

Ranchito Guadalupe

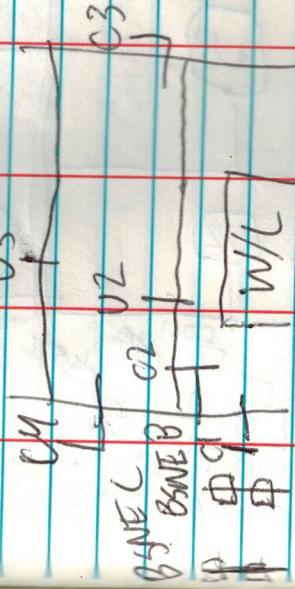
3-23-15

Field deployment

~7 AM Setup

~12 PM Start

looking upwind



BENE A  
BENE B  
C  
U  
do again on next page...

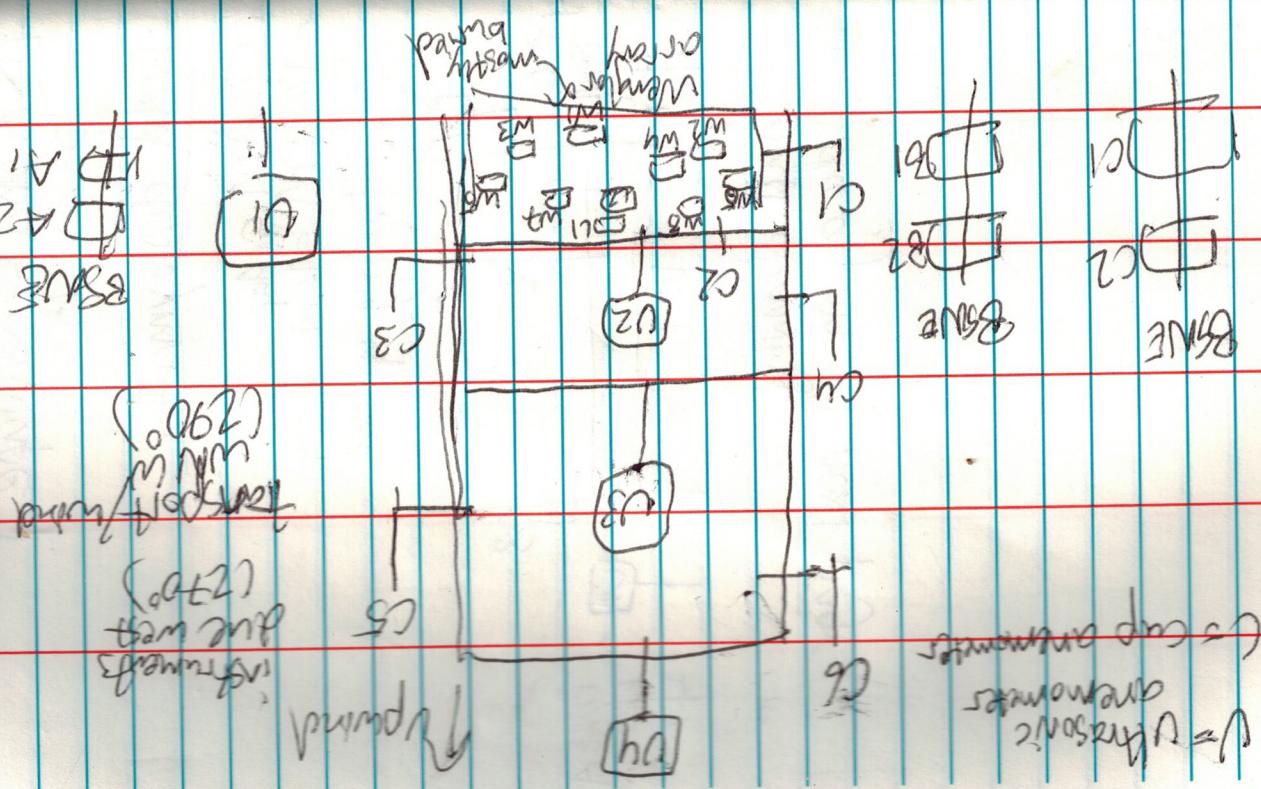
bad drawing

Aluminum rack is not  
dear, because it wobbles

We received most of the  
whirling with bungee cords,  
but it caused me seem to  
climb back a bit.

~~Bifid monomers have been  
joined to be vertical~~

~~1.50 pm - I can remember steps~~

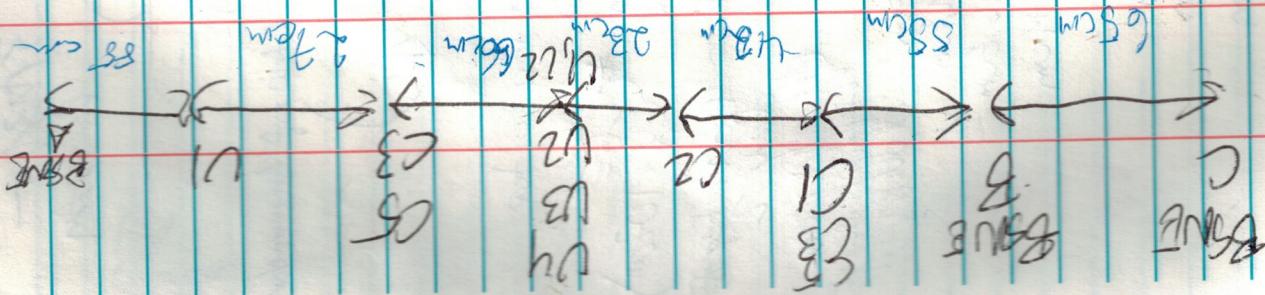




Day 1 (3-23-15) Wengler

lineup Day 2 repeat

W1 ← was buried      R4 → R5  
W2 } scratched to R6 → R7  
W3 } here  
W4 } head-in-won't fix R8 → R9  
W5 }  
W6 → R1 → R2  
W7 → R3 → R4  
W8



