

Latitude: **1°27.236640 'N**
Longitude: **43°45.931695 'W**

Date/Time: **11/09/2017 18:24:50**
Height: **-1.12 m**

Course: **129.4°**
Speed: **8.63 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Port Configuration

► Next Device

Main Menu

C-Nav3050 on 3050:14959 >

Receiver Information

Port Configuration

Extended Nav Info

1PPS Configuration

Solution Control

RTK Configuration

Corrections Authorization

Differential Configuration

Software Options

Navigation Modes

Corrections Receiver

Antenna Information

Output Configuration

Settings Profiles

◀ Prev



► Next

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.05

SVS
15/22

SNR
20.9

VDOP
1.2

PDOP
1.4

Net
Net-2

HDOP
0.6

◀ Prev ► Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°27.220407'N**
Longitude: **43°45.910818'W**

Date/Time: **11/09/2017 18:25:00**
Height: **-1.02 m**

Course: **127.9°**
Speed: **9.52 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Port Configuration

► Next Device

Main Menu

C-Nav3050 on 3050:14959 >

Hardware Settings

Ethernet Settings

NTRIP Settings

Web Interface Settings

Bluetooth Settings

Firmware Update

Restart

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.05

SVS
14/22

SNR
20.8

VDOP
1.2

PDOP
1.4

Net
Net-2

HDOP
0.6

◀ Prev ▶ Next

Take Fix

Logging

Screenshot

Alarms

◀ Prev



▶ Next

Latitude: **1°28.325445 'N**
Longitude: **43°47.511374 'W**

Date/Time: **11/09/2017 18:12:37**
Height: **-1.99 m**

Course: **119.6°**
Speed: **9.50 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
1PPS Configuration

► Next Device

1PPS Settings

Polarity:

Positive **Positive**

Pulse Width (ns):

1600000 **1600000**

Interval (ms):

1000 **01000**

Signal Delay (ms):

0 **00000**

Chip Delay (ns):

0 **000000**

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.05

SVS
13/23

SNR
21.0

VDOP
1.5

PDOP
1.7

Net
Net-2

HDOP
0.7

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

 Reset

Query

✓ Apply

◀ Prev



▶ Next

Latitude: **1°28.260242 'N**
Longitude: **43°47.405717 'W**

Date/Time: **11/09/2017 18:13:24**
Height: **-1.58 m**

Course: **121.7°**
Speed: **9.59 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Antenna Information

► Next Device

Antenna Identification

IGS Antenna:

UNKNOWN

Serial Number:

031 031

Setup ID:

255 255

Antenna Adjustments

Use Adjustments:

No

Slant Range (mm):

0 + ▾ 00000

Radius (mm):

0 + ▾ 00000

Base Station Antenna Identification

IGS Antenna:

(Auto) UNKNOWN

AUTO

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
12/23

SNR
21.0

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev ⏪ ⏩ Next ▶

Take Fix

Logging

Screenshot

Alarms

Reset

Query

✓ Apply

◀ Prev



► Next

Latitude: **1°27.991948'N**
Longitude: **43°46.981040'W**

Date/Time: **11/09/2017 18:16:36**
Height: **-1.57 m**

Course: **122.0°**
Speed: **8.37 kts**

Menu

C-Nav3050 on 3050:14959 Bluetooth Settings

▶ Next Device

Bluetooth Settings
Adapter Enabled:
Hardware Address:

No

--

Bluetooth PIN

--

Update PIN

Clear PIN

Bluetooth Operations

Reset Adapter

Disconnect

Disconnect and Clear PIN

◀ Prev ▶ Next

Take Fix

Logging

Screenshot

Alarms

 Reset

Query

◀ Prev



▶ Next

C-Nav3050
3050:14959
Quality Panel

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 4
F-Test Pass	FOM 0.06
# SVS 13/23	SNR 20.9
VDOP 1.5	PDOP 1.7
Net Net-2	HDOP 0.7

◀ Prev ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.618628 'N**
Longitude: **43°47.966755 'W**

Date/Time: **11/09/2017 18:09:12**
Height: **-1.00 m**

Course: **122.8°**
Speed: **10.19 kts**

Menu

C-Nav3050 on 3050:14959 Corrections Authorization

▶ Next Device

Authorization Information

Serial Number: **14959**
License 1 of 1
Active Status: **Active**
CCS License Type: **SF2**
Expiration Type: **Calendar**
Issue Date: **Tue Jun 27 19:06:13 2017 UTC**
Start Date: **Tue Jun 27 00:00:00 2017 UTC**
End Date: **Fri Jul 20 23:59:59 2018 UTC**
Region Code: **8000 (All Regions)**
Network Authorization: **All**

