

Install EC150 on s13

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Removed CSAT SN 1117 on s13. Replaced it with EC150, sonic head 1311, gas head 1277. This was in order to get an additional water vapor measurement.

Updated the XML, installed the new isfs-field-vertex package on s13. Moved the interface panel jumper from RS232 to RS422 for port 6. Set emode 6 422 in pre_dsm.sh for s13.

Unfortunately this unit does not seem to be working. Sonic and gas head LEDs in the EC100 stayed red. It worked in the trailer...

If I removed the gas head connector in the EC100 electronics box, then powered it up, the sonic LED would go green.

At first we heard the gas head making a bit of a rough noise, like worn bearings, which we also heard then testing it in the trailer.

Then after removing/reconnecting the cable at the EC100 we did not hear the gas head, and the gas LED was red.

Unloaded voltage at the connector was 13.6 V. Don't know the voltage under load, since I could not reach the screw terminals on the connector with the DVM probes.

Could not display the data on over a serial connection to the DSM console, since the DSM is strapped too close to the tower. Since time was short, we left it in that state, sonic LED green, gas LED red.

On arrival back at the trailer, see that the sonic data is coming at 10 Hz, but is all hex FFFF.

This sensor is configured as ID 13,55, with the duplicateIDOK=true option in the XML, so that two sonics are defined for this site, with the same u,v,w,tc,diag,spd,dir variable names, but from different sensors. In this way we don't need a second config XML.