000011912

000011912

CORRES. CONTROL
OUTGOING LTR NO.

DOE ORDER # 93 RF 12407

DIST.	LTR	ENC
AMARAL, M.E.		
BENEDETTI, R.L.	X	
BENJAMIN, A.		
BERMAN, H.S.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
DAVIS, J.G.		
FERRERA, D.W.		
HANNI, B.J.		
HARMAN, L.K.		
HEALY, T.J.		
HEDAHL, T.		
HILBIG, J.G.		
KIRBY, W.A.		
KUESTER, A.W.		
MANN, H.P.	X	
MARX, G.E.		
McDONALD, M.M.		
McKENNA, F.G.		
MONTROSE, J.K.		
MORGAN, R.V.		
POTTER, G.L.		
PIZZUTO, V.M.		
RILEY, J.H.		
RISING, T.L.		
SANDLIN, N.B.		
SETLOCK, G.H.		
STEWART, D.L.		
SULLIVAN, M.T.		
SWANSON, E.R.		
WILKINSON, R.B.	X	
WILLIAMS, S. (ORC)		
WILSON, J. M.		
WYANT, R.B.		
Peterman BD	X	
Busby WS	X	
IA/su file	X	
Record Ctr (2)	X	X
CORRES CONTROL	x	x
ADMIN RECORD		
PATS/T130G		
TRAFFIC		

CLASSIFICATION:

UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE
DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO: N/A

ACTION ITEM STATUS
☐ PARTIAL/OPEN
X CLOSED

LTR APPROVALS: WSB : BDP

ORIG & TYPIST INITIALS BDP/dmf

RF-46469 (Rev. 7 93)

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

October 14, 1993 93-RF-12407

Richard J. Schassburger
Acting Director
Environmental Restoration Division
DOE, RFO

Attn: B. K. Thatcher

SUBMITTAL OF INITIAL RADIATION SURVEY RESULTS FOR THE INDUSTRIAL AREA OPERABLE UNITS (8, 9, 10, 12, 13, AND 14) - WSB-422-93

EG&G Rocky Flats, Inc. (EG&G Rocky Flats) Remediation Project Management is submitting the initial radiation survey results completed to date using the High Purity Germanium (HPGe) detector. The results are summarized in the attached spreadsheet and include all of the Operable Units (OUs) upon which HPGe surveys have been performed. Complete coverage of Industrial Area Operable Units (IA OUs) 8, 10, 12, 13, and 14, excluding those Individual Hazardous Substance Sites (IHSSs) within the Protected Area (PA), have been completed and are presented within the spreadsheet.

The spreadsheet summarizes the results of the HPGe surveys. The first column lists the OU, the next two columns provide the HPGe file references followed by the coordinates of the HPGe survey point in the Colorado State Plane Coordinate system. The remaining columns list the specific isotopic results and overall exposure rate as measured by the HPGe. The final column is important for the IA OUs only and represents the Field of View as a percentage (% FOV) that is blocked by materials stored at the IHSS on a per station basis. The estimate of the % FOV blocked is based on existing materials stored at the IHSS, e.g. scrap metal, drums, or temporary storage of nonhazardous materials. Remediation Project Management (RPM) has been working with Plant Services Support to remove materials from IHSSs in order to continue with investigative field work. When the IHSSs are cleaned out, RPM intends to re-survey the IHSSs with the HPGe so that the results of the cleaned-out IHSSs can be compared to the results when the IHSSs had material stored on them.

HPGe surveys for the IA OUs are still being performed, and as new data is collected, RPM will transmit the initial information to the Department of Energy, Rocky Flats Office.

ADMIN RECORD

If you have any questions or require additional information regarding this matter, please contact B. D. Peterman of Remediation Project Management at extension 8659.

W. S. Busby
Acting Director
ERM/Remediation Project Management

BDP:dmf

Orig. and 1 cc - R. J. Schassburger

Attachment:
As Stated

cc:
R. H. Birk - DOE, RFO
S. R. Grace - "

OU-1, 2, 5, 6, 8, 10, 11, 12, 13, 14

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
1	8.chn	F05	748000	2084600	11.1	0.699	1.1	1.69	0.0733	0.321	0	0	6.56	0
1	9.chn	F06	748000	2084750	13.4	0.843	1.31	1.95	0.104	0.178	0.24	0	7.84	0
1	10.chn	E06	748150	2084750	11.2	0.924	1.29	3.45	0.11	0.169	0	0	7.45	0
1	11.chn	E07	748150	2084900	12.6	0.843	1.45	2.08	0.112	0.217	0.12	0	9.92	0
1	14.chn	E05	748150	2084600	10.9	0.688	1.03	1.67	0.0577	0.162	0.32	0	8.17	0
1	15.chn	E08	748150	2085050	13.4	0.943	1.51	1.99	0.095	0.262	0	0	8.32	0
1	17.chn	D08	748300	2085050	10.8	0.78	0.957	1.22	0.0754	0.338	0.24	0	6.3	0
1	21.chn	D10	748300	2085350	11.1	0.779	1.16	1.4	0.0647	0.354	0.48	0	6.74	0
1	22.chn	C11	748450	2085500	17.3	0.748	0.923	1.48	0.0455	0.0957	0	0	10.1	0
1	23.chn	C12	748450	2085650	14.6	0.791	1.09	1.3	0.0699	0.221	0.65	0	10.7	0
1	24.chn	D11	748300	2085500	16	0.956	1.28	1.49	0.0791	0.349	0.32	0	12.6	0
1	30.chn	E04	748150	2084450	12.7	1.2	1.26	1.51	0.0497	0.0841	0.4	0	8.17	0
1	31.chn	D04	748300	2084450	9.2	1.01	0.964	1.59	0.0616	0.184	0.19	0	6.31	0
1	32chn	E03	748150	2084300	14.5	1.09	1.36	1.38	0.0651	0.097	0	0	8.44	0
1	35.chn	D03	748300	2084300	12.4	1.37	1.19	1.85	0.0374	0.114	0	0	7.98	0
1	36.chn	F03	748000	2084300	12	0.994	1.05	1.49	0.0494	0.222	0	0	7.15	0
1	39.chn	F04	748000	2084450	11.7	0.847	1.16	1.56	0.075	0.327	0.13	0	6.99	0
1	42.chn	D05	748300	2084600	7.96	0.869	0.887	1.79	0.0602	0.192	0.19	0	5.68	0
1	43.chn	D06	748300	2084750	10.3	0.933	1	1.53	0.0756	0.297	0	0	6.59	0
1	44.chn	D09	748300	2085200	12.5	0.975	1.28	1.57	0.0897	0.425	0.48	0	7.78	0
1	47.chn	D07	748300	2084900	11	1.07	1.08	1.76	0.0779	0.281	0.13	0	6.96	0
1	48.chn	E09	748150	2085200	12.8	1.1	1.28	1.79	0.0624	0.295	0.25	0	7.96	0
2	120.chn	1	749610	2086140	9.87	0.657	0.947	3.9	0.0984	0.145	0.662	0	5.82	0
2	121.chn	2	749690	2086265	9.5	0.656	0.821	1.74	0.0572	0.181	0.431	0	5.59	0
2	122.chn	3	749530	2086260	8.98	0.582	0.806	4.97	0.14	0.173	1.43	0	5.3	0
2	123.chn	4	749410	2086385	11.3	0.602	0.902	1.57	0.067	0.11	5.26	0	6.02	0
2	124.chn	5	749290	2086440	20.2	0.745	1.2	2.08	0.0603	0.0489	1.42	0	8.85	0
5	169.chn	B12	748015	2079995	12	1.16	0.914	1.38	0.0594	0.152	0	0	6.83	0
5	167.chn	B13	748015	2080145	8.52	0.8	1.03	1.47	0.06	0.367	0	0	7.32	0
5	57.chn	B14	748015	2080295	8.23	0.779	0.955	1.23	0.0379	0.353	0	0	7.01	0
5	168.chn	B14	748015	2080295	8.95	0.993	0.957	1.17	0.0572	0.32	0	0	6.13	0
5	56.chn	B15	748015	2080445	11.6	0.816	0.909	1.12	0.0606	0.335	0	0	6.34	0
5	53.chn	B16	748015	2080595	11.3	0.606	0.76	1.49	0.0439	0.266	0	0	5.65	0
5	52.chn	B17	748015	2080745	10.1	0.626	0.743	1.52	0.0395	0.336	0	0	5.52	0
5	51.chn	B18	748015	2080895	8.29	0.687	0.836	1.25	0.0377	0.454	0	0	5.52	0
5	189.chn	C07	747865	2079245	10.2	0.626	0.693	1.27	0.0497	0.112	0	0	5.23	0