Cancel Verify Code(s):

**A155F8E2-0493FBB4-1DA7AE30-CC78D4E5
B8D049BF-F46B7DD1-5B880804-2456C217**

Change Authorization

Enter Authorization Code:

00000000-00000000-00000000-00000000

Read Code From File

Query

Cancel All

Show Next

Show Cancel History

✓ Apply

◀ Prev



▶ Next

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.05

SVS
12/22

SNR
21.4

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev



▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.552092 'N**
Longitude: **43°47.862383 'W**

Date/Time: **11/09/2017 18:09:59**
Height: **-1.37 m**

Course: **128.2°**
Speed: **9.49 kts**

Menu

**C-Nav3050 on 3050:14959
Corrections Receiver**

▶ Next Device

Downlink Status

Signal Status:

Locked

Signal to Noise Ratio:

21.17

Packets Percent Idle:

9.03%

Packets Percent Bad:

0.00%

Resync Count:

1484

**C-Nav3050
3050:14959**

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.05

SVS
12/22

SNR
21.3

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev Next

Take Fix

Logging

Screenshot

Alarms

Query Settings

◀ Prev



▶ Next

Latitude: **1°28.505104'N**
Longitude: **43°47.792024'W**

Date/Time: **11/09/2017 18:10:31**
Height: **-1.35 m**

Course: **123.9°**
Speed: **9.04 kts**

Menu

Corrections Satellite Configuration

► Next Device

Current Corrections Satellite Configuration

Configuration ID: **2015-05-28**
Number of Satellites: **15**

Load Corrections Satellite Configuration

[Load Configuration](#)

C-Nav3050
3050:14959
Quality Panel

Freq **Dual**
Mode **AUTO 3D**

Corr **C2-SF2**
Diff Age **6**

F-Test **Pass**
FOM **0.05**

SVS **13/22**
SNR **20.8**

VDOP **1.5**
PDOP **1.7**

Net **Net-2**
HDOP **0.7**

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

◀ Prev



► Next

Latitude: **1°28.290091'N**
Longitude: **43°47.452803'W**

Date/Time: **11/09/2017 18:13:03**
Height: **-1.43 m**

Course: **123.7°**
Speed: **9.62 kts**

C-Nav3050
3050:14959

Quality Panel

Menu

C-Nav3050 on 3050:14959 Differential Configuration

▶ Next Device

Differential Mode

Mode: **Rover - RTCM** Rover - RTCM Base Output Port: -- COM1
Station/Site ID: **0 0000** Wrapped (PACKB) Output: None None
Dynamic Mode: **Static** Static RTCM2 Input Version: 2.3 2.3
Enable 3rd Party RTK X: No No

Base Station Name

REF1
REF1

Base Station Position

Latitude: **0°00.000000'N** Longitude: **0°00.000000'E**
Height: **0.00 m** Configure

Self Survey

Samples: -- Elapsed: --

Start

Stop

Query

✓ Apply



◀ Prev



▶ Next

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.05

SVS
13/23

SNR
20.8

VDOP
1.5

PDOP
1.7

Net
Net-2

HDOP
0.7

◀ Prev ⚪ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.187728 'N**
Longitude: **43°47.290323 'W**

Date/Time: **11/09/2017 18:14:17**
Height: **-1.22 m**

Course: **124.2°**
Speed: **9.34 kts**

C-Nav3050
3050:14959

Quality Panel

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 4
F-Test Pass	FOM 0.05
# SVS 13/23	SNR 21.0
VDOP 1.5	PDOP 1.7
Net Net-2	HDOP 0.7

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

Menu

C-Nav3050 on 3050:14959 Ethernet Settings

▶ Next Device

Ethernet Configuration

Mode:	Manual	Manual
IP Address:	192.168.0.2	192.168.000.002
Netmask:	255.255.255.0	255.255.255.000
Gateway:	192.168.0.1	192.168.000.001
DNS Server 1:	0.0.0.0	000.000.000.000
DNS Server 2:	0.0.0.0	000.000.000.000

Ethernet Virtual Ports

Port	Enabled	Mode	Remote Address	Remote Port	Local Port
ETH3	No	TCP	0.0.0.0	0	4363
ETH4	No	TCP	0.0.0.0	0	4364
ETH1	Yes	UDP (Restrict)	0.0.0.0	0	4361
ETH2	No	UDP (Any)	0.0.0.0	0	4362

