

**Plishner site trip summary of 6-20-20:**

Ray Uberecken , Bob Haggart and Bill Miller went to the Plishner site on Sat. June 20.

Bob reinstalled the Operations Center (formerly called the Comm. Trailer) heater with a 30Amp, 220 line cord and plug making the heater removable in the summer for the convenience of the lab cubical he built there.



The trailer has had a lot of dirt infiltration this spring and Bob is working on ways to tighten the trailer doors, interfaces and air conditioner windows to shore this up.

Ray installed a GPS time base distribution panel and a new 12 volt power supply panel. Bill attached the power supply with the 8 wire distribution cable leading to the dish feed electronics box.



Ray installed two flexible coax cables to solve the problem of the elevation rotation pulling out the cable. These cables now have a slack loop on the elevation axes with rotational couplings to eliminate the Azimuth cable wrap problem.

Bill remounted one of the large solar arrays that had torn itself free from the back of the battery shack in the wind.



Ray and Bill removed the Azimuth and Elevation Encoder A/B switch boxes to improve the encoder position reliability.



Bill and Ray climbed the scaffold and installed a new electronics box on the dish feed point with 12 volt power and the 20 dB amplifier that was in the comm. trailer. Eventually 120 Volt power will be added at the feed and connection of the Fiber Optic cable to the 1420 preamps is available.

Ray did a TDR on all the feed lines from the trailer and verified the connections and operation of the 408 MHz feed.





Bill donated and brought in an extra air conditioner for installation the next time and lubricated and reconnected the operations center solar powered fan to reduce the trailer temperature and conserve the unattended equipment in warm weather. Please keep this attached when leaving the center in the summer.

