



# CO-OPS Engineering Bulletin 15-002

**Engineering Change:** Upgrade the Satlink2 GOES Satellite Transmitters to v7.24

**Systems Affected:** All systems implementing a Satlink2 transmitter

**Originating Team:** Chesapeake Instrument Lab

**MSCS Approval Date:** 11 September 2015

**Background:** The SatLink2 GOES satellite transmitters require firmware upgrades to fix existing bugs, take advantage of new technology, and account for changes in the satellite systems that the transmitters use. This version of the Satlink firmware is compatible with the Satlink2 V1 and V2 transmitters. CO-OPS will continue using Satlink2 V1 transmitters for a number of years as they slowly transition the data collection systems to V2 transmitters. During this period a single accepted firmware version is desirable to ease maintenance requirements. This version of the firmware also transfers additional status information from the Satlink to the datalogger and is viewable in the "Satlink Status" window. This status information will aid in remote trouble shooting of GOES transmission issues.

**Action Required:** Upgrade the SatLink2 GOES satellite transmitters to the following versions during the next regularly scheduled site visit. The detailed upgrade procedure is available in SOP #3.2.3.9 (I27-1), which can be found in the Field Library using a keyword search on Satlink and upgrade.

## Satlink2 V1

SatLink2 Version 7.24

Bootloader 7.00

PIC 6.02

GPS Trimble Nav 1.6

## Satlink2 V2

SatLink2B V2 Version 7.24

Bootloader 7.00

PIC 6.06

GPS Trimble Nav 1.16

**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 SOP 3.2.3.9 (I27-1) Upgrading the Satlink2 GOES Satellite Transmitters to v7.24

CO-OPS 4.3.1.2 (B3) Satlink 2 Logger and Transmitter Operations and Maintenance Manual.pdf