 Reset

Query

Configure Port

 Apply

◀ Prev  ▶ Next

Latitude: **1°28.665714'N**
Longitude: **43°48.043616'W**

Date/Time: **11/09/2017 18:08:38**
Height: **-1.05 m**

Course: **121.6°**
Speed: **9.72 kts**

Menu

C-Nav3050 on 3050:14959 Extended Nav Info

► Next Device

Navigation Summary

GPS Time: 410936
GPS Week: 1974
Nav Valid: Yes
Source Type: 8:CCS (C2) OTA
Datum: ITRF 2008/GGM02
Station ID: 0
Failure Code: 1:Navigation solution available
Rapid Recovery In Progress: No

Solid Earth Tide

Delta North (mm): -36
Delta East (mm): 20
Delta Up (mm): 125

Error Estimates Std Deviation

Latitude (m): 0.0303
Longitude (m): 0.0430
Height (m): 0.1006

Velocity

North (m/s): -2.6230
East (m/s): 4.2588
Up (m/s): -0.0215

◀ Prev



▶ Next

C-Nav3050
3050:14959

Quality Panel

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 5
F-Test Pass	FOM 0.05
# SVS 12/22	SNR 21.2
VDOP 1.6	PDOP 1.8
Net Net-2	HDOP 0.8

◀ Prev ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°27.967934'N**
Longitude: **43°46.943643'W**

Date/Time: **11/09/2017 18:16:53**
Height: **-1.51 m**

Course: **122.5°**
Speed: **9.09 kts**

Menu

C-Nav3050 on 3050:14959 Firmware Update

▶ Next Device

C-Nav3050 Firmware Update
Selected Package: (none)

Component ▾ Version Update?

Current Versions

BLUETOOTH: 3050, 3.0.0 build 165
BOOT1: SAPPHIRE, 02.01.04, scn1, Feb 9 2011 11:51:14
BOOT2: SAPPHIRE, 02.01.06, scn1, Jan 18 2013 17:09:23
NAV: SAPPHIRE, 03.06.09, scn1, CoreNav=CN5.0.003 DSP=025, Aug 10 2016 08:24:32
PIOAPP: 3050, 03.06.09, scn1, Aug 10 2016 08:27:16, MAC Address: 00:07:E3:10:65:92
PIOBOOT: 3050, 02.03.01, scn1, Mar 31 2011 12:07:05

Select Package

Toggle Component

Start Update

◀ Prev



▶ Next

C-Nav3050
3050:14959
Quality Panel

Freq Dual
Mode AUTO 3D

Corr C2-SF2
Diff Age 4

F-Test Pass
FOM 0.06

SVS 12/23
SNR 20.7

VDOP 1.6
PDOP 1.8

Net Net-2
HDOP 0.8

◀ Prev ⚪ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.213344'N**
Longitude: **43°47.331839'W**

Date/Time: **11/09/2017 18:13:58**
Height: **-1.40 m**

Course: **118.5°**
Speed: **8.36 kts**

Menu

C-Nav3050 on 3050:14959 Hardware Settings

▶ Next Device

USB Mode

Serial Port **Serial Port** ▾

Logging to External USB (Host Mode)

STOPPED

Start File

Pause

Force Start

Stop

Resume

Create Signature

DRIVE (USB THUMB DRIVE) NOT CONFIGURED

Default FAT

Format

Reset

Query

Internal Memory Settings

✓ Apply

◀ Prev



▶ Next

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
12/23

SNR
20.8

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev ⚪ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.273262 'N**
Longitude: **43°47.426017 'W**

Date/Time: **11/09/2017 18:13:15**
Height: **-1.39 m**

Course: **122.5°**
Speed: **8.96 kts**

C-Nav3050
3050:14959

Quality Panel

Freq **Dual**
Mode **AUTO 3D**

Corr **C2-SF2**
Diff Age **6**

F-Test **Pass**
FOM **0.05**

SVS **12/23**
SNR **20.6**

VDOP **1.6**
PDOP **1.8**

Net **Net-2**
HDOP **0.8**

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

Menu

C-Nav3050 on 3050:14959 Navigation Modes

▶ Next Device

Vertical Navigation Mode

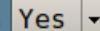
2D/3D Mode:

Auto **Auto**

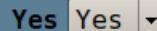
2D Height (m):

