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## OEMV GLONASS Tracking Error

### Summary:

Due to a recent change in the broadcast almanac data stream from GLONASS satellites, OEMV receivers running version 3.700 or later will reset while downloading the GLONASS almanac.

### Products Affected:

All OEMV GLONASS-enabled products with firmware 3.700 or 3.710.

### Region Affected:

World Wide

### Details:

A change in the data provided in the GLONASS almanac causes the receiver to output the following message.

< Error : SCAF\_Assert, allprnlist.cpp, 117 >

### Solution:

There are two separate firmware fixes for versions 3.700 and 3.710, respectively. The appropriate firmware, as outlined below, needs to be loaded on the receiver.

#### For all OEMV-1G, OEMV-2 and OEMV-3 products

3.700 was fixed with 3.700S32; download is available at <ftp://novatel.ca/incoming/3700S32.zip>

#### For all SmartAg products

3.710 was fixed with 3.710S7; download is available at <ftp://novatel.ca/incoming/3710S7.zip>

Until the firmware fix can be loaded onto the receiver, the temporary solution is to disable GLONASS on the receiver using the following steps:

1. Disconnect the antenna (If possible)
2. Power cycle the receiver
3. Issue the FRESET command to the receiver as quickly as possible

Note: You may have to repeat steps 2 & 3 a few times in order to issue the command before the SCAF error occurs.

4. Send the following commands:

```
assign 16 idle  
assign 17 idle  
assign 18 idle  
assign 19 idle
```



assign 20 idle  
assign 21 idle  
assign 22 idle  
assign 23 idle  
assign 24 idle  
assign 25 idle  
assign 26 idle  
assign 27 idle  
saveconfig

5. Configure the receiver to your application's needs
6. Issue a saveconfig command again to save your final configuration
7. Plug in the antenna

**Application Notes:** None Available

**Download Update:** Firmware .hex files available at the following FTP link:

<ftp://ftp.novatel.ca/incoming/3700S32.zip>  
<ftp://ftp.novatel.ca/incoming/3710S7.zip>

Please contact [support@novatel.com](mailto:support@novatel.com) for Auth codes.

**For more information please contact [support@novatel.com](mailto:support@novatel.com).**