

				Background		Shap Granite 20 g				
				Mass (g)	0	Mass (g)	20			
				Total time (ks)	1850	Total time (ks)	505 Net			
Half Life	Energy	Intensity		Wt Mean rate	Error	Wt Mean rate	Error	Rate	error	
	(keV)			(cts/ks)		(cts/ks)		(cts/ks)	(cts/ks)	
Potassium	40-K	1.28e9a	1460.8	0.107	6.37	0.09	54.56	0.36	48.19	0.37
Uranium series	238-U	4.47e9a								
	234-Th	24.1d	62	0.0402	12.89	0.15	16.68	0.36	3.79	0.39
			92.6	0.054	18.61	0.17	24.17	0.40	5.56	0.43
	226-Ra (235-U)	1599a	185.99	0.0328	13.97	0.16	23.20	0.38	9.22	0.42
	214-Pb	26.8m	241.91	0.0745						
			295.2	0.191	1.16	0.08	10.26	0.26	9.10	0.27
			351.9	0.369	3.75	0.10	36.32	0.37	32.58	0.38
	214-Bi	19.9m	609.3	0.468	4.28	0.11	39.53	0.36	35.25	0.38
			1120.28	0.154	1.08	0.08	8.46	0.21	7.38	0.23
			1238	0.06098	0.50	0.07	3.62	0.20	3.12	0.21
			1764.5	0.162	1.89	0.06	8.61	0.18	6.71	0.19
			2204	0.052	0.61	0.04	1.97	0.09	1.37	0.10
	210-Pb	22a	45	0.045	5.37	0.14	11.95	0.38	6.58	0.40
Thorium Series	232-Th	1.405e10a								
	228-Ac	6.15h	338.7	0.12	0.58	0.07	5.74	0.20	5.16	0.22
			911.3	0.29	2.08	0.11	17.34	0.29	15.26	0.31
			964.84	0.0545						
			969.16	0.17458	2.65	0.15	15.24	0.37	12.60	0.40
	224-Ra	3.62d	240.987	0.0397						
	212-Pb	10.64h	238.625	0.434	10.10	0.26	109.77	0.74	99.67	0.78
	212-Bi	1.01h	727.2	0.0675	0.42	0.08	4.15	0.21	3.73	0.22
	208-Tl	3.06m	277.358	0.0637	0.36	0.10	1.70	0.24	1.34	0.26
			583.19	0.851	2.43	0.11	23.68	0.32	21.25	0.34
			860.56	0.126	0.29	0.06	2.22	0.16	1.93	0.17
			2614.5	0.999	4.33	0.06	12.12	0.29	7.80	0.30

Detector 2
Sample 1586t
 Filename 1586t
 Roi file g2oct06
 Date 13-Jul-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net		Specific		Concentration		Within	WM calcs			
			(cts/ks)	error	(cts/ks)	error	Activity	error	error	2 err of	WM ?				
40-K	1207	43	15.09	0.54	8.72	0.55	K	248	16	0.80	0.05				
238-U							238U		ppm eU	error		x/sigm	1/sigm	sum	
234-Th	1053	58	13.16	0.73	0.27	0.74	11	29	0.86	2.34	TRUE	0.01	0.00	full	2.76 0.43
	1410	64	17.63	0.80	-0.98	0.82	-26	-22	-2.12	-1.77	FALSE	-0.05	0.00	preRn	-0.10 0.01
226-Ra (23	1071	62	13.39	0.78	-0.58	0.79	-9	-13	-0.76	-1.03	FALSE	-0.06	0.01	postRn	2.86 0.42
214-Pb															
	114	32	1.43	0.40	0.27	0.41	4	7	0.35	0.54	TRUE	0.10	0.02		
	383	41	4.79	0.51	1.04	0.52	5	2	0.38	0.19	TRUE	0.83	0.18		
214-Bi	524	43	6.55	0.54	2.27	0.55	10	2	0.77	0.19	TRUE	1.72	0.18		
	112	30	1.40	0.38	0.32	0.38	7	8	0.53	0.62	TRUE	0.11	0.02		
	14	31	0.18	0.39	-0.32	0.39	-15	-19	-1.25	-1.52	FALSE	-0.04	0.00		
	192	25	2.40	0.31	0.51	0.32	11	7	0.90	0.57	TRUE	0.22	0.02		
	47	13	0.59	0.16	-0.02	0.17	-2	-18	-0.16	-1.46	FALSE	-0.01	0.00		
210-Pb	359	57	4.49	0.71	-0.88	0.73	-20	-16	-1.61	-1.33	FALSE	-0.07	0.00		
232-Th							232Th		ppm eTh	error			sum		
228-Ac	73	28	0.91	0.35	0.33	0.36	7	8	1.84	1.97	TRUE	0.12	0.02	full	3.14 0.70
	168	43	2.10	0.54	0.02	0.55	0	4	0.04	1.02	TRUE	0.01	0.06		
	258	58	3.23	0.73	0.58	0.74	5	7	1.30	1.68	TRUE	0.11	0.02		
224-Ra															
212-Pb	1151	101	14.39	1.26	4.29	1.29	5	1	1.23	0.37	TRUE	2.22	0.45		
212-Bi	-15	32	-0.19	0.40	-0.60	0.41	-19	-13	-4.61	-3.13	FALSE	-0.12	0.01		
208-Tl	93	40	1.16	0.50	0.81	0.51	70	45	17.13	11.10	TRUE	0.03	0.00		
	269	44	3.36	0.55	0.93	0.56	5	3	1.25	0.75	TRUE	0.54	0.11		
	26	24	0.33	0.30	0.04	0.31	2	18	0.58	4.52	TRUE	0.01	0.00		
	371	25	4.64	0.31	0.31	0.32	5	5	1.14	1.17	TRUE	0.21	0.04		
Sample															
Full Series	K		248	16	0.80	0.05						0.67	0.0421	0.193	0.01
WM	U		6.35	2.303	0.514	0.19	1.43	0.52	0.08	0.0273	0.059	0.02			
	Th		4.458	1.421	1.099	0.35	0.81	0.26	0.03	0.01	0.056	0.02			
							Total	2.24	0.58	0.77	0.0512	0.309	0.03		
Thfull/Ufull								2.14							
Pre 222Rn	U		-10.59	105.6	-0.86	8.55	-2.38	23.76	-0.13	1.2489	-0.1	0.98			
Post 222Rn	U		6.73	2.355	0.545	0.19	1.51	0.53	0.08	0.0279	0.063	0.02			
Difference			-17.32	#####	-1.40	8.55	-3.90	23.76	-0.20	1.25	-0.16	0.98			