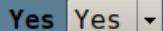
--  00000.000

Navigation Measurement Use

L1: Yes 

L5: Yes 

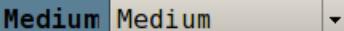
L2: Yes 

GLONASS: Yes 

L2C: Yes 

Note: See help page before changing these settings

Dynamic Mode

Overall Mode: Medium 

CCS Mode: -- 

RTK Mode: -- 

Velocity Smoothing: -- 

 Reset

Query  Apply

◀ Prev  ▶ Next

Latitude: **1°28.167180 'N**
Longitude: **43°47.257222 'W**

Date/Time: **11/09/2017 18:14:32**
Height: **-1.80 m**

Course: **121.6°**
Speed: **9.18 kts**

Menu

C-Nav3050 on 3050:14959
NTRIP Settings

► Next Device

NTRIP Status

Host:
Port:
Mount Point:
Username:
Password:
GGA Required:
Auto-Connect:
Authentication:
NTRIP Status:

0

No

Off

Basic

--

--

IDLE

--

--

Client Status:

Client Activity:

Query Settings

◀ Prev



▶ Next

C-Nav3050
3050:14959
Quality Panel

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 4
F-Test Pass	FOM 0.06
# SVS 12/23	SNR 20.8
VDOP 1.6	PDOP 1.8
Net Net-2	HDOP 0.8

◀ Prev ⏴ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°26.614918'N**
Longitude: **43°45.134722'W**

Date/Time: **11/09/2017 18:31:13**
Height: **-1.08 m**

Course: **128.8°**
Speed: **9.19 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

BLUETOOTH ▾

Message	Output Type
NMEARMC	Disabled
NMEAROT	Disabled
NMEARRE	Disabled
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Interval 1.00(1)
NMEAPNCTDTM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled

Message Settings

Message:

Method:

Rate (Hz):

or Interval (sec):

1

0001.00

Port Usage

Tx: **0.00%**

Rx: **0.00%**

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.0

VDOP
1.3

PDOP
1.5

Net
Net-2

HDOP
0.7

◀ Prev



▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.696672 'N**
Longitude: **43°45.240052 'W**

Date/Time: **11/09/2017 18:30:23**
Height: **-1.47 m**

Course: **128.6°**
Speed: **8.32 kts**

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.0

VDOP
1.3

PDOP
1.5

Net
Net-2

HDOP
0.7

◀ Prev ▶ Next

Take Fix

Logging

Screenshot

Alarms

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

COM1

Message	Output Type
NMEARMC	Disabled
NMEAROT	Disabled
NMEARRE	Disabled
NMEAATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Interval 1.00(1)
NMEAPNCTDTM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled

Message Settings

Message:

NCTBD

Method:

Disabled

Rate (Hz):

1.00

or Interval (sec):

0001.00

Port Usage

Tx: **3.96%**

Rx: **0.00%**

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.679791'N**
Longitude: **43°45.219505'W**

Date/Time: **11/09/2017 18:30:33**
Height: **-0.84 m**

Course: **130.2°**
Speed: **10.37 kts**

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

COM2

Message	Output Type
NMEAALM	Disabled
NMEAATM	Interval 1.00(1)
NMEAAGBS	Disabled
NMEAAGFA	Disabled
NMEAAGGA	Interval 1.00(1)
NMEAAGLL	Disabled
NMEAAGNS	Disabled
NMEAAGRS	Disabled
NMEAAGSA	Disabled
NMEAGST	Interval 1.00(1)
NMEAGSV	Disabled
NMEAHDAT	Disabled
NMEAMLA	Disabled

Message Settings

Message:

Method:

Disabled

Rate (Hz):

or Interval (sec):

0001.00

Port Usage

Tx: **46.04%**

Rx: **0.00%**

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
20.6

VDOP
1.3

PDOP
1.5

Net
Net-2

HDOP
0.7

◀ Prev Next ▶

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.664981'N**
Longitude: **43°45.200632'W**

Date/Time: **11/09/2017 18:30:42**
Height: **-1.75 m**

Course: **124.5°**
Speed: **9.44 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

COM2

Message	Output Type
NMEAGSA	Disabled
NMEAGST	Interval 1.00(1)
NMEAGSV	Disabled
NMEAHDAT	Disabled
NMEAMLA	Disabled
NMEARMC	Disabled
NMEAROT	Disabled
NMEARRE	Disabled
NMEAATTM	Disabled
NMEAVTG	Interval 1.00(1)
NMEAZDA	Disabled
NMEAPNCTDTM	Disabled
NMEAPNCTGGA	Disabled

