

DATE 21 JUN 78  
BOMB 8031  
IDECK 13

\$ = INCOMPLETE SPECTRUM  
+ = PILL NR DID NOT MATCH  
X = B-TAGWORD DID NOT MATCH  
S = PEAK SHIFT GREATER THAN 5 CH  
H = HALFWIDTH GREATER THAN 3.00  
C = 1 MIN CH DIFF GE 3  
C = 10 MIN STD - (NA-MN)/NA FLUX .LE. 0. OR .GT. .08  
C = 20 MIN STD - SM FLUX DIFF BETWEEN STDS .GT. 5.0  
C = LONG STD - SC FLUX DIFF BETWEEN STDS .GT. 5.0  
C = 80 MIN STD - TA FLUX DIFF BETWEEN STDS .GT. 5.0

TAGWORD PILL ERROR PPM BARIUM

573164	B	H	*613.50
573163	A	H	713.00
573113	A	H	713.00
573165	C	H	3.13
573166	D	H	182.29
573167	E	H	192.76
573168	F	H	195.46
573169	G	H	758.59
573170	H	H	192.50
573171	I	H	123.37
573172	J	H	134.02
573173	K	H	140.32
573175	M	H	121.12
573176	N	H	129.93
573177	O	H	127.19
573178	P	H	142.63
573179	Q	H	133.91
573180	R	H	137.81
573181	S	H	118.74
573182	T	H	129.14
573183	U	H	130.87
573184	V	H	126.79
573185	W	H	113.47
573186	X	H	1082.77
573187	Y	H	1117.08
573188	Z	H	111.61
573189	1	H	135.99
573190	2	H	137.74
573191	3	H	134.06
573192	4	H	136.60
573193	5	H	127.75
573194	6	H	129.53
573195	7	H	762.14
573197	8	H	844.21
573198	9	H	744.52
573100	+	H	131.88
573101	-	H	134.33
573102	*	H	739.09
573103	/	H	735.72

573104	>	H	+	702.23
573105	\$	H		724.47
573106	.	H		781.88
573107	J	H		752.69
573108	#	H	+	809.13
573109	>	H		725.78
573110	^	H	+	739.74
573111	↑	H		739.52
573112	:	H		731.33
573115	C	H		2.74
573116	D	H		197.67
573117	E	H		188.35
573118	F	H		185.54
573119	G	H		738.66
573120	H	H		198.00
573121	I	H		125.75
573122	J	H		149.70
573123	K	H		134.90
573124	L	H		135.95
573126	N	H		130.69

8031 B BACK BACKGROUND  
GAMMA SPECTRUM-B 573164

WEIGHT OF STD = 100.00000 MG EOB = 0. MJD IRRADIATION TIME = 0. MIN DECAY TIME = \*328.85577 DAYS  
COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0 START TIME = 43328.85577 MJD

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76CHANNELS

STANDARD	HALF LIFE	GAMMA ENERGY	ELEMENT FRACTION	GROSS COUNTS	BKGD COUNTS	BKGD OPT.	APPR MULT.	REAL PEAK CH	N CHAN	I CHAN	APPROX CPM	ISOTOPE ABUND.	CALCULATED FLUX	
	DAYS	KEV	OF STANDARD					CHAN	CHAN	CHAN		O/O		
1 BKSCAT	-0.	*0060	1.000 +/-0.	E -1	6895	0 -41	.000	489	486	27	2	13	6895.0 -0.	6.895 +/- .083E 4
1 SN	-0.	*0025	1.000 +/-0.	E -1	17843	264	-16-0.	*0233	234	7	0	7	25495.3 -0.	2.550 +/- .020E 5
1 BA	-0.	*0032	7.130 +/-0.	E -4	100	82	-7-0.	*0630	304	14	1	8	26.1 -0.	3.661 +/- 3.494E 4
SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF 4.76. BA PEAK IS INTEGRATED BEGINNING EXACTLY 63.00 CHANNELS HIGHER.														
1 LA	-0.	*0033	4.490 +/-0.	E -5	69	66	-6-0.	*0780	317	11	0	6	4.4 -0.	9.690 +/- 67.137E 4
SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF 4.76. LA PEAK IS INTEGRATED BEGINNING EXACTLY 78.00 CHANNELS HIGHER.														
1 CE	-0.	*0035	8.030 +/-0.	E -5	125	131	-8-0.	*0900	331	14	0	9	-8.7 -0.	-1.084 +/- 5.798E 5
SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF 4.76. CE PEAK IS INTEGRATED BEGINNING EXACTLY 90.00 CHANNELS HIGHER.														