Detector 2

Sample 1587t

Filename 1587t

Roi file g2oct06

Date 19-Jul-06

Time (ks) 80.00

Mass (g) 20

	Counts	error	Rate		Net Rate		Specific Activity		Concentration		Within	WM calcs				
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	error	2 err of WM ?						
40-K	1537	47	19.21	0.59	12.84	0.59	K	365	17	1.18	0.06					
238-U							238U			ppm eU error		x/sigm	1/sigm	sum		
234-Th	995	59	12.44	0.74	-0.45	0.75	-18	-29	-1.44	-2.38	FALSE	-0.02	0.00	full	4.72	0.38
	1640	66	20.50	0.83	1.89	0.84	50	23	4.09	1.83	TRUE	0.10	0.00	preRn	0.11	0.01
226-Ra (232-Th)	1145	64	14.31	0.80	0.34	0.82	5	13	0.44	1.06	TRUE	0.03	0.01	postRn	4.61	0.37
214-Pb	107	33	1.34	0.41	0.18	0.42	3	7	0.24	0.55	TRUE	0.06	0.02			
	495	44	6.19	0.55	2.44	0.56	11	3	0.90	0.21	TRUE	1.63	0.15			
214-Bi	629	45	7.86	0.56	3.58	0.57	15	3	1.22	0.20	TRUE	2.36	0.16			
	141	32	1.76	0.40	0.69	0.41	14	8	1.12	0.67	TRUE	0.20	0.01			
	45	31	0.56	0.39	0.06	0.39	3	19	0.24	1.52	TRUE	0.01	0.00			
	218	26	2.73	0.33	0.83	0.33	18	7	1.48	0.60	TRUE	0.34	0.02			
	65	14	0.81	0.18	0.21	0.18	22	19	1.81	1.57	TRUE	0.06	0.00			
210-Pb	373	58	4.66	0.73	-0.71	0.74	-16	-17	-1.29	-1.35	FALSE	-0.06	0.00			
232-Th							232Th			ppm eTh error			sum			
228-Ac	58	29	0.73	0.36	0.15	0.37	3	8	0.80	2.04	TRUE	0.05	0.01	full	8.03	0.64
	350	44	4.38	0.55	2.29	0.56	17	4	4.28	1.05	TRUE	0.96	0.06			
	270	62	3.38	0.78	0.73	0.79	7	7	1.64	1.79	TRUE	0.13	0.02			
224-Ra																
212-Pb	1578	106	19.73	1.33	9.63	1.35	11	2	2.75	0.39	TRUE	4.52	0.41			
212-Bi	69	33	0.86	0.41	0.45	0.42	14	13	3.40	3.22	TRUE	0.08	0.01			
208-Tl	-16	40	-0.20	0.50	-0.56	0.51	-48	-44	-11.80	-10.97	FALSE	-0.02	0.00			
	447	46	5.59	0.58	3.16	0.59	17	3	4.23	0.79	TRUE	1.68	0.10			
	55	26	0.69	0.33	0.40	0.33	24	20	5.92	4.90	TRUE	0.06	0.00			
	422	26	5.28	0.33	0.95	0.33	14	5	3.46	1.21	TRUE	0.58	0.04			
Sample																
Full Series	K						365	17	1.18	0.06						
WM	U						12.53	2.657	1.015	0.22	2.82	0.60	0.15	0.0314	0.117	0.02
	Th						12.52	1.558	3.085	0.38	2.28	0.28	0.09	0.011	0.159	0.02
							Total				5.10	0.66	1.22	0.0571	0.56	0.03
Thfull/Ufull																
Pre 222Rn	U						12.34	111.9	1	9.06	2.78	25.19	0.15	1.3242	0.115	1.04
Post 222Rn	U						12.54	2.721	1.015	0.22	2.82	0.61	0.15	0.0322	0.117	0.03
Difference							-0.19	#####	-0.02	9.07	-0.04	25.20	0.00	1.32	0.00	1.04

Detector	2															
Sample	1612t															
Filename	1612t															
Roi file	g2oct06															
Date	20-Jul-06															
Time (ks)	80.00															
Mass (g)	20															
	Counts	error	Rate	error	Net Rate	error	Specific Activity	error	Concentration	error	Within 2 err of WM ?	WM calcs				
			(cts/ks)		(cts/ks)		(Bq/kg)									
40-K	2024	53	25.30	0.66	18.93	0.67	K 538	20	%K 1.74	0.06						
238-U																
234-Th	998	60	12.48	0.75	-0.42	0.76	238U -16	-30	ppm eU error -1.32	-2.42	FALSE	x/sigm 1/sigm sum -0.02	0.00	full	6.73	0.31
	1586	68	19.83	0.85	1.22	0.87	32	23	2.63	1.87	TRUE	0.06	0.00	preRn	0.09	0.01
226-Ra (23	1160	65	14.50	0.81	0.53	0.83	8	13	0.69	1.08	TRUE	0.05	0.01	postRn	6.64	0.30
214-Pb	160	35	2.00	0.44	0.84	0.45	14	7	1.11	0.59	TRUE	0.26	0.02			
	687	46	8.59	0.58	4.84	0.58	22	3	1.78	0.23	TRUE	2.65	0.12			
214-Bi	814	48	10.18	0.60	5.90	0.61	25	3	2.01	0.23	TRUE	3.04	0.12			
	89	32	1.11	0.40	0.04	0.41	1	8	0.06	0.66	FALSE	0.01	0.01			
	124	32	1.55	0.40	1.05	0.41	50	20	4.03	1.59	TRUE	0.13	0.00			
	230	27	2.88	0.34	0.98	0.34	22	8	1.75	0.62	TRUE	0.37	0.02			
	67	14	0.84	0.18	0.23	0.18	25	19	2.03	1.57	TRUE	0.07	0.00			
210-Pb	557	61	6.96	0.76	1.59	0.78	36	18	2.90	1.43	TRUE	0.12	0.00			
232-Th																
228-Ac	108	31	1.35	0.39	0.77	0.39	232Th 17	9	ppm eTh error 4.25	2.18	TRUE	0.22	0.01	sum full	14.55	0.58
	409	46	5.11	0.58	3.03	0.58	23	4	5.66	1.10	TRUE	1.16	0.05			
	468	61	5.85	0.76	3.20	0.78	29	7	7.24	1.77	TRUE	0.57	0.02			
224-Ra																
212-Pb	2463	111	30.79	1.39	20.69	1.41	24	2	5.91	0.41	TRUE	8.71	0.36			
212-Bi	45	35	0.56	0.44	0.15	0.45	5	14	1.12	3.40	TRUE	0.02	0.01			
208-Tl	25	42	0.31	0.53	-0.04	0.53	-4	-46	-0.92	-11.36	FALSE	0.00	0.00			
	670	49	8.38	0.61	5.94	0.62	32	3	7.97	0.84	FALSE	2.75	0.09			
	7	26	0.09	0.33	-0.20	0.33	-12	-20	-2.92	-4.88	FALSE	-0.03	0.00			
	510	27	6.38	0.34	2.05	0.34	30	5	7.48	1.27	TRUE	1.14	0.04			
Sample																
			Specific	Activi	Concentration	Dose Rates (mGy/a)										
			(Bq/kg)	(% or ppm)	Alpha	Beta	Gamm									
Full Series	K		538	20	1.74	0.06		1.44	0.053	0.419	0.02					
WM	U		21.64	3.217	1.753	0.26	4.87	0.72	0.26	0.0381	0.201	0.03				
	Th		25.23	1.733	6.218	0.43	4.59	0.32	0.18	0.0122	0.32	0.02				
			Total				9.47	0.79	1.88	0.0664	0.94	0.04				
Thfull/Ufull																
			3.55													
Pre 222Rn	U		10.46	115.9	0.847	9.38	2.35	26.08	0.12	1.371	0.097	1.08				
Post 222Rn	U		21.96	3.309	1.778	0.27	4.94	0.74	0.26	0.0392	0.204	0.03				
Difference			-11.50	#####	-0.93	9.39	-2.59	26.09	-0.14	1.37	-0.11	1.08				