Message Settings

Message:

Method:

Disabled

Rate (Hz):

or Interval (sec):

0001.00

Port Usage

Tx: **46.25%**

Rx: **0.00%**

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
13/22

SNR
20.9

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev Next ▶

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.564683 'N**
Longitude: **43°45.073487 'W**

Date/Time: **11/09/2017 18:31:42**
Height: **-1.13 m**

Course: **131.2°**
Speed: **10.76 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH1 ▾

Message	Output Type
NMEAALM	Disabled
NMEADTM	On Change
NMEAGBS	Disabled
NMEAGFA	Disabled
NMEAGGA	Disabled
NMEAGLL	Disabled
NMEAGNS	Disabled
NMEAGRS	Disabled
NMEAGSA	Disabled
NMEAGST	Disabled
NMEAGSV	Disabled
NMEAHDT	Disabled
NMEAMLA	Disabled

Message Settings

Message:

Method:

Rate (Hz):

SVS

or Interval (sec):

0001.00

Port Usage

Tx: 0.00%

Rx: 0.00%

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.0

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev



▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.544385 'N**
Longitude: **43°45.048343 'W**

Date/Time: **11/09/2017 18:31:54**
Height: **-1.52 m**

Course: **129.4°**
Speed: **10.74 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH2

Message	Output Type
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Disabled
NMEAPNCTDM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled
NAK	On Change
OK	On Change
PANICA	On Change

Message Settings

Message:

Method:

Disabled

Rate (Hz):

or Interval (sec):

0001.00

Port Usage

Tx: **0.00%**

Rx: **0.00%**

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
20.8

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev Next ▶

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.536250 'N**
Longitude: **43°45.038057 'W**

Date/Time: **11/09/2017 18:31:59**
Height: **-1.29 m**

Course: **128.0°**
Speed: **10.69 kts**

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH2 ▾

Message	Output Type
NMEAALM	Disabled
NMEAATM	Disabled
NMEAAGBS	Disabled
NMEAAGFA	Disabled
NMEAAGGA	Disabled
NMEAAGLL	Disabled
NMEAAGNS	Disabled
NMEAAGRS	Disabled
NMEAAGSA	Disabled
NMEAGST	Disabled
NMEAGSV	Disabled
NMEAHDAT	Disabled
NMEAALMA	Disabled

Message Settings

Message:

NMEAALM

Method:

Disabled ▾

Rate (Hz):

or Interval (sec):

0001.00

Port Usage

Tx: 0.00%

Rx: 0.00%

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
20.7

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev ⏪ ⏩ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.528383 'N**
Longitude: **43°45.027902 'W**

Date/Time: **11/09/2017 18:32:04**
Height: **-0.95 m**

Course: **126.2°**
Speed: **9.91 kts**

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH3 ▾

Message	Output Type
NMEAALM	Disabled
NMEAATM	Disabled
NMEAAGBS	Disabled
NMEAAGFA	Disabled
NMEAAGGA	Disabled
NMEAAGLL	Disabled
NMEAAGNS	Disabled
NMEAAGRS	Disabled
NMEAAGSA	Disabled
NMEAGST	Disabled
NMEAGSV	Disabled
NMEAHDAT	Disabled
NMEAMLA	Disabled

Message Settings

Message:

Method:

Rate (Hz):

SVS

or Interval (sec):

0001.00

Port Usage

Tx: **0.00%**

Rx: **0.00%**

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
20.6

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev ⏪ ⏩ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.430532 'N**
Longitude: **43°44.896753 'W**

Date/Time: **11/09/2017 18:33:05**
Height: **-1.01 m**

Course: **122.9°**
Speed: **10.59 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH3 ▾

Message	Output Type
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Disabled
NMEAPNCTDM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled
NAK	On Change
OK	On Change
PANICA	On Change

Message Settings

Message:

Method:

Rate (Hz):

SVS

or Interval (sec):

0001.00

Port Usage

Tx: 0.00%

Rx: 0.00%

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.2

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev



▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.417204'N**
Longitude: **43°44.879637'W**

Date/Time: **11/09/2017 18:33:13**
Height: **-1.82 m**

Course: **125.7°**
Speed: **9.08 kts**

C-Nav3050
3050:14959

Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.2

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

ETH4

Message	Output Type
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Disabled
NMEAPNCTDM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled
NAK	On Change
OK	On Change
PANICA	On Change

