DATE 21 JUN 78
BOMB 8031
IDECK 14

$ = 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	HALFWIDTH
573032	B	H	8.43
573030	A	H	8.39
573034	C	H	8.98
573036	D	H	8.68
573038	E	H	8.86
573040	F	H	8.93
573042	G	H	9.11
573044	H	H	8.17
573046	I	H	8.11
573048	J	H	8.38
573050	K	H	8.15
573052	L	H	8.47
573054	M	H	8.27
573056	N	H	8.12
573058	O	H	8.23
573060	P	H	8.30
573061	Q	H	8.43
573063	R	H	8.54
573065	S	H	8.82
573067	T	H	8.21
573070	U	H	8.83
573072	V	H	8.89
573074	W	H	8.95
573076	X	H	8.38
573078	Y	H	8.47
573080	Z	H	8.00
573082	1	H	7.86
573084	2	H	8.22
573086	3	H	8.38
573088	4	H	8.15
573090	5	H	8.28
573092	6	H	8.95
573094	7	H	8.39
573096	8	H	8.25
573098	9	H	8.28
573000	+	H	8.24
573102	-	H	8.32
573104	*	H	8.90
573106	/	H	8.91

573108	>	H	+	8.95
573110	$	H		8.92
573112	.	H		8.83
573114	]	H		8.91
573116	≠	H		8.39
573118	►	H		8.15
573120	^	H	+	8.16
573122	↑	H		7.72
573124	;	H		7.63

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 8C31 B  BACK      BACKGROUND
GAMMA SPECTRUM-B 573032

 WEIGHT OF STD = 100.00000 MG     EOB =      0.       MJD    IRRADIATION TIME =    0.   MIN     DECAY TIME = *324.96002 DAYS
COUNT TIME =     79.997 MIN     C/SEC BEG. =      0     C/SEC END =      0     START TIME = 43324.96002 MJD

THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.43CHANNELS

STANDARD HALF GAMMA          ELEMENT        GROSS   BKGD   BKGD BKGD APPR  REAL  N  I APPROX  CPM  ISOTOPE      CALCULATED
         LIFE ENERGY        FRACTION       COUNTS  COUNTS OPT. MULT. PEAK  PEAK CH SP  BKGD         ABUND.        FLUX
         DAYS  KEV       OF STANDARD                                CHAN  CHAN        CHAN          O/O

 1 INCOH -0.   *0000  1.000 +/--0.    E  0     47678     7448 -25-0.     385  386 30 -0  17  40230.0  -0.      4.023 +/-  .041E  4
 1 COH   -0.   *2311  1.000 +/--0.    E  0      7283     2631  -8-0.   *0412  415 12 -0   9   1156.4  -0.      1.156 +/-  .038E  3
 1 FE    -0.   *0640  1.017 +/--0.    E -2       243      191 -16-0.   *0105  103  9  1  29     12.9  -0.      1.271 +/-  .574E  3
 1 CR    -0.   *0541 30.000 +/-  .490E -0       100      106  -5-0.   *9784   83  5  1   3     -1.5  -0.     -4.971 +/-*1.522E -2
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CR PEAK IS INTEGRATED BEGINNING EXACTLY -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 FE, (  .00120),        0 CR, (  .11000),
 1 MN    -0.   *0590 30.000 +/-  .648E -0       126      122  -6-0.   *9874   92  6  1  39      1.0  -0.      3.301 +/-14.675E -2
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. MN PEAK IS INTEGRATED BEGINNING EXACTLY -12.60 CHANNELS HIGHER.
 1 TI    -0.   *0451 30.000 +/-  .090E -0       158      130  -6-0.   *9604   65  6 -0  14      7.0  -0.       .232 +/-  .208E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. TI PEAK IS INTEGRATED BEGINNING EXACTLY -39.60 CHANNELS HIGHER.
 1 CA    -0.   *0369 30.000 +/-  .032E -0       295      381 -13-0.   *9434   48  6  1  11    -21.4  -0.      -.713 +/- -.213E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CA PEAK IS INTEGRATED BEGINNING EXACTLY -56.60 CHANNELS HIGHER.
 1 V     -0.   *0495 30.000 +/-  .220E -0       109      109  -4-0.   *9704   75  5  1   4       .0  -0.      8.286 +/-*8.446E -6
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13.  V PEAK IS INTEGRATED BEGINNING EXACTLY -29.60 CHANNELS HIGHER.
 1 ZN    -0.   *0863 30.000 +/- 4.000E -0       277      248  -6-0.   *0394  146 10 -0   7      7.2  -0.       .240 +/-  .323E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. ZN PEAK IS INTEGRATED BEGINNING EXACTLY  39.40 CHANNELS HIGHER.
 1 CU    -0.   *0805 30.000 +/- 2.900E -0       265      207  -6-0.   *0284  135  9 -0   5     14.4  -0.       .481 +/-  .288E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CU PEAK IS INTEGRATED BEGINNING EXACTLY  28.40 CHANNELS HIGHER.
 1 PB    -0.   *1265 30.000 +/- 2.000E -0       164      121  -8-0.   *8090  228 11 -0   8     10.7  -0.       .356 +/-  .239E -0
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. PB PEAK IS INTEGRATED BEGINNING EXACTLY *91.00 CHANNELS HIGHER.
 1 RB    -0.   *1338  7.000 +/--0.    E -5       108       65  -8-0.   *8230  241  9 -0   5     10.7  -0.      1.527 +/-  .732E  5
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. RB PEAK IS INTEGRATED BEGINNING EXACTLY *77.00 CHANNELS HIGHER.
 1 SR    -0.   *1415  1.450 +/--0.    E -4       122      127  -8-0.   *8390  258 11 -0   7     -1.2  -0.     -8.571 +/-*9.235E  3
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. SR PEAK IS INTEGRATED BEGINNING EXACTLY *61.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       2 RB, (  .16500),
 1 Y     -0.   *1493130.000 +/- 1.400E -0       140      184  -7-0.   *8535  273 11 -0   6    -11.4  -0.     -8.750 +/--6.561E -2
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80.  Y PEAK IS INTEGRATED BEGINNING EXACTLY *46.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 SR, (  .16500),        1 PB, (  .05500),
 1 ZR    -0.   *1575  2.520 +/--0.    E -4       224      199  -8-0.   *8685  290 15 -0   9      6.1  -0.      2.408 +/- 4.069E  4
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. ZR PEAK IS INTEGRATED BEGINNING EXACTLY *31.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0  Y, (  .15200),
 1 NB    -0.   *1659150.000 +/- 1.400E -0       204      237  -7-0.   *8865  306 11 -0   7     -8.2  -0.     -5.469 +/--6.428E -2
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. NB PEAK IS INTEGRATED BEGINNING EXACTLY *13.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       1 ZR, (  .15900),
 1 MO    -0.   *1744150.000 +/- 2.000E -0       363      401  -9-0.   *9050  325 13 -0  12     -9.7  -0.     -6.457 +/--8.845E -2
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. MO PEAK IS INTEGRATED BEGINNING EXACTLY -95.00 CHANNELS HIGHER.
 1 NI    -0.   *0747 30.000 +/- 1.349E -0        80      140  -1-0.   *0200  124  4  1   5    -14.9  -0.      -.497 +/- -.210E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. NI PEAK IS INTEGRATED BEGINNING EXACTLY  20.00 CHANNELS HIGHER.
 1 K     -0.   *0331 30.000 +/- 1.000E -0       237      296  -4-0.   *9365   42  6 -0  17    -14.7  -0.      -.489 +/- -.324E -0
     FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13.  K PEAK IS INTEGRATED BEGINNING EXACTLY -63.50 CHANNELS HIGHER.
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 8031 B  BACK      BACKGROUND
GAMMA SPECTRUM-B 573032

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.43CHANNELS
STD NUMBER 1                    -573032 B    SAMPLE WEIGHT = 100.00000 MG  DEAD TIME =    .05 O/O  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *324.96002 DAYS  COUNT TIME =      79.997 MIN  C/SEC BEG. =      0  C/SEC END =     0
START TIME = 43324.96002 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE HALF GAMMA   GAMMA  COUNT  CROSS  GROSS   BKGD  APPR REAL     FLUX(N/MIN-CM2)        CPM    MULT    ELEMENT          ELEMENT
        LIFE ENERGY INTENS.  EFF.  SECTION COUNTS COUNTS PEAK PEAK                          DECAY                ABUNDANCE
        DAYS  KEV    O/O     O/O   BARNS                CHAN CHAN                            CORR.

INCOH    -0.    *0000  -0.   -0.     -0.     47678   7448  385  386    4.023 +/- .041E  4       0.  1.00000  0.     +/- 1.019E  1
COH      -0.    *2311  -0.   -0.     -0.      7283  2631*0412  415    1.156 +/- .038E  3-4652000.0 1.00000 -4.023 +/-  .186E  3
FE       -0.    *0640  -0.   -0.     -0.       243   191*0105  103    1.271 +/- .574E  3  -52000.0 1.00000 -4.091 +/- 2.615E  1 FE
CR       -0.    *0541  -0.   -0.     -0.       100   106*9784   83    6.228 +/-2.815E  2    6000.0 1.00000  .963 +/- 2.275E  1 CR
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 FE, (  .00120),        0 CR, (  .11000),
MN       -0.    *0590  -0.   -0.     -0.       126   122*9874   92    8.236 +/-3.723E  2   -3936.6  .00120  -.478 +/- 2.161E  1 MN
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI       -0.    *0451  -0.   -0.     -0.       158   130*9604   65    1.144 +/- .517E  2  -28000.0 1.00000 -2.448 +/- 2.462E  2 TI
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA       -0.    *0369  -0.   -0.     -0.       295   381*9434   48    4.131 +/-1.867E  1   86000.0 1.00000  2.082 +/- 1.128E  3 CA
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V        -0.    *0495  -0.   -0.     -0.       109   109*9704   75    2.796 +/-1.264E  2      -1.0 1.00000  -.000 +/- 1.011E  2  V
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN       -0.    *0863  -0.   -0.     -0.       277   248*0394  146    5.084 +/-2.298E  3  -29000.0 1.00000 -5.704 +/- 8.088E  0 ZN
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU       -0.    *0805  -0.   -0.     -0.       265   207*0284  135    3.686 +/-1.666E  3  -58000.0 1.00000 -1.574 +/- 1.180E  1 CU
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB       -0.    *1265  -0.   -0.     -0.       164   121*8090  228    2.542 +/-1.149E  3  -43000.0 1.00000 -1.692 +/- 1.367E  1 PB
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB       -0.    *1338  -0.   -0.     -0.       108    65*8230  241    1.527 +/- .732E  5  -43000.0 1.00000  -.282 +/-  .191E -0 RB
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR       -0.    *1415  -0.   -0.     -0.       122   127*8390  258   10.000 +/- .000E -6    5000.0 1.00000  .500 +/- 2.872E  9 SR
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       7 RB, (  .16500),
Y        -0.    *1493  -0.   -0.     -0.       140   184*8535  273   10.000 +/- .000E -6   51095.0  .16500  5.109 +/- 3.447E  9  Y
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 SR, (  .16500),        2 PB, (  .05500),
ZR       -0.    *1575  -0.   -0.     -0.       224   199*8685  290    2.408 +/-4.069E  4  -22634.0  .16500  -.940 +/- 2.337E  0 ZR
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0  Y, (  .15200),
NB       -0.    *1659  -0.   -0.     -0.       204   237*8865  306    3.371 +/-5.697E  4   33001.0  .15200   .979 +/- 2.015E  0 NB
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       4 ZR, (  .15900),
MO       -0.    *1744  -0.   -0.     -0.       363   401*9050  325    4.816 +/-8.138E  4   41598.8  .15900   .864 +/- 1.838E  0 MO
        PEAK IS AT CHANNEL  414.22 WITH HALFWIDTH OF  6.80. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI       -0.    *0747  -0.   -0.     -0.        80   140*0200  124    1.715 +/- .775E  3   60000.0 1.00000  3.500 +/- 2.163E  1 NI
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K        -0.    *0331  -0.   -0.     -0.       237   296*9365   42    1.271 +/- .574E  3   59000.0 1.00000  4.642 +/- 3.726E  1  K
    FE PEAK IS AT CHANNEL  102.52 WITH HALFWIDTH OF  4.13.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =       I
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 8031 A  STD POT  STANDARD POTTERY
GAMMA SPECTRUM-B 573030

 WEIGHT OF STD = 100.00000 MG    EOB =     0.     MJD    IRRADIATION TIME =   0.   MIN    DECAY TIME = *324.90795 DAYS
COUNT TIME =    79.991 MIN    C/SEC BEG. =     0    C/SEC END =     0    START TIME = 43324.90795 MJD

THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.39CHANNELS

STANDARD HALF GAMMA          ELEMENT        GROSS   BKGD   BKGD BKGD  APPR  REAL  N  I APPROX  CPM  ISOTOPE      CALCULATED
         LIFE ENERGY        FRACTION       COUNTS  COUNTS  OPT. MULT. PEAK  PEAK CH SP  BKGD         ABUND.        FLUX
         DAYS  KEV        OF STANDARD                                CHAN  CHAN        CHAN          O/O

 1 INCOH -0.   *0000  1.000 +/--0.   E  0   668351  114396 -25-0.    385  387 30 -0  17 513725.0  -0.      5.137 +/-  .016E  5
 1 COH   -0.   *2311  1.000 +/--0.   E  0   117392   39001  -8-0.  *0412  415 12 -0   9   1525.9  -0.      1.526 +/-  .012E  3
 1 FE    -0.   *0640  1.017 +/--0.   E -2    22712    1756 -16-0.  *0105  104  9  1  29    407.9  -0.      4.011 +/-  .031E  4
 1 CR    -0.   *0541 30.000 +/-  .490E -0     1068    1031  -5-0.  *9784   84  5  1   3       .7  -0.      2.401 +/- 2.886E -2
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CR PEAK IS INTEGRATED BEGINNING EXACTLY -21.60 CHANNELS HIGHER.
     COUNTS REMOVED FROM NEXT PEAK =        0 FE, (  .00120),        0 CR, (  .11000),
 1 MN    -0.   *0590 30.000 +/-  .648E -0     1260    1196  -6-0.  *9874   94  6  1  39      1.2  -0.      4.116 +/- 3.626E -2
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. MN PEAK IS INTEGRATED BEGINNING EXACTLY -12.60 CHANNELS HIGHER.
 1 TI    -0.   *0451 30.000 +/-  .090E -0     3135    1261  -6-0.  *9604   67  6 -0  14     36.5  -0.      1.216 +/-  .056E  0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. TI PEAK IS INTEGRATED BEGINNING EXACTLY -39.60 CHANNELS HIGHER.
 1 CA    -0.   *0369 30.000 +/-  .032E -0     1755    1472 -13-0.  *9434   50  6  1  11      5.5  -0.       .184 +/-  .037E -0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CA PEAK IS INTEGRATED BEGINNING EXACTLY -56.60 CHANNELS HIGHER.
 1 V     -0.   *0495 30.000 +/-  .220E -0     1340    1219  -4-0.  *9704   76  5  1   4      2.4  -0.      7.851 +/- 3.149E -2
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60.  V PEAK IS INTEGRATED BEGINNING EXACTLY -29.60 CHANNELS HIGHER.
 1 ZN    -0.   *0863 30.000 +/- 4.000E -0     2039    1758  -6-0.  *0394  148 10 -0   7      5.5  -0.       .182 +/-  .068E -0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. ZN PEAK IS INTEGRATED BEGINNING EXACTLY  39.40 CHANNELS HIGHER.
 1 CU    -0.   *0805 30.000 +/- 2.900E -0     1848    1654  -6-0.  *0284  136  9 -0   5      3.8  -0.       .126 +/-  .063E -0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CU PEAK IS INTEGRATED BEGINNING EXACTLY  28.40 CHANNELS HIGHER.
 1 PB    -0.   *1265 30.000 +/- 2.000E -0     2510    2585  -8-0.  *8090  228 11 -0   8     -1.5  -0.     -4.866 +/--8.392E -2
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. PB PEAK IS INTEGRATED BEGINNING EXACTLY *91.00 CHANNELS HIGHER.
 1 RB    -0.   *1338  7.000 +/--0.   E -5     4799    2037  -8-0.  *8230  241  9 -0   5     53.8  -0.      7.681 +/-  .333E  5
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. RB PEAK IS INTEGRATED BEGINNING EXACTLY *77.00 CHANNELS HIGHER.
 1 SR    -0.   *1415  1.450 +/--0.   E -4     9535    2229  -8-0.  *8390  258 11 -0   7    142.2  -0.      9.808 +/-  .198E  5
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. SR PEAK IS INTEGRATED BEGINNING EXACTLY *61.00 CHANNELS HIGHER.
     COUNTS REMOVED FROM NEXT PEAK =        9 RB, (  .16500),
 1 Y     -0.   *1493130.000 +/- 1.400E -0     4665    2412  -7-0.  *8535  273 11 -0   6     43.7  -0.       .336 +/-  .020E -0
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17.  Y PEAK IS INTEGRATED BEGINNING EXACTLY *46.50 CHANNELS HIGHER.
     COUNTS REMOVED FROM NEXT PEAK =       23 SR, (  .16500),        0 PB, (  .05500),
 1 ZR    -0.   *1575  2.520 +/--0.   E -4    23475    5511  -8-0.  *8685  290 15 -0   9    349.2  -0.      1.386 +/-  .020E  6
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. ZR PEAK IS INTEGRATED BEGINNING EXACTLY *31.50 CHANNELS HIGHER.
     COUNTS REMOVED FROM NEXT PEAK =        7  Y, (  .15200),
 1 NB    -0.   *1659150.000 +/- 1.400E -0     5211    3360  -7-0.  *8865  306 11 -0   7     35.9  -0.       .239 +/-  .020E -0
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. NB PEAK IS INTEGRATED BEGINNING EXACTLY *13.50 CHANNELS HIGHER.
     COUNTS REMOVED FROM NEXT PEAK =       56 ZR, (  .15900),
 1 MO    -0.   *1744150.000 +/- 2.000E -0     8568    5857  -9-0.  *9050  325 13 -0  12     51.7  -0.       .345 +/-  .028E -0
    PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. MO PEAK IS INTEGRATED BEGINNING EXACTLY -95.00 CHANNELS HIGHER.
 1 NI    -0.   *0747 30.000 +/- 1.349E -0     1434     708  -1-0.  *0200  125  4  1   5     14.1  -0.       .471 +/-  .042E -0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. NI PEAK IS INTEGRATED BEGINNING EXACTLY  20.00 CHANNELS HIGHER.
 1 K     -0.   *0331 30.000 +/- 1.000E -0     1782    1529  -4-0.  *9365   43  6 -0  17      4.9  -0.       .164 +/-  .059E -0
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60.  K PEAK IS INTEGRATED BEGINNING EXACTLY -63.50 CHANNELS HIGHER.
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 8031 A  STD POT  STANDARD POTTERY
GAMMA SPECTRUM-B 573030