Detector 2
Sample 1613t
 Filename 1613t
 Roi file g2oct06
 Date 23-Aug-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net Rate		Specific Activity		Concentration		Within 2 err of WM ?		WM calcs			
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	(Bq/kg)	error	error	error	error	error		
40-K	2038	53	25.48	0.66	19.11	0.67	K 543	20	%K 1.76	0.06						
238-U							238U		ppm eU error							
234-Th	920	59	11.50	0.74	-1.39	0.75	-54	-30	-4.41	-2.39	FALSE	-0.06	0.00	full	6.30	0.31
	1326	66	16.58	0.83	-2.03	0.84	-54	-23	-4.38	-1.83	FALSE	-0.11	0.00	preRn	-0.15	0.01
226-Ra (232-Th)	1138	65	14.23	0.81	0.25	0.83	4	13	0.33	1.08	TRUE	0.02	0.01	postRn	6.44	0.30
214-Pb																
	209	36	2.61	0.45	1.45	0.46	24	8	1.92	0.61	TRUE	0.41	0.02			
	649	47	8.11	0.59	4.37	0.60	20	3	1.61	0.23	TRUE	2.37	0.12			
214-Bi	788	49	9.85	0.61	5.57	0.62	23	3	1.90	0.23	TRUE	2.84	0.12			
	196	33	2.45	0.41	1.37	0.42	28	9	2.23	0.69	TRUE	0.38	0.01			
	3	32	0.04	0.40	-0.46	0.41	-22	-19	-1.77	-1.57	FALSE	-0.06	0.00			
	211	26	2.64	0.33	0.74	0.33	16	7	1.33	0.60	TRUE	0.30	0.02			
	77	14	0.96	0.18	0.36	0.18	39	20	3.13	1.58	TRUE	0.10	0.00			
210-Pb	535	60	6.69	0.75	1.32	0.76	30	17	2.40	1.40	TRUE	0.10	0.00			
232-Th							232Th		ppm eTh error							
228-Ac	138	31	1.73	0.39	1.15	0.39	26	9	6.32	2.19	TRUE	0.33	0.01	full	11.58	0.57
	349	45	4.36	0.56	2.28	0.57	17	4	4.26	1.07	TRUE	0.91	0.05			
	490	63	6.13	0.79	3.48	0.80	32	7	7.86	1.82	TRUE	0.58	0.02			
224-Ra																
212-Pb	2201	113	27.51	1.41	17.42	1.44	20	2	4.98	0.41	TRUE	7.15	0.35			
212-Bi	56	35	0.70	0.44	0.28	0.45	9	14	2.16	3.40	TRUE	0.05	0.01			
208-Tl	-30	41	-0.38	0.51	-0.73	0.52	-63	-46	-15.52	-11.31	FALSE	-0.03	0.00			
	509	49	6.36	0.61	3.93	0.62	21	3	5.27	0.84	TRUE	1.85	0.09			
	0	27	0.00	0.34	-0.28	0.34	-17	-21	-4.19	-5.07	FALSE	-0.04	0.00			
	458	27	5.73	0.34	1.40	0.34	21	5	5.11	1.26	TRUE	0.79	0.04			
Sample							Specific Activi	Concentration	Dose Rates (mGy/a)							
Full Series							(Bq/kg)	(% or ppm)	Alpha error	Beta error	Gammerror					
WM							K 543	20	1.76	0.06	1.46	0.053	0.423	0.02		
							U 20.48	3.252	1.659	0.26	4.61	0.73	0.24	0.0385	0.191	0.03
							Th 20.31	1.754	5.006	0.43	3.70	0.32	0.14	0.0124	0.257	0.02
							Total		8.31	0.80	1.84	0.0667	0.871	0.04		
Thfull/Ufull									3.02							
Pre 222Rn							U -16.61	114.3	-1.34	9.25	-3.74	25.72	-0.20	1.3521	-0.15	1.06
Post 222Rn							U 21.57	3.348	1.747	0.27	4.85	0.75	0.26	0.0396	0.201	0.03
Difference							-38.17	#####	-3.09	9.26	-8.59	25.73	-0.45	1.35	-0.36	1.06

