

# How to Retrofit a Storm 3 Data Logger with the YSIT-1 when Connected to an H-2221

## Purpose:

This document contains instructions on how to replace an H-2221 satellite transmitter with the YSIT-1 GOES satellite transmitter (PN: 615100), when paired with a Storm 3 data logger.

1. Disconnect all cables from the H-2221 transmitter.
2. Remove the RS-232 cable from the Storm 3 data logger that was connected to H-2221 transmitter.
  - **NOTE:** This cable is NOT required when using the YSIT-1 transmitter with the Storm 3 data logger. You may discard the cable or keep it for future use.
3. Replace the H-2221 transmitter with the YSIT-1 transmitter.
4. Reconnect:
  - The existing GPS Antenna Cable Assembly to the YSIT-1 transmitter's "GPS" connector
  - The existing GOES Antenna Cable Assembly to the YSIT-1 transmitter's "ANTENNA" connector
  - The existing Power Cable Assembly to the YSIT-1 transmitter's "POWER IN" connector
5. Connect the new 9-pin Male/Female RS-232 Cable Assembly (PN: 360422) to the Storm 3 RS-232 Com connector. Connect the other end of this cable to the RS-232 connector on the YSIT-1.
  - **NOTE:** The male/female coupler packaged with the RS-232 cable assembly is not required for the Storm 3. You may discard the adapter or keep it for future use.



Figure 1: YSIT-1 GOES Satellite Transmitter

## You Will Need:

- YSIT-1 Retrofit Kit for Storm 3 & XL Series Data Loggers (PN: 910083)
  - 9-pin Male/Female RS-232 Cable Assembly (PN: 360422)

SEE EXAMPLE IMAGES ON NEXT PAGE



## BEFORE RETROFIT:

Power Cable

GOES Antenna Cable

RS-232 Cable (Old)

GPS Antenna Cable



**Figure 2:** H-2221 Satellite Transmitter connected to a Storm 3 Data Logger

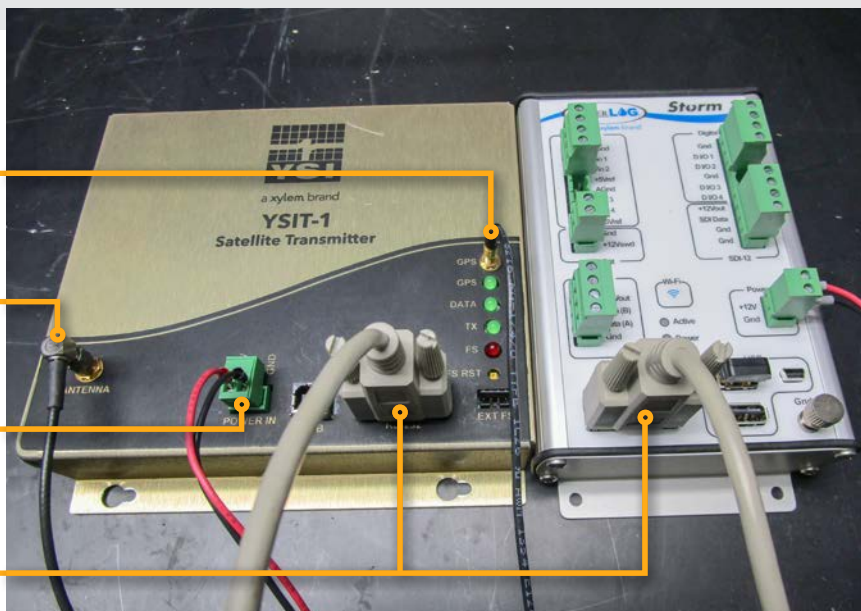
## AFTER RETROFIT:

GPS Antenna Cable  
(Existing)

GOES Antenna Cable  
(Existing)

Power Cable  
(Existing)

RS-232 Cable  
(PN: 360422)



**Figure 3:** YSIT-1 GOES Satellite Transmitter connected to a Storm 3 Data Logger

YSI, a Xylem brand  
1725 Brannum Lane  
Yellow Springs, OH 45387

+1.937.767.7241  
info@ysi.com  
YSI.com



a xylem brand