8031 B BACK BACKGROUND  
GAMMA SPECTRUM-B 5731-4

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76CHANNELS  
 STD NUMBER 1 -573164 B SAMPLE WEIGHT = 100.00000 MG DEAD TIME = .05 O/O EOB = 0. MJD  
 IRRADIATION TIME = .0 MIN DECAY TIME = \*328.85577 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43328.85577 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 A STD POT STANDARD POTTERY  
GAMMA SPECTRUM-B 573163

WEIGHT OF STD = 100.00000 MG EOB = 0. MJD IRRADIATION TIME = 0. MIN DECAY TIME = \*328.82771 DAYS  
COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0 START TIME = 43328.82771 MJD

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS

STANDARD HALF GAMMA LIFE ENERGY	ELEMENT FRACTION	GROSS COUNTS	BKGD COUNTS	BKGD OPT.	APPR MULT.	REAL PEAK CH	N CHAN	I CHAN	APPROX CPM	ISOTOPE ABUND.	CALCULATED FLUX
DAYS	KEV	OF STANDARD				CHAN	CHAN	CHAN		O/O	
1 BKSCAT-0.	*0060 1.000 +/-0.	E -1	85138	0 -41	.000 489	490 27	2 13	78243.0	-0.	7.824 +/- .029E 5	
1 SN -0.	*0025 1.000 +/-0.	E -1	21324	820 -16-0.	*0233 234	7 0	7	2620.6	-0.	2.621 +/- .020E 4	
1 BA -0.	*0032 7.130 +/-0.	E -4	5573	771 -7-0.	*0630 303	14 1	8	613.7	-0.	8.608 +/- .154E 5	
SN PEAK IS AT CHANNEL 233.96 WITH HALFWIDTH OF 4.87. BA PEAK IS INTEGRATED BEGINNING EXACTLY 63.00 CHANNELS HIGHER.											
1 LA -0.	*0033 4.490 +/-0.	E -5	654	424 -6-0.	*0780 317	11 0	6	29.4	-0.	6.547 +/- 1.555E 5	
SN PEAK IS AT CHANNEL 233.96 WITH HALFWIDTH OF 4.87. LA PEAK IS INTEGRATED BEGINNING EXACTLY 78.00 CHANNELS HIGHER.											
1 CE -0.	*0035 8.030 +/-0.	E -5	1052	436 -8-0.	*0900 330	14 0	9	78.7	-0.	9.804 +/- 1.016E 5	
CE PEAK IS INTEGRATED BEGINNING EXACTLY 90.00 CHANNELS HIGHER.											

8031 A STD POT STANDARD POTTER  
GAMMA SPECTRUM-B 573163

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82 CHANNELS

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.6 CHANNELS  
STD NUMBER 1 -573163 A SAMPLE WEIGHT = 100.00000 MG DEAD TIME = .31 O/O EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*328.82771 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.82771 MJD PILL THICKNESS = -. MILS SPECTRUM BEGAN 7/ 4/1977 PST

NUCLIDE	HALF LIFE	GAMMA ENERGY	GAMMA INTENS.	COUNTS	CROSS SECTION	GROSS COUNTS	BKGD COUNTS	APPR PEAK CHAN	REAL PEAK CHAN	FLUX(IN/MIN-CM2)	CPM DECAY	MULT	ELEMENT	ELEMENT ABUNDANCE	
BKSCAT	-0.	*0060	-0.	-0.	-0.	85138	0	489	490	7.824 +/- .029E 5	78243.0	1.00000	.100	+/- 3.729E 0	
SN	-0.	*0025	-0.	-0.	-0.	21324	820*	0233	234	2.621 +/- .020E 4	2620.6	1.00000	10.000	+/- .107E -2 SN	
BA	-0.	*0032	-0.	-0.	-0.	5573	771*	0630	303	8.608 +/- .154E 5	613.7	1.00000	7.130	+/- .181E -4 BA	
LA	SN PEAK IS AT CHANNEL 233.96 WITH HALFWIDTH OF				4.87.	BA PEAK IS SUMMED STARTING	63.00 CHANNELS HIGHER.								
CE	-0.	*0033	-0.	-0.	-0.	654	424*	0780	317	6.547 +/- 1.555E 5	29.4	1.00000	4.490	+/- 1.508E -5 LA	
	SN PEAK IS AT CHANNEL 233.96 WITH HALFWIDTH OF				4.87.	LA PEAK IS SUMMED STARTING	78.00 CHANNELS HIGHER.								
	SN PEAK IS AT CHANNEL 233.96 WITH HALFWIDTH OF				4.87.	CE PEAK IS SUMMED STARTING	90.00 CHANNELS HIGHER.								
	COUNT RATE CORRECTION FOR LAST ELEMENT = I														

8031 A STD POT STANDARD POTTERY  
GAMMA SPECTRUM-B 573113

WEIGHT OF STD = 100.00000 MG EOB = 0. MJD IRRADIATION TIME = 0. MIN DECAY TIME = \*330.17542 DAYS  
COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0 START TIME = 43330.17542 MJD