OU-1, 2, 5, 6, 8, 10, 11, 12, 13, 14

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
5	178.chn	C08	747865	2079395	11.5	0.908	1.01	1.65	0.0744	0.166	0	0	6.68	0
5	177.chn	C09	747865	2079545	7.83	0.673	0.717	1.61	0.0704	0.181	0	0	5.2	0
5	176.chn	C10	747865	2079695	8.88	1	1.1	1.59	0.0489	0.432	0	0	6.66	0
5	175.chn	C11	747865	2079845	8.17	0.996	1.05	1.43	0.0819	0.426	0	0	6.26	0
5	170.chn	C12	747865	2079995	7.61	0.874	0.974	1.23	0.0748	0.302	0	0	5.72	0
5	183.chn	C13	747865	2080145	8.33	0.874	1.18	1.57	0.0629	0.597	0	0	6.49	0
5	162.chn	C14	747865	2080295	5.95	0.743	0.944	1.36	0.0403	0.625	0	0	5.43	0
5	161.chn	C15	747865	2080445	6.54	0.828	0.976	1.26	0.0353	0.501	0	0	5.59	0
5	129.chn	C16	747865	2080595	5.29	0.801	0.87	1.23	0.0471	0.541	0	0	4.98	0
5	159.chn	C17	747865	2080745	4.3	0.556	0.605	1.25	0.0272	0.378	0	0	3.7	0
5	58.chn	C18	747865	2080895	6.68	0.686	0.738	1.05	0.0432	0.388	0	0	4.97	0
5	190.chn	D03	747415	2078645	7.67	0.93	0.794	1.5	0.0465	0.293	0	0	5.43	0
5	192.chn	D04	747415	2078795	8.3	0.997	0.999	1.21	0.062	0.379	0	0	6.11	0
5	207.chn	D05	747715	2078945	7.57	0.751	0.931	1.21	0.0764	0.48	0	0	5.64	0
5	213.chn	D06	747715	2079095	11.1	0.681	1.05	1.22	0.0581	0.287	0	0	6.48	0
5	200.chn	D07	747715	2079245	13.7	0.795	1.12	1.54	0.0574	0.178	0	0	7.07	0
5	199.chn	D08	747715	2079395	15	0.766	1.08	1.8	0.0619	0.108	0	0	7.1	0
5	198.chn	D09	747715	2079545	9.39	0.743	1.06	2.3	0.0778	0.24	0	0	5.99	0
5	197.chn	D10	747715	2079695	10.8	0.765	1.21	1.98	0.0735	0.278	0	0	6.88	0
5	113.chn	D11	747715	2079845	9.18	0.699	1.02	1.53	0.074	0.267	0	0	6.14	0
5	235.chn	D12	747715	2079995	9.42	0.751	0.997	1.55	0.063	0.28	0	0	7.78	0
5	184.chn	D13	747715	2080145	6.42	0.738	0.904	1.53	0.0605	0.469	0	0	5.33	0
5	214.chn	D14	747715	2080295	9.01	0.734	1.17	1.7	0.0748	0.462	0	0	6.36	0
5	78.chn	D15	747715	2080445	12.5	0.853	1.43	1.61	0.0986	0.331	0	0	7.99	0
5	73.chn	D16	747715	2080595	12.6	1.03	1.36	1.52	0.0903	0.317	0	0	8.39	0
5	67.chn	D17	747715	2080745	10.2	1.02	1.18	1.92	0.0549	0.372	0	0	7.23	0
5	61.chn	D18	747715	2080895	10.7	0.901	1.21	1.58	0.0645	0.356	0	0	7.26	0
5	154.chn	E01	747565	2078345	6.51	0.755	0.894	1.03	0.0506	0.247	0	0	5.16	0
5	205.chn	E02	747565	2078495	6.31	0.709	0.966	1.35	0.0581	0.421	0	0	5.3	0
5	206.chn	E03	747565	2078645	6.01	0.696	0.931	1.18	0.0687	0.511	0	0	5.28	0
5	151.chn	E04	747565	2078795	10.8	0.876	1.05	1.1	0.0417	0.198	0	0	6.67	0
5	152.chn	E05	747565	2078945	10.8	0.892	1.14	1.41	0.054	0.222	0	0	6.85	0
5	124.chn	E06	747565	2079095	15.9	0.987	1.69	1.95	0.0843	0.332	0.098	0	9.61	0
5	219.chn	E06	747565	2079095	15.4	1.01	1.64	1.76	0.0914	0.315	0	0	9.41	0
5	123.chn	E07	747565	2079245	14.8	0.916	1.55	2.12	0.101	0.281	0	0	9.02	0
5	218.chn	E08	747565	2079395	15.1	1.03	1.6	2.18	0.11	0.279	0	0	9.24	0
5	114.chn	E09	747565	2079545	9.41	0.726	1.14	3.36	0.121	0.333	0	0	9.8	0

OU-1, 2, 5, 6, 8, 10, 11, 12, 13, 14

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
5	110.chn	E10	747565	2079695	11.7	0.944	1.62	3.9	0.138	0.31	0	0	8.48	0
5	108.chn	E11	747565	2079845	13.5	1.02	1.84	3.65	0.16	0.333	0	0	9.58	0
5	102.chn	E12	747565	2079995	12.7	0.906	1.75	3.51	0.152	0.402	0	0	8.94	0
5	96.chn	E13	747565	2080145	9.59	0.812	1.31	1.85	0.0895	0.363	0	0	6.89	0
5	90.chn	E14	747565	2080295	11.1	0.832	1.39	1.94	0.0812	0.425	0	0	7.49	0
5	79.chn	E15	747565	2080445	14.6	1.02	1.86	2.46	0.114	0.355	0	0	10	0
5	74.chn	E16	747565	2080595	13	1.14	1.57	1.67	0.0987	0.36	0	0	8.95	0
5	68.chn	E17	747565	2080745	11.5	1.08	1.43	1.91	0.0869	0.363	0	0	8.15	0
5	62.chn	E18	747565	2080895	9.12	0.851	1.1	1.4	0.0452	0.349	0	0	6.46	0
5	137.chn	F01	747415	2078345	13.3	1.14	2.26	2.05	0.108	0.377	0	0	10.7	0
5	136.chn	F02	747415	2078495	13	1.08	2.02	2	0.0938	0.367	0	0	9.98	0
5	132.chn	F03	747415	2078645	13	0.979	2	1.59	0.12	0.405	0	0	9.6	0
5	133.chn	F04	747415	2078795	12.4	0.878	1.67	1.48	0.0995	0.396	0	0	8.59	0
5	126.chn	F05	747415	2078945	14.2	1	1.92	1.87	0.102	0.395	0	0	9.86	0
5	125.chn	F06	747415	2079095	18.7	1.24	1.63	2.02	0.11	0.281	0	0	10.5	0
5	120.chn	F07	747415	2079245	15	1.06	2.03	2.34	0.107	0.39	0	0	10.5	0
5	119.chn	F08	747415	2079395	13.1	0.894	1.74	2.61	0.095	0.316	0	0	9.01	0
5	118.chn	F09	747415	2079545	9.92	0.786	1.38	2.75	0.118	0.344	0	0	7.25	0
5	117.chn	F10	747415	2079695	10	0.803	1.54	18.8	0.363	0.41	0	0	7.96	0
5	109.chn	F11	747415	2079845	9.36	0.842	1.36	2.75	0.109	0.379	0	0	7.11	0
5	103.chn	F12	747415	2079995	10.8	0.835	1.43	2.81	0.118	0.367	0	0	7.54	0
5	97.chn	F13	747415	2080145	15.1	1.19	2.32	3.57	0.163	0.528	0	0	11.3	0
5	91.chn	F14	747415	2080295	10.2	0.826	1.47	2.13	0.0864	0.404	0	0	7.48	0
5	75.CHN	F16	747415	2080595	11.4	1.11	1.38	1.82	0.0985	0.398	0	0	8.02	0
5	80.chn	F15	747415	2080445	13.2	1.01	1.81	2.27	0.112	0.424	0	0	9.38	0
5	69.chn	F17	747415	2080745	10.7	1.09	1.38	1.63	0.0653	0.378	0	0	8.06	0
5	63.chn	F18	747415	2080895	10.8	0.925	1.28	1.73	0.0765	0.391	0	0	7.54	0
5	138.chn	G01	747265	2078345	12.1	0.9	1.69	2.02	0.099	0.356	0	0	8.56	0
5	236.chn	G02	747265	2078495	12.9	1.05	2.02	2.12	0.09	0.371	0	0	9.96	0
5	139.chn	G02	747265	2078495	12.9	0.993	2	1.76	0.12	0.384	0.17	0	9.75	0
5	143.chn	G03	747265	2078645	10.6	1.2	1.76	1.76	0.0861	0.396	0	0	8.9	0
5	144.chn	G04	747265	2078795	12.3	1.31	1.89	1.75	0.0718	0.383	0	0	9.67	0
5	212.chn	G07	747265	2079245	11.3	0.834	1.54	1.76	0.0913	0.321	0	0	8.01	0
5	145.chn	G08	747265	2079395	11.8	1.23	1.68	1.71	0.0798	0.361	0	0	8.97	0
5	146.chn	G09	747265	2079545	9.66	1.12	1.44	2.28	0.0573	0.373	0	0	7.72	0
5	105.chn	G11	747265	2079845	10.9	0.863	1.51	1.89	0.0909	0.332	0	0	7.81	0
5	104.chn	G12	747265	2079995	12.6	0.986	1.82	2.18	0.0892	0.371	0	0	9.33	0

