

# Sites, Station List

Gary asked about site locations, to use for Ubiquiti link feasibility ([airlink](#) (old) or [link](#) (new)), so this is a start:

A map that Dan has created is available [here](#).

After talking with Gary/Isabel, I've created a [shared link](#) to an entire network design. (Updated 11/3/21, with close to final positions. LC and PC would need to point to DCS, others to PRS.)

Site	Site Name	Lat	Lon	Tower height (m)	Configuration	Sensor. [Heights]	Punchlist items (12/15)
prs	Provo River Supersite	40.528118	-111.445836	32	Paroscientific, TRH, CSAT3A, EC150, OTT, CS125	P.2m,  TRH.[2m, 3m, 7m, 17m, 32m],  sonic.[3m, 7m, 17m, 32m]  irga.[3m, 7m, 17m, 32m],  ott.1m	<ul style="list-style-type: none"> <li>■ add DSM PRST (needs holes drilled for cell clamps into fender)</li> <li>■ install sensors on TT</li> <li>■ add power stuff to job box (connect to AC); make Y cable to separately power DCST and DCSR+DCSG DSMs</li> <li>■ connect all heater and fan power cables</li> <li>■ install CS125 5' to SSE of Ott</li> <li>■ add V2.7 mote to CVF4-housed radiometers on UU darkhorse; plug it into an unused DSM PRSG port (will require a longish bulgin cable); configure this port (spo can configure)</li> <li>■ connect other 3 V2.7 motes on UU darkhorse to DSM ports designated as 2compL – 2 on PRST and 1 on PRSG (order doesn't matter yet)</li> <li>■ Check that all motes are switched on inside the box. Also check that mp=0 (wisard format) – spo can do this over the network.</li> <li>■ add caps to unused mote ports (LOTS are in the DSM kit)</li> <li>■ update software</li> <li>■ sheath cables on the ground</li> <li>■ cut south TT footpads to 1/4 size (2'x2')</li> <li>■ erect tower!</li> </ul>
dcs	Deer Creek Supersite	40.490101	-111.464737	32	Paroscientific, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01), CS125	P.2m,  TRH.[1m, 2m, 3m, 7m, 17m, 32m],  sonic.[1m, 2m, 3m, 7m, 17m, 32m],  irga.[1m, 2m, 3m, 7m, 17m, 32m],  nr01,  all soils	<ul style="list-style-type: none"> <li>■ waiting for utility power – expected 12/20</li> <li>■ dry out radiometer dessicant and replace</li> <li>■ add power stuff to job box (connect to AC); make Y cable to separately power DCST and DCSR+DCSG DSMs</li> <li>■ connect all heater and fan power cables</li> <li>■ <del>recoat Rsw.out fan housing (DONE)</del></li> <li>■ add radiometer logger data cable (did, but doesn't work – check continuity of D9 pin 2)</li> <li>■ move NR01 to Manfrotto (don't think this is needed at prs)</li> <li>■ level Rsw.in Swartz</li> <li>■ TRH.1m and TRH.3m fan not working</li> <li>■ TRH.17m Rfan is oddly high</li> <li>■ <del>add caps to unused mote ports</del></li> <li>■ update software</li> <li>■ sheath cables on the ground</li> <li>■ erect tower!</li> <li>■ Connect batteries</li> <li>■ Relay board power cube</li> <li>■ USB extender</li> <li>■ Terminate 12v fan and heater on dark horse</li> <li>■ Cclamp</li> <li>■ Fix and affix fence</li> <li>■ Ground trailer tower</li> <li>■ Investigate relay board communication problems (maybe this is just because of the power cube)</li> </ul>
up	Upper Provo	40.557520	-111.428520	3	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01)	P,  TRH.[0.5m, 2m],  sonic,  irga,  nr01,  ott.1m,  all soils	<ul style="list-style-type: none"> <li>■ connect extension cord to power drop (when ready)</li> </ul>
mw	Midway Lane	40.508516	-111.437739	5	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01), CS125	P,  TRH.[0.5m, 2m],  sonic,  irga,  nr01,  ott.1m,  all soils	<ul style="list-style-type: none"> <li>■ add CS125</li> <li>■ add snow depth</li> <li>■ csat always reports bad data</li> </ul>

lc	Lake Creek	40.493 671	-111.32 7650	5	Paroscientific, OTT, TRH, NR01, Gsoil (REBS), Tsoil(NCAR), Qsoil(EC5), Tau63 (TP01)	P, TRH.[0.5m, 2m], nr01, ott.1m, all soils	<ul style="list-style-type: none"> <li>■ connect extension cord to power drop (when ready)</li> <li>■ add snow depth (true?)</li> </ul>
cc	Center Creek	40.466 344	-111.33 5625	3	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01)	P, TRH.[0.5m, 2m], sonic, irga, nr01, ott.1m, all soils	<ul style="list-style-type: none"> <li>■ Ground strap</li> <li>■ Y cable(for combining battery banks)</li> <li>■ Battery</li> <li>■ Nr01 amp termination</li> <li>■ Relay board power stub</li> </ul>
dc	Daniel Canyon	40.459 124	-111.37 7580	3	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01), CS125	P, TRH.[0.5m, 2m, cs.1m], sonic, irga, nr01, ott.[1m, cs. 1m] all soils	
sp	South Pivot	40.481 611	-111.43 7426	3	Paroscientific, OTT, TRH, CSAT3A, EC150, CS125, , Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01)	P, TRH.[0.5m, 2m], sonic, irga, ott, all soils	<ul style="list-style-type: none"> <li>■ Ground strap for DSM, tower, acorn for static dissipater</li> <li>■ 0.5 &amp; 2m sht suspect</li> <li>■ Nano transmitting but unknown units(outputting about 1833)</li> <li>■ Nano output not being parsed</li> </ul>
sh	Soldier Hollow	40.483 202	-111.48 7092	3	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01), CS125	P, TRH.[0.5m, 2m], sonic, irga, nr01, ott.1m, all soils	<ul style="list-style-type: none"> <li>■ CS125 outputting message, but wifi dashboard not ingesting</li> </ul>
pc	Pine Creek	40.543 386	-111.49 0119	3	Paroscientific, OTT, TRH, NR01, CSAT3A, EC150, Gsoil(REBS), Tsoil(NCAR), Qsoil (EC5), Tau63(TP01), CS125	P, TRH.[0.5m, 2m], sonic, irga, nr01, ott.1m, all soils	
mh	Memorial Hill	40.516 918	-111.46 1368	3	Paroscientific, OTT, TRH, CSAT3A, EC150, CS125	P, TRH.[0.5m, 2m], sonic, irga, ott.1m	<ul style="list-style-type: none"> <li>■ reinstall snow depth</li> <li>■ CS125 outputting message, but wifi dashboard not ingesting</li> <li>■ occasional bad CSAT samples(less than 1%). Worth replacing?</li> </ul>

base		40.486 491	-111.47 3050	5			