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS

STANDARD HALF GAMMA LIFE ENERGY DAYS KEV	ELEMENT FRACTION OF STANDARD	GROSS COUNTS	BKGD COUNTS	BKGD OPT.	APPR MULT.	REAL PEAK CH	N I APPROX CPM	CALCULATED FLUX
						CHAN	CHAN	ISOTOPE ABUND. O/O
2 EKSCAT-0.	*0060 1.000 +/-0.	E -1	84721	0 -41	.000 489	489 27 2 13	77826.0 -0.	7.783 +/- .029E 5
2 SN -0.	*0025 1.000 +/-0.	E -1	21065	930 -16-0.	*0233 234	7 0 7 2587.2 -0.	2.587 +/- .020E 4	
2 BA -0.	*0032 7.130 +/-0.	E -4	5510	858 -7-0.	*0630 303	14 1 8 597.7 -0.	8.384 +/- .156E 5	
SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF 4.85.	BA PEAK IS INTEGRATED BEGINNING EXACTLY						63.00 CHANNELS HIGHER.	
2 LA -0.	*0033 4.490 +/-0.	E -5	755	467 -6-0.	*0780 316	11 0 6 37.0 -0.	8.242 +/- 1.650E 5	
SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF 4.85.	LA PEAK IS INTEGRATED BEGINNING EXACTLY						78.00 CHANNELS HIGHER.	
2 CE -0.	*0035 8.030 +/-0.	E -5	1086	711 -8-0.	*0900 330	14 0 9 48.2 -0.	6.001 +/- 1.245E 5	
SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF 4.85.	CE PEAK IS INTEGRATED BEGINNING EXACTLY						90.00 CHANNELS HIGHER.	

8031 A STD POT STANDARD POTTERY  
GAMMA SPECTRUM-B 573113

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS

STD NUMBER 2 -573113 A SAMPLE WEIGHT = 100.00000 MG DEAD TIME = .30 0/0 EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*330.17542 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.17542 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	HALF LIFE	GAMMA ENERGY	GAMMA INTENS.	COUNTS	CROSS SECTION	GROSS COUNTS	BKGD APPR	REAL PEAK	FLUX(N/MIN-CM2)	CPM	MULT	ELEMENT		
												DECAY CORR.	ABUNDANCE	ELEMENT
BKSCAT	-0.	*0060	-0.	-0.	-0.	84721	0	489	489	7.783 +/- .029E 5	77826.0	1.00000	.100	+/- 3.740E 0
SN	-0.	*0025	-0.	-0.	-0.	21065	930*0233	234	2.587 +/- .020E 4	2587.2	1.00000	10.000	+/- .109E -2	SN
BA	-0.	*0032	-0.	-0.	-0.	5510	858*0630	303	8.384 +/- .156E 5	597.7	1.00000	7.130	+/- .188E -4	BA
LA	SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF				4.85.	BA PEAK IS SUMMED STARTING	63.00 CHANNELS HIGHER.							
LA	-0.	*0033	-0.	-0.	-0.	755	467*0780	316	8.242 +/- 1.650E 5	37.0	1.00000	4.490	+/- 1.272E -5	LA
CE	SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF				4.85.	LA PEAK IS SUMMED STARTING	78.00 CHANNELS HIGHER.							
CE	-0.	*0035	-0.	-0.	-0.	1086	711*0900	330	6.001 +/- 1.245E 5	48.2	1.00000	8.030	+/- 2.356E -5	CE
SN PEAK IS AT CHANNEL 233.46 WITH HALFWIDTH OF				4.85. CE PEAK IS SUMMED STARTING				90.00 CHANNELS HIGHER.						
COUNT RATE CORRECTION FOR LAST ELEMENT = I														

8031 C PLAST THICK PLASTIC  
GAMMA SPECTRUM-B 573115

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.68CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*330.23134 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.23134 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 C PLAST THICK PLASTIC  
GAMMA SPECTRUM-B 573165

THE IN {23.11KEV} PEAK HAS A HALFWIDTH OF 4.92CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*328.88770 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.88770 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 C BUR-156 CSI CHUPAS, AYACUCHO, FORMATIVE, CRUZATT EXCAVATIONS  
GAMMA SPECTRUM-B 573116

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.67CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
 IRRADIATION TIME = .0. MIN DECAY TIME = \*330.25932 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.25932 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK					GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM2)		CPM EOB	ELEMENT	ELEMENT ABUNDANCE
	COUNTS	EL	MULT	COUNTS	EL						MULT				
BKSCAT						80599	0	489	489	7.803 +/- .021E 5	73704.0	.094	+/- 3.638E 0		
SN						19838	830*0233	234		2.604 +/- .014E 4	2579.0	9.904	+/- .095E -2	SN	
BA						1711	473*0630	303		8.497 +/- .110E 5	168.0	1.977	+/- .089E -4	BA	
LA	SN PEAK IS AT CHANNEL 233.53 WITH HALFWIDTH OF	4.71.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.												
CE	SN PEAK IS AT CHANNEL 233.53 WITH HALFWIDTH OF	4.71.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.												
CE	SN PEAK IS AT CHANNEL 233.53 WITH HALFWIDTH OF	4.71.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.												
COUNT RATE CORRECTION FOR LAST ELEMENT = I															