OU-1, 2, 5, 6, 8, 10, 11, 12, 13, 14

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
5	98.chn	G13	747265	2080145	15.1	1.12	2.13	3.59	0.166	0.486	0	0	10.8	0
5	92.chn	G14	747265	2080295	11.6	0.857	1.62	1.48	0.0858	0.402	0	0	8.37	0
5	81.chn	G15	747265	2080445	11.6	0.949	1.71	1.91	0.0919	0.397	0	0	8.6	0
5	84.chn	G16	747265	2080595	11.5	1.21	1.59	1.67	0.078	0.375	0	0	8.7	0
5	70.chn	G17	747265	2080745	10.9	1.14	1.33	1.84	0.0829	0.359	0	0	8.02	0
5	64.chn	G18	747265	2080895	11.1	1.01	1.56	1.68	0.0628	0.343	0	0	8.32	0
5	93.chn	H13	747115	2080145	11.4	0.794	1.51	1.85	0.115	0.429	0	0	7.79	0
5	99.chn	H14	747115	2080295	15.3	1.29	2.21	2.59	0.11	0.596	0	0	11.4	0
5	87.chn	H15	747115	2080445	14.9	1.14	1.83	2.1	0.0883	0.373	0	0	10	0
5	85.chn	H16	747115	2080595	13	1.13	1.73	1.76	0.0904	0.393	0	0	9.36	0
5	86.chn	H17	747115	2080745	10.8	0.965	1.42	1.71	0.0709	0.328	0	0	7.7	0
6	274.chn	C14	751300	2087100	10.8	0.769	1.15	1.52	0.0989	0.295	0.136	0	6.39	0
6	265.chn	C15	751300	2087200	10.2	0.699	1.16	1.16	0.0815	0.462	0.19	0	6.7	0
6	275.chn	D11	751200	2086800	11.4	0.793	1.1	1.67	0.0805	0.213	0.11	0	6.71	0
6	256.chn	D12	751200	2086900	10.7	0.92	0.911	1.34	0.0642	0.0946	0	0	8.03	0
6	255.chn	D13	751200	2087000	11.5	0.984	1.03	1.36	0.0718	0.0869	0	0	8.34	0
6	6.chn	D14	751200	2087100	11.8	0.984	1.1	1.29	0.0693	0.114	0	0	6.79	0
6	263.chn	D15	751200	2087200	12.1	0.951	1.14	1.55	0.0769	0.178	0	0	7.14	0
6	264.chn	D16	751200	2087300	10.1	0.846	1.1	1.34	0.0754	0.354	0.197	0	6.58	0
6	270.chn	E08	751100	2086500	10.8	0.754	1.21	1.37	0.0775	0.37	0.245	0	6.87	0
6	271.chn	E09	751100	2086600	11	0.796	1.19	1.74	0.0814	0.237	0	0	6.82	0
6	259.chn	E10	751100	2086700	10.3	0.648	0.947	1.31	0.0637	0.111	0.151	0	5.84	0
6	258.chn	E11	751100	2086800	10.4	0.809	1.01	1.41	0.0923	0.0905	0	0	6.04	0
6	257.chn	E12	751100	2086900	11.9	0.915	1.09	1.62	0.0785	0.0602	0	0	6.76	0
6	262.chn	E13	751100	2087000	13.3	0.944	1.1	1.31	0.0713	0.0693	0	0	7.26	0
6	276.chn	E14	751100	2087100	11.7	0.802	1.08	1.52	0.0842	0.202	0.128	0	6.63	0
6	277.chn	E15	751100	2087200	10.4	0.745	1.18	1.39	0.0794	0.44	0.158	0	6.7	0
6	268.chn	F04	751000	2086100	17.3	0.921	1.27	1.68	0.0755	0.0493	0	0	8.3	0
6	269.chn	F05	751000	2086200	11.6	0.716	1.05	1.3	0.0655	0.0794	0	0	6.34	0
6	252.chn	F06	751000	2086300	11	0.679	1.05	1.42	0.0732	0.111	0.16	0	6.12	0
6	251.chn	F07	751000	2086400	12	0.733	1.11	1.39	0.0819	0.115	0	0	6.66	0
6	9.chn	F08	751000	2086500	11.9	0.89	1.16	1.37	0.0851	0.0756	0.16	0	6.81	0
6	8.chn	F09	751000	2086600	11.9	0.931	1.13	1.47	0.0932	0.0659	0	0	6.8	0
6	7.chn	F10	751000	2086700	12.1	0.943	1.1	1.64	0.0658	0.0473	0	0	6.78	0
6	3.chn	F11	751000	2086800	12.6	0.744	0.92	1.25	0.0678	0.0291	0	0	6.14	0
6	1.chn	F12	751000	2086900	14.9	0.853	1.21	1.42	0.0763	0.0442	0	0	7.53	0
6	2.chn	F13	751000	2087000	11.1	0.772	1.07	1.38	0.0833	0.105	0	0	6.24	0

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
6	313.chn	G03	750900	2086000	12	0.83	1.12	1.44	0.0802	0.0481	0.201	0	7.03	0
6	312.chn	G04	750900	2086100	12.4	0.9	1.2	1.25	0.0676	0.0578	0.202	0	7.15	0
6	323.chn	G05	750900	2086200	17.6	1.06	1.32	1.76	0.0857	0.0202	0	0	8.66	0
6	282.chn	G06	750900	2086300	17	0.795	1.21	1.67	0.0526	0.0113	0	0	7.77	0
6	224.chn	G07	750900	2086400	11.7	0.807	1.04	1.64	0.0605	0.0222	0.139	0	8.18	0
6	223.chn	G08	750900	2086500	13.5	0.96	1	1.5	0.0613	0.0106	0	0	7.27	0
6	224.chn	G07	750900	2086400	11.7	0.807	1.04	1.64	0.0605	0.0222	0.139	0	8.18	0
6	223.chn	G08	750900	2086500	13.5	0.96	1	1.5	0.0613	0.0106	0	0	7.27	0
6	280.chn	G09	750900	2086600	14.7	0.898	1.13	1.59	0.0768	0.0245	0	0	7.24	0
6	227.chn	G10	750900	2086700	12.2	0.758	0.94	1.58	0.0483	0.0248	0	0	6.26	0
6	228.chn	G11	750900	2086800	13.1	1.02	1.19	1.49	0.0721	0.0402	0	0	7.43	0
6	229.chn	G12	750900	2086900	11.6	0.888	1.09	1.54	0.0748	0.0843	0	0	6.71	0
6	317.chn	H04	750800	2086100	13	0.76	1.19	1.55	0.085	0.0966	0.329	0	7.15	0
6	318.chn	H05	750800	2086200	12.5	0.798	1.15	1.51	0.0867	0.09	0.376	0	7.05	0
6	324.chn	H06	750800	2086300	16.3	0.972	1.21	1.93	0.081	0.0126	0	0	8.01	0
6	283.chn	H07	750800	2086400	17.3	0.865	1.25	1.8	0.0789	0.0102	0	0	8.04	0
6	242.chn	H08	750800	2086500	14	0.786	1.09	1.62	0.0885	0.0227	0	0	6.87	0
6	241.chn	H09	750800	2086600	17.2	0.749	1.16	1.31	0.0628	0.0301	0	0	8	0
6	231.chn	H10	750800	2086700	12.6	0.788	1.15	1.53	0.0593	0.0789	0.218	0	6.79	0
6	230.chn	H11	750800	2086800	11	0.786	1.1	1.37	0.0774	0.17	0.186	0	6.42	0
6	307.chn	I03 + 25	750700	2086025	14.8	0.821	1.04	1.59	0.0668	0.0466	0.363	0	7.09	0
6	303.chn	I04	750700	2086100	12.5	0.788	1.13	1.5	0.0742	0.247	1.03	0	6.94	0
6	304.chn	I05	750700	2086200	18.1	0.86	1.46	1.66	0.0755	0.114	0.406	0	9.11	0
6	321.chn	I06	750700	2086300	14.5	0.723	1.19	1.43	0.0727	0.09	0.268	0	7.37	0
6	325.chn	I07	750700	2086400	16.8	0.885	1.22	1.48	0.0796	0.0162	0	0	7.94	0
6	242.chn	I08	750700	2086500	12.1	0.667	0.966	1.17	0.0553	0.0223	0	0	6.12	0
6	237.chn	I09	750700	2086600	13	0.757	1.13	1.46	0.0799	0.0555	0.244	0	7	0
6	308.chn	J03 + 25	750600	2086025	14.3	0.851	0.91	1.59	0.0694	0.0364	0.397	0	6.7	0
6	302.chn	J04	750600	2086100	11.7	0.814	1.11	1.3	0.0725	0.276	1.54	0	6.76	0
6	301.chn	J05	750600	2086200	14.9	0.748	0.966	1.43	0.0765	0.0705	0.376	0	6.91	0
6	322.chn	J07	750600	2086400	16.6	0.752	1.15	1.63	0.0648	0.086	0.303	0	7.62	0
6	284.chn	J08	750600	2086500	17.6	0.859	1.29	1.69	0.0593	0.0252	0.169	0	8.27	0
6	294.chn	J09	750600	2086600	11.6	0.753	1.14	1.49	0.0759	0.113	0.375	0	6.61	0
6	309.chn	K03 + 25	750500	2086025	14.2	0.877	0.816	1.79	0.0648	0.0301	0.466	0	6.4	0
6	295.chn	K08	750500	2086500	17.8	0.849	1.3	1.68	0.105	0.0553	0.281	0	8.46	0
6	290.chn	K09	750500	2086600	12.5	0.767	1.25	1.59	0.0958	0.158	0.322	0	7.22	0
6	296.chn	L08	750400	2086500	19.4	0.804	1.27	2.04	0.089	0.0567	0.347	0	8.48	0