Detector 2
 Sample 1614t
 Filename 1614t
 Roi file g2oct06
 Date 10-Aug-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net		Specific		Concentration		Within	WM calcs					
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	error	2 err of	WM ?						
40-K	1826	53	22.83	0.66	16.46	0.67	468	20	1.51	0.06							
238-U							238U		ppm eU	error		x/sigm	1/sigm	sum			
234-Th	1066	60	13.33	0.75	0.43	0.76	17	30	1.37	2.42	TRUE	0.02	0.00	full			
	1527	67	19.09	0.84	0.48	0.85	13	23	1.04	1.84	TRUE	0.02	0.00	preRn			
226-Ra (232-Th)	1258	64	15.73	0.80	1.75	0.82	28	13	2.28	1.07	TRUE	0.16	0.01	postRn			
214-Pb	214	36	2.68	0.45	1.52	0.46	25	8	2.00	0.61	TRUE	0.43	0.02				
	618	46	7.73	0.58	3.98	0.58	18	3	1.47	0.23	TRUE	2.29	0.13				
214-Bi	712	47	8.90	0.59	4.62	0.60	19	3	1.57	0.22	TRUE	2.67	0.14				
	153	32	1.91	0.40	0.84	0.41	17	8	1.36	0.67	TRUE	0.25	0.01				
	81	32	1.01	0.40	0.51	0.41	24	19	1.97	1.57	TRUE	0.06	0.00				
	230	27	2.88	0.34	0.98	0.34	22	8	1.75	0.62	TRUE	0.37	0.02				
	37	15	0.46	0.19	-0.14	0.19	-16	-21	-1.26	-1.68	FALSE	-0.04	0.00				
210-Pb	521	60	6.51	0.75	1.14	0.76	26	17	2.08	1.40	TRUE	0.09	0.00				
232-Th							232Th		ppm eTh	error			sum				
228-Ac	126	30	1.58	0.38	1.00	0.38	22	9	5.49	2.12	TRUE	0.30	0.01	full			
	316	45	3.95	0.56	1.87	0.57	14	4	3.49	1.07	TRUE	0.75	0.05				
	366	62	4.58	0.78	1.93	0.79	18	7	4.36	1.79	TRUE	0.34	0.02				
224-Ra	2318	111	28.98	1.39	18.88	1.41	22	2	5.40	0.41	TRUE	7.99	0.36				
212-Pb	69	34	0.86	0.43	0.45	0.43	14	13	3.40	3.31	TRUE	0.08	0.01				
212-Bi	10	41	0.13	0.51	-0.23	0.52	-20	-45	-4.90	-11.12	FALSE	-0.01	0.00				
208-Tl	588	48	7.35	0.60	4.92	0.61	27	3	6.60	0.83	TRUE	2.39	0.09				
	36	26	0.45	0.33	0.16	0.33	10	20	2.42	4.88	TRUE	0.03	0.00				
	446	27	5.58	0.34	1.25	0.34	19	5	4.56	1.26	TRUE	0.71	0.04				
Sample							Specific	Activi	Concentration	Dose Rates (mGy/a)							
Full Series							(Bq/kg)	(% or ppm)	Alpha	error	Beta	error	Gamm	error			
WM							K	468	20	1.51	0.06	1.26	0.0525	0.365	0.02		
							U	19.15	3.028	1.551	0.25	4.31	0.68	0.23	0.0358	0.178	0.03
							Th	21.42	1.706	5.28	0.42	3.90	0.31	0.15	0.012	0.271	0.02
							Total		8.21	0.75	1.63	0.0647	0.814	0.04			
Thfull/Ufull								3.40									
Pre 222Rn							U	23.36	113.7	1.892	9.21	5.26	25.58	0.28	1.345	0.217	1.06
Post 222Rn							U	19.04	3.111	1.542	0.25	4.28	0.70	0.23	0.0368	0.177	0.03
Difference								4.33	#####	0.35	9.21	0.97	25.59	0.05	1.35	0.04	1.06

Detector 2
Sample 1632t
 Filename 1632t
 Roi file g2oct06
 Date 22-Aug-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net Rate		Specific Activity		Concentration			Within WM calcs					
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	error	2 error	WM ?						
40-K	2143	54	26.79	0.68	20.42	0.68	K	580	20	1.88	0.07						
238-U							238U		ppm eU	error		x/sigm	1/sigm	sum			
234-Th	991	61	12.39	0.76	-0.50	0.78	-20	-30	-1.60	-2.46	FALSE	-0.02	0.00	full	8.06	0.26	
226-Ra (23	1503	68	18.79	0.85	0.18	0.87	5	23	0.39	1.87	TRUE	0.01	0.00	preRn	0.10	0.01	
214-Pb	1224	66	15.30	0.83	1.33	0.84	21	14	1.73	1.10	TRUE	0.12	0.01	postRn	7.95	0.25	
	277	37	3.46	0.46	2.30	0.47	38	8	3.04	0.64	TRUE	0.60	0.02				
	817	49	10.21	0.61	6.47	0.62	29	3	2.38	0.26	TRUE	2.88	0.10				
214-Bi	961	50	12.01	0.63	7.73	0.63	33	3	2.63	0.25	TRUE	3.31	0.10				
	198	33	2.48	0.41	1.40	0.42	28	9	2.27	0.69	TRUE	0.38	0.01				
	105	33	1.31	0.41	0.81	0.42	39	20	3.12	1.63	TRUE	0.10	0.00				
	283	27	3.54	0.34	1.64	0.34	36	8	2.94	0.63	TRUE	0.59	0.02				
	84	17	1.05	0.21	0.44	0.22	48	24	3.89	1.91	TRUE	0.09	0.00				
210-Pb	450	62	5.63	0.78	0.25	0.79	6	18	0.46	1.44	TRUE	0.02	0.00				
232-Th							232Th		ppm eTh	error				sum			
228-Ac	139	32	1.74	0.40	1.16	0.41	26	9	6.39	2.26	TRUE	0.31	0.01	full	19.89	0.52	
	564	46	7.05	0.58	4.97	0.58	38	4	9.28	1.11	TRUE	1.87	0.05				
	586	64	7.33	0.80	4.68	0.81	43	8	10.58	1.86	TRUE	0.75	0.02				
224-Ra																	
212-Pb	3492	116	43.65	1.45	33.55	1.47	39	2	9.59	0.43	TRUE	12.50	0.32				
212-Bi	109	35	1.36	0.44	0.95	0.45	29	14	7.22	3.42	TRUE	0.15	0.01				
208-Tl	59	42	0.74	0.53	0.38	0.53	33	46	8.11	11.42	TRUE	0.02	0.00				
	805	51	10.06	0.64	7.63	0.65	42	4	10.23	0.88	TRUE	3.23	0.08				
	20	26	0.25	0.33	-0.04	0.33	-2	-20	-0.52	-4.88	FALSE	-0.01	0.00				
	509	28	6.36	0.35	2.04	0.36	30	5	7.44	1.31	TRUE	1.06	0.04				
Sample							Specific Activi	Concentration	Dose Rates (mGy/a)								
Full Series							(Bq/kg)	(% or ppm)	Alpha	error	Beta	error	Gamm	error			
WM							K	580	20	1.88	0.07	1.56	0.0542	0.452	0.02		
							U	30.85	3.829	2.498	0.31	6.94	0.86	0.36	0.0453	0.287	0.04
							Th	38.13	1.917	9.398	0.47	6.94	0.35	0.27	0.0135	0.483	0.02
							Total		13.89	0.93	2.19	0.0719	1.222	0.05			
Thfull/Ufull									3.76								
Pre 222Rn							U	12.36	118.9	1.001	9.63	2.78	26.76	0.15	1.407	0.115	1.11
Post 222Rn							U	31.46	3.956	2.548	0.32	7.08	0.89	0.37	0.0468	0.293	0.04
Difference								-19.10	#####	-1.55	9.64	-4.30	26.78	-0.23	1.41	-0.18	1.11