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.39CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT = 100.00000 MG  DEAD TIME =    .69 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *324.90795 DAYS  COUNT TIME =      79.991 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43324.90795 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE HALF GAMMA   GAMMA  COUNT  CROSS  GROSS   BKGD  APPR REAL     FLUX(N/MIN-CM2)        CPM    MULT    ELEMENT          ELEMENT
        LIFE ENERGY INTENS.  EFF. SECTION COUNTS COUNTS PEAK PEAK                          DECAY              ABUNDANCE
        DAYS  KEV    0/0     0/0  BARNS                CHAN CHAN                            CORR.

INCOH    -0.    *0000  -0.   -0.     -0.     668351 114396  385  387    5.137 +/- .016E  5  513725.0 1.00000    .100 +/- 3.086E  1
COH      -0.    *2311  -0.   -0.     -0.     117392  39001*0412  415    1.526 +/- .012E  3    1525.9 1.00000  1.000 +/-  .011E  0
FE       -0.    *0640  -0.   -0.     -0.      22712   1756*0105  104    4.011 +/- .031E  4     407.9 1.00000  1.017 +/-  .011E -2 FE
CR       -0.    *0541  -0.   -0.     -0.       1068   1031*9784   84    1.965 +/- .015E  4        .7 1.00000  3.665 +/- 4.405E -5 CR
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =      25 FE, (  .00120),        4 CR, (  .11000),
MN       -0.    *0590  -0.   -0.     -0.       1260   1196*9874   94    2.599 +/- .020E  4        .7  .00120  2.605 +/- 4.201E -5 MN
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI       -0.    *0451  -0.   -0.     -0.       3135   1261*9604   67    3.610 +/- .028E  3       36.5 1.00000  1.011 +/-  .047E -2 TI
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA       -0.    *0369  -0.   -0.     -0.       1755   1472*9434   50    1.304 +/- .010E  3        5.5 1.00000  4.226 +/-  .850E -3 CA
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V        -0.    *0495  -0.   -0.     -0.       1340   1219*9704   76    8.824 +/- .067E  3        2.4 1.00000  2.669 +/- 1.071E -4  V
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN       -0.    *0863  -0.   -0.     -0.       2039   1758*0394  148    1.604 +/- .012E  5        5.5 1.00000  3.409 +/- 1.268E -5 ZN
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU       -0.    *0805  -0.   -0.     -0.       1848   1654*0284  136    1.163 +/- .009E  5        3.8 1.00000  3.247 +/- 1.623E -5 CU
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB       -0.    *1265  -0.   -0.     -0.       2510   2585*8090  228    8.022 +/- .061E  4       -1.5 1.00000 -1.820 +/- 3.138E -5 PB
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB       -0.    *1338  -0.   -0.     -0.       4799   2037*8230  241    7.681 +/- .333E  5       53.8 1.00000  7.000 +/-  .430E -5 RB
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR       -0.    *1415  -0.   -0.     -0.       9535   2229*8390  258    9.808 +/- .198E  5      142.2 1.00000  1.450 +/-  .041E -4 SR
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     456 RB, (  .16500),
Y        -0.    *1493  -0.   -0.     -0.       4665   2412*8535  273    1.373 +/- .028E  6       35.0  .16500  2.548 +/-  .200E -5  Y
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1205 SR, (  .16500),        0 PB, (  .05500),
ZR       -0.    *1575  -0.   -0.     -0.      23475   5511*8685  290    1.386 +/- .020E  6      326.2  .16500  2.354 +/-  .049E -4 ZR
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     273  Y, (  .15200),
NB       -0.    *1659  -0.   -0.     -0.       5211   3360*8865  306    1.940 +/- .028E  6       30.7  .15200  1.583 +/-  .157E -5 NB
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    2665 ZR, (  .15900),
MO       -0.    *1744  -0.   -0.     -0.       8568   5857*9050  325    2.772 +/- .039E  6        .9  .15900   .326 +/- 1.531E -6 MO
        PEAK IS AT CHANNEL  414.40 WITH HALFWIDTH OF  7.17. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI       -0.    *0747  -0.   -0.     -0.       1434    708*0200  125    5.411 +/- .041E  4       14.1 1.00000  2.612 +/-  .236E -4 NI
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K        -0.    *0331  -0.   -0.     -0.       1782   1529*9365   43    4.011 +/- .031E  4        4.9 1.00000  1.228 +/-  .441E -4  K
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.60.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 C  PLAST    THICK PLASTIC
GAMMA SPECTRUM-B 573034

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.98CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .52 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.01573 DAYS  COUNT TIME =      79.997 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.01573 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT     COUNTS EL     MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
INCOH                                                     575861  82631  385  387     5.137 +/- .016E  5  453000.0    .088 +/- 2.692E  1
COH                                                        55599  24493*0412  414     1.526 +/- .012E  3     686.7    .450 +/-  .007E -0
FE                                                          1098   1142*0105  103     4.011 +/- .031E  4      -1.0  -2.422 +/- 2.997E -5 FE
CR                                                           679    677*9784   83     1.965 +/- .015E  4        .0    .225 +/- 4.009E -5 CR
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          0 FE   .00120          0 CR   .11000            773    767*9874   93     2.599 +/- .020E  4        .1    .491 +/- 3.774E -5 MN
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           883    893*9604   66     3.610 +/- .028E  3       -.2   -.612 +/- 3.859E -4 TI
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                          1100   1016*9434   49     1.304 +/- .010E  3       1.9   1.422 +/-  .779E -3 CA
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            659    692*9704   75     8.824 +/- .067E  3       -.7  -8.255 +/- 8.795E -5  V
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                          1141   1069*0394  147     1.604 +/- .012E  5       1.6    .991 +/- 1.106E -5 ZN
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                          1150    957*0284  135     1.163 +/- .009E  5       4.3   3.663 +/- 1.401E -5 CU
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         .67. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                          1328   1271*8090  228     8.022 +/- .061E  4       1.3   1.569 +/- 2.509E -5 PB
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        7.53. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                          1126   1087*8230  241     7.681 +/- .333E  5        .9   1.121 +/- 2.266E -6 RB
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        7.53. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                          1281   1269*8390  258     9.808 +/- .198E  5        .3    .270 +/- 2.052E -6 SR
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        7.53. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y                                                           1363   1332*8535  273     1.373 +/- .028E  6        .5    .395 +/- 1.517E -6  Y
          6 RB   .16500          0     0.                  7.53.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        2024   1924*8685  290     1.386 +/- .020E  6       2.1   1.511 +/- 2.057E -6 ZR
ZR          2 SR   .16500          3 PB   .05500            7.53. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        1734   1865*8865  306     1.940 +/- .028E  6      -3.0  -1.533 +/- 1.257E -6 NB
NB          4  Y   .15200          0     0.                  7.53. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF        3125   3636*9050  325     2.772 +/- .039E  6     -11.6  -4.190 +/- 1.303E -6 MO
MO         15 ZR   .15900          0     0.                  7.53. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  414.07 WITH HALFWIDTH OF         432    608*0200  124     5.411 +/- .041E  4      -3.9  -7.180 +/- 2.184E -5 NI
NI                                                           .67. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF         1085   1012*9365   42     4.011 +/- .031E  4       1.6   4.018 +/- 4.030E -5  K
K                                                            .67.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  102.83 WITH HALFWIDTH OF
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 D  BUR-156  CSI CHUPAS, AYACUCHO, FORMATIVE, CRUZATT EXCAVATIONS
GAMMA SPECTRUM-B 573036

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.68CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .74 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.07571 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.07571 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT       COUNTS COUNTS PEAK PEAK  X                           EOB          ABUNDANCE
                                                     726637 129130  385  386     5.137 +/- .016E  5  557277.0    .108 +/- 3.272E  1
INCOH                                                129518  45771*0412  415     1.526 +/- .012E  3    1502.8    .985 +/-  .011E -0
COH                                                   12539   1670*0105  104     4.011 +/- .031E  4     195.0  4.863 +/-  .067E -3 FE
FE                                                      920    983*9784   84     1.965 +/- .015E  4      -1.1 -5.752 +/- 3.860E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        0 CR   .11000      1801   1156*9874   94     2.599 +/- .020E  4      11.3  4.363 +/-  .416E -4 MN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                    1437   1305*9604   67     3.610 +/- .028E  3       2.4  6.562 +/- 3.887E -4 TI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                    1869   1528*9434   50     1.304 +/- .010E  3       6.1  4.694 +/-  .802E -3 CA
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     1039    989*9704   76     8.824 +/- .067E  3        .9  1.017 +/-  .878E -4  V
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                    2077   1632*0394  148     1.604 +/- .012E  5       8.0  4.977 +/- 1.134E -5 ZN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                    1524   1408*0284  136     1.163 +/- .009E  5       2.1  1.790 +/- 1.372E -5 CU
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                    2521   2981*8090  228     8.022 +/- .061E  4      -8.3 -1.029 +/-  .308E -4 PB
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                    8190   2735*8230  241     7.681 +/- .333E  5      97.9  1.274 +/-  .065E -4 RB
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                    5294   2242*8390  258     9.808 +/- .198E  5      54.8  5.584 +/-  .268E -5 SR
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          900 RB   .16500        0     0.            4125   2336*8535  273     1.373 +/- .028E  6      16.0  1.162 +/-  .175E -5  Y
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         504 SR   .16500        0 PB   .05500       11795   4967*8685  290     1.386 +/- .020E  6     113.5  8.189 +/-  .311E -5 ZR
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         135  Y   .15200        0     0.            6003   3839*8865  306     1.940 +/- .028E  6      36.4  1.877 +/-  .156E -5 NB
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1006 ZR   .15900        0     0.            7491   6461*9050  325     2.772 +/- .039E  6        .4   .158 +/- 1.440E -6 MO
        PEAK IS AT CHANNEL  414.20 WITH HALFWIDTH OF  7.06. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                     638    524*0200  125     5.411 +/- .041E  4       2.0  3.781 +/- 1.734E -5 NI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                     2700   1770*9365   43     4.011 +/- .031E  4      16.7  4.161 +/-  .455E -4  K
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.63.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 E  BUR-157  CS2 CHUPAS, AYACUCHO, FORMATIVE
GAMMA SPECTRUM-B 573038

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.86CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.12781 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.12781 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT             COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         678039 117114  385  387     5.137 +/- .016E  5  520695.0    .101 +/- 3.114E  1
INCCH                                                    120535 39355*0412  414     1.526 +/- .012E  3    1559.1  1.022 +/-  .011E  0
COH                                                       11581  1671*0105  104     4.011 +/- .031E  4     190.3  4.745 +/-  .068E -3 FE
FE                                                          946   992*9784   84     1.965 +/- .015E  4      -.9 -4.495 +/- 4.180E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120        0 CR   .11000      1638  1184*9874   94     2.599 +/- .020E  4       8.5  3.267 +/-  .439E -4 MN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1365  1222*9604   67     3.610 +/- .028E  3       2.7  7.608 +/- 4.011E -4 TI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1789  1397*9434   50     1.304 +/- .010E  3       7.5  5.775 +/-  .832E -3 CA
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          995   976*9704   76     8.824 +/- .067E  3        .4  4.135 +/- 9.255E -5  V
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1915  1428*0394  148     1.604 +/- .012E  5       9.4  5.829 +/- 1.145E -5 ZN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1373  1357*0284  136     1.163 +/- .009E  5        .3   .264 +/- 1.433E -5 CU
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2447  2965*8090  228     8.022 +/- .061E  4      -9.9 -1.240 +/-  .328E -4 PB
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        7626  2581*8230  241     7.681 +/- .333E  5      96.9  1.261 +/-  .065E -4 RB
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        5091  2164*8390  258     9.808 +/- .198E  5      56.2  5.731 +/-  .280E -5 SR
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y           832 RB   .16500        0     0.            3891  2401*8535  273     1.373 +/- .028E  6      12.6  9.197 +/- 1.876E -6  Y
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          483 SR   .16500        0 PB   .05500      11221  4637*8685  290     1.386 +/- .020E  6     117.2  8.455 +/-  .322E -5 ZR
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          100  Y   .15200        0     0.            5644  3437*8865  306     1.940 +/- .028E  6      40.5  2.086 +/-  .159E -5 NB
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          970 ZR   .15900        0     0.            6910  5980*9050  325     2.772 +/- .039E  6       -.8  -.278 +/- 1.488E -6 MO
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.30. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         596   608*0200  125     5.411 +/- .041E  4       -.2  -.426 +/- 1.953E -5 NI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2503  1670*9365   43     4.011 +/- .031E  4      16.0  3.988 +/-  .474E -4  K
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.68.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 F  BUR-158  CS3 CHUPAS, AYACUCHO, FORMATIVE
GAMMA SPECTRUM-B 573040

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.93CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .77 0/0  EOB =      0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *325.18788 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.18788 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         766566 133191  385  387     5.137 +/- .016E  5  593145.0    .115 +/- 3.319E  1
INCOH                                                    136469  43492*0412  414     1.526 +/- .012E  3    1567.5  1.027 +/-  .010E  0
COH                                                       12964   1764*0105  104     4.011 +/- .031E  4     188.8  4.708 +/-  .064E -3 FE
FE                                                          984   1031*9784   84     1.965 +/- .015E  4      -.8 -4.032 +/- 3.738E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
          13 FE   .00120          0 CR   .11000       1785   1221*9874   94     2.599 +/- .020E  4       9.3  3.571 +/-  .395E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                        1412   1250*9604   67     3.610 +/- .028E  3       2.7  7.566 +/- 3.554E -4 TI
TI
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                        1986   1466*9434   50     1.304 +/- .010E  3       8.8  6.725 +/-  .761E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                        1041   1068*9704   76     8.824 +/- .067E  3      -.5 -5.159 +/- 8.396E -5  V
V
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                        2096   1575*0394  148     1.604 +/- .012E  5       8.8  5.475 +/- 1.050E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                        1513   1416*0284  136     1.163 +/- .009E  5       1.6  1.406 +/- 1.288E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                        2719   3009*8090  228     8.022 +/- .061E  4     -4.9 -6.095 +/- 2.917E -5 PB
PB
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                        8541   2793*8230  241     7.681 +/- .333E  5      96.9  1.262 +/-  .064E -4 RB
RB
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                        5438   2193*8390  258     9.808 +/- .198E  5      54.7  5.578 +/-  .254E -5 SR
SR
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                                                        4288   2557*8535  273     1.373 +/- .028E  6      13.2  9.609 +/- 1.710E -6  Y
Y          948 RB   .16500          0     0.
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                                                       12624   4864*8685  290     1.386 +/- .020E  6     121.8  8.789 +/-  .298E -5 ZR
ZR         535 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                                                        6204   3636*8865  306     1.940 +/- .028E  6      41.3  2.128 +/-  .145E -5 NB
NB         119  Y   .15200          0     0.
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                                                        7698   6298*9050  325     2.772 +/- .039E  6       4.2  1.529 +/- 1.347E -6 MO
MO        1149 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  414.24 WITH HALFWIDTH OF  7.31. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                         650    668*0200  125     5.411 +/- .041E  4      -.3  -.561 +/- 1.796E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                        2588   1888*9365   43     4.011 +/- .031E  4      11.8  2.942 +/-  .439E -4  K
K
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.71.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 G  BUR-159  CS4 CHUPAS, AYACUCHO, FORMATIVE
GAMMA SPECTRUM-B 573042

