



CO-OPS Engineering Bulletin 25-001

Engineering Change: Upgrade all Satlink2 GOES Satellite Transmitters to v7.49

Systems Affected: Systems implementing a Satlink2 transmitter

Originating Team: Measurement Systems Configuration Subcommittee

Approval Date: 23SEP25

Background: On 19SEP25 CO-OPS received notification from OTT HydroMet that they had identified a GPS sync issue affecting Satlink2 logger/transmitters using GOES. The problem occurred following a GPS rollover event on 13SEP25 and prevents the units running firmware older than v7.49 from obtaining a GPS time sync. Without a time sync units produced prior to 2010 stopped transmitting immediately. Units produced after 2010 will continue to transmit for 30 days and will then stop transmitting on 13OCT25. Upgrading the system firmware to version 7.49 will restore full functionality.

Action Required: Upgrade all SatLink2 GOES satellite transmitters to firmware version 7.49 at the earliest opportunity:

Satlink2
SatLink2 Firmware Version 7.49
Bootloader 7.00
PIC 6.06
GPS Trimble Nav 1.16

****After the transmitted upgrade is completed, verify that the unit is able to obtain a GPS time sync and that the UTC Offset under the GPS tab is set to -18. If still not working as expected contact CIL or SIL for guidance.*

Estimated Time To Complete: 15 minutes per unit

References:

CO-OPS SOP 3.2.3.5 (E1) Standing Project Instructions for Coastal and Great Lakes Water Level Stations
CO-OPS 4.3.1.2 (B3) Satlink 2 Logger and Transmitter Operations and Maintenance Manual
Satlink v7.49 firmware package download available on Google Drive [here](#)