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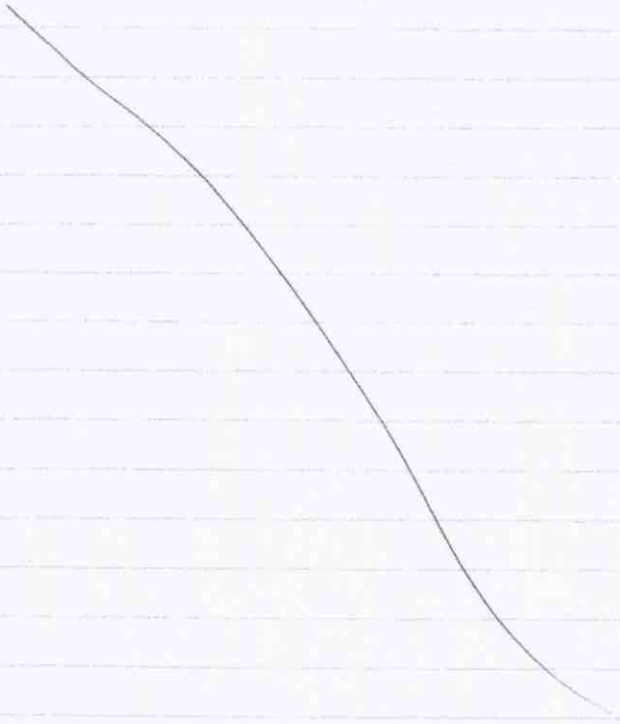
10/18/06 2:30PM
Joe M. and Greg B. arrive at site. Talk with Dale about getting our work area and shipments. Start unpacking equipment and QCing instruments. Site closes at 4:00-4:15 PM so we ~~Prepare~~ prepare to leave site

4:10PM Leave site for day



10/19/06

7:15AM] Arrive @ site (JoeM, DerrickA, GregB)

7:30AM] Begin QC of remaining instruments, putting together baby buggy, connecting GPS wires.

800AM] Greg calls Boriana in ETTO and gets GPS point boundaries for SUs 1-3.

830 AM] Go out to 7A (JoeM, DerrickA, GregB) and locate Class I SU Boundaries.

930 AM] Greg B comes back to talk to Dale - more grass/weeds need to be mowed for us to compute GWS.

GB goes w/ Dale to confirm approx. area.

JM + DA begin GWS in accessible areas. Large puddles in 7A exist - need to survey around puddles, wait for them to dry out, and then perform GWS.

1200] GB leaves site to get lunch, JM + DA continue GWS.

1230] Break for lunch

1:15] Continue GWS (JM + DA)
GB continues QC

3:00] Stop GWS + look at data

3:30] Leave site to go shopping for supplies

10/20/06

7:15] GB, JM and DA arrive at site. Begin QC and prep for day.

8:15] DA begins GWS in 7A
JM + GB locate Class I SU locations

11:30] Break for lunch

Baby buggy + 43-89 arrive in Fedex. Can now do two GWS at same time.

12:15] JM sets up baby buggy for GWS. DA continues surveys. GB begins timesheets, expense reports, and 43-89 QC. Continue GWS in 7A

4:00] Leave site

10/23/06

7:15AM | Arrive at site. Begin QC. (GB, JM, DA)

7:30AM | Look at data from Friday. There's a problem with saving the sensor records along with a GPS coordinate. GB, JM, DA perform test runs to try to fix it.

10:30AM | GB leaves to pick up Joe Wesman from airport. DA + JM continue calling EHO and others to attempt to fix GWS.

1:00PM | Figure out problem with GPS unit. Start GWS again.

1:30PM | GB leaves to pick up Dave Kelly at airport.

2:30PM | Begin soil sampling in 7A.

4:00PM | End sampling and GWS and leave site.

10/24/06

7:15AM | GB, JM, DA, DK and JW arrive at site and begin QC of instruments and prep for day.

8:45 | Joe M maps data and then field team starts sampling. DA + JM continue GWS, and GB, JW, + DK soil sample.