8031 D BUR-156 CSI CHUPAS, AYACUCHO, FORMATIVE, CRUZATT EXCAVATIONS  
GAMMA SPECTRUM-B 573166

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.74CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 0/0 EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*328.91168 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.91168 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK				GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM <sup>2</sup> )	CPM EOB	ELEMENT	ELEMENT ABUNDANCE
	COUNTS	EL	MULT	COUNTS									
BKSCAT				79458	0	489	489		7.803 +/- .021E 5	72563.0	.093 +/- 3.612E 0		
SN				19878	816*0233	234			2.604 +/- .014E 4	2627.0	.101 +/- .001E -0	SN	
BA				1687	563*0630	304			8.497 +/- .110E 5	154.9	1.823 +/- .092E -4	BA	
LA	SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF	4.75.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.										
CE	SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF	4.75.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.										
CE	SN PEAK IS AT CHANNEL 234.02 WITH HALFWIDTH OF	4.75.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.										
	COUNT RATE CORRECTION FOR LAST ELEMENT =	I											

Aya

8031 E BUR-157 CS2 CHUPAS, AYACUCHO, FORMATIVE  
GAMMA SPECTRUM-B 573117

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.75CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .32 O/O EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*330.28731 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.28731 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK				GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM <sup>2</sup> )	CPM	ELEMENT	ELEMENT
	COUNTS	EL	MULT	COUNTS									
BKSCAT						91248	0	489	488	7.803 +/- .021E 5	84353.0	.108 +/- 3.871E 0	ABUNDANCE
SN						20547	992*0233	234	2.604 +/- .014E 4	2318.2	8.902 +/- .085E -2	SN	
BA						1935	585*0630	303	8.497 +/- .110E 5	160.0	1.883 +/- .084E -4	BA	
LA	SN PEAK IS AT CHANNEL 233.62 WITH HALFWIDTH OF 4.81.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.				512	418*0780	317	7.344 +/- 1.132E 5	11.1	1.517 +/- .887E -5	LA	
CE	SN PEAK IS AT CHANNEL 233.62 WITH HALFWIDTH OF 4.81.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.				831	571*0900	330	8.284 +/- .787E 5	30.8	3.721 +/- 1.054E -5	CE	
	SN PEAK IS AT CHANNEL 233.62 WITH HALFWIDTH OF 4.81.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.											
	COUNT RATE CORRECTION FOR LAST ELEMENT = I												

Pya

8031 E BUR-157 CS2 CHUPAS, AYACUCHO, FORMATIVE  
GAMMA SPECTRUM-B 573167

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.75CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .31 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*328.93967 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.93967 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 F BUR-158 CS3 CHUPAS, AYACUCHO, FORMATIVE  
GAMMA SPECTRUM-B 573118

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76 CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .25 O/O EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*330.31530 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.31530 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK				GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM <sup>2</sup> )	CPM	ELEMENT	ELEMENT
	COUNTS	EL	MULT	COUNTS									
BKSCAT					75335	0	489	488	7.803 +/- .021E 5	68440.0	.088 +/- 3.517E 0		
SN					19537	816*0233	234		2.604 +/- .014E 4	2735.4	.105 +/- .001E -0	SN	
BA					1621	542*0630	303		8.497 +/- .110E 5	157.7	1.855 +/- .096E -4	BA	
LA	SN PEAK IS AT CHANNEL 233.58 WITH HALFWIDTH OF 4.80.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.			403	319*0780	317		7.344 +/- 1.132E 5	12.3	1.671 +/- .959E -5	LA	
CE	SN PEAK IS AT CHANNEL 233.58 WITH HALFWIDTH OF 4.80.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.			678	464*0900	330		8.284 +/- .787E 5	31.3	3.775 +/- 1.160E -5	CE	
	SN PEAK IS AT CHANNEL 233.58 WITH HALFWIDTH OF 4.80.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.											
	COUNT RATE CORRECTION FOR LAST ELEMENT = I												

Aya

8031 F EUR-158 CS3 CHUPAS, AYACUCHO, FORMATIV  
GAMMA SPECTRUM-B 573168

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.77CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*328.96766 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.96766 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 G BUR-159 CS4 CHUPAS, AYACUCHO, FORMATIVE  
GAMMA SPECTRUM-B 573119