Detector 2

Sample 1637t

Filename 1637t

Roi file g2oct06

Date 8-Aug-06

Time (ks) 80.00

Mass (g) 20

	Counts	error	Rate		Net Rate		Specific Activity		Concentration		Within WM calcs		WM calcs	
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	error	2 err of WM ?	x/sigm	1/sigm	sum	
40-K	1597	50	19.96	0.63	13.59	0.63	K	386	18	1.25	0.06			
238-U							238U			ppm eU	error			
234-Th	1140	61	14.25	0.76	1.36	0.78	53	31	4.30	2.47	TRUE	0.06	0.00	full 6.78 0.33
	1679	68	20.99	0.85	2.38	0.87	63	23	5.14	1.89	TRUE	0.12	0.00	preRn 0.43 0.01
226-Ra (232Th)	1349	65	16.86	0.81	2.89	0.83	46	14	3.76	1.10	TRUE	0.25	0.01	postRn 6.35 0.32
214-Pb	191	35	2.39	0.44	1.23	0.45	20	7	1.62	0.59	TRUE	0.37	0.02	
	627	46	7.84	0.58	4.09	0.58	19	3	1.51	0.23	TRUE	2.34	0.13	
214-Bi	722	47	9.03	0.59	4.75	0.60	20	3	1.62	0.22	TRUE	2.72	0.14	
	191	32	2.39	0.40	1.31	0.41	26	8	2.13	0.67	TRUE	0.38	0.01	
	79	30	0.99	0.38	0.49	0.38	23	18	1.87	1.47	TRUE	0.07	0.00	
	232	27	2.90	0.34	1.01	0.34	22	8	1.80	0.62	TRUE	0.38	0.02	
	67	15	0.84	0.19	0.23	0.19	25	21	2.03	1.68	TRUE	0.06	0.00	
210-Pb	462	60	5.78	0.75	0.40	0.76	9	17	0.74	1.39	TRUE	0.03	0.00	
232-Th							232Th			ppm eTh	error			sum
228-Ac	136	31	1.70	0.39	1.12	0.39	25	9	6.18	2.19	TRUE	0.32	0.01	full 15.60 0.57
	477	45	5.96	0.56	3.88	0.57	29	4	7.25	1.08	TRUE	1.54	0.05	
	435	63	5.44	0.79	2.79	0.80	26	7	6.31	1.82	TRUE	0.47	0.02	
224-Ra														
212-Pb	2531	112	31.64	1.40	21.54	1.42	25	2	6.16	0.41	TRUE	8.90	0.36	
212-Bi	86	35	1.08	0.44	0.66	0.45	20	14	5.03	3.41	TRUE	0.11	0.01	
208-Tl	87	41	1.09	0.51	0.73	0.52	63	46	15.54	11.31	TRUE	0.03	0.00	
	689	49	8.61	0.61	6.18	0.62	34	3	8.29	0.85	TRUE	2.86	0.08	
	50	27	0.63	0.34	0.34	0.34	20	21	5.00	5.07	TRUE	0.05	0.00	
	538	27	6.73	0.34	2.40	0.34	36	5	8.76	1.28	TRUE	1.33	0.04	
Sample														
Full Series	K		386	18	1.25	0.06						1.04	0.0493	0.301 0.01
WM	U		20.58	3.037	1.667	0.25	4.63	0.68	0.24	0.0359	0.192	0.03		
	Th		27.36	1.754	6.744	0.43	4.98	0.32	0.19	0.0124	0.347	0.02		
	Total						9.62	0.75	1.47	0.0622	0.839	0.04		
Thfull/Ufull							4.05							
Pre 222Rn	U		51.02	119.3	4.132	9.66	11.48	26.86	0.60	1.4119	0.475	1.11		
Post 222Rn	U		19.79	3.117	1.602	0.25	4.45	0.70	0.23	0.0369	0.184	0.03		
Difference			31.23	#####	2.53	9.67	7.03	26.87	0.37	1.41	0.29	1.11		