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 9.11CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .76 0/0  EOB =     0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.24000 DAYS  COUNT TIME =      79.989 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.24000 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL   MULT    COUNTS EL    MULT            COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         727900 124584  385  387     5.137 +/- .016E  5  563086.0    .110 +/- 3.222E  1
INCCH                                                    131892  43486*0412  415     1.526 +/- .012E  3    1570.0  1.029 +/-  .011E  0
COH                                                       13584   1601*0105  104     4.011 +/- .031E  4     212.8  5.306 +/-  .070E -3 FE
FE                                                         1056    973*9784   84     1.965 +/- .015E  4       1.5  7.500 +/- 3.952E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120        9 CR   .11000       1535   1122*9874   94     2.599 +/- .020E  4       6.9  2.661 +/-  .395E -4 MN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1480   1249*9604   67     3.610 +/- .028E  3       4.1  1.136 +/-  .377E -3 TI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         2087   1529*9434   50     1.304 +/- .010E  3       9.9  7.602 +/-  .821E -3 CA
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1064   1078*9704   76     8.824 +/- .067E  3      -.2 -2.818 +/- 8.916E -5  V
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         1835   1523*0394  148     1.604 +/- .012E  5       5.5  3.454 +/- 1.078E -5 ZN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1433   1356*0284  136     1.163 +/- .009E  5       1.4  1.176 +/- 1.330E -5 CU
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2738   3674*8090  228     8.022 +/- .061E  4     -16.6 -2.072 +/-  .336E -4 PB
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        11491   3291*8230  241     7.681 +/- .333E  5     145.6  1.896 +/-  .091E -4 RB
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        10327   2597*8390  258     9.808 +/- .198E  5     137.3  1.400 +/-  .040E -4 SR
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1353 RB   .16500        0     0.               4908   2607*8535  273     1.373 +/- .028E  6      16.8  1.226 +/-  .185E -5  Y
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1275 SR   .16500        0 PB   .05500          13847   4830*8685  290     1.386 +/- .020E  6     137.5  9.921 +/-  .322E -5 ZR
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         144  Y   .15200        0     0.               4183   3580*8865  306     1.940 +/- .028E  6       8.1  4.201 +/- 1.429E -6 NB
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1231 ZR   .15900        0     0.               7165   6500*9050  325     2.772 +/- .039E  6     -10.1 -3.626 +/- 1.435E -6 MO
        PEAK IS AT CHANNEL  414.37 WITH HALFWIDTH OF  7.21. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          638    600*0200  125     5.411 +/- .041E  4        .7  1.247 +/- 1.809E -5 NI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2526   1806*9365   43     4.011 +/- .031E  4      12.8  3.188 +/-  .451E -4  K
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.76.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 H  BUR-160 CS5 CHUPAS, AYACUCHO, EIP
GAMMA SPECTRUM-B 573044

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.17CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .68 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.29610 DAYS  COUNT TIME =      79.993 MIN  C/SEC BEG. =      0  C/SEC END =     0
START TIME = 43325.29610 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/30/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT       COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                     725892 127417  385  387     5.137 +/- .016E  5  558245.0    .109 +/- 3.249E  1
INCOH                                                129655  43708*0412  415     1.526 +/- .012E  3    1539.6  1.009 +/-  .011E  0
COH                                                   12243   1672*0105  104     4.011 +/- .031E  4     189.4  4.721 +/-  .066E -3 FE
FE                                                      958    990*9784   84     1.965 +/- .015E  4      -.6 -2.917 +/- 3.905E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
          13 FE   .00120          0 CR   .11000      1644   1177*9874   94     2.599 +/- .020E  4       8.1  3.131 +/-  .408E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                      1409   1307*9604   67     3.610 +/- .028E  3       1.8  5.061 +/- 3.866E -4 TI
TI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                      1869   1522*9434   50     1.304 +/- .010E  3       6.2  4.768 +/-  .801E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                       978   1063*9704   76     8.824 +/- .067E  3      -1.5 -1.725 +/-  .877E -4  V
V
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                      1901   1456*0394  148     1.604 +/- .012E  5       8.0  4.968 +/- 1.073E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                      1411   1365*0284  136     1.163 +/- .009E  5        .8   .708 +/- 1.342E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                      2642   3278*8090  229     8.022 +/- .061E  4     -11.4 -1.420 +/-  .321E -4 PB
PB
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                      8175   2481*8230  242     7.681 +/- .333E  5     102.0  1.328 +/-  .066E -4 RB
RB
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                      5124   2213*8390  259     9.808 +/- .198E  5      52.1  5.317 +/-  .263E -5 SR
SR
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                                                      4211   2608*8535  273     1.373 +/- .028E  6      11.9  8.656 +/- 1.819E -6  Y
Y          940 RB   .16500          0     0.
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                                                     11931   4958*8685  290     1.386 +/- .020E  6     116.3  8.393 +/-  .312E -5 ZR
ZR         480 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                                                      5820   3696*8865  306     1.940 +/- .028E  6      36.2  1.868 +/-  .153E -5 NB
NB         101  Y   .15200          0     0.
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                                                      7234   6195*9050  326     2.772 +/- .039E  6        .1   .043 +/- 1.412E -6 MO
MO        1032 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  6.88. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                       564    684*0200  125     5.411 +/- .041E  4      -2.1 -3.973 +/- 1.902E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                      2657   1747*9365   43     4.011 +/- .031E  4      16.3  4.064 +/-  .452E -4  K
K
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.55.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 I  BUR-161  CPL CERRO PUCARA, PUNO, SURFACE
GAMMA SPECTRUM-B 573046

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.11CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .74 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.35620 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.35620 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT    COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
INCOH                                                722669 128074  385  387     5.137 +/- .016E  5  554365.0    .108 +/- 3.254E  1
COH                                                  129026  42420*0412  415     1.526 +/- .012E  3    1562.3  1.024 +/-  .011E  0
FE                                                    11999   1697*0105  104     4.011 +/- .031E  4     185.8  4.633 +/-  .065E -3 FE
CR                                                      969   1006*9784   84     1.965 +/- .015E  4      -.7 -3.396 +/- 3.961E -5 CR
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120          0 CR   .11000    1866   1213*9874   94     2.599 +/- .020E  4      11.6  4.446 +/-  .428E -4 MN
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                    1365   1320*9604   67     3.610 +/- .028E  3       .8  2.249 +/- 3.867E -4 TI
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                    1896   1440*9434   50     1.304 +/- .010E  3       8.2  6.310 +/-  .800E -3 CA
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     1031   1031*9704   76     8.824 +/- .067E  3       .0   .000 +/- 1.777E -4  V
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                    1858   1515*0394  148     1.604 +/- .012E  5       6.2  3.856 +/- 1.095E -5 ZN
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                    1478   1430*0284  136     1.163 +/- .009E  5       .9   .744 +/- 1.382E -5 CU
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                    2775   4367*8090  229     8.022 +/- .061E  4     -28.7 -3.580 +/-  .369E -4 PB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   14857   3558*8230  242     7.681 +/- .333E  5     203.8  2.654 +/-  .123E -4 RB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                    4600   2292*8390  259     9.808 +/- .198E  5      41.6  4.245 +/-  .256E -5 SR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1864 RB   .16500          0     0.        6146   2632*8535  273     1.373 +/- .028E  6      29.8  2.167 +/-  .198E -5  Y
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          381  SR   .16500          0 PB   .05500   11470   5070*8685  290     1.386 +/- .020E  6     108.6  7.835 +/-  .311E -5 ZR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          251   Y   .15200          0     0.        5293   3668*8865  306     1.940 +/- .028E  6      24.8  1.278 +/-  .151E -5 NB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          957  ZR   .15900          0     0.        6981   6104*9050  326     2.772 +/- .039E  6      -1.4  -.521 +/- 1.407E -6 MO
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.23. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                     624    576*0200  125     5.411 +/- .041E  4       .9  1.600 +/- 1.804E -5 NI
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                     2448   1694*9365   43     4.011 +/- .031E  4      13.6  3.391 +/-  .446E -4  K
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.50.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8031 J  BUR-162  CP2 CERRO PUCARA, PUNO, SURFACE
GAMMA SPECTRUM-B 573048

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.38CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .69 0/0  EOB =      0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *325.40830 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.40830 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT          COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                           680798 122278  385  387     5.137 +/- .016E  5  518290.0    .101 +/- 3.184E  1
INCOH                                                      124237 39089*0412  415     1.526 +/- .012E  3    1642.9  1.077 +/-  .011E  0
COH                                                         11659  1611*0105  104     4.011 +/- .031E  4     193.9  4.833 +/-  .068E -3 FE
FE                                                            932   966*9784   84     1.965 +/- .015E  4       -.7 -3.338 +/- 4.152E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120          0 CR   .11000     1838  1144*9874   94     2.599 +/- .020E  4      13.2  5.062 +/-  .450E -4 MN
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1294  1172*9604   67     3.610 +/- .028E  3       2.4  6.521 +/- 3.928E -4 TI
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         1868  1375*9434   50     1.304 +/- .010E  3       9.5  7.297 +/-  .844E -3 CA
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                           946   973*9704   76     8.824 +/- .067E  3       -.5 -5.904 +/- 9.164E -5  V
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         1839  1528*0394  148     1.604 +/- .012E  5       6.0  3.740 +/- 1.175E -5 ZN
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1359  1234*0284  136     1.163 +/- .009E  5       2.4  2.073 +/- 1.386E -5 CU
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2714  4235*8090  229     8.022 +/- .061E  4     -29.3 -3.658 +/-  .389E -4 PB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        14879  3232*8230  242     7.681 +/- .333E  5     224.7  2.926 +/-  .134E -4 RB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                         4405  2199*8390  259     9.808 +/- .198E  5      42.6  4.340 +/-  .268E -5 SR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1922 RB   .16500          0     0.           5976  2603*8535  273     1.373 +/- .028E  6      28.0  2.039 +/-  .209E -5  Y
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          364 SR   .16500          0 PB   .05500      11232  4769*8685  290     1.386 +/- .020E  6     117.7  8.491 +/-  .326E -5 ZR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          221  Y   .15200          0     0.           5057  3608*8865  306     1.940 +/- .028E  6      23.7  1.222 +/-  .159E -5 NB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          970 ZR   .15900          0     0.           6645  5896*9050  326     2.772 +/- .039E  6      -4.3 -1.537 +/- 1.487E -6 MO
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.24. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          532   524*0200  125     5.411 +/- .041E  4        .2   .285 +/- 1.828E -5 NI
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2398  1608*9365   43     4.011 +/- .031E  4      15.2  3.800 +/-  .468E -4  K
    FE PEAK IS AT CHANNEL  103.82 WITH HALFWIDTH OF  4.63.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 K  BUR-163  CP3 CERRO PUCARA, PUNO, SURFACE
GAMMA SPECTRUM-B 573050

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.15CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .81 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.46437 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.46437 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT             COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                           803881 148237  385  386     5.137 +/- .016E  5  615414.0    .120 +/- 3.495E  1
INCOH                                                      143937  48736*0412  415     1.526 +/- .012E  3    1546.9  1.014 +/-  .010E  0
COH                                                         14184   1823*0105  104     4.011 +/- .031E  4     200.9  5.008 +/-  .065E -3 FE
FE                                                           1059   1071*9784   84     1.965 +/- .015E  4      -.2  -.992 +/- 3.705E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120          0 CR   .11000     2187   1287*9874   94     2.599 +/- .020E  4      14.4  5.534 +/-  .408E -4 MN
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           1564   1342*9604   67     3.610 +/- .028E  3       3.6  9.993 +/- 3.579E -4 TI
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           2122   1552*9434   50     1.304 +/- .010E  3       9.3  7.105 +/-  .757E -3 CA
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            1086   1088*9704   76     8.824 +/- .067E  3      -.0  -.368 +/- 8.221E -5  V
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           2010   1671*0394  148     1.604 +/- .012E  5       5.5  3.433 +/- 1.034E -5 ZN
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                           1599   1512*0284  136     1.163 +/- .009E  5       1.4  1.215 +/- 1.283E -5 CU
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           3111   4857*8090  229     8.022 +/- .061E  4     -28.4 -3.537 +/-  .351E -4 PB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                          16977   3934*8230  242     7.681 +/- .333E  5     211.9  2.759 +/-  .126E -4 RB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                           5040   2295*8390  259     9.808 +/- .198E  5      44.6  4.548 +/-  .239E -5 SR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          2152 RB   .16500          0     0.            6997   2988*8535  273     1.373 +/- .028E  6      30.2  2.197 +/-  .191E -5  Y
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          453 SR   .16500          0 PB   .05500       12628   5542*8685  290     1.386 +/- .020E  6     107.8  7.778 +/-  .296E -5 ZR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          282  Y   .15200          0     0.            5882   4202*8865  306     1.940 +/- .028E  6      22.7  1.171 +/-  .145E -5 NB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1055 ZR   .15900          0     0.            7705   7209*9050  326     2.772 +/- .039E  6      -9.1 -3.275 +/- 1.374E -6 MO
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.13. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                            614    644*0200  125     5.411 +/- .041E  4       -.5  -.901 +/- 1.696E -5 NI
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            2886   1845*9365   43     4.011 +/- .031E  4      16.9  4.217 +/-  .423E -4  K
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.62.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 L  BUR-164  CP4 CERRO PUCARA, PUNO, SURFACE
GAMMA SPECTRUM-B 573052

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.47CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .69 0/0  EOB =     0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *325.52452 DAYS  COUNT TIME =      79.996 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.52452 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT            COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         698898 122368  385  387     5.137 +/- .016E  5  536300.0    .104 +/- 3.188E  1
INCOH                                                    125615  41015*0412  415     1.526 +/- .012E  3    1577.5  1.034 +/-  .011E  0
COH                                                       12199   1569*0105  104     4.011 +/- .031E  4     198.2  4.942 +/-  .068E -3 FE
FE                                                          927    956*9784   84     1.965 +/- .015E  4      -.5 -2.751 +/- 3.988E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        0 CR   .11000      1884   1106*9874   94     2.599 +/- .020E  4      14.3  5.490 +/-  .434E -4 MN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1309   1225*9604   67     3.610 +/- .028E  3       1.6  4.339 +/- 3.862E -4 TI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1804   1416*9434   50     1.304 +/- .010E  3       7.2  5.550 +/-  .812E -3 CA
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1018    990*9704   76     8.824 +/- .067E  3        .5  5.917 +/- 9.072E -5  V
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1844   1538*0394  148     1.604 +/- .012E  5       5.7  3.556 +/- 1.137E -5 ZN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1438   1316*0284  136     1.163 +/- .009E  5       2.3  1.956 +/- 1.383E -5 CU
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2768   4378*8090  229     8.022 +/- .061E  4     -30.0 -3.742 +/-  .382E -4 PB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      14781   3286*8230  242     7.681 +/- .333E  5     214.3  2.791 +/-  .128E -4 RB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                       4495   2170*8390  259     9.808 +/- .198E  5      43.4  4.420 +/-  .260E -5 SR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1897 RB   .16500        0     0.             6145   2740*8535  273     1.373 +/- .028E  6      28.1  2.048 +/-  .207E -5  Y
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          384 SR   .16500        0 PB   .05500      11215   4993*8685  290     1.386 +/- .020E  6     108.9  7.856 +/-  .318E -5 ZR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          229  Y   .15200        0     0.             5055   3789*8865  306     1.940 +/- .028E  6      19.3  9.964 +/- 1.568E -6 NB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          928 ZR   .15900        0     0.             6872   5939*9050  326     2.772 +/- .039E  6       .1   .032 +/- 1.438E -6 MO
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        592    520*0200  125     5.411 +/- .041E  4       1.3  2.481 +/- 1.781E -5 NI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2343   1705*9365   43     4.011 +/- .031E  4      11.9  2.966 +/-  .461E -4  K
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.66.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 M  BUR-165  CP5 CERRO PUCARA, PUNO, SURFACE
GAMMA SPECTRUM-B 573054