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.68CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 0/0 EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*330.34729 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.34729 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK				GROSS	BKGD	APPR	REAL	I	FLUX(N/MIN-CM <sup>2</sup> )	CPM	ELEMENT	ELEMENT	
	COUNTS	EL	MULT	COUNTS	EL	MULT	COUNTS	PEAK	PEAK	X	EOB	ABUNDANCE		
BKSCAT					72775	0	489	490	7.803	+/- .021E 5	65880.0	.084	+/- 3.457E 0	
SN					20242	775*0233	234		2.604	+/- .014E 4	2954.9	.113	+/- .001E -0	SN
BA					4837	702*0630	303		8.497	+/- .110E 5	627.7	7.387	+/- .173E -4	BA
LA	SN PEAK IS AT CHANNEL	233.56	WITH HALFWIDTH OF	4.73.	BA PEAK IS SUMMED STARTING	63.00	CHANNELS HIGHER.							
CE	SN PEAK IS AT CHANNEL	233.56	WITH HALFWIDTH OF	4.73.	LA PEAK IS SUMMED STARTING	78.00	CHANNELS HIGHER.							
	SN PEAK IS AT CHANNEL	233.56	WITH HALFWIDTH OF	4.73.	CE PEAK IS SUMMED STARTING	90.00	CHANNELS HIGHER.							
	COUNT RATE CORRECTION FOR LAST ELEMENT = I													

SN PEAK IS AT CHANNEL 233.56 WITH HALFWIDTH OF 4.73. BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.  
LA SN PEAK IS AT CHANNEL 233.56 WITH HALFWIDTH OF 4.73. LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.  
CE SN PEAK IS AT CHANNEL 233.56 WITH HALFWIDTH OF 4.73. CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.

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8031 G BUR-159 CS4 CHUPAS, AYACUCHO, FORMATIV  
GAMMA SPECTRUM-B 57315 9

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.80 CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 0/0 EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*328.99565 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43328.99565 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 H BUR-160 CS5 CHUPAS, AYACUCHO, EIP  
GAMMA SPECTRUM-B 573120

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.75 CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .23 0/0 EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*330.37127 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.37127 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK				GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM <sup>2</sup> )	CPM	ELEMENT	ELEMENT	
	COUNTS	EL	MULT	COUNTS										EL
BKSCAT						65084	0	489	489	7.803 +/- .021E	5	58189.0	.075 +/- 3.269E	0
SN						19873	639*0233	234	2.604 +/- .014E	4	3305.4	.127 +/- .001E	-0	SN
BA						1419	440*0630	303	8.497 +/- .110E	5	168.2	1.980 +/- .103E	-4	BA
LA	SN PEAK IS AT CHANNEL	233.75 WITH HALFWIDTH OF	4.80.	BA PEAK IS SUMMED STARTING	63.00 CHANNELS HIGHER.									
						421	324*0780	317	7.344 +/- 1.132E	5	16.7	2.270 +/- 1.153E	-5	LA
CE	SN PEAK IS AT CHANNEL	233.75 WITH HALFWIDTH OF	4.80.	LA PEAK IS SUMMED STARTING	78.00 CHANNELS HIGHER.									
						591	432*0900	330	8.284 +/- .787E	5	27.3	3.298 +/- 1.284E	-5	CE
	SN PEAK IS AT CHANNEL	233.75 WITH HALFWIDTH OF	4.80.	CE PEAK IS SUMMED STARTING	90.00 CHANNELS HIGHER.									
	COUNT RATE CORRECTION FOR LAST ELEMENT =	I												

Ay

8031 H BUR-160 CS5 CHUPAS, AYACUCHO, EIP  
GAMMA SPECTRUM-B 573170

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .24 O/O EOB = 0. MJD  
 IRRADIATION TIME = .0. MIN DECAY TIME = \*329.02763 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.02763 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 I BUR-161 CPI CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573121

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.67CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .25 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*330.39924 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.39924 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

8031 I BUR-161 CPI CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573171

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.85CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
 IRRADIATION TIME = . MIN DECAY TIME = \*329.05161 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.05161 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 J BUR-162 CP2 CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573122

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.71CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*330.42722 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.42722 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

8031 J BUR-162 CP2 CERRO PUCARA, PUNO, SURFAC  
GAMMA SPECTRUM-B 573172

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.84CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.07959 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.07959 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 K EUR-163 CP<sub>3</sub> CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573123

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.68CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
IRRADIATION TIME = J. MIN DECAY TIME = \*330.45521 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.45521 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

8031 K BUR-163 CP3 CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573173

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.88CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.10757 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.10757 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 L BUR-164 CP4 CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573124

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.84CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*330.48720 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.48720 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

8031 M BUR-165 CP5 CERRO PUCARA, PUNO, SURFACE  
GAMMA SPECTRUM-B 573175

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.78CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
IRRADIATION TIME = J. MIN DECAY TIME = \*329.16755 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.16755 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 N BUR-166 JC1 JACHALACA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573126

