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- **Six Pack RTK V6 Engine**
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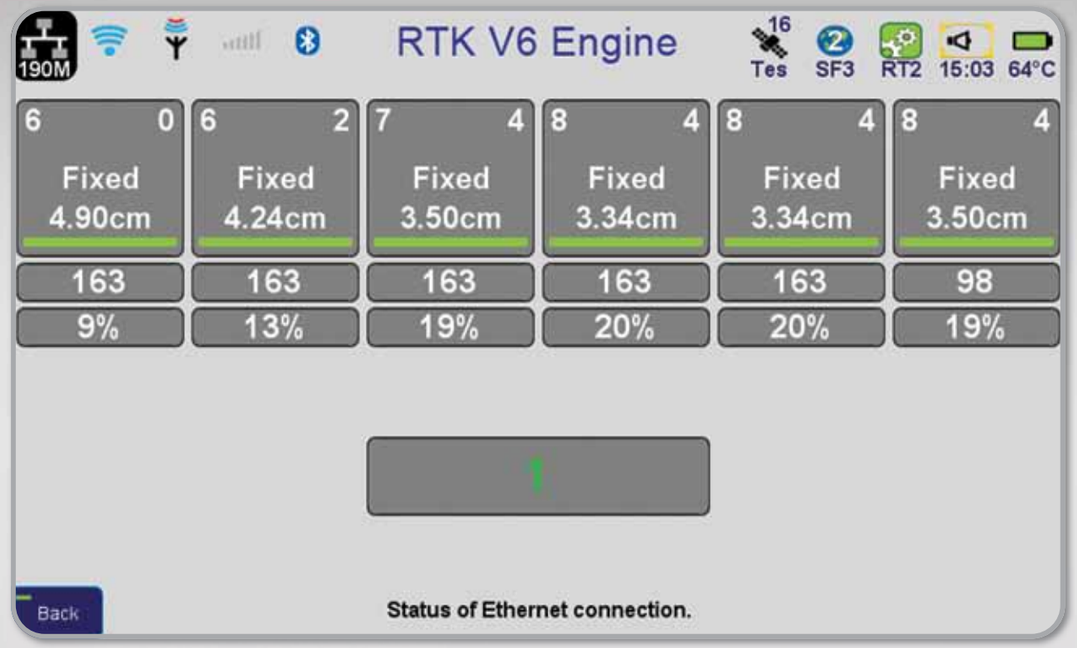
Six Pack RTK V6 Engine



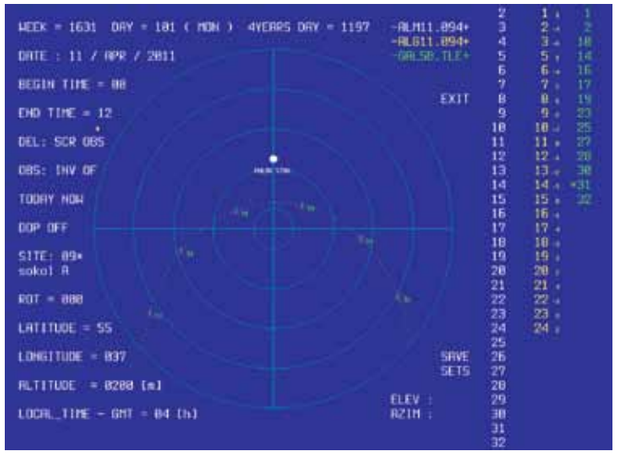
We invented and implemented the six pack RTK V6 engine (patents pending). Six RTK engines work in parallel to produce the best results in all conditions.

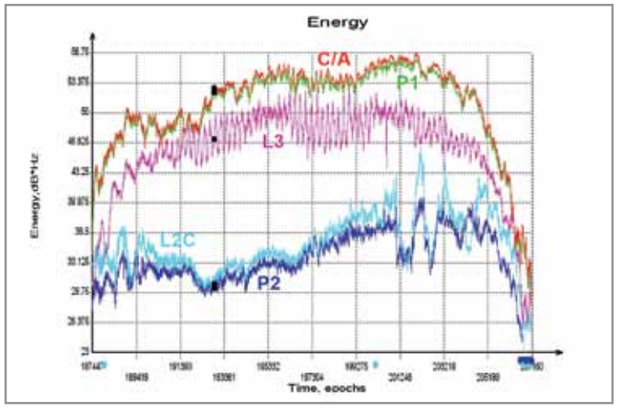
Please see www.JAVAD.com for details.

