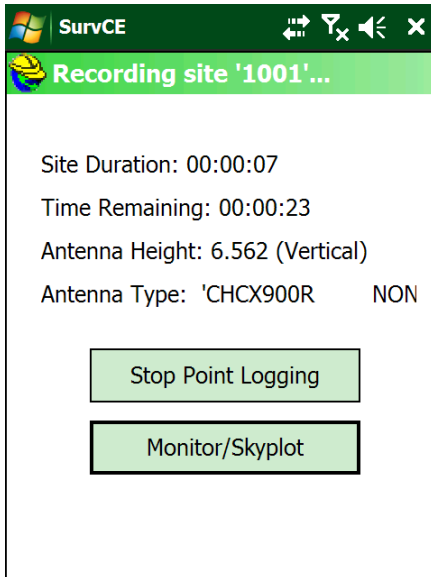
From the 'Survey' tab, select 'Log Raw Data':



Set the receiver over a point, then click on 'Tag Point':

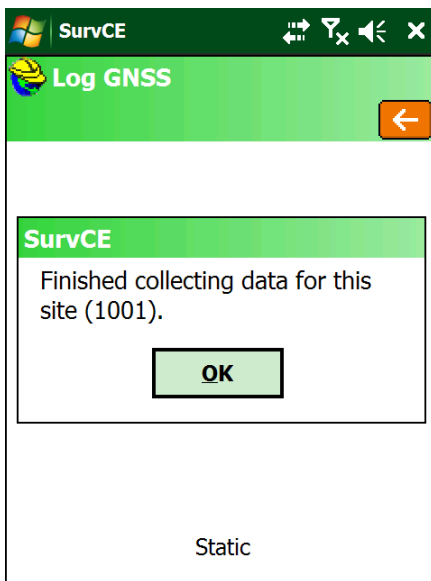


Set the 'Site Name:' to something reasonable, enter a time, then click the 'Green' check mark at the top.



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Wait for the occupation to time through, then:



When you have completed the last occupation, close the file by click-holding the Files button on the receiver for 2-seconds.

After retrieving the file from the receiver, if you look at the .OBS file you will find a 'moving antenna tag at the top of the file:

2 1

*** START MOVING ANTENNA ! ***

COMMENT



Next search for an asterisk '***' in the OBS file:

```

3 5
1001
-1802366.7784 -4492702.1336 4141122.9909
2.0000 0.0000 0.0000
*** NEW SITE OCCUPATION FOLLOWS ! ***
16 6 28 15 24 27.0000000 0 12G 5G 7G 8G 9G16G23G27G28G30R 3R13C11
24476881.539 128626877.559 767.129 44.000
MARKER NAME
MARKER NUMBER
APPROX POSITION XYZ
ANTENNA: DELTA H/E/N
COMMENT

```

You will find the start marker for the occupation.

Again, search for '***':

```

2 1
*** START MOVING ANTENNA ! ***
16 6 28 15 25 5.0000000 0 12G 5G 7G 8G 9G23G27G28G30R 2R 3R13C11
24471416.758 128598154.973 744.707 45.000
COMMENT

```

And you will find the 'Start Moving...' tag, indicating that the Stop has ended and you are going.

Remember to always use the latest version of the RINEX convertor, look for the highest numbered folder at this web location:

<http://x9gps.com/Tools/Utilities/HCNtoRINEX/index.html>