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.92CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*330.53917 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.53917 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 6/1977 PST

8031 N BUR-166 JC1 JACHALACA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573176

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.75CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .25 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.19154 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.19154 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 O BUR-167 JC2 JACHALACA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573177

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.71CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .30 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.21952 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.21952 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 P BUR-168 JC3 JACHALACA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573178

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
 IRRADIATION TIME = . MIN DECAY TIME = \*329.24751 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.24751 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 Q BUR-169 JC4 JACHALACA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573179

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.83CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
 IRRADIATION TIME = .0. MIN DECAY TIME = \*329.27551 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.27551 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 R BUR-170 JC5 JACHAL ACA, AREQUIPA, SURFAC  
GAMMA SPECTRUM-B 573180

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.66CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
 IRRADIATION TIME = . MIN DECAY TIME = \*329.30750 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.30750 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 S BUR-171 QKL QUELKATA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573181

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .31 O/O EOB = 0. MJD  
 IRRADIATION TIME = J. MIN DECAY TIME = \*329.33149 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.33149 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 4/1977 PST

8031 1 EUR-172 QK2 QUELKATA, AREQUIPA, SURFAC  
GAMMA SPECTRUM-B 573182

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.70 CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.35948 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.35948 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 U BUR-173 QK3 QUELKATA, AREQUIPA, SURFAC  
GAMMA SPECTRUM-B 573183

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.72CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
 IRRADIATION TIME = J. MIN DECAY TIME = \*329.38746 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.38746 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK						GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM2)	CPM	ELEMENT	ELEMENT
	COUNTS	EL	MULT	COUNTS	EL	MULT									
BKSCAT				75417	0	489	490					7.803 +/- .021E 5	68522.0	.088	+/- 3.519E 0
SN				20829	869*0233	234		2.604 +/- .014E 4		2912.9	.112	+/- .001E -0			
BA				1167	405*0630	303		8.497 +/- .110E 5		111.2	1.309	+/- .081E -4 BA			
LA	SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF	4.75.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.												
LA	448	314*0780	317	7.344 +/- 1.132E 5				19.6	2.663	+/- 1.013E -5 LA					
CE	SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF	4.75.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.												
CE	676	469*0900	330	8.284 +/- .787E 5				30.2	3.647	+/- 1.162E -5 CE					
CE	SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF	4.75.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.												
COUNT RATE CORRECTION FOR LAST ELEMENT = I															

8031 V BUR-174 QK4 QUELKATA, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573184

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*329.41545 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.41545 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 W BUR-175 QK5 QUELKATA, AREQUIPA, SURFAC  
GAMMA SPECTRUM-B 573185

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.87CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
 IRRADIATION TIME = . MIN DECAY TIME = \*329.44743 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.44743 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 X BUR-176 HRI HUILLCA RACCA, CUZCO, KENDALLEXC, L'  
GAMMA SPECTRUM-B 573136

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.79CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .25 O/O EOB = 0. MJD  
 IRRADIATION TIME = .0. MIN DECAY TIME = \*329.47142 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.47142 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 Y BUR-177 HR2 HUILLCA RACCA, CUZCO, KENDALLEXC, L  
GAMMA SPECTRUM-B 573187

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.67CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.49941 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.49941 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 Z BUR-178 HT1 HUILTOCCO, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573188

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .23 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.52739 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.52739 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 1 BUR-179 HT2 HUILTOCCO, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573189

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.63CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .23 O/O EOB = 0. MJD  
 IRRADIATION TIME = J. MIN DECAY TIME = \*329.55537 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.55537 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK						GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM <sup>2</sup> )		CPM EOB	ELEMENT	ELEMENT ABUNDANCE
	COUNTS	EL	MULT	COUNTS	EL	MULT										
BKSCAT							68773	0	489	488	7.803	+/- .021E 5	61878.0	.079	+/- 3.361E 0	
SN							18333	599*0233	234	2.604	+/- .014E 4	2866.0	.110	+/- .001E -0 SN		
BA							1093	378*0630	303	8.497	+/- .110E 5	115.5	1.360	+/- .086E -4 BA		
LA	SN PEAK IS AT CHANNEL 233.78 WITH HALFWIDTH OF	4.68.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.													
LA	SN PEAK IS AT CHANNEL 233.78 WITH HALFWIDTH OF	4.68.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.				371	341*0780	317	7.344	+/- 1.132E 5	4.8	.660	+/- 1.048E -5 LA		
CE	SN PEAK IS AT CHANNEL 233.78 WITH HALFWIDTH OF	4.68.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.				646	434*0900	330	8.284	+/- .787E 5	34.3	4.136	+/- 1.249E -5 CE		
CE	SN PEAK IS AT CHANNEL 233.78 WITH HALFWIDTH OF	4.68.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.													
COUNT RATE CORRECTION FOR LAST ELEMENT = I																

