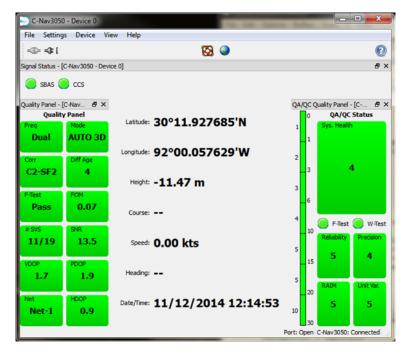# C-Nav®

C-Monitor

Oceaneering's C-Monitor supports the simultaneous observation and analysis of one or more differential DGNSS systems. Users are able to monitor and evaluate real-time DGNSS QA/QC and precise point positioning (PPP) information.

FEATURES

Full QA/QC utilities, tests, and statistical analysis

User-friendly interface for easy configuration and display of data

Visible satellite status showing azimuth, elevation, and signal strengths
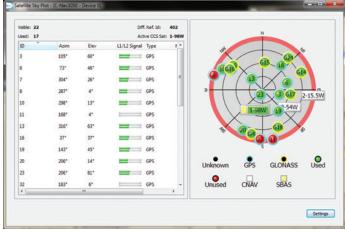
Connecting What's Needed with What's Next™

OCEANEERING®

C-Monitor

Monitor and evaluate real-time DGNSS QA/QC and precise point positioning (PPP) information

Features

» Fully user-configurable
» Complies with National Marine Electronics Association (NMEA) requirements
» Complies to the OGP/IMCA guidelines for GNSS positioning in the oil and gas industry
» Complies with IMO Receiver Autonomous Integrity Monitoring (RAIM) standards:
  » Unit variance
  » F-test
  » Error ellipse
  » Rejected SV error details
  » Marginally Detectable Error (MDE)
» User configurable alarms and warnings (green, yellow, and red status information)
» Sky plot of all visible GPS/GLONASS satellites, their location, orientation, and health
» Variable scale scatter plot monitors GNSS position stability
» Table of GNSS satellite elevation, azimuth, and signal strength
» Real-time display of position information from a single or multiple GNSS receivers
» Time series plots including:
  » Differential age
  » HDOP, PDOP, VDOP
  » Number of satellites in solution
» RTCM and NMEA data output messages including:
  » GGA, GLL, GSA, GST, GSV, RMC, VTG, ZDA, HDT
» Supports all C-Nav® DGNSS devices

Satellite Sky Plot

Hardware

Requires Windows 2000, XP, Vista, Windows 7, Windows 8, or Windows 10
Pentium 4 CPU (1.5 GHz or higher) with at least 256 Mb RAM
One or more RS-232 serial interface ports
USB port for sentinel security key (dongle)

Supported GPS Hardware

C-Nav3050®*
C-Mariner
C-Nav2050*
C-Nav1010
C-Nav2000
Hemisphere Vector VS330
Basic NMEA devices^

* QA/QC data available only with C-Nav2050, and C-Nav3050® systems.
^ Some advanced features not available with some GNSS and NMEA devices.

■ For more information: **oceaneering.com/cnav**

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