RELEASE NOTES

July 4th 2019 Spectra Geospatial Distributor Confidential

SP20 V3.69 Firmware Release

Introduction

This document is the firmware release notes for the SP20 V3.69 version. This version is minor version with new features, improvements and bub fixing.

Upgrade procedure

Customer can upgrade SP20 new firmware by following this procedure:

- Download firmware from: http://trl.trimble.com/docushare/dsweb/Get/Document-918187/sp20_upgrade_v3.69.tar
- Copy sp20_upgrade_3.69.tar file in download folder of SP20
- Start GNSS loader
- Select “Upgrade Firmware”
- “sp20_upgrade_3.69.tar” appears on the Upgrade firmware window
- Just clic on it and follow instructions

Firmware list and versions

General version number: 3.69 – July 2019
FW Components

- SL S82V22g
- GNSS FW P82V37
- U-Boot 0.21
- Linux gnss 3.0.101#883
- ITRF Library 2.2.2
- HTML: H82V21
- WebService: W82V19
- Metis.lib ALGO_2016.9_52X C121879
- Antenna.ini file 8.36 beta+

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New features

- Trimble RTX Field Point support

Resolved problems (since version 3.67)

- Improve reported accuracy (which was sometimes too optimistic)

Known issues

None

Recommendations

- ATL log: We recommend end user in case of receiver performance problem to record atl.log and share it with Tech Support. W/o atl.log file, the ability to help end user will be much less.
- GNSS: While SP20 can work with different subsets of GNSS (e.g. GLO only, BDS only, GLO+BDS), user must realize that exclusion of any available GNSS system may result in degraded positioning performance
- NTRIP: When working with Ntrip service, user is recommended to select VRS mount point over MAC and FKP. In general with wide variety of different mount points, always try select points with multiple GNSS data
- RINEX: when converting receiver raw data to RINEX it is desirably to generate RINEX3.02 (latest released version) data as legacy RINEX-2.11 does not support many of GNSS signals SP20 tracks.