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.27CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .71 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.57661 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.57661 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT      COUNTS COUNTS PEAK PEAK  X                           EOB          ABUNDANCE
                                                   748814 129235  385  387     5.137 +/- .016E  5  579349.0    .113 +/- 3.281E  1
INCOH                                              133135  43717*0412  415     1.526 +/- .012E  3    1543.4  1.011 +/-  .010E  0
COH                                                 12647   1732*0105  104     4.011 +/- .031E  4     188.4  4.697 +/-  .065E -3 FE
FE                                                    981   1023*9784   84     1.965 +/- .015E  4       -.7 -3.689 +/- 3.828E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120          0 CR   .11000   2009   1249*9874   94     2.599 +/- .020E  4      12.9  4.960 +/-  .422E -4 MN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1365   1295*9604   67     3.610 +/- .028E  3       1.2  3.347 +/- 3.727E -4 TI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1957   1540*9434   50     1.304 +/- .010E  3       7.2  5.521 +/-  .784E -3 CA
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1054    991*9704   76     8.824 +/- .067E  3       1.1  1.232 +/-  .848E -4  V
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2052   1538*0394  148     1.604 +/- .012E  5       8.9  5.530 +/- 1.064E -5 ZN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1443   1418*0284  136     1.163 +/- .009E  5        .4   .371 +/- 1.315E -5 CU
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2819   4439*8090  228     8.022 +/- .061E  4     -28.0 -3.486 +/-  .356E -4 PB
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  15558   3585*8230  241     7.681 +/- .333E  5     206.7  2.691 +/-  .124E -4 RB
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   4779   2365*8390  258     9.808 +/- .198E  5      41.7  4.248 +/-  .250E -5 SR
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1976 RB   .16500          0     0.        6427   2789*8535  273     1.373 +/- .028E  6      28.7  2.090 +/-  .195E -5  Y
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          398 SR   .16500          0 PB   .05500  11642   5159*8685  290     1.386 +/- .020E  6     105.0  7.579 +/-  .301E -5 ZR
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          253  Y   .15200          0     0.        5461   3861*8865  306     1.940 +/- .028E  6      23.3  1.199 +/-  .148E -5 NB
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          967 ZR   .15900          0     0.        7229   6845*9050  325     2.772 +/- .039E  6     -10.1 -3.634 +/- 1.422E -6 MO
        PEAK IS AT CHANNEL  414.45 WITH HALFWIDTH OF  7.09. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    635    616*0200  125     5.411 +/- .041E  4       .3   .606 +/- 1.776E -5 NI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2590   1742*9365   43     4.011 +/- .031E  4      14.6  3.649 +/-  .433E -4  K
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.67.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 N  BUR-166  JCL JACHALACA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573056

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.12CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .78 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.63672 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.63672 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         746524 129126  385  387     5.137 +/- .016E  5  577168.0    .112 +/- 3.272E  1
INCOH                                                    133345  45310*0412  415     1.526 +/- .012E  3    1525.3  1.000 +/-  .011E -0
COH                                                       12870   1678*0105  104     4.011 +/- .031E  4     193.9  4.834 +/-  .065E -3 FE
FE                                                          979    999*9784   84     1.965 +/- .015E  4      -.3 -1.763 +/- 3.802E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120          0 CR   .11000     2018   1184*9874   94     2.599 +/- .020E  4      14.2  5.470 +/-  .418E -4 MN
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1454   1287*9604   67     3.610 +/- .028E  3       2.9  8.015 +/- 3.702E -4 TI
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1897   1452*9434   50     1.304 +/- .010E  3       7.7  5.914 +/-  .770E -3 CA
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1039   1072*9704   76     8.824 +/- .067E  3      -.6 -6.479 +/- 8.630E -5  V
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1948   1481*0394  148     1.604 +/- .012E  5       8.1  5.043 +/- 1.048E -5 ZN
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1481   1395*0284  136     1.163 +/- .009E  5       1.5  1.281 +/- 1.313E -5 CU
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2995   4576*8090  228     8.022 +/- .061E  4     -27.4 -3.415 +/-  .363E -4 PB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       15611   3655*8230  241     7.681 +/- .333E  5     207.1  2.697 +/-  .124E -4 RB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        4627   2181*8390  258     9.808 +/- .198E  5      42.4  4.321 +/-  .244E -5 SR
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1973 RB   .16500          0     0.          6270   2645*8535  273     1.373 +/- .028E  6      28.6  2.085 +/-  .192E -5  Y
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          404 SR   .16500          0 PB   .05500     11850   5106*8685  290     1.386 +/- .020E  6     109.9  7.927 +/-  .303E -5 ZR
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          251  Y   .15200          0     0.          5468   3954*8865  306     1.940 +/- .028E  6      21.9  1.128 +/-  .150E -5 NB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1008 ZR   .15900          0     0.          7368   6903*9050  325     2.772 +/- .039E  6      -9.4 -3.395 +/- 1.432E -6 MO
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  7.14. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         652    616*0200  125     5.411 +/- .041E  4       .6  1.153 +/- 1.787E -5 NI
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2626   1702*9365   43     4.011 +/- .031E  4      16.0  3.991 +/-  .433E -4  K
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.51.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 0  BUR-167  JC2 JACHALACA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573058

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.23CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .75 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.68883 DAYS  COUNT TIME =     79.995 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.68883 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT      COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   744690 127946  385  387    5.137 +/- .016E  5  576514.0    .112 +/- 3.262E  1
INCOH                                              132749  44539*0412  415    1.526 +/- .012E  3    1530.1  1.003 +/-  .011E  0
COH                                                 12473   1760*0105  104    4.011 +/- .031E  4     185.8  4.633 +/-  .064E -3 FE
FE                                                   1003   1041*9784   84    1.965 +/- .015E  4      -.7 -3.354 +/- 3.878E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120         0 CR   .11000     1929   1255*9874   94    2.599 +/- .020E  4      11.5  4.412 +/-  .419E -4 MN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1373   1325*9604   67    3.610 +/- .028E  3       .8  2.306 +/- 3.761E -4 TI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1837   1524*9434   50    1.304 +/- .010E  3       5.4  4.165 +/-  .772E -3 CA
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1064   1019*9704   76    8.824 +/- .067E  3       .8  8.846 +/- 8.598E -5  V
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1983   1488*0394  148    1.604 +/- .012E  5       8.6  5.352 +/- 1.051E -5 ZN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1490   1394*0284  136    1.163 +/- .009E  5       1.7  1.432 +/- 1.316E -5 CU
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2928   4637*8090  228    8.022 +/- .061E  4     -29.6 -3.695 +/-  .366E -4 PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  15441   3660*8230  241    7.681 +/- .333E  5     204.3  2.661 +/-  .123E -4 RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   4867   2421*8390  258    9.808 +/- .198E  5      42.4  4.326 +/-  .254E -5 SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1944 RB   .16500         0     0.           6348   2919*8535  273    1.373 +/- .028E  6      25.8  1.876 +/-  .197E -5  Y
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         404 SR   .16500         0 PB   .05500      11475   5156*8685  290    1.386 +/- .020E  6     102.6  7.404 +/-  .301E -5 ZR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         226  Y   .15200         0     0.           5480   3718*8865  306    1.940 +/- .028E  6      26.6  1.373 +/-  .147E -5 NB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         941 ZR   .15900         0     0.           7247   6502*9050  325    2.772 +/- .039E  6      -3.4 -1.224 +/- 1.397E -6 MO
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.15. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    621    684*0200  125    5.411 +/- .041E  4      -1.1 -2.020 +/- 1.857E -5 NI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2441   1804*9365   43    4.011 +/- .031E  4      11.0  2.755 +/-  .438E -4  K
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.66.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 P  BUR-168  JC3 JACHALACA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573060

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.30CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .59 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.74494 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43325.74494 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   587880 105172  385  387     5.137 +/- .016E  5  442478.0    .086 +/- 2.945E  1
INCOH                                              104296  34054*0412  415     1.526 +/- .012E  3    1587.5  1.040 +/-  .011E  0
COH                                                  9748   1400*0105  104     4.011 +/- .031E  4     188.7  4.704 +/-  .072E -3 FE
FE                                                    806    833*9784   84     1.965 +/- .015E  4       -.6 -3.105 +/- 4.518E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120          0 CR   .11000   1507    979*9874   94     2.599 +/- .020E  4      11.7  4.504 +/-  .481E -4 MN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1182   1087*9604   67     3.610 +/- .028E  3       2.1  5.947 +/- 4.447E -4 TI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1589   1244*9434   50     1.304 +/- .010E  3       7.8  5.981 +/-  .923E -3 CA
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     889    802*9704   76     8.824 +/- .067E  3       2.0  2.228 +/- 1.011E -4  V
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1540   1254*0394  148     1.604 +/- .012E  5       6.5  4.029 +/- 1.250E -5 ZN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1182   1184*0284  136     1.163 +/- .009E  5       -.0  -.039 +/- 1.571E -5 CU
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2313   3823*8090  229     8.022 +/- .061E  4     -34.1 -4.254 +/-  .432E -4 PB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  12105   2813*8230  242     7.681 +/- .333E  5     210.0  2.734 +/-  .128E -4 RB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   3726   1739*8390  259     9.808 +/- .198E  5      44.9  4.579 +/-  .281E -5 SR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1533 RB   .16500          0      0.       5071   2298*8535  273     1.373 +/- .028E  6      28.0  2.041 +/-  .228E -5  Y
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         328 SR   .16500          0 PB   .05500   9247   3955*8685  290     1.386 +/- .020E  6     112.2  8.096 +/-  .343E -5 ZR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         188  Y   .15200          0      0.       4333   3036*8865  306     1.940 +/- .028E  6      25.1  1.291 +/-  .172E -5 NB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         789 ZR   .15900          0      0.       5639   5215*9050  326     2.772 +/- .039E  6      -8.3 -2.979 +/- 1.635E -6 MO
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.17. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    495    564*0200  125     5.411 +/- .041E  4      -1.6 -2.882 +/- 2.191E -5 NI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2104   1545*9365   43     4.011 +/- .031E  4      12.6  3.150 +/-  .528E -4  K
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.62.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 Q  BUR-169  JC4 JACHALACA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573061

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.43CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .75 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *325.80496 DAYS  COUNT TIME =      79.996 MIN  C/SEC BEG. =      0  C/SEC END =     0
START TIME = 43325.80496 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   747725 131196  385  387     5.137 +/- .016E  5  576299.0    .112 +/- 3.297E  1
INCOH                                              134642  45421*0412  415     1.526 +/- .012E  3    1548.2  1.015 +/-  .011E  0
COH                                                 12853   1662*0105  104     4.011 +/- .031E  4     194.2  4.841 +/-  .065E -3 FE
FE                                                    967   1016*9784   84     1.965 +/- .015E  4      -.9 -4.326 +/- 3.805E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120          0 CR   .11000    1956   1164*9874   94     2.599 +/- .020E  4      13.5  5.198 +/-  .412E -4 MN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1386   1408*9604   67     3.610 +/- .028E  3      -.4 -1.057 +/- 3.839E -4 TI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1975   1604*9434   50     1.304 +/- .010E  3      6.4  4.938 +/-  .796E -3 CA
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1090   1068*9704   76     8.824 +/- .067E  3       .4  4.326 +/- 8.749E -5  V
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1951   1540*0394  148     1.604 +/- .012E  5      7.1  4.445 +/- 1.067E -5 ZN
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1529   1323*0284  136     1.163 +/- .009E  5      3.6  3.073 +/- 1.297E -5 CU
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2905   4554*8090  228     8.022 +/- .061E  4    -28.6 -3.567 +/-  .363E -4 PB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  15843   3700*8230  241     7.681 +/- .333E  5     210.7  2.743 +/-  .126E -4 RB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   4797   2551*8390  258     9.808 +/- .198E  5      39.0  3.974 +/-  .257E -5 SR
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y            2004 RB   .16500          0     0.       6338   2947*8535  273     1.373 +/- .028E  6      24.1  1.753 +/-  .198E -5  Y
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR            371 SR   .16500          0 PB   .05500   11763   5232*8685  290     1.386 +/- .020E  6     106.9  7.714 +/-  .304E -5 ZR
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB            211  Y   .15200          0     0.       5631   3883*8865  306     1.940 +/- .028E  6      26.7  1.375 +/-  .150E -5 NB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO            980 ZR   .15900          0     0.       7308   6684*9050  325     2.772 +/- .039E  6      -6.2 -2.226 +/- 1.414E -6 MO
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.07. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    631    544*0200  125     5.411 +/- .041E  4       1.5  2.790 +/- 1.699E -5 NI
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2624   1859*9365   43     4.011 +/- .031E  4      13.3  3.309 +/-  .446E -4  K
    FE PEAK IS AT CHANNEL  103.74 WITH HALFWIDTH OF  4.45.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 R  BUR-170  JC5 JACHALACA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573063

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.54CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .70 0/0  EOB =     0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *325.85708 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.85708 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         690411 121321  385  387     5.137 +/- .016E  5  528860.0    .103 +/- 3.168E  1
INCOH                                                    124503  40353*0412  414     1.526 +/- .012E  3    1591.2  1.043 +/-  .011E  0
COH                                                       11916   1579*0105  104     4.011 +/- .031E  4     195.5  4.873 +/-  .068E -3 FE
FE                                                          911    972*9784   84     1.965 +/- .015E  4      -1.2 -5.869 +/- 4.038E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .J0120        0 CR   .11000      1759   1108*9874   94     2.599 +/- .020E  4      12.1  4.646 +/-  .432E -4 MN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1347   1124*9604   67     3.610 +/- .028E  3       4.2  1.168 +/-  .379E -3 TI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1806   1387*9434   50     1.304 +/- .010E  3       7.9  6.078 +/-  .820E -3 CA
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1003    977*9704   76     8.824 +/- .067E  3        .5  5.571 +/- 9.134E -5  V
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1816   1581*0394  148     1.604 +/- .012E  5       4.4  2.770 +/- 1.165E -5 ZN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1396   1363*0284  136     1.163 +/- .009E  5        .6   .536 +/- 1.417E -5 CU
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2730   4395*8090  228     8.022 +/- .061E  4     -31.5 -3.925 +/-  .388E -4 PB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      14682   3580*8230  241     7.681 +/- .333E  5     209.9  2.733 +/-  .127E -4 RB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                       4431   2200*8390  258     9.808 +/- .198E  5      42.2  4.301 +/-  .263E -5 SR
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1832 RB   .16500        0     0.            5934   2812*8535  273     1.373 +/- .028E  6      24.4  1.777 +/-  .210E -5  Y
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          368 SR   .16500        0 PB   .05500      10798   4499*8685  290     1.386 +/- .020E  6     112.1  8.092 +/-  .311E -5 ZR
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          196  Y   .15200        0     0.            4943   3410*8865  306     1.940 +/- .028E  6      25.3  1.303 +/-  .153E -5 NB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          943 ZR   .15900        0     0.            6716   6123*9050  325     2.772 +/- .039E  6      -6.6 -2.388 +/- 1.475E -6 MO
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.45. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        617    564*0200  125     5.411 +/- .041E  4       1.0  1.852 +/- 1.873E -5 NI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2365   1545*9365   43     4.011 +/- .031E  4      15.5  3.866 +/-  .448E -4  K
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.80.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 S  BUR-171  QKL QUELKATA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573065

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.82CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .79 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.91716 DAYS  COUNT TIME =      79.993 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43325.91716 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT        COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         781257 139790  385  386     5.137 +/- .016E  5  601237.0   .117 +/- 3.403E  1
INCOH                                                    138207  46882*0412  415     1.526 +/- .012E  3    1519.0   .995 +/-  .010E -0
COH                                                       13403   1763*0105  104     4.011 +/- .031E  4     193.6  4.827 +/-  .065E -3 FE
FE                                                         1042   1032*9784   84     1.965 +/- .015E  4        .2   .846 +/- 3.743E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120          1 CR   .11000     2058   1230*9874   94     2.599 +/- .020E  4       13.5  5.202 +/-  .407E -4 MN
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1394   1295*9604   67     3.610 +/- .028E  3        1.6  4.561 +/- 3.561E -4 TI
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         2030   1597*9434   50     1.304 +/- .010E  3        7.2  5.525 +/-  .768E -3 CA
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1093   1041*9704   76     8.824 +/- .067E  3        .9  9.801 +/- 8.346E -5  V
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         2002   1707*0394  148     1.604 +/- .012E  5        4.9  3.058 +/- 1.066E -5 ZN
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1509   1458*0284  136     1.163 +/- .009E  5        .8   .729 +/- 1.289E -5 CU
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2992   4703*8090  228     8.022 +/- .061E  4      -28.5 -3.547 +/-  .353E -4 PB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        16061   3822*8230  241     7.681 +/- .333E  5      203.6  2.650 +/-  .122E -4 RB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                         4798   2463*8390  258     9.808 +/- .198E  5       38.8  3.960 +/-  .243E -5 SR
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          2019 RB   .16500          0     0.           6547   2879*8535  273     1.373 +/- .028E  6       27.4  1.997 +/-  .190E -5  Y
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          385 SR   .16500          0 PB   .05500      12297   5074*8685  290     1.386 +/- .020E  6      113.7  8.207 +/-  .295E -5 ZR
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          251  Y   .15200          0     0.           5754   3976*8865  306     1.940 +/- .028E  6       25.4  1.309 +/-  .145E -5 NB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1087 ZR   .15900          0     0.           7567   6920*9050  325     2.772 +/- .039E  6       -7.3 -2.642 +/- 1.384E -6 MO
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.08. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          662    712*0200  125     5.411 +/- .041E  4       -.8 -1.537 +/- 1.821E -5 NI
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2712   1787*9365   43     4.011 +/- .031E  4       15.4  3.836 +/-  .426E -4  K
    FE PEAK IS AT CHANNEL  103.71 WITH HALFWIDTH OF  4.47.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 T  BUR-172  QK2 QUELKATA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573067