Detector 2
Sample 1652t
 Filename 1652t
 Roi file g2oct06
 Date 9-Aug-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate (cts/ks)	error	Net Rate (cts/ks)	error	Specific Activity (Bq/kg)	error	Concentration error	Within 2 err of WM ?	WM calcs				
40-K	883	41	11.04	0.51	4.67	0.52	K 133	15	0.43	0.05					
238-U							238U		ppm eU	error		x/sigm	1/sigm sum		
234-Th	1106	59	13.83	0.74	0.93	0.75	36	29	2.95	2.39	TRUE	0.04	0.00 full	8.07	0.29
	1551	66	19.39	0.83	0.78	0.84	21	22	1.69	1.82	TRUE	0.04	0.00 preRn	0.23	0.01
226-Ra (232Th)	1249	65	15.61	0.81	1.64	0.83	26	13	2.13	1.08	TRUE	0.15	0.01 postRn	7.84	0.28
214-Pb	276	36	3.45	0.45	2.29	0.46	37	8	3.02	0.63	TRUE	0.62	0.02		
	729	47	9.11	0.59	5.37	0.60	24	3	1.98	0.24	TRUE	2.74	0.11		
214-Bi	926	49	11.58	0.61	7.30	0.62	31	3	2.48	0.25	TRUE	3.31	0.11		
	203	32	2.54	0.40	1.46	0.41	29	8	2.38	0.68	TRUE	0.42	0.01		
	115	31	1.44	0.39	0.94	0.39	44	19	3.60	1.54	TRUE	0.12	0.00		
	244	27	3.05	0.34	1.16	0.34	26	8	2.07	0.62	TRUE	0.43	0.02		
	64	15	0.80	0.19	0.19	0.19	21	21	1.70	1.68	TRUE	0.05	0.00		
210-Pb	575	59	7.19	0.74	1.82	0.75	41	17	3.32	1.39	TRUE	0.14	0.00		
232-Th							232Th		ppm eTh	error			sum		
228-Ac	82	29	1.03	0.36	0.45	0.37	10	8	2.46	2.04	TRUE	0.15	0.01 full	6.19	0.65
	288	43	3.60	0.54	1.52	0.55	12	4	2.84	1.02	TRUE	0.67	0.06		
	321	59	4.01	0.74	1.36	0.75	13	7	3.08	1.70	TRUE	0.26	0.02		
224-Ra															
212-Pb	1475	107	18.44	1.34	8.34	1.36	10	2	2.38	0.39	TRUE	3.86	0.40		
212-Bi	51	34	0.64	0.43	0.22	0.43	7	13	1.69	3.31	TRUE	0.04	0.01		
208-Tl	55	40	0.69	0.50	0.33	0.51	29	44	7.04	10.88	TRUE	0.01	0.00		
	369	45	4.61	0.56	2.18	0.57	12	3	2.93	0.77	TRUE	1.22	0.10		
	91	26	1.14	0.33	0.85	0.33	51	20	12.55	4.96	FALSE	0.13	0.00		
	330	25	4.13	0.31	-0.20	0.32	-3	-5	-0.74	-1.17	FALSE	-0.13	0.04		

Sample		Specific Acti (Bq/kg)	Concentration (% or ppm)	Dose Rates (mGy/a)									
Full Series	K	133	15	0.43	0.05				0.36	0.0399	0.103	0.01	
WM	U	28.27	3.503	2.289	0.28	6.36	0.79	0.33	0.0414	0.263	0.03		
	Th	9.557	1.544	2.356	0.38	1.74	0.28	0.07	0.0109	0.121	0.02		
	Total					8.10	0.84	0.76	0.0585	0.488	0.04		
Thfull/Ufull						1.03							
Pre 222Rn	U	26.43	114.6	2.14	9.28	5.95	25.80	0.31	1.3561	0.246	1.07		
Post 222Rn	U	28.33	3.613	2.294	0.29	6.38	0.81	0.34	0.0428	0.264	0.03		
Difference		-1.90	#####	-0.15	9.29	-0.43	25.81	-0.02	1.36	-0.02	1.07		

Detector 2
Sample 1654t
 Filename 1654t
 Roi file g2oct06
 Date 12-Jul-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net Rate		Specific Activity		Concentration		Within	WM calcs					
			(cts/ks)	error	(cts/ks)	error	(Bq/kg)	error	error	2 err of WM ?							
40-K	985	40	12.31	0.50	5.94	0.51	K	169	15	0.55	0.05						
238-U							238U		ppm eU	error		x/sigm	1/sigm	sum			
234-Th	1137	59	14.21	0.74	1.32	0.75	52	30	4.18	2.39	TRUE	0.06	0.00	full	4.14 0.39		
226-Ra (232-Th)	1450	66	18.13	0.83	-0.48	0.84	-13	-22	-1.04	-1.82	FALSE	-0.03	0.00	preRn	0.21 0.01		
214-Pb	1267	64	15.84	0.80	1.87	0.82	30	13	2.43	1.07	TRUE	0.17	0.01	postRn	3.94 0.38		
214-Bi	200	34	2.50	0.43	1.34	0.43	22	7	1.77	0.58	TRUE	0.43	0.02				
	511	43	6.39	0.54	2.64	0.55	12	3	0.97	0.21	TRUE	1.83	0.15				
210-Pb	491	45	6.14	0.56	1.86	0.57	8	2	0.63	0.20	TRUE	1.31	0.17				
	140	31	1.75	0.39	0.67	0.40	14	8	1.10	0.65	TRUE	0.21	0.02				
	28	30	0.35	0.38	-0.15	0.38	-7	-18	-0.57	-1.47	FALSE	-0.02	0.00				
	165	26	2.06	0.33	0.17	0.33	4	7	0.30	0.59	TRUE	0.07	0.02				
	50	14	0.63	0.18	0.02	0.18	2	19	0.17	1.57	TRUE	0.01	0.00				
232-Th	532	58	6.65	0.73	1.28	0.74	29	17	2.33	1.36	TRUE	0.10	0.00				
228-Ac	151	30	1.89	0.38	1.31	0.38	232Th	9	7.22	2.12	TRUE	0.39	0.01	full	9.62 0.65		
	290	42	3.63	0.53	1.54	0.54	12	4	2.88	1.00	TRUE	0.71	0.06				
	409	60	5.11	0.75	2.46	0.76	23	7	5.57	1.74	TRUE	0.46	0.02				
224-Ra	1761	106	22.01	1.33	11.92	1.35	14	2	3.41	0.39	TRUE	5.58	0.40				
212-Pb	80	33	1.00	0.41	0.58	0.42	18	13	4.45	3.22	TRUE	0.11	0.01				
208-Tl	3	39	0.04	0.49	-0.32	0.50	-27	-43	-6.76	-10.62	FALSE	-0.01	0.00				
	436	45	5.45	0.56	3.02	0.57	16	3	4.05	0.77	TRUE	1.68	0.10				
	56	26	0.70	0.33	0.41	0.33	25	20	6.11	4.90	TRUE	0.06	0.00				
	425	25	5.31	0.31	0.99	0.32	15	5	3.60	1.17	TRUE	0.65	0.04				
Sample							Specific Activi	Concentration	Dose Rates (mGy/a)								
Full Series							(Bq/kg)	(% or ppm)	Alpha	error	Beta	error	Gamm	error			
WM							K	169	15	0.55	0.05	0.45	0.0391	0.132	0.01		
							U	10.56	2.549	0.855	0.21	2.38	0.57	0.12	0.0302	0.098	0.02
							Th	14.72	1.531	3.628	0.38	2.68	0.28	0.10	0.0108	0.186	0.02
							Total		5.06	0.64	0.68	0.0505	0.416	0.03			
Thfull/Ufull								4.24									
Pre 222Rn							U	23.18	112.7	1.877	9.13	5.22	25.37	0.27	1.3338	0.216	1.05
Post 222Rn							U	10.27	2.608	0.832	0.21	2.31	0.59	0.12	0.0309	0.096	0.02
Difference								12.91	#####	1.05	9.13	2.90	25.38	0.15	1.33	0.12	1.05