8031 2 BUR-180 HT3 HUILTOCCO, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573190

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.77CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .30 O/O EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*329.58735 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.58735 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 3 BUR-181 HT4 HUILTOCCO, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573191

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.83CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 0/0 EOB = 0. MJD  
IRRADIATION TIME = ). MIN DECAY TIME = \*329.61134 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.61134 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 4 BUR-182 HT5 HUILTOCCO, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 57319 2

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.71CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
IRRADIATION TIME = J. MIN DECAY TIME = \*329.63932 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.63932 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 5 BUR-183 CC1 CABANACONDE, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573193

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.53CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*329.66730 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.66730 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 6 BUR-184 CC2 CABANACONDE, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573194

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.82CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.69529 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.69529 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK						GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM2)	CPM EOB	ELEMENT	ELEMENT ABUNDANCE
	COUNTS	EL	MULT	COUNTS	EL	MULT									
BKSCAT				78944	0	489	488		7.803	+/- .021E 5		72049.0	.092	+/- 3.601E 0	
SN				20558	824*0233	234		2.604	+/- .014E 4		2739.0	.105	+/- .001E -0 SN		
BA				1280	487*0630	303		8.497	+/- .110E 5		110.1	1.295	+/- .082E -4 BA		
LA	SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF	4.86.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.												
LA	460	369*0780	317	7.344	+/- 1.132E 5		12.6	1.720	+/- .979E -5 LA						
CE	SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF	4.86.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.												
CE	707	455*0900	330	8.284	+/- .787E 5		35.0	4.222	+/- 1.122E -5 CE						
SN PEAK IS AT CHANNEL 233.72 WITH HALFWIDTH OF 4.86. CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.															
COUNT RATE CORRECTION FOR LAST ELEMENT = 1															

8031 7 BUR-185 PX1 PACHAMACHAY, JUNIN, PAX10- LEVEL  
GAMMA SPECTRUM-B 573195

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.69 CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .30 O/O EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*329.72761 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.72761 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK						GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM2)	CPM	ELEMENT	ELEMENT
	COUNTS	EL	MULT	COUNTS	EL	MULT									
BKSCAT				83176	0	489	490	7.803	+/- .021E 5	76281.0	.098	+/- .3.696E 0	EOB	ABUNDANCE	
SN				21062	952*0233	234	234	2.604	+/- .014E 4	2636.3	.101	+/- .001E -0	SN		
BA				5694	754*0630	303	303	8.497	+/- .110E 5	647.6	7.621	+/- .166E -4	BA		
LA	SN PEAK IS AT CHANNEL	233.61 WITH HALFWIDTH OF	4.75.	BA PEAK IS SUMMED STARTING	63.00 CHANNELS HIGHER.										
LA	565	512*0780	317	7.344	+/- 1.132E 5	6.9	.946	+/- 1.048E -5	LA						
CE	SN PEAK IS AT CHANNEL	233.61 WITH HALFWIDTH OF	4.75.	LA PEAK IS SUMMED STARTING	78.00 CHANNELS HIGHER.										
CE	869	717*0900	330	8.284	+/- .787E 5	19.9	2.405	+/- 1.235E -5	CE						
CE	SN PEAK IS AT CHANNEL	233.61 WITH HALFWIDTH OF	4.75.	CE PEAK IS SUMMED STARTING	90.00 CHANNELS HIGHER.										
COUNT RATE CORRECTION FOR LAST ELEMENT = I															

8031 8 BUR-186 PX2 PACHAMACHAY, JUNIN, PAX3-79, LEVEL 2  
GAMMA SPECTRUM-B 573197

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.75CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.75561 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.75561 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

NUCLIDE	COUNTS REMOVED FROM PEAK						GROSS COUNTS	BKGD COUNTS	APPR PEAK	REAL PEAK	I X	FLUX(N/MIN-CM2)	CPM EOB	ELEMENT	ELEMENT ABUNDANCE
	COUNTS	EL	MULT	COUNTS	EL	MULT									
BKSCAT				71271	0	489	489	7.803	+/- .021E 5	64376.0	.082	+/- 3.421E 0			
SN				19926	916*0233	233	234	2.604	+/- .014E 4	2953.0	.113	+/- .001E -0	SN		
BA				5282	664*0630	303	303	8.497	+/- .110E 5	717.3	8.442	+/- .187E -4	BA		
LA	SN PEAK IS AT CHANNEL 233.65 WITH HALFWIDTH OF	4.77.	BA PEAK IS SUMMED STARTING 63.00 CHANNELS HIGHER.												
LA	443	380*0780	317	7.344	+/- 1.132E 5	9.8	1.333	+/- 1.084E -5	LA						
CE	SN PEAK IS AT CHANNEL 233.65 WITH HALFWIDTH OF	4.77.	LA PEAK IS SUMMED STARTING 78.00 CHANNELS HIGHER.												
CE	669	531*0900	330	8.284	+/- .787E 5	21.4	2.588	+/- 1.267E -5	CE						
CE	SN PEAK IS AT CHANNEL 233.65 WITH HALFWIDTH OF	4.77.	CE PEAK IS SUMMED STARTING 90.00 CHANNELS HIGHER.												
COUNT RATE CORRECTION FOR LAST ELEMENT = I															

