

# ISS networking setup 6/24

I got both ISS sites at Marshall on the net today.

Of the existing ISFS ubiquiti setup, I had to pivot the pedestal ubiquiti a bit so it was more directed at the ISS sites. That doesn't seem to have any affect on the link to the ISFS tower. I also changed the link type of the two existing ubiquitis to 'point to multipoint' from 'point to point', so I could add new links to the same network.

At MISS I mounted the ubiquiti on the rail on the roof of the trailer:



I asked John about interference with the sounding antenna and he thinks they're far enough apart it should be fine. I guess we'll know better once we turn the sounding system on.

At ISS1 I happened to have a pole that would fit where the railings would mount on the trailer platform that isn't currently set up. Feel free to improve upon my mounting techniques...



Both ubiquitis are aimed at the ubiquiti on the mar-m05ped pedestal, between the RAL trailers (behind MISS) and some of the bigger snow gauges:



The distance is short and line-of-sight is good, so there's no need for them to be as high up as they are. Anything above 4 or 5 feet and with line of sight should work.

Both data managers are directly on the Marshall network on their WAN interfaces, no router anymore. Details on how to access them on the networking page. It just occurs to me that I didn't remove or turn off the cell modem at MISS, but hopefully that won't matter if we're not sending any data over the cell link.

While I was still at Marshall Steve told me it was no longer on the net, so I went to investigate. Lights were on and fans were running but I couldn't log in over ethernet and didn't have the console cable to try that, so I rebooted. Seems to have come back up OK (except that now it's down again with the same PIO problem we had last week). I suspect the cause may have been that I unplugged and replugged the power side of POE injector in the dsm, to power cycle the ubiquiti so I could get to its wifi interface, and it seems like sometimes unplugging/replugging other cables will cause similar dsm problems. Haven't had a chance to check the logs about it, but I will when it's back up again.