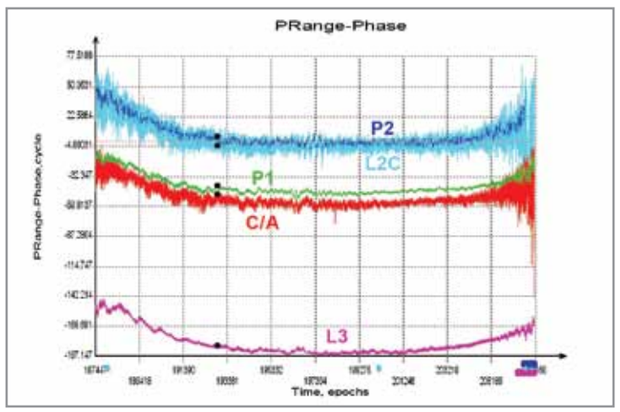
GLONASS-K L3 CDMA

Starting 02:30 GMT on April 8, 2011 we tracked the first CDMA signals of GLONASS-K satellite on L3 GLONASS band.

Data were logged at our Moscow office on April 11, 2011 from 00.00 till 07.30 Moscow time. Satellite's ground path, code-minus-phase and SNR are shown below. Data quality is quite similar to GPS.



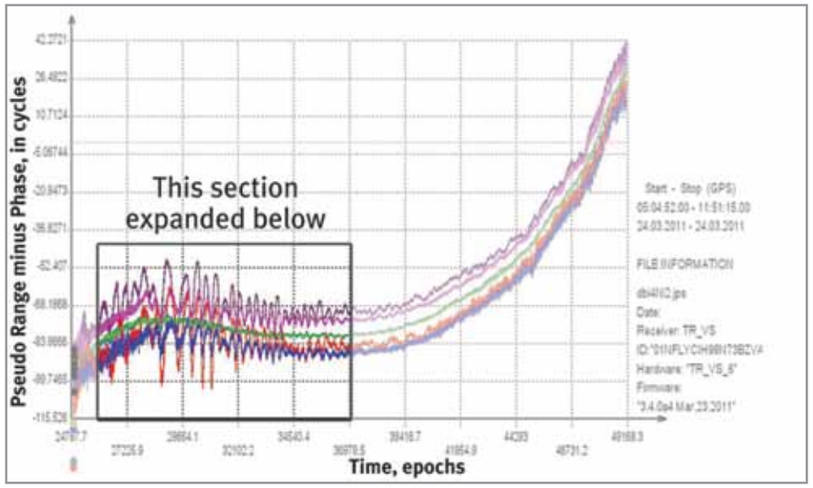


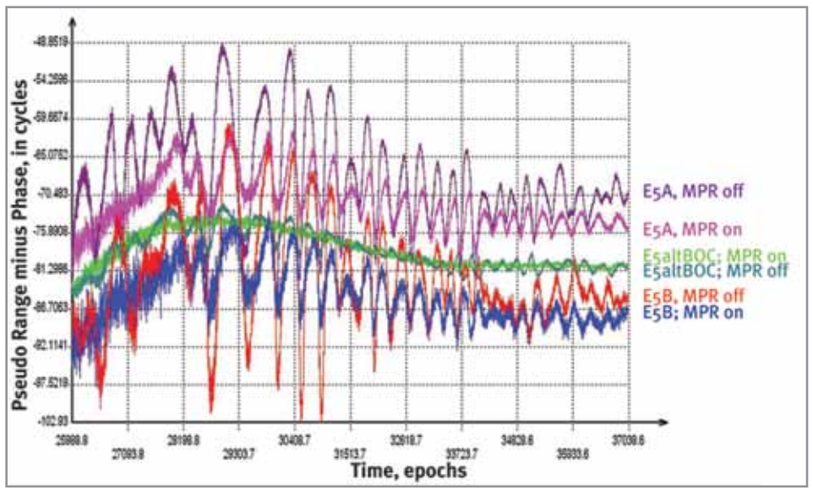


Galileo E5 altBOC

Truimph-VS receiver has the option to track E5A, E5B and E5altBOC signals now. These 3 signals may be tracked independently, but as expected, E5 altBOC combination shows great multipath reduction compared with separate E5A or E5B signals. JAVAD's superior multipath reduction (MPR) technique makes it almost perfect.

Six plots in this graph show three signals, each with and without JAVAD's multipath reduction feature.





These are not lab tests; all in receivers that we

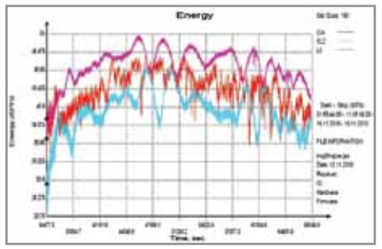
QZSS Satellite

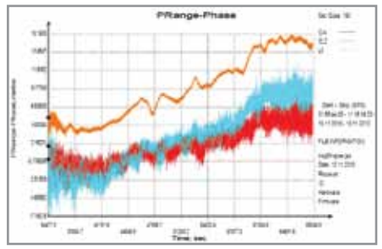
Another first: On the afternoon of Friday October 29, 2010, JAVAD GNSS engineers in Moscow tracked Japan's first QZSS satellite and its new L1C signal, as we reported earlier.