1 min 44-20 counts (Instrument #3) at soil sampling locations

Loc	cpm	Loc	cpm	Loc	cpm
1)	24958	14)	22763	27)	27014
2)	31581	15)	19072	28)	22215
3)	33624	16)	27849	29)	45129
4)	30534	17)	24777	36)	22762
5)	31274	18)	30502	37)	30991
6)	35772	19)	28939	38)	28818
7)	30013	20)	29128	39)	29587
8)	31989	21)	25522	40)	30546
9)	39661	22)	30446	41)	29966
10)	33734	23)	34045	42)	22733
11)	24408	24)	32106	43)	25043
12)	19443	25)	24908	44)	21416
13)	33208	26)	20226	45)	21614

Loc	cpm
46	23760
47	33133
71	110197
70	93815
69	128917
68	92374
67	61928
66	168980
65	136047
64	72404
63	101554
62	223088
61	65445
60	277247
59	380705
58	123626
57	164997
56	81895
55	97762
72	338897

3:45pm | Stop sampling, GWS
4:00pm | Leave site.

10/25/06

7:15AM | JM, DA, JW, DK, GB arrive at site. Begin prep for day.

8:15AM | DA and JM continue GWS of 7A, 7A buffer area, referenced # JW and ~~DK~~ continue bias soil sampling in 7A area. GB helps both sampling groups.

12:00pm | Break for lunch.

12:45pm | Continue surveying. GB contacts lab to expect samples + prepares COCs for samples to be sent offsite for 5-day turnaround.

3:45pm | Return from 7A and end the day.

4:00pm | Leave site.

10/26/06

7:15AM] GB, JW, and DK arrive at site. JM and DA left New Haven this morning. Start morning QC on instruments. 47-84 didn't detect alphas. JW took apart and found ZnS scintillator on backwards. Turned it around. Will need to wait at least 1 day to continue QC.

8:30AM] JW and DK return to TA to soil sample. GB returns to garage area to complete paperwork

10:00AM] GB returns to TA to map out Class 2 locations.

44-20 (1) integrated measurement at sample locations

	cpm		cpm
73)	25275	79)	33026
74)	30178	80)	22932
75)	29315	81)	31073
76)	29566	82)	31695
77)	28608	83)	33217
78)	34082	84)	36198

Location	cpm
85	32926
86	31669
87	33172
88	30026
89	29979
90	32110
91	29269
92	31217
93	28001
94	22346
95	23092
96	22857

12:00PM] Break for lunch.

12:50PM] Continue sample prep (JW and DK) GB go over data, email ~~it to~~ Boriana for further analysis. Counted smears from Baseline garage survey

4:00PM] Left site

10/27/06

7:15AM] Arrive @ site (GB, JW, DK) Begin morning QC

8:30AM] JW, DK and GB drove to warehouse 213 to plan out surveys.

4:30AM] Left site to drive Joe W. to airport.

10:30AM] Returned to site. GB + DK mapped out + took readings at floor random locations

12:00pm] Broke for lunch.

1:00PM] Prepared shipments of samples to be sent out while DK sampled in Building 215.

DK finished most of floor survey in 215. Will finish remainder on Monday.

2:30PM] Left site to go shopping and work on data for the day.

10/30/06

7:15AM] DK and GB arrive at site and begin morning QC.

8:00AM] DK to continue soil sampling in buffer area. GB to locate Soil samples and continue GWS over rail scale.

1 min integrated measurements (#) 44-20

97	27366	106	30263
98	30197	107	31668
99	31049	108	29429
100	28823	109	27847
101	15187	110	24520
102	30178	111	28858
103	30731	112	28865
104	28007	113	27578
105	29308	114	27907
		115	28734
		116	29741

12:00PM] Broke for lunch + GB sent off GWS data to Boriana.

12:45PM] DK continues soil sampling and GB continues GWS outside.

DK finishes #4, GWS finished.

4:00 pm | Left site for day.

10/31/06

7:10 AM | GB and DK arrive at site and begin morning QC.

8:00 AM | DK goes to continue sampling indoors due to rain. GB processes samples collected yesterday.

12:00 PM | Break for lunch

instrument #3

44-20 1 min integrated measurements

		cpm			cpm
30	20654		48	20770	
31	21852		49	24992	
32	25705		50	29395	
33	25483		51	24034	
34	19391		52	32652	
35	24481		53	37348	
			54	45347	

Bias locations - Entry Road

2123918.3 Northing,
S25606.8 Easting 41,853 cpm

2123921.6 Northing
S25606.7 Easting 42,158 cpm

3:45pm | Leave site for day.

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11/1/06

7:15 AM] GB and DK arrive for day. Start morning QC and prep for day.

8:00 AM] DK continues soil sampling in Reference Area 1. GB begins survey (static + smear) on railscale area.

