

ISS setup 17 March 2022

Mostly sunny with some clouds in the valley this afternoon, light winds.

We worked at all three sites again today:

ISS1 (County HQ): installed the Lufft WS800 sensor on the three meter tower

ISS2 (Rancho Alegre): conducted a training session with the students and postdocs who will be the sounding operators for ISS2 and ISS3. They were a great class. Also installed the Water Vapor GPS sensor, PurpleAir aerosol sensor, and a USB camera for monitoring sky conditions. Gary did a bunch of network and computer configuration work.

ISS3 (Sedgwick): John continued his heroic effort to diagnose the 915 MHz wind profiler. He found that the second circulator installed yesterday was likely faulty so removed that, and the second limiter might be giving a marginal improvement. We will discuss options further in the next few days, but currently we are considering replacing the local oscillator with a signal generator which will enable the frequency to be tuned to better match the antenna and hopefully give a better return loss figures and thus less of the clutter like signal swamping the atmospheric returns.



First sounding class of SWEX2022