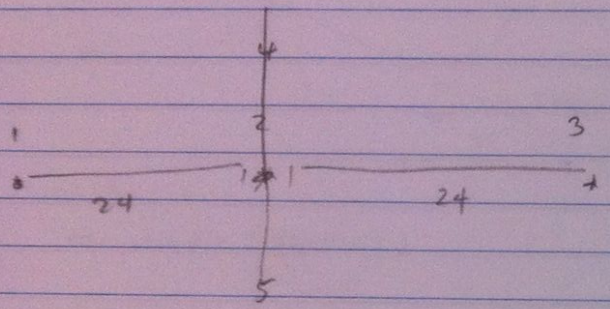
3/21

Seismic team - refraction

for it



shooter goes at will

shots

station 1, 13, 24

use betty gun → dig hole

one on screen, save it => okay now

click icon to save

Station RAS-24

C:\RAS 24\ Friday 01.dat

Betty gun

shells → 8 gauge shot gun shells

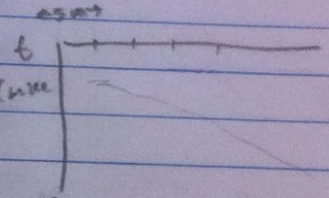
no lead (500 grains)

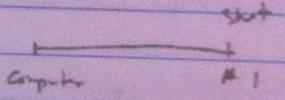
powder and wadding (packing)

dig hole, put one water, fill back in

920 am

Friday 01 ⇒ geophone #1

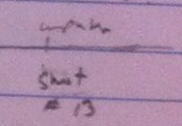




929 am

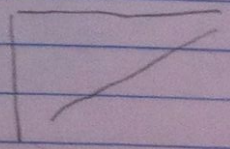
Friday 02 ⇒ geophone #13

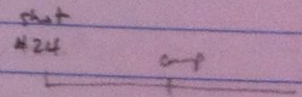
"Shoot on the line!"



937 am

Friday 03 ⇒ geophone #24

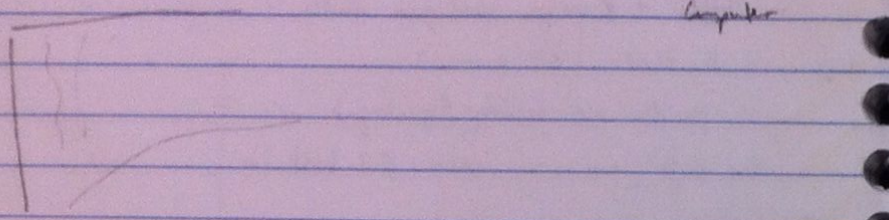




table

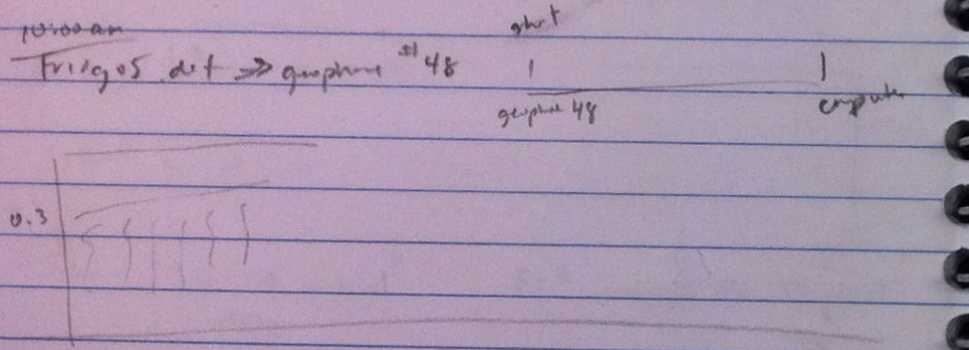
9:44 am

Friday 04.dat ⇒ geophone #37



10:00 am

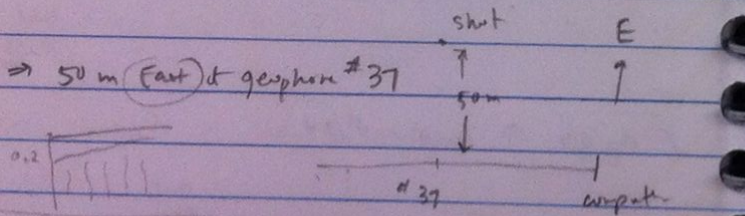
Friday 05.dat ⇒ geophone #48



10:12 am

Friday 06.dat ⇒ 50 m East of geophone #37

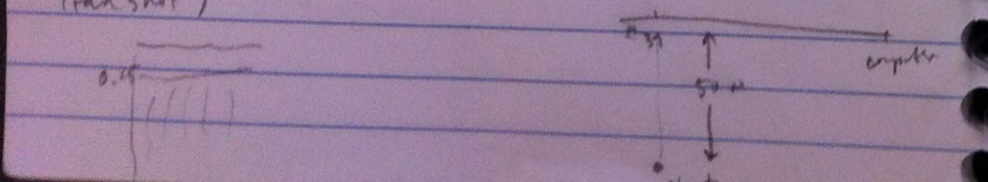
(Fan shot)



10:21 am

Friday 07.dat ⇒ 50 m west of geophone #37

(Fan shot)



seismic data set	Geophone #	GPS
Friday 01.dat	1	542204, 3820797, 881
Friday 02.dat	13	542230, 3820851, 878
Friday 03.dat ~~24~~ 25		542258, 3820904, 877
Friday 04.dat	37	542283, 3820957, 880
Friday 05.dat	48	542313, 3821001, 864
Friday 06.dat	50 m East of #25	542295, 3820874, 879
Friday 07.dat	50 m West of #25	542201, 3820919, 877

table at #37

2nd 24 channels, Ryan D. Witkosky operating computer

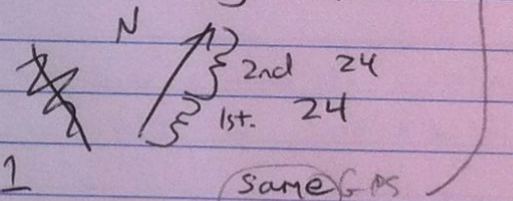


table at #37

Friday 08.dat	1
Friday 09.dat	13
Friday 10.dat	25
Friday 11.dat	37
Friday 12.dat	48
Friday 13.dat	50 m East of #25
Friday 14.dat	50 m West of #25

afternoon

RTK →

base station doesn't move, but GPS coordinates and, so uses this as a correction
take measurements at each resistivity spot

time 4
resistivity

communicate / base station
atmosphere - temp, density,
satellites

handheld - only emits 4 wavelengths
but dual band, can get more accurate

gravimeter
absolute

full day
time 6 always have 24