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
6	289.chn	L09	750400	2086600	13.5	0.802	1.3	1.71	0.0931	0.24	0.805	0	7.71	0
6	300.chn	M07	750300	2086400	18.6	0.771	1.09	1.58	0.0746	0.0331	0.303	0	8	0
6	297.chn	M08	750300	2086500	20.3	0.779	1.35	1.62	0.0916	0.0507	0.236	0	8.88	0
6	288.chn	M09	750320	2086555	17.6	0.883	1.29	1.66	0.0873	0.0824	0.493	0	8.35	0
6	287.chn	N09	750204	2086586	15.8	0.882	1.27	1.74	0.0732	0.127	0.653	0	8.07	0
6	293.chn	O09	750100	2086600	15.3	0.902	1.17	1.64	0.0889	0.164	0.437	0	7.86	0
8	116.chn	3I	749380	2086015	12.1	0.89	0.91	1.57	0.0477	0.111	3.4	0	6.73	0
8	117.chn	3J	749390	2085830	12.2	0.831	0.86	1.5	0.0529	0.0966	1.35	0	6.52	0
8	118.chn	3K	749350	2085680	20.3	0.919	1.2	2.36	0.0526	0.0292	0.259	0	9.18	0
8	128.chn	3M	749410	2085470	16.1	0.802	0.99	4.66	0.0693	0.0593	0.269	0	7.5	0
8	129.chn	3N	749400	2085280	16.1	0.821	0.993	9.54	0.0855	0.0379	0.239	0	8.18	0
8	130.chn	3O	749400	2085110	15.7	0.996	0.856	7.13	0.0744	0	0.132	0	7.93	0
8	166.chn	4M	749490	2084900	16.3	1.14	0.968	2.99	0.0568	0.0135	0	0	8.22	10
8	169.chn	4N	749460	2084675	19.7	0.998	1.51	2.37	0.0505	0.0071	0	0	10.1	50
8	171.chn	4P	749390	2083275	22.7	1.16	2.15	2.74	0.0751	0.012	10.6	0	12.5	0
8	172.chn	4O	749450	2083425	19.7	1.02	1.54	3.28	0.076	0.0108	19.1	0.514	10.3	0
8	173.chn	4Q	749490	2083070	20.9	0.949	1.35	2.02	0.0547	0.0364	5.05	0	9.7	0
8	174.chn	4R	749330	2082940	20.3	0.932	1.3	2.11	0.059	0.0139	0.806	0	9.64	0
8	177.chn	4S	749340	2082690	22	0.943	1.33	2.01	0.0859	0.0209	0	0	9.86	50
8	178.chn	4T	749340	2082570	19.8	0.859	1.21	1.68	0.053	0.0147	0	0	9.08	50
8	179.chn	4U	749840	2082660	17.4	0.792	1.06	1.82	0.0419	0.0111	0	0	8.08	40
8	180.chn	4V	749925	2082625	16.1	0.762	1	2.14	0.0717	0.0121	0.118	0	7.36	0
8	183.chn	4W	749425	2083980	18.4	1.03	1.15	5.84	0.0675	0	0	0	8.92	50
8	184.chn	4X	749425	2084525	19.4	1.16	1.81	2.64	0.0575	0.00955	0	0	10.8	40
8	185.chn	4Y	749450	2084280	19.9	1.22	1.84	3.2	0.0627	0.0081	0	0	11.2	40
8	186.chn	4Z	749455	2084150	21.4	1.25	1.91	3.26	0.0671	0.0064	0	0	11.6	10
10	41.chn	B12	751800	2082000	12.1	0.814	1.02	1.7	0.0484	0.0419	0	0	6.76	
10	45.chn	B13	751800	2082100	11.4	0.729	1	1.69	0.0539	0.138	0	0	6.4	30
10	42.chn	C10	751700	2081800	11.8	0.787	1.06	1.89	0.0631	0.114	0	0	6.73	0
10	28.chn	C11	751700	2081900	14.9	0.964	1.69	2.3	0.0682	0.165	0	0	9.06	0
10	29.chn	C12	751700	2082000	17	1.13	2.27	2.8	0.085	0.184	0	0	10.9	0
10	44.chn	C13	751700	2082100	12.6	0.814	1.36	1.82	0.0567	0.167	0	0	7.72	10
10	58.chn	D08	751600	2081600	12.4	0.775	1.08	1.63	0.0604	0.195	0	0	6.99	0
10	21.chn	D09	751600	2081700	16.1	0.919	1.86	2.38	0.103	0.18	0	0	9.56	0
10	22.chn	D10	751600	2081800	14.9	0.974	1.97	2.59	0.0812	0.207	0	0	9.54	0
10	23.chn	D11	751600	2081900	15.7	1.13	2.03	2.7	0.0979	0.175	0	0	10.2	0

