

# Draft site visit tasks with mast raise and lower instructions

A start at a site visit task list (with what I remember from Kurt's lesson):

- lower the tower:
  - grab charged drill battery
  - set mast support
  - attach winch (rotated at angle)
  - attach pulley (just outside bolts)
  - loosen winch, attach carabiner to mast cable, tighten winch
  - release front guy
  - remove plate
  - lower with drill about 1/3 trigger on lowest power (1)
  - watch front footpad while lowering
  - ease onto mast support
- clean krypton
- inspect sonic/prop/etc.
- raise the tower:
  - inspect welds at all tower junctions
  - inspect integrity of bottom pivot block
  - inspect battons for being perpendicular to mast
  - inspect side guy turnbuckles
  - ensure that front guy won't catch
  - raise in one smooth motion, full trigger on power (1)
  - slow trigger power near end
  - second person pushes in
  - secure plate
  - secure front guy and cable tie
  - loosen winch tension
  - detach carabiner
  - detach pulley
  - remove winch
- listen for T/RH fan
- inspect pressure port
- take gravimetric soil sample using corer -- both 0-3 and 3-6cm layers. Process entire sample for bulk density.
- clean all radiometers with Kim-Wipes and distilled water (alcohol [or methanol?] if freezing??)
- adjust shadowband on radiometers (done by Utah?)
- connect to data system via wifi
  - check sensors okay (run cockpit?)
  - check USB disk status
  - check 3G network connection
  - check network time drift