

Site Visit 12-15-2011

Who: Ned, Christopher

When: December 15, 2011. Arrived 9:51am, Departed 12:00pm

Removed Licor (sn 1176) from 15m.

Note, by Gordon, Jul 13, 2012: There is no sn1176. I think this must have been unit sn1167, which according to the log entry of 4/12/2011, was installed at 15m.

When removing this sensor due to bad chopper motor, it was not running. Rebooted sensor and heard the chopper motor in the head and it sounded bad. Removed the 7m Licor (sn0813) and taped up connections and moved this Licor to the 15m height. Plugged in all connections as normal (signal green cable and power through BNC). All looked (and sounded) great. Replaced the TRH fans at heights 7m and 15m. Both fans sounded REALLY bad. The 2m TRH fan did not sound very good either. Guessing we will be replacing that fan soon.

*Did notice that when the Licor 1176 was at 15m and before removal I checked power at the inside green connector. Voltage was going from 12.9V to 11.4 V every six seconds. Odd cycle, but this also seemed odd in general. Checked the power at the 7m height when removing that Licor and it had the same cycle but not as drastic. Took a voltage reading at dsm, voltage was cycling. Took reading at battery bank and did see the cycle but not as drastic. Noticed the battery charger was pulsing to charge the battery bank. It was on the 'deep cycle'. We switched charger to 'conventional cycle' and it all stopped. No more voltage swings. We also wanted to know why the batteries were not taking out that pulsing to the tower. One of the batteries must be bad or wrong charger for batteries. We unplugged the charger to see what the load did on the batteries, checking for bad battery. In 15minutes we dropped from 13.10V to 12.47V. Not much of a drop. Leaning to more of the wrong charger cycle and will monitor the battery bank on this current setting.