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Now, what's tomorrow's challenge?

FIRMWARE BULLETIN

3.36 Firmware for OEM2 / PC2 GPS Receivers

Firmware 3.36 is now available for all models of OEM2 and PC2 GPS receivers. It has the following enhancements since Firmware 3.35:

- Added New Logs

FRM	Framed Raw Navigation Data
PAV	Positioning Averaging Status
PRTK	Computed Position
RGED	Compressed form of RGEA log – Channel Range Measurements
RTK	Computed Position – Time Matched
VER	Receiver Hardware and Software Version Numbers
FRW	Framed Raw Navigation Words

- Added New Commands

FRESET	Clears all data which is stored in non volatile memory
POSAVE	Implements position averaging for reference station
RTKMODE	Set-up the RTK mode

- Modified Command

UNLOGALL	Now includes an option to disable all logs on a specified COM port only

- Reset Clock Model

  The clock model resets 60 seconds after signal loss.

3.35 Firmware for OEM2 / PC2 GPS Receivers

Firmware 3.35 has the following enhancements since Firmware 3.34:

- Ability to use RTCA message types

  It is now possible to achieve RT-20 positions using either RTCM or RTCA message types. This means it is now possible to use single or dual frequency base stations for RT-20 positioning.

- Handles GPS week roll-over

  The transition from GPS week 1023 (on Saturday August 21, 1999 at 23:59:59) to GPS week 0 is successfully handled.

- Additonal data logs available

  Two additional data logs, PRTK and RTK (as used for RT-2) now have been added.

- Enhanced tracking

  Improvements in tracking, specifically under helicopter blades have been incorporated.

- Ionospheric model updated

  The ionospheric model used has been updated so that it is now compliant with GPS-ICD-200 specifications.

- Erroneous prompts ignored

  Erroneous feedback or messages from other cards are now ignored. This prevents faulty, unwanted commands being interpreted as valid commands.

- SAVECONFIG bug fixed

  It is now possible to save a user specified datum. Prior to this release, the USERDATUM was not being saved and was being reset to WGS84 even when a SAVECONFIG was requested.

- Baud Rate Performance Improvements

  RS-232 baud rate performance has been improved to provide more reliable throughput. This is especially noticeable at higher baud rates.

For the best performance, users are urged to use the latest firmware available.

If you require more information on these or other NovAtel GPS products, please contact the Customer Service Department:

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