Detector	2															
Sample	1656t															
Filename	1656t															
Roi file	g2oct06															
Date	1-Aug-06															
Time (ks)	80.00															
Mass (g)	20															
	Counts	error	Rate	error	Net	error	Specific	error	Concentration	Within	WM calcs					
			(cts/ks)		(cts/ks)		(Bq/kg)		error	2 err of	WM ?					
40-K	1233	46	15.41	0.58	9.04	0.58	K	257	17	0.83	0.05					
238-U							238U		ppm eU	error		x/sigm	1/sigm	sum		
234-Th	1039	60	12.99	0.75	0.10	0.76	4	30	0.30	2.42	TRUE	0.00	0.00	full	5.56	0.35
	1388	66	17.35	0.83	-1.26	0.84	-33	-22	-2.71	-1.82	FALSE	-0.07	0.00	preRn	-0.11	0.01
226-Ra (23	1075	64	13.44	0.80	-0.53	0.82	-9	-13	-0.70	-1.06	FALSE	-0.05	0.01	postRn	5.68	0.34
214-Pb																
	219	35	2.74	0.44	1.58	0.45	26	7	2.08	0.60	TRUE	0.47	0.02			
	601	46	7.51	0.58	3.77	0.58	17	3	1.39	0.23	TRUE	2.19	0.13			
214-Bi	610	46	7.63	0.58	3.35	0.59	14	3	1.14	0.21	TRUE	2.14	0.15			
	160	32	2.00	0.40	0.92	0.41	19	8	1.50	0.67	TRUE	0.27	0.01			
	95	32	1.19	0.40	0.69	0.41	33	19	2.64	1.57	TRUE	0.09	0.00			
	219	26	2.74	0.33	0.84	0.33	19	7	1.51	0.60	TRUE	0.34	0.02			
	80	15	1.00	0.19	0.39	0.19	43	21	3.46	1.69	TRUE	0.10	0.00			
210-Pb	505	60	6.31	0.75	0.94	0.76	21	17	1.72	1.40	TRUE	0.07	0.00			
232-Th							232Th		ppm eTh	error			sum			
228-Ac	110	31	1.38	0.39	0.80	0.39	18	9	4.39	2.18	TRUE	0.23	0.01	full	10.16	0.61
	380	45	4.75	0.56	2.67	0.57	20	4	4.98	1.07	TRUE	1.07	0.05			
	274	62	3.43	0.78	0.78	0.79	7	7	1.76	1.79	TRUE	0.14	0.02			
224-Ra																
212-Pb	1794	110	22.43	1.38	12.33	1.40	14	2	3.52	0.40	TRUE	5.38	0.38			
212-Bi	116	35	1.45	0.44	1.03	0.45	32	14	7.89	3.42	TRUE	0.17	0.01			
208-Tl	9	40	0.11	0.50	-0.24	0.51	-21	-44	-5.17	-10.86	FALSE	-0.01	0.00			
	553	47	6.91	0.59	4.48	0.60	24	3	6.01	0.81	FALSE	2.27	0.09			
	74	26	0.93	0.33	0.64	0.33	38	20	9.42	4.93	TRUE	0.10	0.00			
	448	25	5.60	0.31	1.27	0.32	19	5	4.65	1.17	TRUE	0.84	0.04			
Sample					Specific Activi	Concentration	Dose Rates (mGy/a)									
					(Bq/kg)	(% or ppm)	Alpha	Beta	error		Gamm	error				
Full Series	K		257	17	0.83	0.05			0.69	0.045	0.2	0.01				
WM	U		15.95	2.866	1.291	0.23	3.59	0.64	0.19	0.0339	0.148	0.03				
	Th		16.77	1.65	4.132	0.41	3.05	0.30	0.12	0.0116	0.212	0.02				
						Total	6.64	0.71	1.00	0.0575	0.561	0.04				
Thfull/Ufull						3.20										
Pre 222Rn	U		-12.56	112.2	-1.02	9.09	-2.83	25.26	-0.15	1.3279	-0.12	1.04				
Post 222Rn	U		16.69	2.941	1.352	0.24	3.76	0.66	0.20	0.0348	0.155	0.03				
Difference			-29.25	#####	-2.37	9.09	-6.58	25.27	-0.35	1.33	-0.27	1.04				

Detector 2
 Sample 1675t
 Filename 1675t
 Roi file g2oct06
 Date 11-Jul-06
 Time (ks) 80.00
 Mass (g) 20