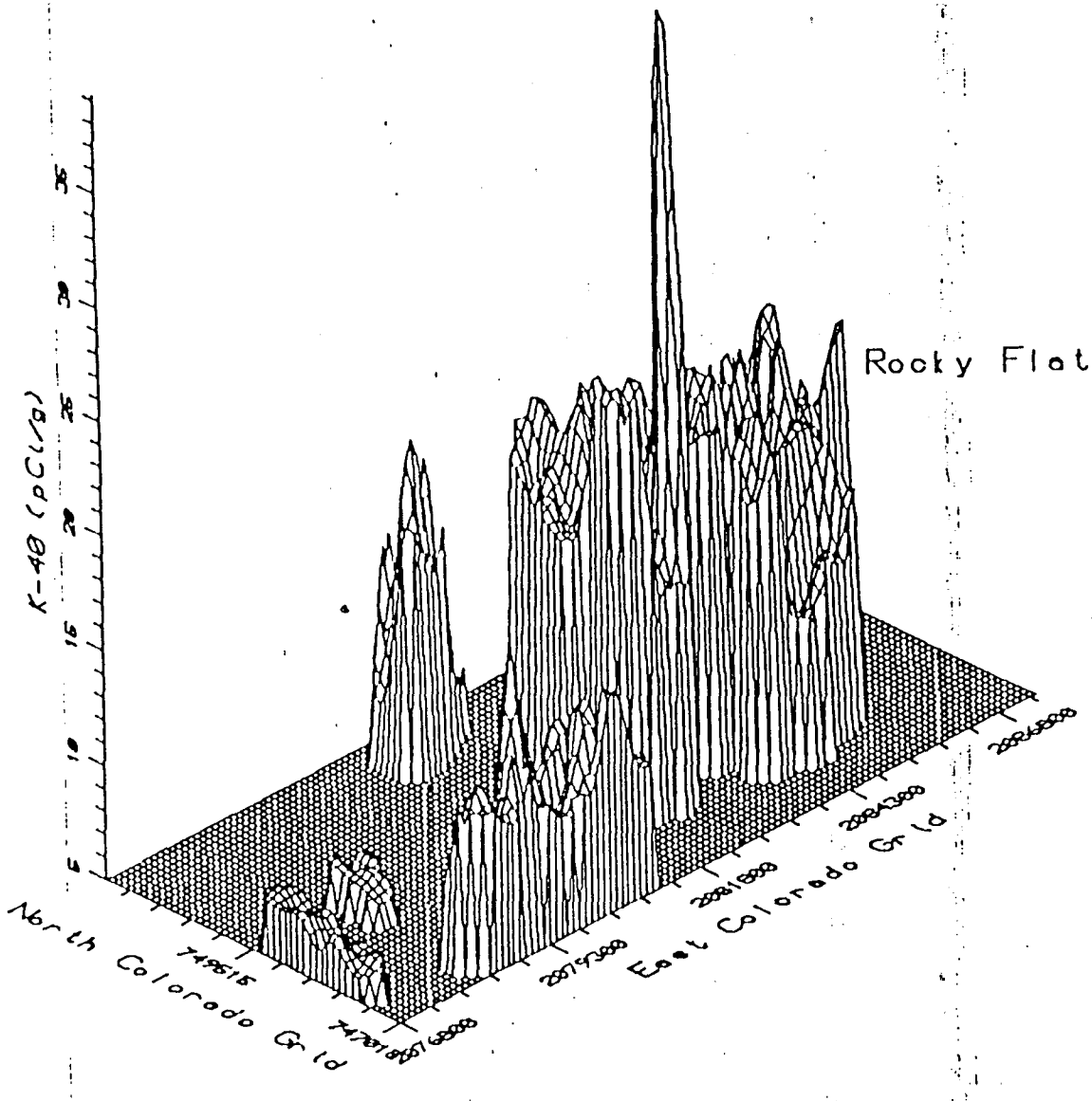
OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
10	24.chn	D12	751600	2082000	15.9	1.28	2.08	2.86	0.0848	0.246	0	0	10.5	0
10	25.chn	D13	751600	2082100	11.3	1.01	1.55	2.04	0.0646	0.246	0	0	8.09	0
10	43.chn	D14	751600	2082200	6.6	0.639	0.755	1.49	0.0545	0.207	0	0	4.83	30
10	57.chn	E06	751500	2081400	12	0.8	1	1.81	0.063	0.275	0	0	6.68	0
10	8.chn	E07	751500	2081500	17.7	0.963	1.08	1.92	0.0505	0.0865	0	0	8.28	0
10	9.chn	E08	751500	2081600	16.9	0.967	1.16	1.65	0.0577	0.09	0	0	8.29	0
10	10.chn	E09	751500	2081700	15.1	1.1	1.78	2.63	0.0658	0.191	0	0	9.48	0
10	11.chn	E10	751500	2081800	12.8	1.07	1.73	2.22	0.0813	0.262	0	0	8.87	0
10	12.chn	E11	751500	2081900	11.5	0.968	1.43	1.96	0.0814	0.199	0	0	7.85	0
10	35.chn	E12	751500	2082000	9.7	0.84	1.28	1.93	0.0734	0.392	0	0	6.94	0
10	30.chn	E13	751500	2082100	7.6	0.882	1.02	1.61	0.0682	0.425	0	0	6.18	0
10	67.chn	F04	751400	2081200	10.9	0.769	0.987	1.81	0.0728	0.308	0	0	6.32	0
10	63.chn	F04	751400	2081200	10.7	0.735	0.993	1.74	0.0661	0.317	0.103	0	6.32	0
10	15.chn	F05	751400	2081300	16.9	1.05	1.16	1.73	0.0475	0.104	0	0	8.42	0
10	16.chn	F06	751400	2081400	18	1.09	1.14	1.62	0.0573	0.114	0	0	8.6	0
10	17.chn	F07	751400	2081500	19.1	1.04	1.21	1.89	0.0671	0.119	0	0	8.88	0
10	19.chn	F08	751400	2081600	18.4	0.828	1.15	1.92	0.0685	0.11	0	0	8.29	0
10	5.chn	F09	751400	2081700	15.8	0.866	1.49	1.9	0.0814	0.215	0	0	8.69	0
10	32.chn	F11	751400	2081900	7.77	1.18	1.03	1.67	0.0475	0.378	0	0	6.76	0
10	68chn	F10	751400	2081800	9.66	0.849	1.29	2.1	0.0729	0.444	0	0	7.04	0
10	34.chn	F10	751400	2081800	9.58	0.892	1.28	2.07	0.0846	0.431	0.14	0	7.02	0
10	56.chn	G02	751300	2081000	8.22	0.784	0.948	1.7	0.0591	0.326	0	0	5.76	0
10	55.chn	G03	751300	2081100	10.3	0.583	0.767	1.35	0.0455	0.105	0	0	5.41	25
10	62.chn	G04	751300	2081200	12.4	0.861	0.928	1.35	0.0426	0.108	0	0	6.66	30
10	48.chn	G05	751300	2081300	12.1	0.683	0.921	1.79	0.0697	0.091	0	0	6.42	10
10	2.chn	G06	751300	2081400	17.4	0.977	1.12	1.98	0.0606	0.0761	0	0	8.29	0
10	3.chn	G07	751300	2081500	15.3	0.931	1.14	1.88	0.0819	0.118	0	0	7.83	0
10	4.chn	G08	751300	2081600	14.1	0.909	1.32	2.22	0.0824	0.334	0	0	8.07	0
10	36.chn	G09	751300	2081700	9.1	0.783	1.11	1.93	0.071	0.525	0	0	6.41	0
10	64.chn	H03	751200	2081100	14.7	0.65	1.07	1.71	0.0652	0.113	0	0	7.01	40
10	61.chn	H04	751200	2081200	13.4	0.78	0.897	1.72	0.0361	0.0307	0	0	6.88	50
10	49.chn	H05	751200	2081300	14.6	0.803	1.04	1.93	0.0805	0.0521	0	0	7.29	0
10	38.chn	H06	751200	2081400	15	0.694	1.14	1.79	0.0693	0.0926	0	0	7.42	0
10	37.chn	H07	751200	2081500	15.5	0.794	1.4	1.72	0.0718	0.204	0	0	8.23	0
10	52.chn	I03	751100	2081100	15.8	0.792	1.31	2.01	0.0812	0.153	0	0	8.01	0
10	51.chn	I04	751100	2081200	16.9	0.806	1.22	1.89	0.0762	0.0386	0	0	8.15	0