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.21CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .79 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *325.96929 DAYS  COUNT TIME =      79.993 MIN  C/SEC BEG. =      0  C/SEC END =     0
START TIME = 43325.96929 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT     COUNTS EL     MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                           777706 140844  385  386     5.137 +/- .016E  5  596632.0    .116 +/- 3.412E  1
INCOH
                                                           138545  47852*0412  415     1.526 +/- .012E  3    1520.1    .996 +/-  .010E -0
COH
                                                            13387   1793*0105  104     4.011 +/- .031E  4     194.3   4.845 +/-  .065E -3 FE
FE
                                                             1062   1045*9784   84     1.965 +/- .015E  4        .3   1.450 +/- 3.801E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
                14 FE   .00120          2 CR   .11000     2042   1268*9874   94     2.599 +/- .020E  4      12.7   4.889 +/-  .413E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                             1460   1253*9604   67     3.610 +/- .028E  3       3.5   9.611 +/- 3.565E -4 TI
TI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                             2029   1516*9434   50     1.304 +/- .010E  3       8.6   6.596 +/-  .767E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                             1145   1070*9704   76     8.824 +/- .067E  3       1.3   1.425 +/-  .857E -4  V
V
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                             1988   1582*0394  148     1.604 +/- .012E  5       6.8   4.241 +/- 1.043E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                             1520   1407*0284  136     1.163 +/- .009E  5       1.9   1.628 +/- 1.282E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                             3008   4626*8090  228     8.022 +/- .061E  4     -27.1  -3.381 +/-  .353E -4 PB
PB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                            16221   3776*8230  241     7.681 +/- .333E  5     208.6   2.716 +/-  .125E -4 RB
RB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                             4802   2605*8390  258     9.808 +/- .198E  5      36.8   3.754 +/-  .249E -5 SR
SR
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                2053 RB   .16500          0      0.         6536   2896*8535  273     1.373 +/- .028E  6      26.6   1.937 +/-  .191E -5  Y
Y
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                 363 SR   .16500          0 PB   .05500    12080   5344*8685  290     1.386 +/- .020E  6     106.8   7.708 +/-  .298E -5 ZR
ZR
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                 241  Y   .15200          0      0.         5568   3998*8865  306     1.940 +/- .028E  6      22.3   1.148 +/-  .146E -5 NB
NB
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                1013 ZR   .15900          0      0.         7562   6951*9050  325     2.772 +/- .039E  6      -6.7  -2.433 +/- 1.394E -6 MO
MO
        PEAK IS AT CHANNEL  414.44 WITH HALFWIDTH OF  6.92. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                              686    628*0200  125     5.411 +/- .041E  4       1.0   1.797 +/- 1.752E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                             2647   1771*9365   43     4.011 +/- .031E  4      14.7   3.661 +/-  .425E -4  K
K
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.69.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 U  BUR-173  QK3 QUELKATA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573070

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.83CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .70 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.02542 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.02542 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   738823 136329  385  386    5.137 +/- .016E  5  562264.0    .109 +/- 3.354E  1
INCOH                                              130301  45294*0412  415    1.526 +/- .012E  3    1511.9    .991 +/-  .011E -0
COH                                                 12578   1615*0105  103    4.011 +/- .031E  4     195.0   4.861 +/-  .066E -3 FE
FE                                                   1009    998*9784   84    1.965 +/- .015E  4        .2    .995 +/- 3.929E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        1 CR   .11000     1916   1140*9874   94    2.599 +/- .020E  4       13.5   5.212 +/-  .420E -4 MN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1453   1291*9604   67    3.610 +/- .028E  3        2.9   7.981 +/- 3.821E -4 TI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1913   1508*9434   50    1.304 +/- .010E  3        7.2   5.526 +/-  .798E -3 CA
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1032   1048*9704   76    8.824 +/- .067E  3       -.3  -3.225 +/- 8.798E -5  V
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1974   1478*0394  148    1.604 +/- .012E  5        8.8   5.498 +/- 1.076E -5 ZN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1468   1296*0284  136    1.163 +/- .009E  5        3.1   2.630 +/- 1.311E -5 CU
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2844   4340*8090  228    8.022 +/- .061E  4      -26.6  -3.317 +/-  .363E -4 PB
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  15467   3552*8230  241    7.681 +/- .333E  5      211.9   2.759 +/-  .127E -4 RB
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   4470   2431*8390  258    9.808 +/- .198E  5       36.3   3.697 +/-  .254E -5 SR
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1966 RB   .16500        0     0.           6273   2748*8535  273    1.373 +/- .028E  6       27.7   2.019 +/-  .198E -5  Y
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         336 SR   .16500        0 PB   .05500      11335   5046*8685  290    1.386 +/- .020E  6      105.9   7.639 +/-  .306E -5 ZR
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         237  Y   .15200        0     0.           5319   3712*8865  306    1.940 +/- .028E  6       24.4   1.256 +/-  .150E -5 NB
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         946 ZR   .15900        0     0.           7034   6208*9050  325    2.772 +/- .039E  6       -2.1   -.773 +/- 1.400E -6 MO
        PEAK IS AT CHANNEL  414.41 WITH HALFWIDTH OF  7.14. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    638    584*0200  125    5.411 +/- .041E  4        1.0   1.775 +/- 1.793E -5 NI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2598   1741*9365   43    4.011 +/- .031E  4       15.2   3.800 +/-  .447E -4  K
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  5.03.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 V  BUR-174  QK4 QUELKATA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573072

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.89CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .61 O/O  EOB =     0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.08552 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.08552 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   632485 112564  385  387     5.137 +/- .016E  5  479691.0    .093 +/- 3.045E  1
INCOH                                              112768  35845*0412  414     1.526 +/- .012E  3    1603.6  1.051 +/-  .011E  0
COH                                                 10343   1474*0105  104     4.011 +/- .031E  4     184.9  4.610 +/-  .069E -3 FE
FE                                                    831    868*9784   84     1.965 +/- .015E  4      -.8 -3.925 +/- 4.243E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          11 FE   .00120        0 CR   .11000      1726   1049*9874   94     2.599 +/- .020E  4      13.9  5.345 +/-  .468E -4 MN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1230   1106*9604   67     3.610 +/- .028E  3       2.6  7.161 +/- 4.127E -4 TI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1754   1273*9434   50     1.304 +/- .010E  3      10.0  7.692 +/-  .881E -3 CA
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     910    878*9704   76     8.824 +/- .067E  3        .7  7.560 +/- 9.573E -5  V
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1609   1379*0394  148     1.604 +/- .012E  5       4.8  2.988 +/- 1.203E -5 ZN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1234   1144*0284  136     1.163 +/- .009E  5       1.9  1.613 +/- 1.439E -5 CU
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2489   3779*8090  228     8.022 +/- .061E  4     -26.9 -3.352 +/-  .397E -4 PB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  13027   3135*8230  241     7.681 +/- .333E  5     206.2  2.685 +/-  .125E -4 RB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   4028   1946*8390  258     9.808 +/- .198E  5      43.4  4.425 +/-  .273E -5 SR
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1632 RB   .16500        0     0.           5428   2298*8535  273     1.373 +/- .028E  6      31.2  2.274 +/-  .214E -5  Y
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          344 SR   .16500        0 PB   .05500      9982   4295*8685  290     1.386 +/- .020E  6     111.4  8.038 +/-  .330E -5 ZR
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          228  Y   .15200        0     0.           4642   3327*8865  306     1.940 +/- .028E  6      22.7  1.168 +/-  .165E -5 NB
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          850 ZR   .15900        0     0.           6007   5440*9050  325     2.772 +/- .039E  6      -5.9 -2.126 +/- 1.535E -6 MO
        PEAK IS AT CHANNEL  414.32 WITH HALFWIDTH OF  7.55. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    581    504*0200  125     5.411 +/- .041E  4       1.6  2.967 +/- 1.964E -5 NI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2062   1582*9365   43     4.011 +/- .031E  4      10.0  2.495 +/-  .493E -4  K
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.68.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 W  BUR-175  QK5 QUELKATA, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573074

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.95CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .68 0/0  EOB =      0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *326.13757 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0.
START TIME = 43326.13757 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT       COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                     650125 113830  385  387     5.137 +/- .016E  5  496065.0    .097 +/- 3.069E  1
INCOH                                                116925  39180*0412  415     1.526 +/- .012E  3    1567.2  1.027 +/-  .011E  0
COH                                                   11150   1462*0105  104     4.011 +/- .031E  4     195.3  4.869 +/-  .069E -3 FE
FE                                                      869    881*9784   84     1.965 +/- .015E  4      -.2 -1.231 +/- 4.160E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .J0120        0 CR   .11000      1839   1022*9874   94     2.599 +/- .020E  4      16.2  6.246 +/-  .458E -4 MN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                    1236   1099*9604   67     3.610 +/- .028E  3       2.8  7.650 +/- 3.980E -4 TI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                    1726   1345*9434   50     1.304 +/- .010E  3       7.7  5.892 +/-  .857E -3 CA
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                      905    918*9704   76     8.824 +/- .067E  3      -.3 -2.970 +/- 9.336E -5  V
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                    1676   1321*0394  148     1.604 +/- .012E  5       7.2  4.460 +/- 1.143E -5 ZN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                    1305   1138*0284  136     1.163 +/- .009E  5       3.4  2.894 +/- 1.394E -5 CU
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                    2512   3982*8090  228     8.022 +/- .061E  4     -29.6 -3.694 +/-  .394E -4 PB
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   13731   3329*8230  241     7.681 +/- .333E  5     209.7  2.730 +/-  .127E -4 RB
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                    4141   2273*8390  258     9.808 +/- .198E  5      37.7  3.839 +/-  .277E -5 SR
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1716 RB   .16500        0     0.           5644   2595*8535  273     1.373 +/- .028E  6      26.9  1.956 +/-  .216E -5  Y
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         308 SR   .16500        0 PB   .05500      10306   4406*8685  290     1.386 +/- .020E  6     112.7  8.134 +/-  .325E -5 ZR
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         203  Y   .15200        0     0.           4840   3410*8865  306     1.940 +/- .028E  6      24.7  1.275 +/-  .162E -5 NB
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         889 ZR   .15900        0     0.           6215   5752*9050  325     2.772 +/- .039E  6      -8.6 -3.099 +/- 1.527E -6 MO
        PEAK IS AT CHANNEL  414.36 WITH HALFWIDTH OF  7.28. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                     568    504*0200  125     5.411 +/- .041E  4       1.3  2.384 +/- 1.894E -5 NI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                     2327   1498*9365   43     4.011 +/- .031E  4      16.7  4.166 +/-  .473E -4  K
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.72.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 X  BUR-176  HRI HUILLCA RACCAY, CUZCO, KENDALLEXC, L9
GAMMA SPECTRUM-B 573076

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.38CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .67 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.19763 DAYS  COUNT TIME =      79.993 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.19763 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   647283 112697  385  387     5.137 +/- .016E  5  494356.0    .096 +/- 3.058E  1
INCOH                                              116964  38690*0412  415     1.526 +/- .012E  3    1583.4  1.038 +/-  .011E  0
COH                                                 11996   1511*0105  104     4.011 +/- .031E  4     212.1  5.288 +/-  .073E -3 FE
FE                                                    893    867*9784   84     1.965 +/- .015E  4        .5  2.676 +/- 4.200E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
          13 FE   .00120          3 CR   .11000      1514   1049*9874   94     2.599 +/- .020E  4       9.1  3.499 +/-  .439E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                      1383   1104*9604   67     3.610 +/- .028E  3       5.6  1.563 +/-  .408E -3 TI
TI
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                      1773   1348*9434   50     1.304 +/- .010E  3       8.6  6.595 +/-  .867E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                       909    950*9704   76     8.824 +/- .067E  3      -.8 -9.399 +/- 9.454E -5  V
V
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                      1778   1308*0394  148     1.604 +/- .012E  5       9.5  5.926 +/- 1.151E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                      1357   1161*0284  136     1.163 +/- .009E  5       4.0  3.408 +/- 1.414E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                      2218   2882*8090  229     8.022 +/- .061E  4     -13.4 -1.674 +/-  .339E -4 PB
PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                      8004   2068*8230  242     7.681 +/- .333E  5     120.1  1.563 +/-  .076E -4 RB
RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                      6086   2034*8390  259     9.808 +/- .198E  5      82.0  8.357 +/-  .319E -5 SR
SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                                                      3897   2353*8535  273     1.373 +/- .028E  6      11.4  8.317 +/- 1.954E -6  Y
Y          979 RB   .16500          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                                                     11799   3921*8685  290     1.386 +/- .020E  6     145.8  1.052 +/-  .033E -4 ZR
ZR         669 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                                                      3859   2987*8865  306     1.940 +/- .028E  6      15.9  8.197 +/- 1.504E -6 NB
NB          86  Y   .15200          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                                                      6417   5512*9050  326     2.772 +/- .039E  6      -4.9 -1.761 +/- 1.503E -6 MO
MO        1146 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.25. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                       538    540*0200  125     5.411 +/- .041E  4       -.0  -.075 +/- 1.942E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                      2171   1645*9365   43     4.011 +/- .031E  4      10.6  2.653 +/-  .487E -4  K
K
    FE PEAK IS AT CHANNEL  103.84 WITH HALFWIDTH OF  4.64.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 Y  BUR-177  HR2 HUILLCA RACCAY, CUZCO, KENDALLEXC, L6
GAMMA SPECTRUM-B 573078

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.47CHANNELS
STD NUMBER 1                    -573030 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .66 O/O  EOB =      0.       MJD
IRRADIATION TIME =    0.    MIN  DECAY TIME = *326.24968 DAYS  COUNT TIME =      79.993 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.24968 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT  COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   675888 121551  385  387     5.137 +/- .016E  5  514107.0    .100 +/- 3.166E  1
INCOH                                              122169  40864*0412  415     1.526 +/- .012E  3    1581.5  1.036 +/-  .011E  0
COH                                                 12595   1514*0105  104     4.011 +/- .031E  4     215.5  5.374 +/-  .072E -3 FE
FE                                                    873    915*9784   84     1.965 +/- .015E  4       -.8 -4.157 +/- 4.053E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120          0 CR   .11000   1599   1073*9874   94     2.599 +/- .020E  4      10.0  3.837 +/-  .430E -4 MN
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1443   1214*9604   67     3.610 +/- .028E  3       4.5  1.234 +/-  .406E -3 TI
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1792   1401*9434   50     1.304 +/- .010E  3       7.6  5.834 +/-  .844E -3 CA
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1065   1018*9704   76     8.824 +/- .067E  3        .9  1.036 +/-  .964E -4  V
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1790   1504*0394  148     1.604 +/- .012E  5       5.6  3.467 +/- 1.171E -5 ZN
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1309   1273*0284  136     1.163 +/- .009E  5        .7   .602 +/- 1.407E -5 CU
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2219   2717*8090  228     8.022 +/- .061E  4      -9.7 -1.208 +/-  .318E -4 PB
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   8470   2406*8230  241     7.681 +/- .333E  5     118.0  1.536 +/-  .076E -4 RB
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   6340   2356*8390  258     9.808 +/- .198E  5      77.5  7.901 +/-  .318E -5 SR
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1001 RB   .16500          0      0.      4250   2443*8535  273     1.373 +/- .028E  6      15.7  1.142 +/-  .194E -5  Y
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          657 SR   .16500          0 PB   .05500  12258   4441*8685  290     1.386 +/- .020E  6     139.3  1.005 +/-  .033E -4 ZR
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          123  Y   .15200          0      0.      4008   3234*8865  306     1.940 +/- .028E  6      12.7  6.531 +/- 1.497E -6 NB
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1138 ZR   .15900          0      0.      6688   5692*9050  325     2.772 +/- .039E  6      -2.8  -.999 +/- 1.468E -6 MO
        PEAK IS AT CHANNEL  414.48 WITH HALFWIDTH OF  7.27. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    599    612*0200  125     5.411 +/- .041E  4       -.3  -.467 +/- 1.984E -5 NI
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2272   1591*9365   43     4.011 +/- .031E  4      13.2  3.302 +/-  .463E -4  K
    FE PEAK IS AT CHANNEL  103.83 WITH HALFWIDTH OF  4.66.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 Z  BUR-178  HTL HUILTOCCO, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573030