Kandho Quadrantile 3 23-15  
to 3-15

↳ transcribed notes from  
Francis' survey

3/23/15

BALL trap Hs (to bottom of gully)

A1 - 10 cm

A2 - 36 cm

B1 - 15 cm

B2 - 50 cm

C1 - 23 cm

C2 - 68 cm

Gps = N 34.45827 W 20.64310

Instrumentation @ 11:57 AM

12:08 Open BENE → about  
12:20 - 1:28 BENE opening  
1:42 - 2:27 BENE opening  
2:57 - 3:52 BENE opening  
4:02 - 4:54 BENE → about  
4:15 - 5:15 BENE opening  
5:29 - 6:28 BENE opening

Instrument orientation due west  
Actual winds are w/w/n,  
offset of about 20-30°

Cap dimensions

ht measured at ~2.30 m (rough)

C1 = 35 cm

C2 = 72 cm

C3 = 104 cm

Note C1 stepped off about 3.20 m  
(and at many other times)

Electronics stepped at 6.38 PM

~~Concave~~

Concave (at end of day)  
photos/buys

BENE A - 106-0130 106-0131 (2.46 m)  
BENE B - 106-0132 106-0133 (2.66 m)  
BENE C - 106-0134 106-0135 (2.47 m)  
Temperature - 106-0141, 106-0143  
(0.43 DM)

[ March 24, 2015 ]

Grain size photos (at beginning of day)

BGNE A 106-0145, 106-0146



BGNE B 106-0143, 106-0144

BGNE C 106-0150, 106-0151

BGNE D 106-0152, 106-0183

Heights (at start of day)

BGNE A 1 8 cm

A 2 33 cm

anem. Y top 54 cm

Z top 11 cm

Y bottom 10 cm

Z bottom 15 cm

Cups C1 = 32 cm (orig 36 cm)

C2 = 29 cm (orig 30 cm)

C3 = 99 cm

C4 = 141 cm (orig 126 cm)

\* C5 = 208 (from Day 1)

C6 = C4 + 102 cm

BGNE B1 = 13 cm

B2 = 52 cm

C1 = 25 cm

C2 = 68 cm

Wengler W1 = 8.5 cm

W2 = 10 cm

W3 = 9.5 cm (1.2)

W4 = 12.5 cm

W5 = 15 cm

W6 = 20 cm

W7 = 24.5 cm

W8 = 27.5 cm

Reorientations of Wenglers at

$\approx 10^\circ$  known

Note shifted right side of Wengler  
Relative to BGNE A  
Reorient to left

Relative to U2 the laser U2 is  
 $y + 15 \text{ cm}$ ,  $x - 24 \text{ cm}$

Reoriented anemometers on left side  
by  $15^\circ$  to reduce interference

Electronics on at 11:34 AM

12:00 - 1:30 transport housing  
around threshold

BSONE openings

$1 \frac{1}{2}$ " - 2.31

2" - 3.40

3.40 - 4.34 (need to real Menglo)

4.48 - 5.48

heights at 5:57 PM

BSONE C1 = 25 cm

B1 = 18 cm

Cup C2 = 33 cm

Sonic  $\bar{V}_2$  = 112 cm

WL = 8.5 cm

Cup C3 = 99 cm

Sonic  $\bar{V}_1$  = 55 cm

BSONE A1 = 6 cm

Position relative to ~~left~~ pole

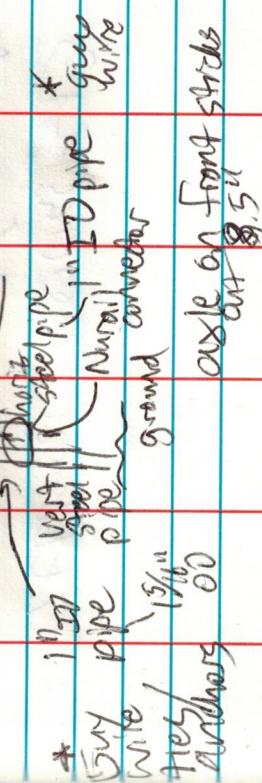
Cup 1 x - 6 cm, y - 18 cm

Cup 4, 6 about the same as cup 1

Cup 2, x + 13 cm, y - 10 cm

## Oso place power inspection

Guy wires → wind (tension)  
Platform ft above ground



## Inventory of supplies

### Pipe drive

- 2 Guy wires
- aluminum power - with hose clamp on top
- 1" x 3/4" Nuvail connector
- 1" x 3/4" pipe with 2 3/4" Nuvail connectors
- 1" x 1" - 5 long
- 3/4" pipe & 3 with 1 3/4" Nuvail connectors  
(i.e. 4 pipes + 5 connectors)
- 1/2" x 1" pipes (loose) + ones in ground
- 1" x 1" Nuvail - 2 not connected
- 1" x 3/4" Nuvail - 6 not connected
- plate connector
- Elbow connector w/ 3/4" short & long
- Solar panel connector (model 4905) - 4" x 2"
- elbow connectors attach to 40' power

e 2 batteries in plastic box  
PUK-1080 model

- 12 V
- 108 Amp-hour
- wires + bags for batteries
- grounding pole

GPH-35.02866, -120.62772