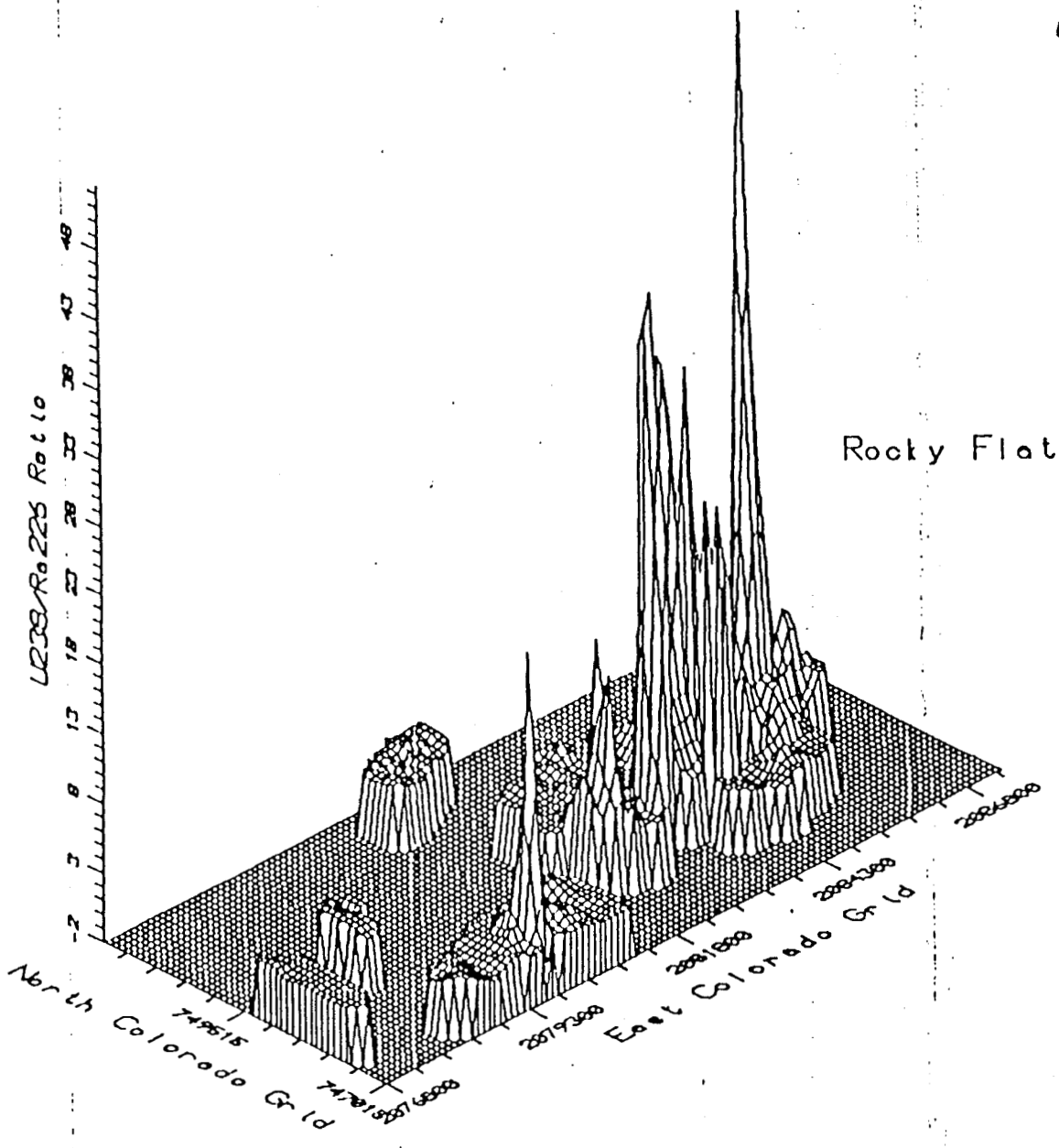
OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
10	50.chn	I05	751100	2081300	12.8	0.753	0.985	1.59	0.0632	0.071	0	0	6.73	30
10	32.chn	182	748770	2082200	21.4	1.05	1.37	17.4	0.214	0.0282	0	0	11.1	75
10	33.chn	207	748760	2082590	18.6	1.01	1.88	3.15	0.0782	0.0286	2.65	0	10.7	50
10	34.chn		748445	2082130	16.5	0.69	1.17	10.8	0.151	0	0.19	0	9.25	40
10	110.chn	3E	748100	2083980	21	0.914	1.36	2.08	0.0909	0.0306	0	0	9.67	20
10	111.chn	3F	748055	2083865	17.3	0.728	1.01	1.72	0.0591	0.0382	0	0	7.93	0
10	147.chn	3Z	748750	2085450	17.6	1.03	1.13	2.29	0.0674	0.0973	6.71	0	8.53	0
10	148.chn	4A	748940	2085450	16.5	0.928	1.05	4.08	0.142	0.101	31.2	0	8.44	0
10	149.chn	4B	749120	2085460	17.6	1.05	1.23	7.66	0.111	0.125	8.94	0	9.18	0
10	152.chn	4C	748760	2085265	18.1	0.939	1.27	5.61	0.165	0.0808	49.5	0	9.81	0
10	153.chn	4D	748760	2085070	17.2	1.05	1.42	2.81	0.0706	0.0831	1.48	0	8.98	0
10	154.chn	4E	749040	2085080	14.4	0.832	0.779	4.61	0.0929	0.095	3.46	0	6.7	0
10	155.chn	4F	749120	2085065	18.8	1.11	1.07	13	0.167	0.065	2.39	0	9.5	0
10	165.chn	4L	749765	2082500	18.6	1.08	1.92	2.12	0.0568	0	0	0	11.3	60
11	189.chn	I10	749200	2076900	7.76	0.772	1.14	1.72	0.0786	0.497	0	0	6.24	0
11	190.chn	K10	749000	2076900	7.6	0.812	1.15	2.05	0.0721	0.521	0	0	6.3	0
11	193.chn	M10	748800	2076900	7.92	0.942	1.14	1.7	0.0528	0.496	0	0	6.54	0
11	194.chn	O10	748600	2076900	7.83	1	1.22	1.98	0.0583	0.574	0	0	6.8	0
11	195.chn	W10	747800	2076900	6.01	0.831	0.944	1.59	0.0478	0.581	0.089	0	5.56	0
11	223.chn	W10	747800	2076900	6.51	0.789	1.03	1.65	0.0759	0.648	0	0	5.79	0
11	196.chn	U10	748000	2076900	7.04	0.957	1.14	1.91	0.0697	0.667	0	0	6.41	0
11	199.chn	F30	749500	2078900	7.12	0.959	1.11	1.87	0.063	0.521	0	0	6.42	0
11	200.chn	F27	749500	2078600	6.15	0.781	0.909	1.41	0.0503	0.445	0	0	5.41	0
11	201.chn	E24	749600	2078300	7.33	0.856	1.13	2.02	0.0827	0.514	0	0	6.16	0
11	202.chn	K24	749000	2078300	6.72	0.733	0.956	1.66	0.0614	0.494	0	0	5.54	0
11	205.chn	N24	748700	2078300	6.29	0.809	0.97	1.43	0.0567	0.565	0	0	5.91	0
11	206.chn	S10	748200	2076900	7.93	0.959	1.14	1.82	0.0518	0.628	0	0	7.43	0
11	207.chn	Q10	748400	2076900	5.97	0.659	0.906	1.47	0.0593	0.494	0	0	5.37	0
11	208.chn	Q12	748400	2077100	6.11	0.646	0.914	1.33	0.0559	0.522	0	0	5.48	0
11	212.chn	W12	747800	2077100	6.9	0.857	1.05	1.74	0.0685	0.613	0	0	6.08	0
11	213.chn	U12	748000	2077100	6.53	0.913	1.09	1.79	0.0617	0.67	0	0	6.15	0
11	214.chn	S12	748200	2077100	6.99	0.908	1.14	1.81	0.0702	0.697	0	0	6.44	0
11	217.chn	O12	748600	2077100	7.43	0.938	1.23	1.87	0.0642	0.591	0.075	0	6.71	0
11	224.chn	O12	748600	2077100	7.38	0.849	1.18	1.9	0.0744	0.585	0	0	6.32	0
11	225.chn	O12	748600	2077100	7.46	0.831	1.2	1.91	0.0765	0.594	0	0	6.36	0
11	218.chn	M12	748800	2077100	7.43	0.958	1.16	2	0.0719	0.561	0	0	6.63	0

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
11	219.chn	K12	749000	2077100	7.1	0.957	1.12	1.93	0.0709	0.533	0	0	6.43	0
11	220.chn	I12	749200	2077100	7.95	0.991	1.15	1.72	0.0601	0.501	0	0	6.64	0
11	227.chn	H24	749300	2078300	6.93	0.757	1.07	1.77	0.069	0.591	0	0	5.83	0
11	228.chn	J25	749100	2078400	7.15	0.777	1.14	1.73	0.0847	0.638	0	0	6.15	0
11	230.chn	M25	748800	2078400	6.32	0.768	1.01	1.55	0.06	0.645	0	0	5.77	0
11	233.chn	I14	749200	2077300	6.23	0.776	0.96	1.51	0.0604	0.401	0	0	5.5	0
12	71.chn	A	748940	2081980	19	0.849	1.48	2.52	0.0641	0.011	0	0	9.9	50
12	72.chn	A	748940	2081980	19.1	0.875	1.48	2.37	0.0802	0	0	0	9.49	30
12	73.chn	B	748940	2082180	18.8	0.99	1.23	2.5	0.0913	0.0545	0	0	9.3	30
12	74.chn	C	748940	2082380	23.4	1.15	1.98	3.25	0.0941	0.014	0	0	12.2	10
12	75.chn	D	748940	2082580	22.4	1.03	1.71	2.5	0.0902	0.0232	0.953	0	11.2	0
12	5.chn	D	748940	2082580	18.7	0.78	1.25	2.2	0.0714	0.0195	0.585	0	8.83	0
12	6.chn	F	748900	2082680	20.7	0.924	1.77	2.39	0.106	0.041	1.2	0	10.8	15
12	7.chn	H	748740	2082630	17.8	0.866	1.66	3.07	0.0915	0.038	4	1.19	9.83	40
12	8.chn	J	748640	2082530	21	1.08	2.17	3.45	0.0759	0	1.65	0	12	40
12	11.chn	L	748540	2082480	17.5	0.858	1.67	2.61	0.0852	0.0223	1	0	9.66	0
12	12.chn	M	748540	2082360	16.5	0.78	1.42	2.14	0.0492	0.0171	2.05	0	8.72	0
12	13.chn	R	748420	2082580	16	0.672	0.993	2.02	0.0613	0.0288	23.2	0	7.55	0
12	14.chn	Q	748420	2082380	14.4	0.67	1.02	2.64	0.0514	0	3.66	0	7.07	0
12	15.chn	R	748420	2082580	16.1	0.737	1.05	2.36	0.0803	0.0275	26.2	0	7.84	0
12	16.chn	S	748360	2082380	13.7	0.593	0.909	1.74	0.0381	0	2.65	0	6.57	50
12	17.chn	K	748530	2082310	19	0.985	1.96	3.54	0.0646	0	0.716	0	10.8	30
12	18.chn	P	748420	2082180	23	0.956	1.73	5.29	0.0747	0	0	0	11.2	25
12	19.chn	O	748420	2081980	23.4	1.05	1.95	4.27	0.112	0	0	0	12.1	15
12	20.chn	I	748620	2081980	24.1	1.18	2.26	8.27	0.148	0	0	0	13.4	30
12	23.chn	G	748740	2082110	23.1	1.22	2.35	10.4	0.0913	0	0	0	13.4	30
12	24.chn	E	748840	2082050	21.3	1.21	1.84	3.92	0.0982	0	0	0	11.9	50
12	25.chn	T	748700	2082690	17.4	0.862	0.978	2.27	0.0757	0.0361	9.64	0.933	7.94	10
12	26.chn	U	748400	2082680	22.2	1.21	2.06	3.03	0.0935	0.0186	44.5	1.34	12.6	40
12	27.chn	V	748580	2082700	13.6	0.883	1.02	3.6	0.133	0.0962	80.1	4.79	9.39	0
12	28.chn	N	748490	2082775	46.8	1.92	3.1	87.7	1.71	0.759	7990	403	142	50
12	31.chn	N	748490	2082775	42.1	1.76	2.85	84.4	1.56	0.61	6990	356	116	0
12	109.chn	3D	748740	2084140	11	0.661	1.03	19.3	0.172	0.0461	0	0	9.48	30
13	37.chn	D	750000	2082970	11.7	0.674	0.94	2.07	0.0693	0.0218	2.03	0	6.41	10
13	38.chn	C	750050	2082900	16.2	0.815	1.5	2.8	0.0936	0.025	0.546	0	8.53	25
13	39.chn	A	750100	2082970	16.3	0.808	1.39	2.2	0.0845	0.0199	1.15	0	8.39	25
13	42.chn	B	750100	2083070	13.6	0.908	1.08	2.01	0.12	0.0257	1.51	0	7.47	5