We update our report by presenting C/A, L2C, L5, SAIF and the new L1C signals that were collected on November 10, 2010 from 02.00 till 12.00 UTC, when QZSS-1 satellite was visible in Moscow. QZSS is the first satellite which transmits new L1C signal.

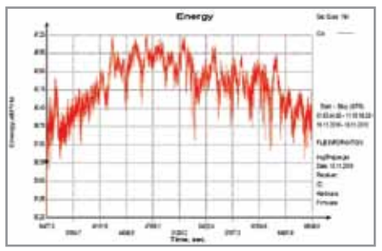
All of the current JAVAD GNSS receivers, including OEM boards, ALPHA, DELTA, SIGMA, TRIUMPH-1 and TRIUMPH-VS can track QZSS signals with a software update. The software upgrade may be released as early as next week.

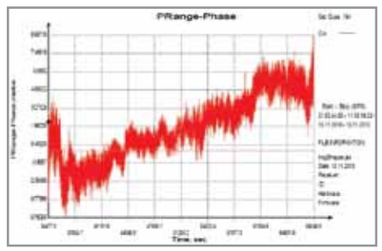
Figures below show "SNR" and "code-minus-phase" plots for all the above signals **QZSS C/A, L2C, L5 signals:**

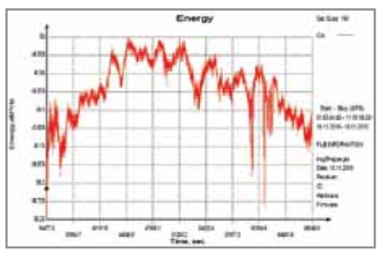


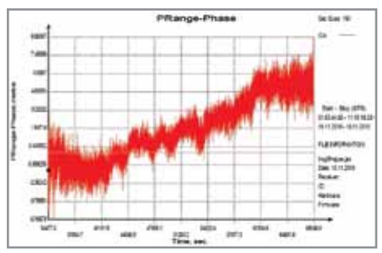


QZSS SAIF signal:



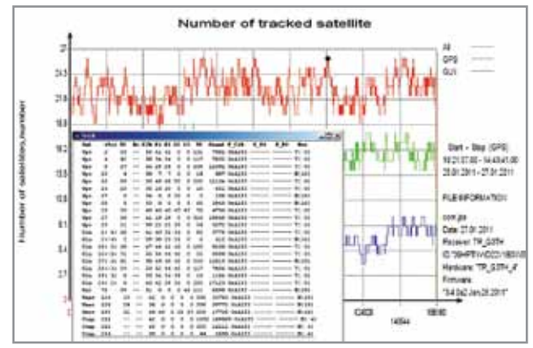






Chinese Compass (Beidou-2)

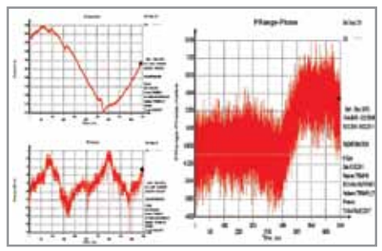
With modified firmware, all JAVAD GNSS receivers can track Chinese COMPASS B1 signal now. This is 6th GNSS system supported by JAVAD GNSS (GPS, Glonass, Galileo (Giove), SBAS, QZSS, COMPASS). Log file, collected on TR_G3TH board in Moscow during weekend, reported up to 26 (!) satellites locked simultaneously see picture below.

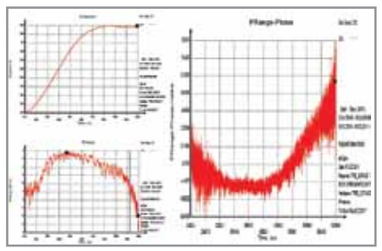


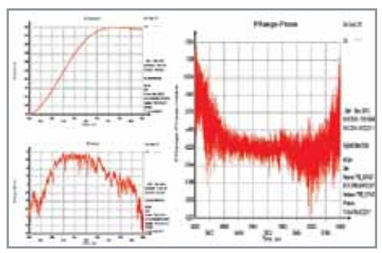
Among them:
11 GPS satellites with C/A, P1, P2, L2C, L5;
8 Glonass satellites with C/A, P1, P2, L2C;
1 Galileo (Giove) satellite with E1, E5A;
2 SBAS (Egnos) satellite with C/A;
1 QZSS satellite with C/A, SAIF, L2C, L5, L1C
3 Compass satellites with B1.

