



NovAtel Announces SPAN™ 3.044 Firmware for SPAN

NovAtel Inc. is pleased to announce our latest firmware release for the SPAN (Synchronized Position Attitude and Navigation) family of products. NovAtel's SPAN products combine GPS and inertial technology to deliver continuous, high-rate and accurate position, velocity and attitude solutions. Fast GPS signal reacquisition times and superior solution bridging through GPS-restricted periods are a result of our tightly coupled GPS/INS integration.

NovAtel is committed to providing excellent value to our customers in the form of firmware updates and upgrades. By providing this functionality as a firmware update, customers can apply it to their existing receivers, enabling quick changeover and no downtime.

This latest firmware release is available at no charge to all OEMV and Propak-V3 SPAN customers.

Fixes in the SPAN3.044 firmware release include:

- **Conflicting wheel sensor input formats:** using an external WHEELVELOCITY input message when using an FSAS IMU resulted in two sets of TIMEDWHEELDATA logs, only one of which was valid. This did not impact real-time usage of the wheel data or real-time positioning results, but was a problem in post-processing. If wheel sensor integration is done via the iMAR FSAS IMU, the TIMEDWHEELDATA logs will only be produced upon first motion. After the first motion is detected, TIMEDWHEELDATA logs will be produced at 1 Hz.
- **Attitude solution in MARK1PVA and MARK2PVA logs:** the attitude solution in the MARK1PVA and MARK2PVA logs has been improved. Previously, there was a flaw in the interpolation to the precise mark time and the attitude in the MARK1PVA or MARK2PVA logs could be incorrect if the attitude was changing rapidly.
- **Support for all SPAN IMUs:** This firmware version now has support for all SPAN-capable IMUs.

For more information on NovAtel products and latest firmware, please contact your local sales representative. A complete list of NovAtel dealers is available at <http://www.novatel.com/sales/dealers.htm>.