Message Settings

Message:

Method:

Rate (Hz):

or Interval (sec):

0001.00

Port Usage

Tx: **0.00%**

Rx: **0.00%**

 Reset

Query

Disable

Disable All

General Settings

 Apply

◀ Prev



▶ Next

Latitude: **1°26.382839 'N**
Longitude: **43°44.835103 'W**

Date/Time: **11/09/2017 18:33:34**
Height: **-1.45 m**

Course: **124.8°**
Speed: **9.63 kts**

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

FLASH

Message	Output Type
NMEAGBS	Disabled
NMEAGFA	Disabled
NMEAGGA	Disabled
NMEAGLL	Disabled
NMEAGNS	Disabled
NMEAGRS	Disabled
NMEAGSA	Disabled
NMEAGST	Disabled
NMEAGSV	Disabled
NMEAHDAT	Disabled
NMEAHLA	Disabled
NMEAHRMC	Disabled
NMEAROT	Disabled

Message Settings

Message:

NMEAGBS

Method:

Disabled

Rate (Hz):

13/22

or Interval (sec):

0001.00

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
13/22

SNR
21.0

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev ⚙ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.390887 'N**
Longitude: **43°44.845936 'W**

Date/Time: **11/09/2017 18:33:29**
Height: **-1.18 m**

Course: **127.0°**
Speed: **9.93 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

FLASH

Message	Output Type
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Disabled
NMEAPNCTDM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled
NAK	On Change
OK	On Change
PANICA	On Change

Message Settings

Message:

Method:

Disabled

Rate (Hz):

13/22

or Interval (sec):

0001.00

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
13/22

SNR
20.5

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev Next ▶

Take Fix

Logging

Screenshot

Alarms

 Reset

Query

Disable

Disable All

General Settings

 Apply

◀ Prev



▶ Next

Latitude: **1°26.404194'N**
Longitude: **43°44.862878'W**

Date/Time: **11/09/2017 18:33:21**
Height: **-1.41 m**

Course: **125.8°**
Speed: **8.95 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

USB_DRIVE ▾

Message	Output Type
NMEAALM	Disabled
NMEADTM	On Change
NMEAGBS	Disabled
NMEAGFA	Disabled
NMEAGGA	Interval 1.00(1)
NMEAGLL	Disabled
NMEAGNS	Disabled
NMEAGRS	Disabled
NMEAGSA	Disabled
NMEAGST	Disabled
NMEAGSV	Interval 1.00(1)
NMEAHDAT	Interval 1.00(1)
NMEAMLA	Disabled

Message Settings

Message:

Method:

Rate (Hz):

SVS

or Interval (sec):

0001.00

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
21.2

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev ⏪ ⏩ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Disable

Disable All

General Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°26.397389 'N**
Longitude: **43°44.854228 'W**

Date/Time: **11/09/2017 18:33:25**
Height: **-1.16 m**

Course: **129.0°**
Speed: **10.13 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Output Configuration

▶ Next Device

Output Messages

Messages For Port:

USB_DRIVE ▾

Message	Output Type
NMEATTM	Disabled
NMEAVTG	Disabled
NMEAZDA	Interval 1.00(1)
NMEAPNCTDM	Disabled
NMEAPNCTGGA	Disabled
NMEAPNCTGST	Disabled
NMEAPNCTMDE	Disabled
NMEAPNCTSET	Disabled
NCTBD	Disabled
NCTBE	Disabled
NAK	On Change
OK	On Change
PANICA	On Change

Message Settings

Message:

Method:

Disabled

Rate (Hz):

or Interval (sec):

0001.00

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.06

SVS
14/22

SNR
20.9

VDOP
1.4

PDOP
1.6

Net
Net-2

HDOP
0.7

◀ Prev Next ▶

Take Fix

Logging

Screenshot

Alarms

 Reset

Query

Disable

Disable All

General Settings

 Apply

◀ Prev



▶ Next

Latitude: **1°28.530237 'N**
Longitude: **43°47.829453 'W**

Date/Time: **11/09/2017 18:10:14**
Height: **-1.21 m**

Course: **124.7°**
Speed: **9.77 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Port Configuration

▶ Next Device

Port Configuration
C-Controller:
Auxiliary Serial:

USB
COM2, COM1

Serial Port Configuration

Settings for Port:

COM1

Baud Rate:

9600

9600

Data Bits:

8

8

Parity:

None

None

Stop Bits:

1

1

COM1 Power-On Message:

