

Tear-down prep

Preparing:

- inventory: job boxes (3 in storage), manfrottos, otts (5 in lidar trailer, 1 in base), shts (only 13 in base), ???
- TT license plates (now in base) (dcs now done)
- OTTs to base from lidar trailer
- break cables out of ice (3 spots for DCS)
- pack up battery charger
- pack up soil oven

Timing:

- ~~Steve runs to Logan to pick up repaired cones?~~ The repairs have been delayed.
- All drives to/from site (especially TTs) should occur in the morning, when the ground is harder. Perhaps this means caching stuff on site and removing the caches in the mornings?
- Steve already there; Clayton arrives 2/23 (last day of ops)
 - tear down entire site into pickup and Penske; transfer pickup stuff into base
 - start with satellites, since Sebastian won't be available Thurs AM
 - remove heating stuff from CSATs
 - add washers to CSATs?
 - good luck removing soils!
 - figure out how to pack NR01s with ventilation systems
 - provide some assistance to remove PI sensors
 - sort out NCAR vs. UU radiometers/ventillators (relatively easy: CVF3s to UU, CVF4s to us; Binded sensors to us, rest to UU)
 - return HRXLs to UU – just cut cables?
 - return CS125s (DC is ISS's – E3412)
 - packing:
 - Rohn towers/bases/guys to 16' Penske
 - solar/job box to 26' Penske
 - manfrotto/square booms to 26'
 - other booms (including all TT) to 16'
 - cables sorted to base
 - DSMs to 16'
- Dexter available 3/1ish; Tony, Chris arrive 3/2ish
 - move solar panels, job boxes, manfrottos, etc from 16' to 26' Penske
 - coil up supersite power cables, pack in 16' Penske
 - help remove cc solar panels, if not already done
 - remove fencing to 16'
 - pull TTs out to BW road, if not already done
- someone pulls Ubiquiti from school roof
- need to pull out everything from DCS by 1 Mar

Need to arrange:

- Trailer Transit for base to SWEX (Dan did, pickup on 4 Mar afternoon)
 - loaded with
 - all sensors
 - a few CFACT DSMs as spares
 - cell modems pulled from CFACT DSMs
- Trailer Transit for TTs back to Boulder (Dan did, 26', pickup on 4 Mar from BestWestern)
- Penske from Boulder to bring SWEX infrastructure (Dan did, pickup 2/28 from Loveland)
 - PAM tripods; booms; clamps
 - more job boxes/batteries?
 - SWEX DSMs
- Penske in Heber to return to Boulder (Dan did, 16', pickup 2/23 from Strawberry). Load infrastructure directly into this.
 - power cables/transformers
 - Rohn towers
 - thermocouple motes
 - anything dead (solar panels with bad connectors, etc.) "bad stuff"
 - v2.7 stuff, Kipp&Zonens, CVF4s and cables
 - bulk of CFACT DSMs
 - round booms

Issues:

- Leave ventillation on NR01s, plugs into DSM AUX for power
- Bill wants his CS125 to go to SWEX

Organized by location:

- 16' Penske
 - Power cables (all), probably need to be removed from field via pickup
 - transformers
 - TT generators
 - Rohn towers (all), base plates, guys/straps
 - most CFACT DSMs
 - fencing stuff

- thermocouple interfaces
- sonic heater stuff
- CVF4s
- Kipp&Zonens
- used SHT85s
- v2.7 motes
- round TRH booms?
- TT brackets
- bad stuff
 - some TRHs
 - a DSM
 - a mote
 - the LC sonic?
- 26' Penske
 - solar panels
 - job boxes
 - manfrottos
 - sonic booms
 - NR01 booms
 - create site boxes?
- base
 - sonics/EC150s (EC100s with EC150)
 - TRH cases
 - QDPs (top shelf)
 - Otts and stands
 - Soils (1 tub)
 - DC power and data cables (sorted)
 - other sensor cables
 - cell modems
 - spare CFACT DSMs
 - NR01s (with ventillation)
 - v2.8 motes
 - cassette brackets
- Lidar trailer
 - ISS CS125

Site-by-site:

	road	carry	power	job boxes	ladder	comments	order
lc	muddy	medium	light AC, some digging and lots of ice/snow	1	6'	straightforward, better in AM extra clamp on mast	
cc	snow crust (use snowmobile!)	drive up?	solar (10 racks), break ice/snow	3	no		
dc	ok	drive up	light AC, ice/snow	1	no	straightforward	
sp	driveable	drive up	light AC, some snow/ice	1	no	straightforward, better in AM	2
sh	paved	drive up	light AC, snow/ice	1	no	straightforward	1
mh	icy patches (use chains), open bike gate	drive up	light AC, snow/ice	1	3'		
pc	paved	shortish	light AC, some digging, no snow	1	no	straightforward	4
up	driveable	drive up	solar (2 racks), no snow	1	no	access when frozen	
mw	ok	short	light AC, no snow	1	6'	straightforward	3
prs	muddy	drive up	heavy AC, transformers, no snow	2	8'	a lot of work, plus fence	5
dcs	muddy	drive up	heavy AC, transformers, break ice 3 spots	2	8'	a lot of work, plus 3xfences	6

Anything muddy, plan to drive in/out in morning. Rent a UHV to shuttle in and out of MH and CC?

For a satellite site carry in:

- ladder
- crowbar (optional)
- toolbag
- boxes
 - CSAT case
 - EC150 case
 - site box
 - 3xcardboard boxes

Carry out:

- job box

- 2 batteries + charger
- rohn section and base plate
- manfrotto
- ott stand
- 7–9 stakes, 1 auger?, ground rod
- 4 booms
- CSAT
- EC150+EC100+T beehive
- 2xTRH (cardboard boxes)
- NR01 (another cardboard box?)
- site box with
 - QDP+fittings
 - soils+mote
 - DSM
 - spline ball
- ladder
- tooibag

Supersite trips:

1. remove sensors
2. remove trailer
3. remove transformers and generator
4. remove power cable
5. remove fencing