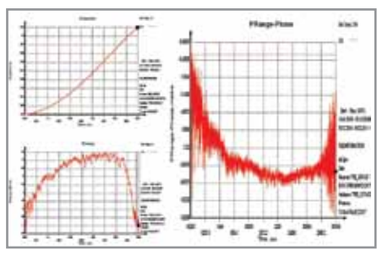
Compass system currently consists of 6 alive satellites, 4 of them are visible in Moscow: COMPASS-G3, COMPASS-IGSO1, COMPASS-IGSO2 and COMPASS-M1. Their day track is shown on next picture.

Below are Doppler, SNR and "code-minus-phase" graphs for all these satellites (G3=211, IGSO1=212, IGSO2=213, M1=214), collected during their pass:









ship in mass production today... Just for the record.

All these innovations in receivers that we ship in mass production today.

TRIUMPH-VS

TRIUMPH-1

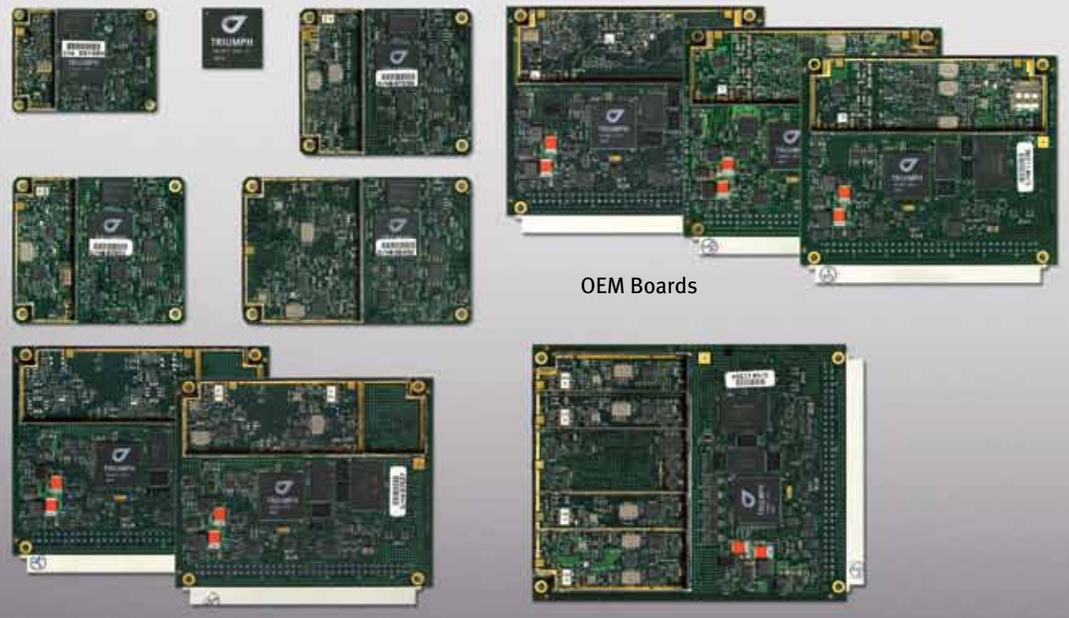
TRIUMPH-4X

Alpha

Delta

Sigma

GISmore



OEM Boards

Please see www.JAVAD.com for details.

Free Tutorial
Javad Video Lessons
www.JAVAD.com

Introduction to Triumph-VS

RTK with base station and UHF

Maps & Points

In the Field With RTK

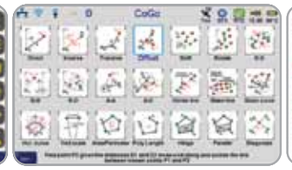
Draw (Manage Points)

VRS (LAN, Wi-Fi, GPRS, NTRIP)

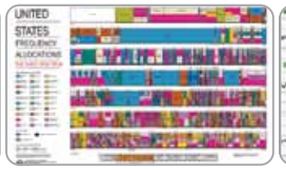
Six Pack RTK V6 Engine

Selecting local coordinate system

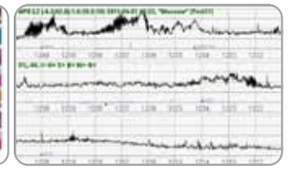
Creating local coordinate system



CoGo



Introduction to GNSS Spectrum



TRIUMPH-VS GNSS Spectrum Analyzer

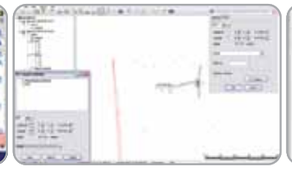
Stakeout and Stake-Survey

Structure Monitoring

Base station

Support, update software, OAF

Inside Batteries



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NetHub

NetView