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.00CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .73 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *326.30575 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.30575 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 1/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         698933 125658  385  386     5.137 +/- .016E  5  533045.0    .104 +/- 3.227E  1
INCOH                                                    122085  42383*0412  415     1.526 +/- .012E  3    1495.2    .980 +/-  .011E -0
COH                                                       11289   1620*0105  104     4.011 +/- .031E  4     181.4   4.522 +/-  .065E -3 FE
FE                                                          953    979*9784   84     1.965 +/- .015E  4      -.5  -2.482 +/- 4.077E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120        0 CR   .11000      1891   1168*9874   94     2.599 +/- .020E  4      13.3   5.135 +/-  .444E -4 MN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1275   1244*9604   67     3.610 +/- .028E  3       .6   1.611 +/- 3.914E -4 TI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1787   1408*9434   50     1.304 +/- .010E  3       7.1   5.454 +/-  .814E -3 CA
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          947    957*9704   76     8.824 +/- .067E  3      -.2  -2.126 +/- 8.881E -5  V
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1880   1446*0394  148     1.604 +/- .012E  5       8.1   5.075 +/- 1.121E -5 ZN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1356   1343*0284  136     1.163 +/- .009E  5        .2    .210 +/- 1.393E -5 CU
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2719   4296*8090  229     8.022 +/- .061E  4     -29.6  -3.688 +/-  .381E -4 PB
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       13800   3354*8230  242     7.681 +/- .333E  5     196.0   2.551 +/-  .119E -4 RB
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        4230   2138*8390  259     9.808 +/- .198E  5      39.2   4.001 +/-  .255E -5 SR
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1724 RB   .16500        0     0.           5721   2505*8535  273     1.373 +/- .028E  6      28.0   2.039 +/-  .200E -5  Y
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          345 SR   .16500        0 PB   .05500      10667   4633*8685  290     1.386 +/- .020E  6     106.7   7.701 +/-  .310E -5 ZR
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          227  Y   .15200        0     0.           5123   3454*8865  306     1.940 +/- .028E  6      27.1   1.394 +/-  .153E -5 NB
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          905 ZR   .15900        0     0.           6689   6273*9050  326     2.772 +/- .039E  6      -9.2  -3.307 +/- 1.481E -6 MO
        PEAK IS AT CHANNEL  414.54 WITH HALFWIDTH OF  7.01. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         622    620*0200  125     5.411 +/- .041E  4       .0    .069 +/- 1.931E -5 NI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2296   1697*9365   43     4.011 +/- .031E  4      11.2   2.802 +/-  .459E -4  K
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.70.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 1  BUR-179  HT2 HUILTOCCO, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573082

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.86CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .75 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *326.36584 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.36584 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
INCOH                                                   731450 137157  385  385     5.137 +/- .016E  5  554063.0    .108 +/- 3.367E  1
COH                                                     127510  44344*0412  415     1.526 +/- .012E  3    1501.0    .984 +/-  .011E -0
FE                                                       12459   1576*0105  104     4.011 +/- .031E  4     196.4   4.897 +/-  .067E -3 FE
CR                                                        1006    909*9784   84     1.965 +/- .015E  4       1.8   8.908 +/- 3.912E -5 CR
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        11 CR   .11000      1858   1102*9874   94     2.599 +/- .020E  4      13.2   5.085 +/-  .419E -4 MN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1351   1282*9604   67     3.610 +/- .028E  3       1.2   3.450 +/- 3.878E -4 TI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1952   1559*9434   50     1.304 +/- .010E  3       7.1   5.441 +/-  .821E -3 CA
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1031    982*9704   76     8.824 +/- .067E  3        .9   1.002 +/-  .880E -4  V
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1860   1476*0394  148     1.604 +/- .012E  5       6.9   4.320 +/- 1.088E -5 ZN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1453   1388*0284  136     1.163 +/- .009E  5       1.2   1.009 +/- 1.367E -5 CU
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2925   4323*8090  229     8.022 +/- .061E  4     -25.2  -3.145 +/-  .368E -4 PB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      14910   3626*8230  242     7.681 +/- .333E  5     203.7   2.652 +/-  .123E -4 RB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                       4446   2119*8390  259     9.808 +/- .198E  5      42.0   4.282 +/-  .249E -5 SR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1862 RB   .16500         0     0.            5928   2703*8535  273     1.373 +/- .028E  6      24.6   1.792 +/-  .198E -5  Y
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          384 SR   .16500         0 PB   .05500      11208   4920*8685  290     1.386 +/- .020E  6     106.6   7.689 +/-  .307E -5 ZR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          207  Y   .15200         0     0.            5301   3789*8865  306     1.940 +/- .028E  6      23.5   1.214 +/-  .153E -5 NB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          939 ZR   .15900         0     0.            7280   6364*9050  326     2.772 +/- .039E  6       -.4  -.148 +/- 1.436E -6 MO
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.04. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        635    604*0200  125     5.411 +/- .041E  4        .6   1.034 +/- 1.842E -5 NI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2417   1757*9365   43     4.011 +/- .031E  4      11.9   2.970 +/-  .450E -4  K
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.60.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 2  BUR-180  HT3 HUILTOCCO, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573084

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.22CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .78 0/0  EOB =      0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *326.41794 DAYS  COUNT TIME =      79.997 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.41794 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT        COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         753090 129925  385  387     5.137 +/- .016E  5  582935.0    .113 +/- 3.286E  1
INCOH                                                    132802  45300*0412  415     1.526 +/- .012E  3    1501.1    .984 +/-  .010E -0
COH                                                       12929   1761*0105  104     4.011 +/- .031E  4     191.6   4.776 +/-  .065E -3 FE
FE                                                         1017   1019*9784   84     1.965 +/- .015E  4      -.0   -.175 +/- 3.834E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        0 CR   .11000        1963   1259*9874   94     2.599 +/- .020E  4      11.8   4.558 +/-  .417E -4 MN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1412   1381*9604   67     3.610 +/- .028E  3       .5   1.473 +/- 3.771E -4 TI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         1949   1543*9434   50     1.304 +/- .010E  3       7.0   5.343 +/-  .778E -3 CA
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1027   1035*9704   76     8.824 +/- .067E  3      -.1  -1.555 +/- 8.450E -5  V
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         1948   1508*0394  148     1.604 +/- .012E  5       7.5   4.705 +/- 1.045E -5 ZN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1516   1444*0284  136     1.163 +/- .009E  5       1.2   1.062 +/- 1.321E -5 CU
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2813   4444*8090  229     8.022 +/- .061E  4     -28.0  -3.488 +/-  .354E -4 PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        15453   3500*8230  242     7.681 +/- .333E  5     205.0   2.670 +/-  .123E -4 RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                         4698   2479*8390  259     9.808 +/- .198E  5      38.1   3.881 +/-  .250E -5 SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1972 RB   .16500        0     0.                6355   2832*8535  273     1.373 +/- .028E  6      26.6   1.937 +/-  .193E -5  Y
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         366 SR   .16500        0 PB   .05500           12169   5148*8685  290     1.386 +/- .020E  6     114.2   8.238 +/-  .304E -5 ZR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         236  Y   .15200        0     0.                5381   3619*8865  306     1.940 +/- .028E  6      26.2   1.350 +/-  .143E -5 NB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1058 ZR   .15900        0     0.                7299   6736*9050  326     2.772 +/- .039E  6      -8.5  -3.064 +/- 1.406E -6 MO
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.17. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          674    624*0200  125     5.411 +/- .041E  4       .9   1.585 +/- 1.785E -5 NI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2522   1902*9365   43     4.011 +/- .031E  4      10.6   2.652 +/-  .444E -4  K
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.72.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 3  BUR-181  HT4 HUILTOCCO, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573086

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.38CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .71 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *326.47406 DAYS  COUNT TIME =     79.995 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.47406 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT     COUNTS EL    MULT        COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                       683812 121198  385  387     5.137 +/- .016E  5  522384.0    .102 +/- 3.170E  1
INCOH                                                  121532  41010*0412  414     1.526 +/- .012E  3    1541.4  1.010 +/-  .011E  0
COH                                                     11497   1563*0105  104     4.011 +/- .031E  4     190.2  4.741 +/-  .067E -3 FE
FE                                                        915    916*9784   84     1.965 +/- .015E  4      -.0  -.097 +/- 4.051E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120        0 CR   .11000      1841   1110*9874   94     2.599 +/- .020E  4      13.8  5.296 +/-  .443E -4 MN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                     1283   1210*9604   67     3.610 +/- .028E  3       1.4  3.871 +/- 3.960E -4 TI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                     1853   1407*9434   50     1.304 +/- .010E  3       8.5  6.549 +/-  .839E -3 CA
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                       954    921*9704   76     8.824 +/- .067E  3        .6  7.159 +/- 9.001E -5  V
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                     1794   1352*0394  148     1.604 +/- .012E  5       8.5  5.274 +/- 1.102E -5 ZN
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                     1376   1153*0284  136     1.163 +/- .009E  5       4.3  3.670 +/- 1.334E -5 CU
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                     2721   4180*8090  229     8.022 +/- .061E  4     -27.9 -3.482 +/-  .384E -4 PB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                    14322   3278*8230  242     7.681 +/- .333E  5     211.4  2.753 +/-  .127E -4 RB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                     4286   2289*8390  259     9.808 +/- .198E  5      38.2  3.898 +/-  .266E -5 SR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1822 RB   .16500        0     0.            5860   2532*8535  273     1.373 +/- .028E  6      28.8  2.099 +/-  .206E -5  Y
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         330 SR   .16500        0 PB   .05500       10796   4540*8685  290     1.386 +/- .020E  6     113.5  8.187 +/-  .316E -5 ZR
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         229  Y   .15200        0     0.            4969   3613*8865  306     1.940 +/- .028E  6      21.6  1.112 +/-  .158E -5 NB
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         942 ZR   .15900        0     0.            6584   6088*9050  326     2.772 +/- .039E  6      -8.5 -3.083 +/- 1.491E -6 MO
        PEAK IS AT CHANNEL  414.57 WITH HALFWIDTH OF  7.31. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                      601    604*0200  125     5.411 +/- .041E  4       -.1  -.106 +/- 1.943E -5 NI
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                      2264   1492*9365   43     4.011 +/- .031E  4      14.8  3.684 +/-  .445E -4  K
    FE PEAK IS AT CHANNEL  103.79 WITH HALFWIDTH OF  4.65.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 4  BUR-182  HT5 HUILTOCCO, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573088

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.15CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .67 0/0  EOB =     0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.53413 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.53413 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT         COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
INCOH                                                  660031 113175  385  387    5.137 +/- .016E  5  506626.0    .099 +/- 3.070E  1
COH                                                    117376  38905*0412  415    1.526 +/- .012E  3    1548.9  1.015 +/-  .011E  0
FE                                                      11473   1547*0105  104    4.011 +/- .031E  4     195.9  4.885 +/-  .069E -3 FE
CR                                                        911    906*9784   84    1.965 +/- .015E  4        .1   .502 +/- 4.163E -5 CR
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120          1 CR   .11000    1723   1086*9874   94    2.599 +/- .020E  4      12.3  4.743 +/-  .448E -4 MN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                      1251   1189*9604   67    3.610 +/- .028E  3       1.2  3.390 +/- 4.017E -4 TI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1792   1350*9434   50    1.304 +/- .010E  3       8.7  6.693 +/-  .850E -3 CA
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        893    925*9704   76    8.824 +/- .067E  3      -.6 -7.158 +/- 9.124E -5  V
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      1730   1305*0394  148    1.604 +/- .012E  5       8.4  5.229 +/- 1.123E -5 ZN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                      1306   1271*0284  136    1.163 +/- .009E  5        .7   .594 +/- 1.426E -5 CU
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      2534   4048*8090  229    8.022 +/- .061E  4     -29.9 -3.725 +/-  .389E -4 PB
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                     13467   3032*8230  242    7.681 +/- .333E  5     206.0  2.682 +/-  .124E -4 RB
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                      4182   2054*8390  259    9.808 +/- .198E  5      42.0  4.283 +/-  .265E -5 SR
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1722 RB   .16500          0     0.         5661   2608*8535  273    1.373 +/- .028E  6      26.3  1.914 +/-  .212E -5  Y
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         351 SR   .16500          0 PB   .05500    10418   4647*8685  290    1.386 +/- .020E  6     107.0  7.720 +/-  .324E -5 ZR
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         202  Y   .15200          0     0.         4781   3465*8865  306    1.940 +/- .028E  6      22.0  1.133 +/-  .159E -5 NB
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         862 ZR   .15900          0     0.         6334   5974*9050  326    2.772 +/- .039E  6      -9.9 -3.573 +/- 1.520E -6 MO
        PEAK IS AT CHANNEL  414.56 WITH HALFWIDTH OF  7.08. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       569    536*0200  125    5.411 +/- .041E  4        .7  1.204 +/- 1.900E -5 NI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       2375   1570*9365   43    4.011 +/- .031E  4      15.9  3.961 +/-  .473E -4  K
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.53.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 5  BUR-183  CCI CABANACONDE, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573090

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.28CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.58620 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.58620 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT     COUNTS EL    MULT          COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         721892 124804  385  387     5.137 +/- .016E  5  556858.0    .108 +/- 3.219E  1
INCOH                                                    129107  42989*0412  415     1.526 +/- .012E  3    1546.5  1.013 +/-  .011E  0
COH                                                       12613   1709*0105  104     4.011 +/- .031E  4     195.8  4.882 +/-  .067E -3 FE
FE                                                          987    988*9784   84     1.965 +/- .015E  4      -.0  -.091 +/- 3.951E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        0 CR   .11000      1893   1213*9874   94     2.599 +/- .020E  4      12.0  4.608 +/-  .428E -4 MN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1429   1245*9604   67     3.610 +/- .028E  3       3.3  9.153 +/- 3.831E -4 TI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1945   1503*9434   50     1.304 +/- .010E  3       7.9  6.089 +/-  .809E -3 CA
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1040    990*9704   76     8.824 +/- .067E  3        .9  1.018 +/-  .879E -4  V
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1895   1518*0394  148     1.604 +/- .012E  5       6.8  4.220 +/- 1.095E -5 ZN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1471   1310*0284  136     1.163 +/- .009E  5       2.9  2.486 +/- 1.331E -5 CU
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2840   4483*8090  228     8.022 +/- .061E  4     -29.5 -3.678 +/-  .372E -4 PB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       15463   3592*8230  241     7.681 +/- .333E  5     213.2  2.776 +/-  .128E -4 RB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        4607   2427*8390  258     9.808 +/- .198E  5      39.1  3.991 +/-  .258E -5 SR
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1959 RB   .16500        0     0.            6201   2912*8535  273     1.373 +/- .028E  6      23.9  1.740 +/-  .203E -5  Y
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          360 SR   .16500        0 PB   .05500       11591   4869*8685  290     1.386 +/- .020E  6     114.3  8.245 +/-  .309E -5 ZR
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          202  Y   .15200        0     0.            5330   3646*8865  306     1.940 +/- .028E  6      26.6  1.372 +/-  .150E -5 NB
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1012 ZR   .15900        0     0.            7112   6013*9050  325     2.772 +/- .039E  6       1.6   .566 +/- 1.396E -6 MO
        PEAK IS AT CHANNEL  414.49 WITH HALFWIDTH OF  7.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         639    492*0200  125     5.411 +/- .041E  4       2.6  4.879 +/- 1.695E -5 NI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2537   1892*9365   43     4.011 +/- .031E  4      11.6  2.888 +/-  .466E -4  K
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.63.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 6  BUR-184  CC2 CABANACONDE, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573092