8031 9 BUR-187 PX3 PACHAMACHAY, JUNIN, PAX6, LEVEL 6  
GAMMA SPECTRUM-B 573198

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.72 CHANNELS

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.7 CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.78759 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.78759 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 + BUR-188 VZ1 VIZCACHAMI, AREQUIPA, SURF AC  
GAMMA SPECTRUM-B 573100

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.57CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
IRRADIATION TIME = . MIN DECAY TIME = \*329.81158 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.81158 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 - BUR-189 VZ2 VIZCACHAMI, AREQUIPA, SURFACE  
GAMMA SPECTRUM-B 573101

THE IN (23-11KEV) PEAK HAS A HALFWIDTH OF 4.60 CHANNELS

THE IN 125.11KREV PEAK HAS A HALF WIDTH OF 10000 NANOSES  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .22 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.83956 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.83956 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 \* BUR-190 WQ1 WICHIGANA, AYACUDO, EB-18, 45-D1, SANDOVAL EXC.  
GAMMA SPECTRUM-B 573102

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.62CHANNELS

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.62CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .31 0/0 EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.86754 DAYS COUNT TIME = 39.999 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.86754 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 / BUR-191 WQ2 WICHGANA, AYACUDO, EB-1N3-W2, 10  
GAMMA SPECTRUM-B 573103

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.81CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*329.89553 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.89553 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 \$ BUR-193 PG2 PAMPAS GALERAS, ICA, SURFACE  
GAMMA SPECTRUM-B 573105

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.65CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .31 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.95150 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.95150 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 . BUR-194 PG3 PAMPAS GALERAS, ICA, SURFACE  
GAMMA SPECTRUM-B 573106

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.68CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .30 O/O EOB = 0. MJD  
 IRRADIATION TIME = . MIN DECAY TIME = \*329.97950 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43329.97950 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 ] BUR-195 PG4 PAMPAS GALERAS, ICA, SURFACE  
GAMMA SPECTRUM-B 573107

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.69CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .32 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*330.00749 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.00749 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 # BUR-196 PG5 FAMPAS GALERAS, ICA, SURFACE  
GAMMA SPECTRUM-B 573108

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.78 CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .26 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*330.03549 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.03549 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 → BUR-197 CV1 WAMAN WAIN, ANDCASH, AN6-10-A1-  
GAMMA SPECTRUM-B 573109

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.71CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .27 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*330.06747 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.06747 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 ^ BUR-198 CV2 WAMAN WAIN, ANCASH, AN6-10-A1-C  
GAMMA SPECTRUM-B 573110

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.72CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
 IRRADIATION TIME = ) MIN DECAY TIME = \*330.09146 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.09146 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 ↑ BUR-199 CV3 PAJOC, ANCASH, AN6-2-A1-(  
GAMMA SPECTRUM-B 573111

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.78CHANNELS  
 STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .28 O/O EOB = 0. MJD  
 IRRADIATION TIME = 0. MIN DECAY TIME = \*330.11944 DAYS COUNT TIME = 39.997 MIN C/SEC BEG. = 0 C/SEC END = 0  
 START TIME = 43330.11944 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 > BUR-192 PGL PAMPAS GALERAS, ICA, SURFACE  
GAMMA SPECTRUM-B 573104

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.76 CHANNELS  
STD NUMBER 12 -573113 A SAMPLE WEIGHT = -0. MG DEAD TIME = .29 O/O EOB = 0. MJD  
IRRADIATION TIME = 0. MIN DECAY TIME = \*329.92752 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43329.92752 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 7/ 5/1977 PST

8031 : BUR-200 GGI GARAGAY, LIMA, 103/J, 01  
GAMMA SPECTRUM-B 573112

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 4.77CHANNELS  
STD NUMBER 1 2 -573113 A SAMPLE WEIGHT = -.0. MG DEAD TIME = .32 O/O EOB = 0. MJD  
IRRADIATION TIME = .0. MIN DECAY TIME = \*330.14743 DAYS COUNT TIME = 39.998 MIN C/SEC BEG. = 0 C/SEC END = 0  
START TIME = 43330.14743 MJD PILL THICKNESS = -.0. MILS SPECTRUM BEGAN 7/ 5/1977 PST