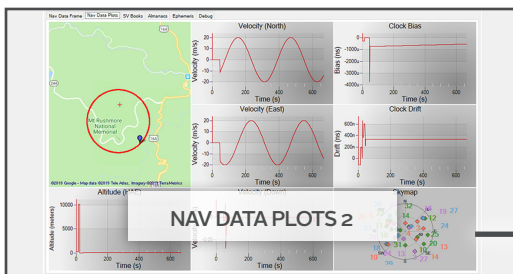
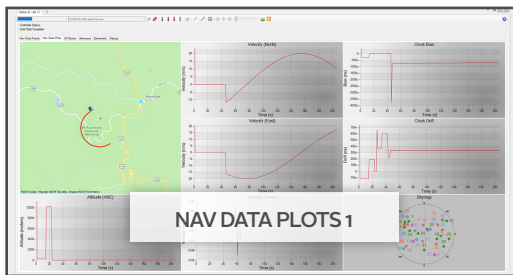
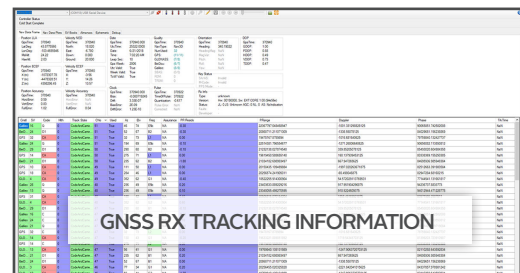
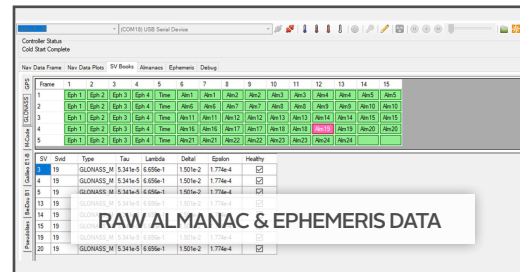


RxStudio

Real-time GNSS receiver data collection, control and display

What is RxStudio?

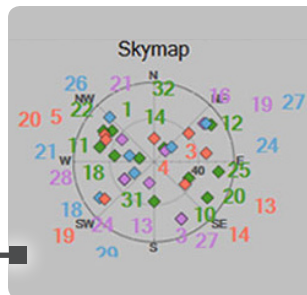
RxStudio is a software platform that enables users to monitor and log GNSS receiver data in real-time. RxStudio was developed as a plug-and-play architecture compatible with over 100 GNSS receivers outputting and logging receiver data in a common format, with new receivers constantly being integrated. Quickly visualize how receivers are performing in real-time through data fields, color coded tables, and position maps. RxStudio is utilized in many test environments, from field tests to classified labs.

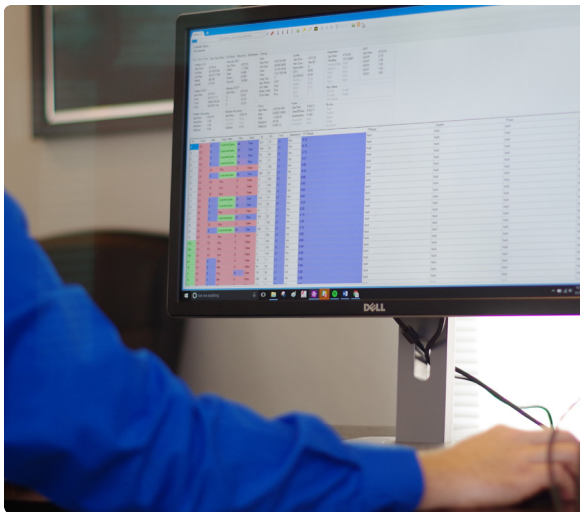


Nav Data Plots

The Nav Data plots view within RXStudio shows a variety of plots from GNSS receiver data in real-time, or based on receiver output over time. These plots include a position plot which is overlaid by

google maps (while connected to the internet), Velocity NED, Altitude, SV, Clock Drift and Bias graphs, as well as a constellation color coded satellite Skymap.





Key Features

Updated frequently

The list of supported receivers is growing (currently 100 plus!)

SDK to add support for custom receivers (after signing NDA)

API access to JSON stream of receiver data in one common

Multiple interfaces to receivers are supported: RS232, RS422, 1553, Ethernet, USB and more

Records raw serial data from a receiver for playback in RxStudio

Specifications

Real-time and Logged Data Outputs

Downlink Data (pages 1-25, sub frames 1-5)	GPS and UTC Time
SVID	Position LLA
Code Type Used	Position ECEF
Health Status	Position Accuracy
Track State	Velocity NED
Carrier to Noise Ratio (C/No)	Velocity ECEF
SV Azimuth and Elevation	Velocity Accuracy
Date, Leap Sec, Time of Week	Frequency Used
Clock Bias, Drift and Error	Assurance
Pseudorange Residuals	Quality
Pseudorange	Orientation
Doppler	DOP
Phase	Key Status
Rx Info	Pulse

Supported Receiver Manufacturers

ATK	Motorola
Arbiter Systems	NVS
FEIZypher	Navman
Fastrax	NovAtel
Furuno	OriginGPS
GPS Source	Quectel
Garmin	Rockwell Collins
Hemisphere	SEL
Honeywell	SkyTraq
ITT Exelis	Spectracom
Javad	Spectrum Instruments
L3	Symmetricom
Maestro	Telit
Magellan	Trimble
MediaTek	uBlox
Microsemi	+More...