Trimble R7 and 5700 Firmware issue for receivers with FW less than 2.3

UPDATE 16 APR 2016: Email addresses for requesting codes:

UNAVCO Community members: marc.dahlberg@trimble.com
non UNAVCO Community members: Sales.TrimbleProtected@Trimble.com

The following is a statement from Trimble that explains the issue.

Trimble message:

On February 14, 2016, certain older versions of Trimble firmware will experience what is akin to a GPS week rollover. Trimble 4700 and 4800 GPS receivers will experience issues during the rollover. Receiver data outputs will have the wrong time reference. This will negatively impact subsequent systems that are communicating with that receiver. For example, here is a RINEX file created using just the raw data file and no TEQC flags:

e.g. teqc -week #### FILENAME.dat > FILENAME.obs  (where #### is the GPS week number that that the data was collected on).

For the single 5700 receiver listed, this can be updated to firmware v2.30 or higher and will be fine. All NetRS receivers reported showed firmware version 1.1. Unfortunately, there is no technical solution available for the Trimble 4700 and 4800 GPS receivers to correct this issue. However, if your receiver is running with a firmware less than 2.3 it will need to be updated in-order for it to operate again. Further testing has shown the 4000S/E/SSE/SSI will also handle the rollover without issue.

IMPORTANT: For users who have bad data that was collected after 14FEB16. You can correct for the week offset in the data by using TEQC to create your RINEX data. By using the "-week" flag in TEQC, you can force the correct week to be used when creating RINEX files.

For example, here is a RINEX file created using just the raw data file and no TEQC flags:

---
-Unknown- -Unknown- OBSERVER / AGENCY
0440100569 TRIMBLE 5700 1.24 REC # / TYPE / VERS
00000000 TRIM 1249.00 NONE ANT # / TYPE
-1282457.3621 -4718377.6066 4084178.4582 APPROX POSITION XYZ
0.0530 0.0000 0.0000 AN ENNA: DELTA HE/N
1 1 WAVELENGTH FACT LV2
7 L1 L2 C1 P2 P1 S1 S2 # / TYPES OF OBSERV
17 LEAP SECONDS
SNR is mapped to RINEX snr flag value [0-9] 
COMMENT
1996 7 12 18 32 30.0000000 GPS TIME OF FIRST OBS
END OF HEADER
---

Here is the same data but this time the ' -week 1885' flag was used:

---
-Unknown- -Unknown- OBSERVER / AGENCY
0440100569 TRIMBLE 5700 1.24 REC # / TYPE / VERS
00000000 TRIM 1249.00 NONE ANT # / TYPE
-1282457.3621 -4718377.6066 4084178.4582 APPROX POSITION XYZ
0.0530 0.0000 0.0000 AN ENNA: DELTA HE/N
1 1 WAVELENGTH FACT LV2
7 L1 L2 C1 P2 P1 S1 S2 # / TYPES OF OBSERV
17 LEAP SECONDS
SNR is mapped to RINEX snr flag value [0-9] 
COMMENT
1996 7 12 18 32 30.0000000 GPS TIME OF FIRST OBS
END OF HEADER
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