

# FLR servicing

Clayton and I were in the crater, starting down at 11:15 and returning to the visitor center about 3. Tasks done:

FLR tower:

- Swapped serializer, noted voltage returned to 1.68V (rather than 0.05V seen before we set out).

I've plotted kh2o and tc time series for both far and flr. tc and kh2o are well correlated in both cases. Also in both cases kh2o is noisier than tc, mostly noticeable when the variance is low. I conclude that this serializer is working acceptably well.

- Removed FET jumper on PWR mote serial port. Verified that we could still talk to it.

SSW1:

- Battery was at 3.3V, even with full sun. Replaced with spare battery module that we had brought down. Gordon reported that it was back up.

SW:

- Battery was at 12.48. Just fine.

WSW:

- Battery at 14.56, slowly dropped when solar panel disconnected, which seemed normal.

W:

- Battery was at 11.28. Didn't change when charger removed, so guessed that battery wasn't charging. Opened up box and noticed diode on battery side of charger. This <seemed> okay, but pulled it out and tried again. Voltage jumped to 11.68 and continued to slowly climb (in full sun). Declared it fixed.

Enjoyed our tumbleweed swim. Enjoyed less our game of boulder rolling.