1100 AM] GB finishes + starts Paved Road survey. After 1st measurement, Y3-89 spikes. Appears to be hole in mylar. GB changes mylar + stores detector in drawer. Should be OK after 24 hours.

12:00 PM] Break for lunch.

12:45 PM] DK continues soil sampling, GB continues soil prep and counting smears.

3:00 PM GB + DK collect soil sample from Rail Scale Area Location 119

N: 2122866.89 E: 526154.08

1 min gamma: 37,415 cpm

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11/2/06

7:10 AM] Arrive at site. Begin morning QC and prep for day. 8:00 AM]

DK and GB go inside Z10 and look at it, it IS ready to start sampling there. Sections 3 and 4 are fairly clear. Only Section 1 and parts of 2 will be problems when it comes to sampling in there. We then start sampling the paved road to the railscale by taking integrated static + smears in 6 bias locations.

11:30] Break for lunch.

12:15] Start sampling in shrink wrapping areas and storage areas. DK grabs bias soil sample in reference area.

3:00] Stop sampling + leave site to go shopping for supplies.

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11-5-06

8:30AM | GB arrives at site after driving DK to airport. Starts morning QC.

9:15AM | GB leaves garage to perform GWS of Bldg 145 concrete pad and get dimensions of Bldg 141, 146 and 136.

12:00pm | Returns, processes GWS data, and eats lunch.

12:45pm | Repacks soil samples for shipment, counts smears, talks to Terry R. at STL about how to analyze samples. He didn't receive them (they usually don't). I confirmed with Joe W. that we want all samples (biased) grinded, dried + seived + recounted. Made that clear to Terry thru email and phone call.

3:15PM | left site for day.

11-6-05

7:15 DA, GB, Bill Gardner (BG) and Ian Itani's (IH) arrive at site. Begin morning QC and reading SSHP plan

8:00AM | Scissor lift delivered at Building 215. End QC and BG and IH along with DA and GB begin smear surveys in warehouses.

11:30AM | Finish smear surveys and come back to rad gas and instruments. Begin QC on those.

12:00PM | Break for lunch.

12:15 PM | GB leaves to pick up DK at airport.

1:39 PM | GB returns and we need chain and new location for gas tanks for safety purposes. IH and GB go to Home Depot to get supplies. DA creates survey forms for scissor lift and BG cleans up area and counts smears.

4:00pm | End day + leave site.

11-7-06

7:15AM] DK, DA, JH, BG, and GB arrive @ site. Begin morning QC and prep for day.

8:15AM] Go to Warehouse 215 TO obtain background measurements. If QC values obtained are above presumed bkgd values (3 cpm) than need to recalculate DCGLs, scan times + pause times.

10:30AM] Confirm background values for different materials (concrete floor, cinder blocks, wood, metal doors) are as assumed + begin scanning warehouses

12:00PM] Break for lunch.

12:45PM] Continue scanning while GB ships out last soil samples, LV-1s and B2s to Chuck at ETTO, and 1 GPS unit to Joe V. at Blue Springs, MO. Continue counting smears.

4:00PM] Finish up and leave site

11-8-06

7:15AM] GB, DK, DA, IH, and BG arrive at site. Begin morning QC and prep for day.

8:00AM] Complete QC for instruments. IH and ~~DA~~ go to Bldg 211 to begin wall scans. BG and DK go to Bldg 212 to begin wall scans.

Note RE: 43-68 QC. Last night, GB changed QC sheet from general contract sheet to the QC sheet that you use for 2929's (includes bkgd and source counts on same tab). Did this b/c QC bkgd kept failing due to 202 restrictions in the morning. ~~QC~~ Despite restrictions, beta passed for both 43-65s. After I changed sheets, beta failed for ~~QC~~ bkgd beta and source beta QC for 1 43-65. Since beta measurements are not as important as alpha measurements (and only noted as extra information) than data should be considered valid for 11-7-06 surveys. Just a note to keep in mind in case we try to use beta counts for that day.

11-8-06

Bill and Dave are in Bldg 212. There are new materials in the warehouse. The following bkgd measurements are performed on a metal door. Here they are:

Instrument #8 43-68

3/105
5/123
8/120
6/119
2/128

12:00PM | Break for lunch

12:45PM | Bill G. and Davek finished with 212, go to 213. Ian + Derrick almost finished w/ 211, go to 213 after to resume wall scans. Sections 1+4 completed (wall scans). Will complete wall scans tomorrow.