No

No

COM2 Serial Mode:

RS-422

RS-422

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.05

SVS
12/22

SNR
20.5

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev



▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

✓ Apply

◀ Prev



▶ Next

Latitude: **1°28.371560'N**
Longitude: **43°47.585737'W**

Date/Time: **11/09/2017 18:12:04**
Height: **-1.41 m**

Course: **125.5°**
Speed: **9.18 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Port Configuration

▶ Next Device

Port Configuration
C-Controller:
Auxiliary Serial:

USB
COM2, COM1

Serial Port Configuration

Settings for Port:

COM2

Baud Rate:

4800

4800

Data Bits:

8

8

Parity:

None

None

Stop Bits:

1

1

COM1 Power-On Message:

No

No

COM2 Serial Mode:

RS-422

RS-422

Freq	Mode
Dual	AUTO 3D
Corr	Diff Age
C2-SF2	4
F-Test	FOM
Pass	0.05
# SVS	SNR
12/23	21.0
VDOPO	PDOP
1.6	1.8
Net	HDOP
Net-2	0.8

◀ Prev ⏪ ⏩ ▶ Next

Take Fix

Logging

Screenshot

Alarms

Reset

Query

Apply

◀ Prev



▶ Next

Latitude: **1°28.689468'N**
Longitude: **43°48.081611'W**

Date/Time: **11/09/2017 18:08:21**
Height: **-1.32 m**

Course: **122.7°**
Speed: **9.82 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Receiver Information

► Next Device

Messages

- PVT
- Channel Status
- Signal Status
- Other

Receiver ID

Serial Number: **14959**
Model: **CNAV3050M**

Firmware Versions

BLUETOOTH: 3050, 3.0.0 build 165
BOOT1: SAPPHIRE, 02.01.04, scn1, Feb 9 2011 11:51:14
BOOT2: SAPPHIRE, 02.01.06, scn1, Jan 18 2013 17:09:23
NAV: SAPPHIRE, 03.06.09, scn1, CoreNav=CN5.0.003 DSP=025, Aug 10 2016 08:24:32
PIOAPP: 3050, 03.06.09, scn1, Aug 10 2016 08:27:16, MAC Address: 00:07:E3:10:65:92
PIOBOOT: 3050, 02.03.01, scn1, Mar 31 2011 12:07:05

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
4

F-Test
Pass

FOM
0.05

SVS
12/22

SNR
21.0

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev ● ▶ Next

Take Fix

Logging

Screenshot

Alarms

Query

◀ Prev

▶ Next

Latitude: **1°27.953519 'N**
Longitude: **43°46.921622 'W**

Date/Time: **11/09/2017 18:17:03**
Height: **-1.24 m**

Course: **125.8°**
Speed: **9.33 kts**

Menu

C-Nav3050 on 3050:14959
Restart

► Next Device

Warm Restart

Clear Ephemeris and Restart

Cold Restart

Use Built-In Almanac:

No ▾

Clear Position, Almanac, Ephemeris, Time and Restart

C-Nav3050
3050:14959
Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.05

SVS
12/23

SNR
20.7

VDOP
1.6

PDOP
1.8

Net
Net-2

HDOP
0.8

◀ Prev ⬤ ▶ Next

Take Fix

Logging

Screenshot

Alarms

◀ Prev



▶ Next

Latitude: **1°28.306610'N**
Longitude: **43°47.479709'W**

Date/Time: **11/09/2017 18:12:51**
Height: **-1.75 m**

Course: **116.1°**
Speed: **9.56 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
RTK Configuration

▶ Next Device

RTK Configuration

Maximum Correction Age (seconds):

-- 000000

Float Timeout (seconds):

300 000300

Multipath Mode:

Typical Survey Typical Survey

Fix Mode:

Fixed Fixed

Single-Frequency RTK:

No No

GLONASS Rover Corrections:

Off Off

GLONASS Rover Corrections Type:

-- Novatel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
6

F-Test
Pass

FOM
0.05

SVS
13/23

SNR
21.0

VDOP
1.5

PDOP
1.7

Net
Net-2

HDOP
0.7

◀ Prev ⏪ ⏩ Next ▶

Take Fix

Logging

Screenshot

Alarms

Reset

Query

MBRTK Settings

✓ Apply

◀ Prev



▶ Next

Latitude: **1°28.234425 'N**
Longitude: **43°47.365760 'W**

Date/Time: **11/09/2017 18:13:42**
Height: **-1.11 m**

Course: **124.1°**
Speed: **11.66 kts**

Menu

C-Nav3050 on 3050:14959
Settings Profiles

► Next Device

Settings Profiles

Active	Name	Modified
Yes	DEFAULT	Sun Aug 20 15:55:52 2017 UTC

Save New Profile

Name: Save New Profile

Query

Set Active

Delete

Dump Settings to File

Load From File

◀ Prev



► Next

C-Nav3050
3050:14959
Quality Panel

Freq
Dual

Mode
AUTO 3D

Corr
C2-SF2

Diff Age
5

F-Test
Pass

FOM
0.06

SVS
11/23

SNR
20.6

VDOP
1.7

PDOP
1.9

Net
Net-2

HDOP
0.9

◀ Prev   ► Next

Take Fix

Logging

Screenshot

Alarms

Latitude: **1°28.590547'N**
Longitude: **43°47.921450'W**

Date/Time: **11/09/2017 18:09:32**
Height: **-1.59 m**

Course: **121.7°**
Speed: **10.58 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959
Software Options

► Next Device

Frequency Options

L1:	Yes
L2:	Yes
L2C:	Yes
L5:	Yes
G1:	Yes
G2:	Yes

Corrections Options

CCS:	Yes
SBAS:	Yes
RTK Base:	No
RTK Moving Base:	No
RTK Rover:	No
RTK Extend:	No

General Options

Navigation Rate:	5	1PPS Event Latch:	Yes
Data Rate:	5	CCS OTI:	No

Activate Software Options

Enter Options Code: **00000000-00000000-00000000-00000000**

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 4
F-Test Pass	FOM 0.05
# SVS 12/22	SNR 21.0
VDOP 1.6	PDOP 1.8
Net Net-2	HDOP 0.8

◀ Prev ▶ Next

Geo Fencing Information

Point:	0 of 0	Latitude:	--
Radius (km):	--	Longitude:	--

Next Point

Query Apply

Take Fix
Logging
Screenshot
Alarms

◀ Prev



▶ Next

Latitude: **1°28.637251'N**
Longitude: **43°47.995893'W**

Date/Time: **11/09/2017 18:08:59**
Height: **-1.61 m**

Course: **119.8°**
Speed: **9.86 kts**

C-Nav3050
3050:14959
Quality Panel

Menu

C-Nav3050 on 3050:14959 Solution Control

► Next Device

Solution Control

Elevation Mask: **7.0 07.0** Maximum PDOP: **4.0 004.0**
Geoidal Model: **C2-SF2** Solid Earth Tide: **Yes Yes**
Monitoring Nav Rate (Hz): **1 1** Rapid Recovery FOM: **10 010**

SBAS Config

Mode: **Auto** Auto Geofence: **No** No
PRNs (0=None): **-- 000** -- 000

Corrections Inputs

RTCM 1,9 SBAS CCS
Enabled: **Yes Yes** Yes Yes Yes Yes
Maximum Differential Age (seconds): 300 0300 300 0300 1200 1200

CCS Control

CCS Mode: **CCS OTA** CCS OTA Update Rate: --

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 6
F-Test Pass	FOM 0.05
# SVS 12/22	SNR 20.9
VDOP 1.6	PDOP 1.8
Net Net-2	HDOP 0.8

◀ Prev  ▶ Next

Take Fix

Logging

Screenshot

Alarms

 Reset

Query  Apply

◀ Prev  ▶ Next

Latitude: **1°28.011452'N**
Longitude: **43°47.012119'W**

Date/Time: **11/09/2017 18:16:22**
Height: **-1.52 m**

Course: **124.1°**
Speed: **9.05 kts**

Menu

C-Nav3050 on 3050:14959 Web Interface Settings

▶ Next Device

Web Interface Settings

Web Interface Enabled:

Yes Yes ▾

Upload Interface Files

Selected Package: --

0.00%

Select Package

Cancel Upload

Note: Uploading a C-Nav3050 Web Interface can take up to 5 minutes and will interrupt the functionality of the receiver. During the upload, the receiver will be restarted twice.

Reset

Query

✓ Apply

◀ Prev



▶ Next

C-Nav3050
3050:14959
Quality Panel

Freq Dual	Mode AUTO 3D
Corr C2-SF2	Diff Age 5
F-Test Pass	FOM 0.06
# SVS 12/23	SNR 20.8
VDOP 1.6	PDOP 1.8
Net Net-2	HDOP 0.8

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Take Fix

Logging

Screenshot

Alarms