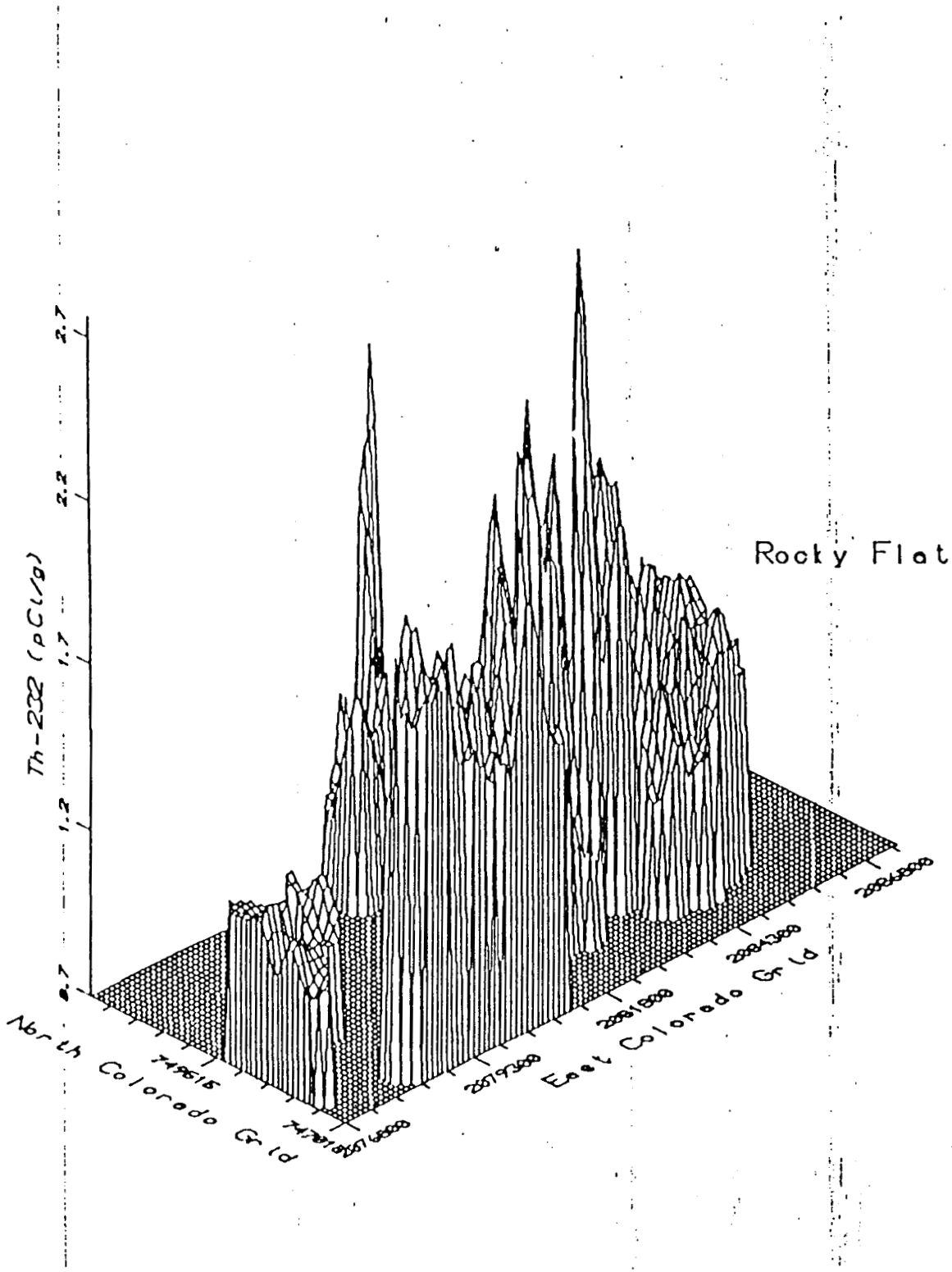
OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
13	43.chn	E	750000	2083070	13.5	0.936	1.05	2.14	0.0764	0.0185	3.91	0	7.4	25
13	44.chn	H	749940	2082970	17	1.04	1.6	2.54	0.0819	0.016	3.59	0	9.37	25
13	45.chn	F	749900	2083170	21.3	1.21	1.5	3.41	0.102	0.014	22.3	1.1	10.7	5
13	59.chn	F	749900	2083170	20.6	1.04	1.43	2.65	0.0799	0.0135	20.5	0.636	10.1	0
13	46.chn	G	749820	2083200	18.3	0.985	1.18	2.74	0.0842	0.0211	47.7	0	9.27	20
13	47.chn	I	750010	2082710	16.6	0.831	1.04	1.98	0.0909	0	0.15	0	7.65	70
13	48.chn	J	750000	2082530	19.1	0.945	1.05	2.19	0.0407	0	0	0	8.34	10
13	49.chn	K	749070	2082830	13.8	0.816	1.18	2.73	0.0872	0.0748	0.298	0	7.49	5
13	50.chn	L	749070	2082950	15.7	0.817	1.11	2.23	0.0802	0.0288	0.56	0	7.78	0
13	51.chn	N	749270	2082840	13.7	0.695	0.994	2.19	0.0444	0.0561	0.24	0	6.87	0
13	52.chn	M	749250	2083015	18.8	0.739	1.12	2.43	0.0555	0.0385	0.755	0	8.31	0
13	55.chn	O	749420	2083030	21.8	0.933	1.44	2.84	0.0561	0.0226	1.67	0	10	0
13	56.chn	P	749570	2083030	19.8	0.884	1.4	2.43	0.056	0.015	3.64	0	9.4	0
13	57.chn	Q	749720	2083030	18.5	0.995	1.74	2.44	0.0972	0.024	6.28	0	9.97	0
13	58.chn	R	749420	2082860	21.7	0.909	1.27	1.91	0.047	0.0204	0.849	0	9.46	0
13	62.chn	S	749570	2082850	20.9	0.988	1.23	1.89	0.0726	0	0.325	0	9.55	0
13	63.chn	T	749720	2082850	20.1	1.12	1.31	2.33	0.0349	0	0.511	0	9.57	0
13	64.chn	U	749800	2082780	15.4	1.02	1.11	1.97	0.0407	0.0298	0	0	7.92	30
13	65.chn	W	749850	2082950	20.6	1.1	1.51	2.34	0.0841	0.012	0.911	0	10.2	20
13	66.chn	X	749520	2082020	20.2	1.16	1.23	2.25	0.0877	0.0302	0	0	9.5	10
13	67.chn	Y	749720	2082020	20.4	1	0.97	2.08	0.053	0.012	0	0	8.45	10
13	68.chn	Z	749840	2082060	21.8	1.02	1.36	2.63	0.0803	0	0	0	9.79	5
13	69.chn	AA	749780	2081900	17.2	0.853	0.948	1.76	0.0788	0.0199	0	0	7.61	40
13	70.chn	BB	749850	2081840	19.5	0.923	1.2	1.76	0.0825	0.011	0	0	8.79	15
13	71.chn	V	749720	2082640	16.2	0.705	1.01	1.82	0.0703	0.0384	0	0	7.49	50
13	74.chn	CC	749130	2082250	20.1	0.915	1.46	2.31	0.0727	0.013	0	0	9.64	50
13	75.chn	DD	749150	2082400	17.7	0.752	1.23	2.69	0.0666	0.015	0	0	8.24	40
13	76.chn	EE	749050	2082320	16.7	0.741	1.39	2.51	0.0775	0.013	0	0	8.33	40
13	77.chn	FF	749250	2082230	22.2	0.978	1.47	2.1	0.0983	0.0187	0	0	10.4	50
13	78.chn	GG	749300	2082430	22.2	0.858	1.54	2.47	0.1	0	0	0	10.3	0
13	79.chn	HH	749260	2082630	20.2	0.83	1.22	1.95	0.0907	0.0237	0	0	9.13	15
13	82.chn	II	749260	2083060	18.8	0.904	1.15	2.1	0.0621	0.0193	0.52	0	8.66	15
13	83.chn	JJ	749250	2083300	18.4	1.01	1.23	2.47	0.0797	0.0409	1.94	0	8.79	20
13	84.chn	KK	749270	2083460	20.6	1	1.08	3.79	0.0909	0	1.56	0	9.01	30
13	85.chn	LL	749270	2083630	19	1.09	1.11	6.52	0.0889	0.015	0	0	9.4	25
13	86.chn	MM	749360	2083860	20.7	1.21	1.67	13.1	0.117	0	0	0	12.2	30
13	87.chn	NN	749300	2084060	21.6	1.09	1.31	5.39	0.0583	0.012	0	0	10.2	0