	Counts	error	Rate		Net		Specific		Concentration		Within		WM calcs			
			(cts/ks)	error	(cts/ks)	error	Activity	error	error	2 err of	WM ?					
40-K	766	40	9.58	0.50	3.21	0.51	K	91	14	0.29	0.05					
238-U							238U	ppm eU	error			x/sigm	1/sigm	sum		
234-Th	1189	59	14.86	0.74	1.97	0.75	77	30	6.24	2.41	FALSE	0.09	0.00	full	3.58	0.41
	1552	65	19.40	0.81	0.79	0.83	21	22	1.71	1.79	TRUE	0.04	0.00	preRn	0.28	0.01
226-Ra (23	1247	63	15.59	0.79	1.62	0.80	26	13	2.10	1.05	TRUE	0.15	0.01	postRn	3.30	0.40
214-Pb	132	33	1.65	0.41	0.49	0.42	8	7	0.65	0.56	TRUE	0.17	0.02			
	446	42	5.58	0.53	1.83	0.53	8	2	0.67	0.20	TRUE	1.36	0.16			
214-Bi	520	44	6.50	0.55	2.22	0.56	9	2	0.76	0.19	TRUE	1.62	0.17			
	81	30	1.01	0.38	-0.06	0.38	-1	-8	-0.10	-0.62	FALSE	-0.02	0.02			
	43	29	0.54	0.36	0.04	0.37	2	18	0.15	1.42	TRUE	0.01	0.00			
	182	26	2.28	0.33	0.38	0.33	8	7	0.68	0.59	TRUE	0.16	0.02			
	39	14	0.49	0.18	-0.12	0.18	-13	-19	-1.04	-1.57	FALSE	-0.03	0.00			
210-Pb	471	57	5.89	0.71	0.52	0.73	12	16	0.94	1.33	TRUE	0.04	0.00			
232-Th							232Th	ppm eTh	error					sum		
228-Ac	62	28	0.78	0.35	0.20	0.36	4	8	1.08	1.97	TRUE	0.07	0.02	full	4.76	0.70
	249	42	3.11	0.53	1.03	0.54	8	4	1.93	1.00	TRUE	0.47	0.06			
	239	59	2.99	0.74	0.34	0.75	3	7	0.77	1.70	TRUE	0.07	0.02			
224-Ra																
212-Pb	1296	102	16.20	1.28	6.10	1.30	7	2	1.74	0.37	TRUE	3.10	0.44			
212-Bi	74	33	0.93	0.41	0.51	0.42	16	13	3.88	3.22	TRUE	0.09	0.01			
208-Tl	45	40	0.56	0.50	0.21	0.51	18	44	4.39	10.86	TRUE	0.01	0.00			
	267	43	3.34	0.54	0.91	0.55	5	3	1.22	0.74	TRUE	0.55	0.11			
	70	25	0.88	0.31	0.59	0.32	35	19	8.69	4.74	TRUE	0.10	0.00			
	380	24	4.75	0.30	0.42	0.31	6	5	1.55	1.12	TRUE	0.30	0.05			
Sample																
Full Series	K		91	14	0.29	0.05					0.24	0.0389	0.071	0.01		
WM	U		8.69	2.423	0.703	0.20	1.95	0.55	0.10	0.0287	0.081	0.02				
	Th		6.756	1.419	1.665	0.35	1.23	0.26	0.05	0.01	0.086	0.02				
							Total	3.19	0.60	0.39	0.0493	0.237	0.03			
Thfull/Ufull							2.37									
Pre 222Rn	U		31.23	109.8	2.529	8.89	7.03	24.70	0.37	1.2988	0.291	1.02				
Post 222Rn	U		8.18	2.478	0.662	0.20	1.84	0.56	0.10	0.0293	0.076	0.02				
Difference			23.05	#####	1.87	8.89	5.19	24.71	0.27	1.30	0.21	1.02				

Detector		2															
Sample		1681t															
Filename		1681t															
Roi file		g2oct06															
Date		26-Jul-06															
Time (ks)		80.00															
Mass (g)		20															
		Counts	error	Rate	error	Net Rate	error	Specific Activity	error	Concentration	Within error	WM calcs					
				(cts/ks)			(cts/ks)	(Bq/kg)	%K		WM ?						
40-K		1198	43	14.98	0.54	8.61	0.55	245	16	0.79	0.05						
238-U																	
234-Th		939	59	11.74	0.74	-1.15	0.75	-45	-30	-3.66	-2.39	FALSE	-0.05	0.00	full	6.84	0.33
		1566	67	19.58	0.84	0.97	0.85	26	23	2.09	1.84	TRUE	0.05	0.00	preRn	0.04	0.01
226-Ra (232-Th)		1150	64	14.38	0.80	0.40	0.82	6	13	0.52	1.06	TRUE	0.04	0.01	postRn	6.80	0.32
214-Pb		179	35	2.24	0.44	1.08	0.45	18	7	1.42	0.59	TRUE	0.33	0.02			
		675	45	8.44	0.56	4.69	0.57	21	3	1.73	0.23	TRUE	2.69	0.13			
214-Bi		760	47	9.50	0.59	5.22	0.60	22	3	1.78	0.22	TRUE	2.91	0.13			
		181	31	2.26	0.39	1.19	0.40	24	8	1.93	0.65	TRUE	0.37	0.02			
		117	30	1.46	0.38	0.96	0.38	46	18	3.70	1.49	TRUE	0.13	0.00			
		201	26	2.51	0.33	0.62	0.33	14	7	1.10	0.60	TRUE	0.25	0.02			
		65	15	0.81	0.19	0.21	0.19	22	21	1.81	1.68	TRUE	0.05	0.00			
210-Pb		504	59	6.30	0.74	0.93	0.75	21	17	1.70	1.38	TRUE	0.07	0.00			
232-Th																	
228-Ac		126	29	1.58	0.36	1.00	0.37	22	8	5.49	2.05	TRUE	0.32	0.01	full	7.40	0.64
		277	43	3.46	0.54	1.38	0.55	10	4	2.58	1.02	TRUE	0.61	0.06			
		253	60	3.16	0.75	0.51	0.76	5	7	1.16	1.73	TRUE	0.10	0.02			
224-Ra																	
212-Pb		1483	107	18.54	1.34	8.44	1.36	10	2	2.41	0.39	TRUE	3.90	0.40			
212-Bi		83	33	1.04	0.41	0.62	0.42	19	13	4.74	3.22	TRUE	0.11	0.01			
208-Tl		79	40	0.99	0.50	0.63	0.51	54	45	13.42	11.00	TRUE	0.03	0.00			
		479	46	5.99	0.58	3.56	0.59	19	3	4.77	0.79	FALSE	1.89	0.10			
		18	25	0.23	0.31	-0.06	0.32	-4	-19	-0.89	-4.70	FALSE	-0.01	0.00			
		406	26	5.08	0.33	0.75	0.33	11	5	2.73	1.21	TRUE	0.46	0.04			
Sample																	
				Specific Activi		Concentration		Dose Rates (mGy/a)									
				(Bq/kg)		(% or ppm)		Alpha error		Beta error		Gammerror					
Full Series	K	245	16	0.79	0.05					0.66	0.0421	0.191	0.01				
WM	U	20.80	3.042	1.685	0.25	4.68	0.68	0.25	0.036	0.194	0.03						
	Th	11.58	1.564	2.854	0.39	2.11	0.28	0.08	0.011	0.147	0.02						
	Total					6.79	0.74	0.98	0.0565	0.531	0.04						
Thfull/Ufull	1.69																
Pre 222Rn	U	4.00	112.5	0.324	9.11	0.90	25.31	0.05	1.3308	0.037	1.05						
Post 222Rn	U	21.27	3.127	1.723	0.25	4.79	0.70	0.25	0.037	0.198	0.03						
Difference		-17.27	#####	-1.40	9.11	-3.89	25.32	-0.20	1.33	-0.16	1.05						