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.95CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .71 0/0  EOB =      0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *326.64630 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.64630 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT         COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                       711406 122517  385  387     5.137 +/- .016E  5  548659.0    .107 +/- 3.192E  1
INCOH                                                  126170  42328*0412  415     1.526 +/- .012E  3    1528.1  1.001 +/-  .011E  0
COH                                                     11880   1568*0105  104     4.011 +/- .031E  4     187.9  4.686 +/-  .065E -3 FE
FE                                                       1023    928*9784   84     1.965 +/- .015E  4       1.7  8.810 +/- 3.977E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          12 FE   .00120        10 CR   .11000      1891   1083*9874   94     2.599 +/- .020E  4      14.3  5.506 +/-  .423E -4 MN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                      1399   1243*9604   67     3.610 +/- .028E  3       2.8  7.876 +/- 3.827E -4 TI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1912   1358*9434   50     1.304 +/- .010E  3      10.1  7.746 +/-  .801E -3 CA
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                       1024    948*9704   76     8.824 +/- .067E  3       1.4  1.570 +/-  .880E -4  V
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      1895   1575*0394  148     1.604 +/- .012E  5       5.8  3.635 +/- 1.127E -5 ZN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                      1406   1396*0284  136     1.163 +/- .009E  5        .2   .157 +/- 1.377E -5 CU
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      2778   4565*8090  229     8.022 +/- .061E  4     -32.6 -4.060 +/-  .381E -4 PB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                     14643   3133*8230  242     7.681 +/- .333E  5     209.8  2.731 +/-  .125E -4 RB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                      4271   2380*8390  259     9.808 +/- .198E  5      34.5  3.514 +/-  .255E -5 SR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1899 RB   .16500         0     0.            6041   2689*8535  273     1.373 +/- .028E  6      26.5  1.928 +/-  .200E -5  Y
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         312 SR   .16500         0 PB   .05500       11039   4852*8685  290     1.386 +/- .020E  6     107.1  7.727 +/-  .308E -5 ZR
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         221  Y   .15200         0     0.            5097   3624*8865  306     1.940 +/- .028E  6      22.8  1.176 +/-  .151E -5 NB
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         934 ZR   .15900         0     0.            6981   6220*9050  326     2.772 +/- .039E  6      -3.2 -1.138 +/- 1.433E -6 MO
        PEAK IS AT CHANNEL  414.51 WITH HALFWIDTH OF  7.09. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       610    480*0200  125     5.411 +/- .041E  4       2.4  4.379 +/- 1.695E -5 NI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       2374   1795*9365   43     4.011 +/- .031E  4      10.6  2.631 +/-  .461E -4  K
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.52.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 7  BUR-185  PX1  PACHAMACHAY, JUNIN, PAX10- LEVEL 5
GAMMA SPECTRUM-B 573094

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.39CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .76 0/0  EOB =     0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *326.69839 DAYS  COUNT TIME =     79.991 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.69839 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         750060 137924  385  386     5.137 +/- .016E  5  571906.0    .111 +/- 3.376E  1
INCOH                                                    134904  45321*0412  415     1.526 +/- .012E  3    1566.4  1.027 +/-  .011E  0
COH                                                       14161   1785*0105  104     4.011 +/- .031E  4     216.4  5.395 +/-  .070E -3 FE
FE                                                         1007   1047*9784   84     1.965 +/- .015E  4      -.7 -3.559 +/- 3.907E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
        15 FE   .00120          0 CR   .11000          1637   1241*9874   94     2.599 +/- .020E  4      6.7  2.564 +/-  .403E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                          1472   1271*9604   67     3.610 +/- .028E  3      3.5  9.736 +/- 3.733E -4 TI
TI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                          2015   1509*9434   50     1.304 +/- .010E  3      8.8  6.787 +/-  .797E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                          1092   1127*9704   76     8.824 +/- .067E  3      -.6 -6.935 +/- 8.931E -5  V
V
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                          1897   1684*0394  148     1.604 +/- .012E  5      3.7  2.321 +/- 1.109E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                          1518   1459*0284  136     1.163 +/- .009E  5      1.0   .887 +/- 1.358E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                          2762   3966*8090  228     8.022 +/- .061E  4     -21.1 -2.624 +/-  .342E -4 PB
PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                         11767   3194*8230  241     7.681 +/- .333E  5     149.9  1.952 +/-  .093E -4 RB
RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                         10457   2762*8390  258     9.808 +/- .198E  5     134.6  1.372 +/-  .040E -4 SR
SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                                                          5039   2703*8535  273     1.373 +/- .028E  6      16.1  1.173 +/-  .185E -5  Y
Y          1415 RB   .16500          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                                                         14290   4989*8685  290     1.386 +/- .020E  6     140.4  1.013 +/-  .032E -4 ZR
ZR         1270 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                                                          4285   3641*8865  306     1.940 +/- .028E  6       8.8  4.542 +/- 1.421E -6 NB
NB          140  Y   .15200          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                                                          7524   6996*9050  325     2.772 +/- .039E  6     -13.1 -4.725 +/- 1.461E -6 MO
MO         1277 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                           653    676*0200  125     5.411 +/- .041E  4       -.4  -.743 +/- 1.872E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                          2579   1747*9365   43     4.011 +/- .031E  4      14.5  3.627 +/-  .441E -4  K
K
    FE PEAK IS AT CHANNEL  103.70 WITH HALFWIDTH OF  4.80.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 8  BUR-186  PX2 PACHAMACHAY, JUNIN, PAX3-79, LEVEL 23
GAMMA SPECTRUM-B 573096

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.25CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.75451 DAYS  COUNT TIME =      79.989 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.75451 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT            COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                        700410 118717  385  387     5.137 +/- .016E  5  541463.0    .105 +/- 3.145E  1
INCOH                                                   123492  41878*0412  415     1.526 +/- .012E  3    1507.3    .988 +/-  .011E -0
COH                                                      20207   1616*0105  104     4.011 +/- .031E  4     343.3   8.560 +/-  .096E -3 FE
FE                                                         975   1013*9784   84     1.965 +/- .015E  4      -.7  -3.571 +/- 4.065E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          22 FE   .00120        0 CR   .11000      1806   1176*9874   94     2.599 +/- .020E  4      11.2   4.318 +/-  .432E -4 MN
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                      1338   1189*9604   67     3.610 +/- .028E  3       2.8   7.623 +/- 3.803E -4 TI
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1892   1437*9434   50     1.304 +/- .010E  3       8.4   6.446 +/-  .818E -3 CA
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                       1072   1034*9704   76     8.824 +/- .067E  3        .7   7.953 +/- 9.204E -5  V
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      2051   1467*0394  148     1.604 +/- .012E  5      10.8   6.722 +/- 1.120E -5 ZN
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                      1303   1324*0284  136     1.163 +/- .009E  5       -.4   -.333 +/- 1.358E -5 CU
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      2252   3047*8090  228     8.022 +/- .061E  4     -14.7  -1.830 +/-  .318E -4 PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      8885   2661*8230  241     7.681 +/- .333E  5     114.9   1.497 +/-  .074E -4 RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                     11846   2771*8390  258     9.808 +/- .198E  5     167.6   1.709 +/-  .046E -4 SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1027 RB   .16500        0     0.            4464   2361*8535  273     1.373 +/- .028E  6      19.9   1.447 +/-  .184E -5  Y
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         1497 SR   .16500        0 PB   .05500       10220   4258*8685  290     1.386 +/- .020E  6      82.5   5.950 +/-  .289E -5 ZR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          164  Y   .15200        0     0.            4221   3306*8865  306     1.940 +/- .028E  6      13.9   7.153 +/- 1.442E -6 NB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          710 ZR   .15900        0     0.            6218   6186*9050  325     2.772 +/- .039E  6     -12.5  -4.517 +/- 1.439E -6 MO
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.16. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       628    528*0200  125     5.411 +/- .041E  4       1.8   3.413 +/- 1.787E -5 NI
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       2249   1653*9365   43     4.011 +/- .031E  4      11.0   2.744 +/-  .447E -4  K
    FE PEAK IS AT CHANNEL  103.81 WITH HALFWIDTH OF  4.65.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 9  BUR-187  PX3 PACHAMACHAY, JUNIN, PAX6, LEVEL 6
GAMMA SPECTRUM-B 573098

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.28CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .73 0/0  EOB =      0.      MJD
IRRADIATION TIME =  J.   MIN  DECAY TIME = *326.81459 DAYS  COUNT TIME =      79.990 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43326.81459 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT     COUNTS EL     MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                           739093 128649  385  387     5.137 +/- .016E  5  570214.0    .111 +/- 3.265E  1
INCOH                                                      132479  43557*0412  414     1.526 +/- .012E  3    1559.4  1.022 +/-  .011E  0
COH                                                         13906   1619*0105  104     4.011 +/- .031E  4     215.5  5.372 +/-  .070E -3 FE
FE                                                           1039   1001*9784   84     1.965 +/- .015E  4        .7  3.391 +/- 3.905E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120          4 CR   .11000      1590   1122*9874   94     2.599 +/- .020E  4       7.9  3.030 +/-  .392E -4 MN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                          1555   1228*9604   67     3.610 +/- .028E  3       5.7  1.589 +/-  .372E -3 TI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                          1990   1475*9434   50     1.304 +/- .010E  3       9.0  6.928 +/-  .793E -3 CA
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                           1057   1116*9704   76     8.824 +/- .067E  3      -1.0 -1.173 +/-  .886E -4  V
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                          1918   1583*0394  148     1.604 +/- .012E  5       5.9  3.662 +/- 1.086E -5 ZN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                          1485   1380*0284  136     1.163 +/- .009E  5       1.8  1.583 +/- 1.328E -5 CU
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                          2752   4158*8090  229     8.022 +/- .061E  4     -24.7 -3.074 +/-  .351E -4 PB
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                         11494   3021*8230  242     7.681 +/- .333E  5     148.6  1.935 +/-  .092E -4 RB
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                         10110   2817*8390  259     9.808 +/- .198E  5     127.9  1.304 +/-  .039E -4 SR
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1398 RB   .16500          0     0.            5019   2692*8535  273     1.373 +/- .028E  6      16.3  1.186 +/-  .185E -5  Y
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         1203 SR   .16500          0 PB   .05500       13798   4693*8685  290     1.386 +/- .020E  6     138.6  9.999 +/-  .316E -5 ZR
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          141  Y   .15200          0     0.            4363   3570*8865  306     1.940 +/- .028E  6      11.4  5.892 +/- 1.417E -6 NB
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1256 ZR   .15900          0     0.            7943   6428*9050  326     2.772 +/- .039E  6       4.5  1.637 +/- 1.417E -6 MO
        PEAK IS AT CHANNEL  414.59 WITH HALFWIDTH OF  7.32. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                           648    620*0200  125     5.411 +/- .041E  4        .5   .908 +/- 1.813E -5 NI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                           2554   1747*9365   43     4.011 +/- .031E  4      14.2  3.528 +/-  .441E -4  K
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.74.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 +  BUR-188   VZL VIZCACHAMI, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573000

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.24CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .74 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.86669 DAYS  COUNT TIME =      79.994 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.86669 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK              GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         729361 126904  385  387     5.137 +/- .016E  5  562227.0    .109 +/- 3.244E  1
INCOH                                                    129734  44651*0412  415     1.526 +/- .012E  3    1513.3    .992 +/-  .011E -0
COH                                                       12280   1768*0105  104     4.011 +/- .031E  4     187.0   4.661 +/-  .065E -3 FE
FE                                                          982   1006*9784   84     1.965 +/- .015E  4      -.4  -2.172 +/- 3.923E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        0 CR   .11000      1946   1229*9874   94     2.599 +/- .020E  4      12.5   4.820 +/-  .428E -4 MN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1337   1226*9604   67     3.610 +/- .028E  3       2.0   5.469 +/- 3.730E -4 TI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1894   1506*9434   50     1.304 +/- .010E  3       6.9   5.294 +/-  .796E -3 CA
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1027   1017*9704   76     8.824 +/- .067E  3        .2   2.016 +/- 8.726E -5  V
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1959   1612*0394  148     1.604 +/- .012E  5       6.2   3.847 +/- 1.113E -5 ZN
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1434   1411*0284  136     1.163 +/- .009E  5        .4    .352 +/- 1.353E -5 CU
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2948   4378*8090  229     8.022 +/- .061E  4     -25.4  -3.171 +/-  .365E -4 PB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       15181   3624*8230  242     7.681 +/- .333E  5     205.6   2.676 +/-  .123E -4 RB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        4667   2479*8390  259     9.808 +/- .198E  5      38.9   3.968 +/-  .259E -5 SR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1907 RB   .16500        0     0.            6072   2977*8535  273     1.373 +/- .028E  6      21.1   1.539 +/-  .201E -5  Y
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR          361 SR   .16500        0 PB   .05500       11354   4879*8685  290     1.386 +/- .020E  6     108.7   7.847 +/-  .304E -5 ZR
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          181  Y   .15200        0     0.            5263   3635*8865  306     1.940 +/- .028E  6      25.7   1.327 +/-  .148E -5 NB
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO          972 ZR   .15900        0     0.            7090   6387*9050  326     2.772 +/- .039E  6      -4.8  -1.727 +/- 1.417E -6 MO
        PEAK IS AT CHANNEL  414.53 WITH HALFWIDTH OF  7.20. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         598    612*0200  125     5.411 +/- .041E  4      -.2   -.460 +/- 1.814E -5 NI
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2488   1823*9365   43     4.011 +/- .031E  4      11.8   2.949 +/-  .452E -4  K
    FE PEAK IS AT CHANNEL  103.78 WITH HALFWIDTH OF  4.86.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 -  BUR-189  VZ2 VIZCACHAMI, AREQUIPA, SURFACE
GAMMA SPECTRUM-B 573102

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.32CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .62 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.92680 DAYS  COUNT TIME =      79.995 MIN  C/SEC BEG. =      0  C/SEC END =     0
START TIME = 43326.92680 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT      COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   626236 107665  385  387     5.137 +/- .016E  5  478341.0    .093 +/- 2.988E  1
INCOH                                              110235  38378*0412  415     1.526 +/- .012E  3    1502.2    .984 +/-  .011E -0
COH                                                 10137   1510*0105  104     4.011 +/- .031E  4     180.4  4.496 +/-  .068E -3 FE
FE                                                    792    864*9784   84     1.965 +/- .015E  4      -1.5 -7.658 +/- 4.202E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120         0 CR   .11000     1579   1049*9874   94     2.599 +/- .020E  4       10.9  4.180 +/-  .458E -4 MN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1137   1003*9604   67     3.610 +/- .028E  3        2.8  7.760 +/- 3.935E -4 TI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1641   1274*9434   50     1.304 +/- .010E  3        7.7  5.886 +/-  .865E -3 CA
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     904    876*9704   76     8.824 +/- .067E  3         .6  6.633 +/- 9.576E -5  V
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1599   1402*0394  148     1.604 +/- .012E  5        4.1  2.567 +/- 1.212E -5 ZN
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1301   1159*0284  136     1.163 +/- .009E  5        3.0  2.552 +/- 1.459E -5 CU
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2511   3757*8090  228     8.022 +/- .061E  4      -26.0 -3.247 +/-  .397E -4 PB
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  12523   3129*8230  241     7.681 +/- .333E  5      196.4  2.557 +/-  .120E -4 RB
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   3798   1926*8390  258     9.808 +/- .198E  5       39.1  3.990 +/-  .268E -5 SR
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1550 RB   .16500         0     0.           5130   2339*8535  273     1.373 +/- .028E  6       25.9  1.889 +/-  .213E -5  Y
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         309 SR   .16500         0 PB   .05500      9418   4020*8685  290     1.386 +/- .020E  6      106.4  7.677 +/-  .321E -5 ZR
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         189  Y   .15200         0     0.           4489   3058*8865  306     1.940 +/- .028E  6       26.0  1.339 +/-  .160E -5 NB
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         809 ZR   .15900         0     0.           5915   5486*9050  325     2.772 +/- .039E  6       -7.9 -2.868 +/- 1.545E -6 MO
        PEAK IS AT CHANNEL  414.47 WITH HALFWIDTH OF  7.20. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    515    504*0200  125     5.411 +/- .041E  4         .2   .425 +/- 1.944E -5 NI
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2112   1576*9365   43     4.011 +/- .031E  4       11.2  2.794 +/-  .495E -4  K
    FE PEAK IS AT CHANNEL  103.76 WITH HALFWIDTH OF  4.46.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 *  BUR-190  WQ1 WICHGANA, AYACUDO, EB-18, 45-D1, SANDOVAL EXC.
GAMMA SPECTRUM-B 573104

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.90CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .82 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *326.97884 DAYS  COUNT TIME =      79.989 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43326.97884 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK              GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         779318 137219  385  386    5.137 +/- .016E  5  601869.0    .117 +/- 3.384E  1
INCOH                                                    138530  45995*0412  414    1.526 +/- .012E  3    1537.5  1.008 +/-  .010E  0
COH                                                       14812   1752*0105  103    4.011 +/- .031E  4     217.0  5.410 +/-  .069E -3 FE
FE                                                         1108   1037*9784   84    1.965 +/- .015E  4       1.2  6.002 +/- 3.806E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          16 FE   .00120        8 CR   .11000       1638   1231*9874   94    2.599 +/- .020E  4       6.4  2.452 +/-  .384E -4 MN
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1574   1361*9604   67    3.610 +/- .028E  3       3.5  9.803 +/- 3.704E -4 TI
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2213   1625*9434   50    1.304 +/- .010E  3       9.8  7.494 +/-  .791E -3 CA
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1129   1132*9704   76    8.824 +/- .067E  3      -.0  -.565 +/- 8.571E -5  V
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1958   1677*0394  148    1.604 +/- .012E  5       4.7  2.910 +/- 1.056E -5 ZN
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1597   1540*0284  136    1.163 +/- .009E  5        .9   .814 +/- 1.322E -5 CU
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2968   3955*8090  228    8.022 +/- .061E  4     -16.4 -2.044 +/-  .326E -4 PB
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       12229   3519*8230  241    7.681 +/- .333E  5     144.7  1.884 +/-  .090E -4 RB
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                       10714   2675*8390  258    9.808 +/- .198E  5     133.6  1.362 +/-  .038E -4 SR
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1437 RB   .16500        0     0.                5095   2718*8535  273    1.373 +/- .028E  6      15.6  1.137 +/-  .177E -5  Y
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1326 SR   .16500        0 PB   .05500          14764   5299*8685  290    1.386 +/- .020E  6     135.2  9.758 +/-  .314E -5 ZR
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         143  Y   .15200        0     0.                4714   3877*8865  306    1.940 +/- .028E  6      11.5  5.944 +/- 1.397E -6 NB
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1294 ZR   .15900        0     0.                7877   7263*9050  325    2.772 +/- .039E  6     -11.3 -4.077 +/- 1.413E -6 MO
        PEAK IS AT CHANNEL  414.30 WITH HALFWIDTH OF  7.31. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         707    672*0200  125    5.411 +/- .041E  4        .6  1.075 +/- 1.789E -5 NI
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2687   2037*9365   43    4.011 +/- .031E  4      10.8  2.692 +/-  .446E -4  K
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.96.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 /  BUR-191  WQ2 WICHGANA, AYACUDO, EB-1N3-W2, 10E
GAMMA SPECTRUM-B 573106