OU	File Name	Station	North	East	K-40	Ra-226	Th-232	U-238	U-235	Cs-137	Am-241	Pu-239	Exposure	% FOV
			feet	feet	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	nCi/g	uR/h	Blocked
13	88.chn	OO	749270	2084360	20.4	1.26	1.49	2.47	0.0652	0	0	0	10.8	0
13	89.chn	PP	749260	2084540	16.7	1.02	1.15	1.97	0.0857	0	0	0	8.82	15
13	92.chn	QQ	749260	2084710	19.8	1.01	1.42	2.74	0.0585	0	0	0	9.89	40
13	93.chn	RR	749260	2084900	20.7	1	1.4	3.66	0.0741	0	0	0	9.66	60
13	94.chn	SS	749260	2085060	19	1.1	1.14	8.76	0.102	0.0537	0.271	0	9.28	10
13	96.chn	TT	749260	2085280	15	0.849	1.09	49.9	0.601	0.103	1.84	0	23	40
13	97.chn	UU	749300	2085510	22	0.956	1.22	4.35	0.074	0.0275	0.316	0	9.76	0
13	98.chn	VV	749280	2085700	17.8	0.927	1.26	1.78	0.0572	0.0623	1.35	0	8.91	0
13	99.chn	WW	749280	2085900	15.4	0.837	1.08	2.01	0.057	0.0426	1.42	0	7.76	0
13	100.chn	WW	749280	2085900	15.9	0.807	1.09	2.17	0.0514	0.0506	1.39	0	7.83	0
13	101.chn	XX	749290	2086070	16.9	0.803	1.27	0	0.0882	0.0599	3.4	0	8.62	0
13	102.chn	YY	749500	2082620	23.4	0.97	1.63	2.41	0.0729	0	0	0	10.9	50
13	103.chn	ZZ	749260	2081710	18.8	0.936	1.52	2.24	0.0884	0.0445	0	0	9.61	50
13	104.chn	3A	749180	2081800	17.6	1.03	1.11	1.94	0.0786	0.0252	0	0	8.65	50
13	105.chn	3B	749000	2081750	17.5	0.813	1.01	1.67	0.0796	0.013	0	0	7.89	40
13	106.chn	3C	749110	2081680	17.6	0.946	1.1	1.93	0.0895	0.0261	0	0	8.24	0
14	112.chn	3G	749190	2083715	18.9	0.76	1.22	21.9	0.336	0.039	0.276	0	13	0
14	113.chn	3H	749160	2083840	18.4	0.921	1.2	29.3	0.439	0.0162	0	0	15.5	0
14	127.chn	3L	749285	2083830	16.3	0.812	1.09	26	0.31	0.0484	0	0	12.7	0
14	133.chn	3P	749185	2084530	10.8	0.956	0.931	1.86	0.0444	0.0663	0	0	6.64	75
14	134.chn	3Q	749100	2084480	15.2	1.15	1.26	2.16	0.0661	0.052	0.14	0	8.49	50
14	135.chn	3R	748995	2084450	18.5	1.16	1.68	3.68	0.0536	0.0268	0	0	10.4	60
14	136.chn	3S	749005	2084370	20.9	1.14	1.39	4.77	0.0602	0.0157	0	0	10.1	50
14	137.chn	3T	749075	2084340	19.3	1.05	1.35	4.54	1.74	0.0206	0	0	9.8	0
14	140.chn	3U	748530	2083555	20.1	1.14	1.86	3.09	0.0827	0.008	0	0	11	50
14	141.chn	3V	749430	2083570	16.3	1.09	0.923	4.93	0.046	0	1.25	0	8.25	60
14	142.chn	3W	748710	2083585	19.6	1.01	0.966	5.56	0.0558	0.0057	0	0	8.81	60
14	143.chn	3X	748875	2083575	18.3	0.882	0.945	6.74	0.0974	0	0	0	8.31	60
14	144.chn	3Y	749060	2083640	18	0.873	1.03	8.25	0.0988	0.0173	0	0	8.8	50
14	158.chn	4G	748290	2082490	16.2	0.742	1.04	1.71	0.0648	0.0463	7.12	0	7.66	15
14	159.chn	4H	748340	2082600	16.5	0.639	1.11	1.74	0.053	0.0224	11.8	1.25	7.86	0
14	162.chn	4I	748800	2082990	20.1	1.01	1.17	2.06	0.0512	0.0279	12.4	0.5	9.06	25
14	163.chn	4J	748955	2082980	20.2	1.09	1.25	1.99	0.049	0.0213	1.47	0	9.39	0
14	164.chn	4K	748275	2082675	14.6	0.776	0.862	2.32	0.0642	0.0289	8.52	1.84	7.2	50

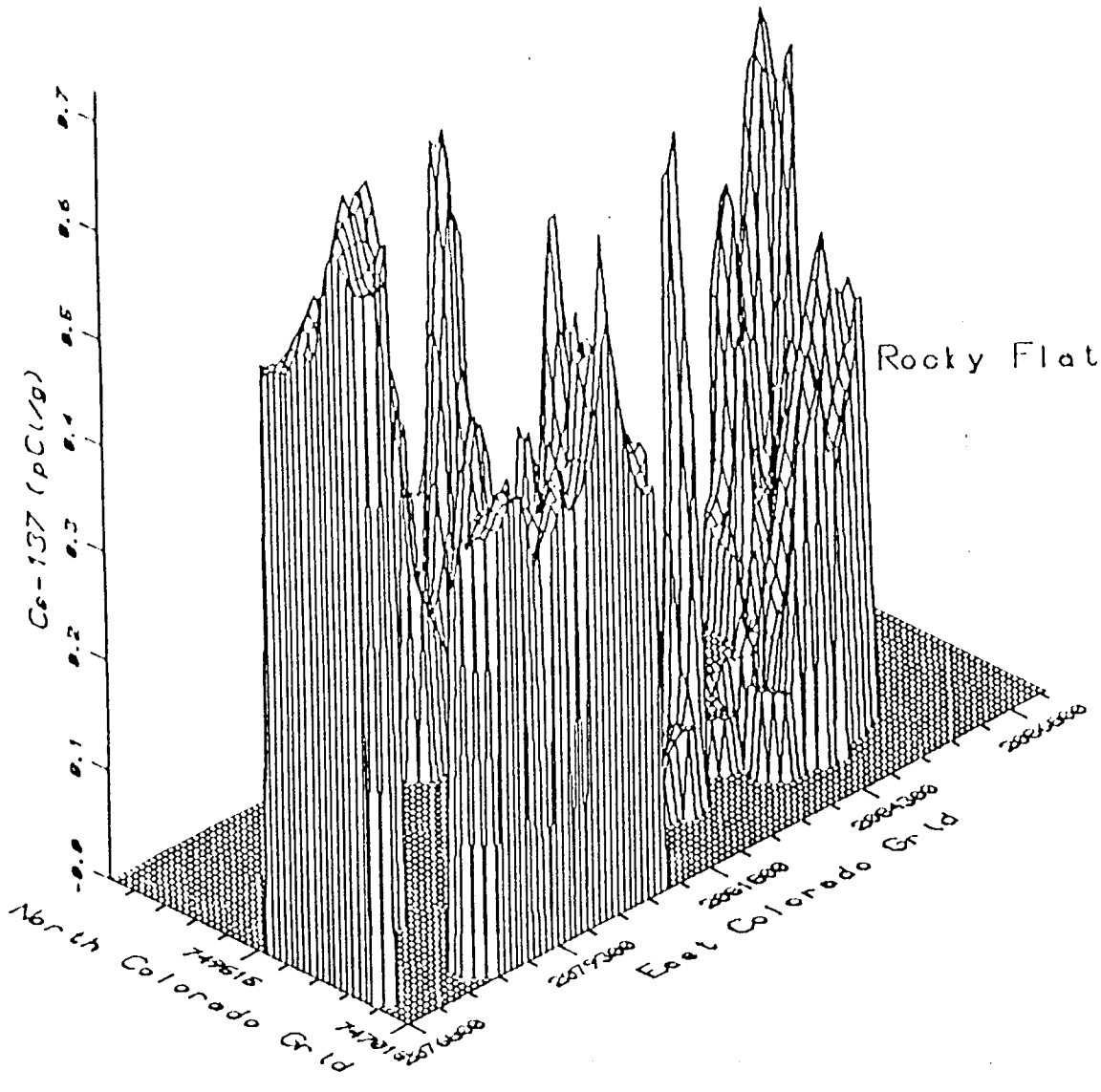

Rocky Flats K-40 (pCi/g)
K-40 (pCi/g)
North Colorado Grid
East Colorado Grid



Rocky Flats U238/Ra226 Ratio



Rocky Flats Th-232 (pCi/g)


Rocky Flats Cs-137 (pCi/g)
Cs-137 (pCi/g)
North Colorado Grid
East Colorado Grid

Am-241 (pCi/g)
-233 267 767 1267 1767 2267 2767 3267 3767 4267 4767 5267 5767
Rocky Flats Am-241 (pCi/g)