4:00PM | Leave site

11-9-06

7:15AM | DA, DK, IH, BG and GB arrive at site. Start morning QC and prep for day.

8:00AM | DA + IH, DK + BG scan walls in 213.

11:00AM | Finish walls in 213. Begin scanning walls in 210 sections 3 + 4.

12:00PM | Break for lunch.

12:45PM | DK + BG start biased sampling above 6 ft and rafters in warehouse. 43-37 gas tanks arrived today. IH QC's instrument and begins taking background measurements in 215 Section 3. GB counts smears and ships out clay sample to Kim N. in Baltimore office.

4:00PM | Leave site.

11-13-06

710AM | Arrive @ site (GB, DK, BG, IH and Nick Berliner). Start morning QC and prep for day.

830AM | IH begins floor scans in 215. NB starts wall integrated measurements in 215. DK + BG continue static smears on rafters / ~~above~~ overhead columns in 212.

1200PM | Break for lunch.

145PM | Continue work. NB does ~~biased~~ random wall measurements in 212. IH continues floor scans in 215. BG and DK continue sampling of rafters in 213. GB continues counting smears. Sent off the sample to STL. BG and DK finish sampling rafters and start scanning in 136.

345PM | Get back to garage. Leave site after setting things up.

11-14-06

710AM | GB, IH, BG, DK + NB arrive @ site. Begin morning QC and prep for day

815AM | IH finishes scanning in 215, NB starts scanning in 212. BG + DK scan in Bldg 136. GB counts smears and such.

1200PM | Break for lunch

1245PM | BG and DK finish surveys in 136 and begin measurements in 124. IH finished in 215 (which is complete) and NB is half done in 212 scanning. ~~RP~~ working in 211 this afternoon.

345PM | People get back from surveying and clean up for the day. NB finished in 212 and IH finished Section 1 of 211. BG and DK finished walls + floors in 124.

11-15-06

715AM | Arrive at site and begin morning QC and prep for day.

815AM | DK and BG collect biased ~~static~~ static/smears in 211 and 213. IH goes to 211 to scan floors. ~~D~~ NB goes to 212 to finish scanning floors, then he moves to 213 to finish scanning floors

~~NB~~ 940 finishes 211 and goes to IH scan sections 3 + 4 of 213.

DK + BG finish static smear locations in 211.

12PM | Break for lunch.

1245PM | DK + BG scan Bldg 136 walls. NB + IH scan floors in 213. GB counts smears.

230PM | GB leaves site.

DK COUNTS SMEARS

400 PM OFF SITE

11-16-06

0705 | ARRIVE ON SITE · START QC ON INSTRUMENTS.

0830 | NICK B. CONTINUE FLOOR SURVEY @ B-213

IAN FLOOR SURVEYS IN B-124, 136 AND 146.

BG - WALL SURVEYS IN B-146

~~1100~~ | BG + IH MOVED TO B213 TO CONTINUE FLOOR SCAN.

1110 | SMEARS ARRIVE VIA FED-EX.

1200 BREAK FOR LUNCH

1230 RENTAL CO. PICKED UP SICCORS LIFT

BG, IH & NB CONTINUE @ B-213

~~1400~~ | BG + IH DO STATIC + BIAS SAMPLING @ B 146, NB CONTINUES FLOOR SURVEY @ B 213

1545 ~~LEFT~~ DK B 213 FLOORS ARE DONE

DK, BG, IH & NB LEAVE SITE

11-17-06

730] DK, FH + NB ON SITE.
NB FINISH SCANS IN B 213
FH BEGIN EQUIPTMENT BREAKDOWN
DK COUNT SMEARS

1000]
IH COUNTS SMARS
DK + NB CLEAN WORK AREA AND PREP, FOR DEMOB

1100] FAX EXPENSE + TIMESHEETS FOR DIK, FH & BG TO BALTIMORE OFFICE

1200] BREAK FOR LUNCH

1245] CONTINUE COUNTING SMEARS + PREP FOR DEMOB.

1530] off SITE.

11/20/06

745AM] GBand IH arrive onsite, begin morning QC and prep for day

830AM] IH counts smears, GB takes inventory and prepare meters for shipping

1200PM] Break for lunch.

1245PM] Continue work.

245PM] Leave site to go to Fedex to ship off items.

11/21/06

7:30AM | GB + IH arrive @ site and begin morning QC.

8:00AM | Start counting owners and packing last things up for departure / end of project.

12:45PM | Leave site for day, end of project.