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.91CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .82 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *327.03497 DAYS  COUNT TIME =      79.991 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.03497 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT         COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                       802587 141864  385  386     5.137 +/- .016E  5  620493.0    .121 +/- 3.430E  1
INCOH
                                                       142761  47380*0412  414     1.526 +/- .012E  3    1537.2  1.007 +/-  .010E  0
COH
                                                        15195   1852*0105  104     4.011 +/- .031E  4     215.0  5.361 +/-  .068E -3 FE
FE
                                                         1080   1092*9784   84     1.965 +/- .015E  4      -.2  -.984 +/- 3.712E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
                 16 FE   .00120          0 CR   .11000   1735   1281*9874   94     2.599 +/- .020E  4       7.1  2.716 +/-  .380E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                         1669   1427*9604   67     3.610 +/- .028E  3       3.9  1.080 +/-  .366E -3 TI
TI
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                         2136   1721*9434   50     1.304 +/- .010E  3       6.7  5.131 +/-  .768E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                         1274   1092*9704   76     8.824 +/- .067E  3       2.9  3.324 +/-  .854E -4  V
V
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                         1973   1583*0394  148     1.604 +/- .012E  5       6.3  3.918 +/- 1.002E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                         1615   1495*0284  136     1.163 +/- .009E  5       1.9  1.663 +/- 1.268E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                         3003   4169*8090  228     8.022 +/- .061E  4     -18.8 -2.342 +/-  .324E -4 PB
PB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                        12381   3667*8230  241     7.681 +/- .333E  5     140.4  1.828 +/-  .087E -4 RB
RB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
                                                        10861   2937*8390  258     9.808 +/- .198E  5     127.7  1.302 +/-  .038E -4 SR
SR
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
                                                         5330   2871*8535  273     1.373 +/- .028E  6      16.5  1.199 +/-  .176E -5  Y
Y          1438 RB   .16500          0     0.
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
                                                        14839   5365*8685  290     1.386 +/- .020E  6     131.6  9.497 +/-  .306E -5 ZR
ZR         1307 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
                                                         4658   4010*8865  306     1.940 +/- .028E  6       7.9  4.093 +/- 1.372E -6 NB
NB          155  Y   .15200          0     0.
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
                                                         8011   7148*9050  325     2.772 +/- .039E  6      -7.0 -2.532 +/- 1.361E -6 MO
MO         1298 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  7.21. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                          672    704*0200  125     5.411 +/- .041E  4       -.5  -.953 +/- 1.759E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                         2758   1986*9365   43     4.011 +/- .031E  4      12.4  3.102 +/-  .428E -4  K
K
    FE PEAK IS AT CHANNEL  103.65 WITH HALFWIDTH OF  4.78.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 $  BUR-193  PG2 PAMPAS GALERAS,ICA, SURFACE
GAMMA SPECTRUM-B 573110

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.92CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .84 0/0  EOB =      0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *327.14723 DAYS  COUNT TIME =      79.990 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.14723 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK                GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT           COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         796954 143385  385  386     5.137 +/- .016E  5  613339.0    .119 +/- 3.446E  1
INCOH                                                    142877  48704*0412  415     1.526 +/- .012E  3    1535.4  1.006 +/-  .010E  0
COH                                                       15174   1800*0105  104     4.011 +/- .031E  4     218.1  5.436 +/-  .069E -3 FE
FE                                                         1064   1085*9784   84     1.965 +/- .015E  4      -.3 -1.742 +/- 3.725E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          16 FE   .00120        0 CR   .11000        1725   1264*9874   94     2.599 +/- .020E  4       7.3  2.791 +/-  .383E -4 MN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1726   1487*9604   67     3.610 +/- .028E  3       3.9  1.079 +/-  .378E -3 TI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         2168   1597*9434   50     1.304 +/- .010E  3       9.3  7.142 +/-  .769E -3 CA
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1195   1170*9704   76     8.824 +/- .067E  3        .4  4.619 +/- 8.607E -5  V
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         1974   1689*0394  148     1.604 +/- .012E  5       4.6  2.896 +/- 1.040E -5 ZN
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1643   1465*0284  136     1.163 +/- .009E  5       2.9  2.495 +/- 1.278E -5 CU
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2972   3828*8090  228     8.022 +/- .061E  4     -14.0 -1.740 +/-  .315E -4 PB
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        12343   3565*8230  241     7.681 +/- .333E  5     143.1  1.863 +/-  .089E -4 RB
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        11016   2847*8390  258     9.808 +/- .198E  5     133.2  1.358 +/-  .039E -4 SR
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1448 RB   .16500        0     0.            5381   2805*8535  273     1.373 +/- .028E  6      18.4  1.339 +/-  .177E -5  Y
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         1348 SR   .16500        0 PB   .05500       14957   5592*8685  290     1.386 +/- .020E  6     130.7  9.432 +/-  .313E -5 ZR
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          171  Y   .15200        0     0.            4488   4048*8865  306     1.940 +/- .028E  6       4.4  2.257 +/- 1.388E -6 NB
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1275 ZR   .15900        0     0.            8116   6996*9050  325     2.772 +/- .039E  6      -2.5  -.910 +/- 1.368E -6 MO
        PEAK IS AT CHANNEL  414.34 WITH HALFWIDTH OF  7.14. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          665    636*0200  125     5.411 +/- .041E  4        .5   .874 +/- 1.707E -5 NI
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2819   1947*9365   43     4.011 +/- .031E  4      14.2  3.545 +/-  .433E -4  K
    FE PEAK IS AT CHANNEL  103.73 WITH HALFWIDTH OF  4.81.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 .  BUR-194  PG3 PAMPAS GALERAS,ICA, SURFACE
GAMMA SPECTRUM-B 573112

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.83CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *327.20736 DAYS  COUNT TIME =      79.990 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.20736 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK              GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL    MULT     COUNTS EL     MULT         COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                         682671 121436  385  387     5.137 +/- .016E  5  521005.0    .101 +/- 3.167E  1
INCCH                                                    123909  41508*0412  415     1.526 +/- .012E  3    1581.6  1.036 +/-  .011E  0
COH                                                       13173   1557*0105  104     4.011 +/- .031E  4     223.0  5.559 +/-  .074E -3 FE
FE                                                          973    937*9784   84     1.965 +/- .015E  4       .7  3.516 +/- 4.138E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .J0120          4 CR   .11000     1490   1072*9874   94     2.599 +/- .020E  4       7.7  2.955 +/-  .417E -4 MN
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1411   1172*9604   67     3.610 +/- .028E  3       4.6  1.271 +/-  .395E -3 TI
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2032   1426*9434   50     1.304 +/- .010E  3      11.6  8.923 +/-  .868E -3 CA
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1016   1042*9704   76     8.824 +/- .067E  3       -.5 -5.655 +/- 9.441E -5  V
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1753   1456*0394  148     1.604 +/- .012E  5       5.7  3.553 +/- 1.142E -5 ZN
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1433   1345*0284  136     1.163 +/- .009E  5       1.7  1.452 +/- 1.428E -5 CU
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2514   3828*8090  228     8.022 +/- .061E  4     -25.2 -3.144 +/-  .368E -4 PB
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       11061   3070*8230  241     7.681 +/- .333E  5     153.4  1.997 +/-  .096E -4 RB
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                        9589   2534*8390  258     9.808 +/- .198E  5     135.4  1.381 +/-  .041E -4 SR
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y        1319 RB   .16500          0     0.               4628   2434*8535  273     1.373 +/- .028E  6      16.8  1.224 +/-  .194E -5  Y
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR       1164 SR   .16500          0 PB   .05500         13031   4640*8685  290     1.386 +/- .020E  6     138.7  1.001 +/-  .034E -4 ZR
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB        133  Y   .15200          0     0.               4018   3564*8865  306     1.940 +/- .028E  6       6.2  3.175 +/- 1.535E -6 NB
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO       1149 ZR   .15900          0     0.               7032   6164*9050  325     2.772 +/- .039E  6      -5.4 -1.947 +/- 1.508E -6 MO
        PEAK IS AT CHANNEL  414.27 WITH HALFWIDTH OF  7.24. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         570    636*0200  125     5.411 +/- .041E  4      -1.3 -2.341 +/- 1.980E -5 NI
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2445   1749*9365   43     4.011 +/- .031E  4      13.4  3.331 +/-  .479E -4  K
    FE PEAK IS AT CHANNEL  103.67 WITH HALFWIDTH OF  4.53.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 1  BUR-195  PG4 PAMPAS GALERAS,ICA, SURFACE
GAMMA SPECTRUM-B 573114

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.91CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .70 0/0  EOB =     0.      MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *327.25944 DAYS  COUNT TIME =      79.991 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43327.25944 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK            GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT         COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
                                                       721524 126266  385  387     5.137 +/- .016E  5  555028.0    .108 +/- 3.231E  1
INCOH                                                  130156  42822*0412  414     1.526 +/- .012E  3    1573.5  1.031 +/-  .011E  0
COH                                                     13523   1603*0105  104     4.011 +/- .031E  4     214.8  5.354 +/-  .070E -3 FE
FE                                                       1026    977*9784   84     1.965 +/- .015E  4        .9  4.492 +/- 3.976E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .J0120        5 CR   .11000       1537   1113*9874   93     2.599 +/- .020E  4       7.3  2.803 +/-  .399E -4 MN
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                      1526   1169*9604   66     3.610 +/- .028E  3       6.4  1.782 +/-  .372E -3 TI
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1999   1465*9434   49     1.304 +/- .010E  3       9.6  7.381 +/-  .815E -3 CA
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                       1079   1087*9704   76     8.824 +/- .067E  3      -.1 -1.633 +/- 9.096E -5  V
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      1808   1652*0394  147     1.604 +/- .012E  5       2.8  1.752 +/- 1.131E -5 ZN
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                      1460   1415*0284  136     1.163 +/- .009E  5        .8   .697 +/- 1.375E -5 CU
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      2721   4021*8090  228     8.022 +/- .061E  4     -23.4 -2.920 +/-  .355E -4 PB
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                     11313   3450*8230  241     7.681 +/- .333E  5     141.7  1.844 +/-  .089E -4 RB
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                      9972   2616*8390  258     9.808 +/- .198E  5     132.5  1.351 +/-  .040E -4 SR
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1297 RB   .16500        0     0.              4921   2435*8535  273     1.373 +/- .028E  6      21.4  1.560 +/-  .185E -5  Y
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1214 SR   .16500        0 PB   .05500         13652   5036*8685  290     1.386 +/- .020E  6     133.4  9.624 +/-  .327E -5 ZR
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         181  Y   .15200        0     0.              4154   3569*8865  306     1.940 +/- .028E  6       7.3  3.755 +/- 1.447E -6 NB
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1177 ZR   .15900        0     0.              7198   6467*9050  325     2.772 +/- .039E  6      -8.0 -2.899 +/- 1.447E -6 MO
        PEAK IS AT CHANNEL  414.35 WITH HALFWIDTH OF  7.34. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       618    624*0200  125     5.411 +/- .041E  4      -.1  -.200 +/- 1.858E -5 NI
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       2617   1751*9365   43     4.011 +/- .031E  4      15.6  3.890 +/-  .452E -4  K
    FE PEAK IS AT CHANNEL  103.60 WITH HALFWIDTH OF  4.60.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 #  BUR-196  PG5 PAMPAS GALERAS,ICA, SURFACE
GAMMA SPECTRUM-B 573116

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.39CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .66 0/0  EOB =     0.      MJD
IRRADIATION TIME =    0.   MIN  DECAY TIME = *327.31554 DAYS  COUNT TIME =      79.991 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43327.31554 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
      COUNTS EL    MULT    COUNTS EL    MULT       COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   669434 124156  385  386     5.137 +/- .016E  5  505048.0    .098 +/- 3.200E  1
INCOH                                              119793  40109*0412  415     1.526 +/- .012E  3    1577.8  1.034 +/-  .011E  0
COH                                                 12586   1531*0105  104     4.011 +/- .031E  4     218.9  5.457 +/-  .074E -3 FE
FE                                                    966    911*9784   84     1.965 +/- .015E  4       1.1  5.541 +/- 4.241E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          13 FE   .00120        6 CR   .11000     1457   1067*9874   94     2.599 +/- .020E  4       7.3  2.824 +/-  .428E -4 MN
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1376   1173*9604   67     3.610 +/- .028E  3       4.0  1.113 +/-  .408E -3 TI
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2042   1391*9434   50     1.304 +/- .010E  3      12.9  9.888 +/-  .893E -3 CA
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     925    945*9704   76     8.824 +/- .067E  3      -.4 -4.488 +/- 9.286E -5  V
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1681   1408*0394  148     1.604 +/- .012E  5       5.4  3.369 +/- 1.160E -5 ZN
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1337   1373*0284  136     1.163 +/- .009E  5      -.7  -.613 +/- 1.481E -5 CU
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2518   3273*8090  228     8.022 +/- .061E  4     -14.9 -1.863 +/-  .354E -4 PB
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  10391   2890*8230  241     7.681 +/- .333E  5     148.5  1.934 +/-  .093E -4 RB
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   9068   2523*8390  258     9.808 +/- .198E  5     129.6  1.321 +/-  .041E -4 SR
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1238 RB   .16500        0     0.          4572   2368*8535  273     1.373 +/- .028E  6      19.1  1.393 +/-  .198E -5  Y
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         1080 SR   .16500        0 PB   .05500    12657   4497*8685  290     1.386 +/- .020E  6     140.2  1.012 +/-  .034E -4 ZR
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          147  Y   .15200        0     0.          3865   3223*8865  306     1.940 +/- .028E  6       9.8  5.053 +/- 1.516E -6 NB
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1126 ZR   .15900        0     0.          6832   5662*9050  325     2.772 +/- .039E  6        .9   .316 +/- 1.502E -6 MO
        PEAK IS AT CHANNEL  414.46 WITH HALFWIDTH OF  7.16. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    614    560*0200  125     5.411 +/- .041E  4       1.1  1.976 +/- 1.955E -5 NI
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2318   1810*9365   43     4.011 +/- .031E  4      10.1  2.508 +/-  .500E -4  K
    FE PEAK IS AT CHANNEL  103.72 WITH HALFWIDTH OF  4.73.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 *  BUR-197  CVL  WAMAN WAIN, ANDCASH, AN6-10-A1-F
GAMMA SPECTRUM-B 573118

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.15CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *327.37561 DAYS  COUNT TIME =      79.990 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43327.37561 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 3/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   741526 133381  385  386     5.137 +/- .016E  5  567915.0    .111 +/- 3.327E  1
INCOH                                              132523  45793*0412  415     1.526 +/- .012E  3    1527.2  1.001 +/-  .011E  0
COH                                                 14033   1738*0105  104     4.011 +/- .031E  4     216.5  5.397 +/-  .070E -3 FE
FE                                                   1058   1063*9784   84     1.965 +/- .015E  4      -.1  -.448 +/- 4.003E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120        0 CR   .11000     1589   1229*9874   94     2.599 +/- .020E  4       6.1  2.339 +/-  .403E -4 MN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1543   1300*9604   67     3.610 +/- .028E  3       4.3  1.185 +/-  .378E -3 TI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2145   1511*9434   50     1.304 +/- .010E  3      11.2  8.564 +/-  .818E -3 CA
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1137   1107*9704   76     8.824 +/- .067E  3        .5  5.986 +/- 9.055E -5  V
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1820   1465*0394  148     1.604 +/- .012E  5       6.3  3.896 +/- 1.052E -5 ZN
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1443   1380*0284  136     1.163 +/- .009E  5       1.1   .954 +/- 1.327E -5 CU
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2784   3812*8090  228     8.022 +/- .061E  4     -18.1 -2.256 +/-  .339E -4 PB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  11371   3371*8230  241     7.681 +/- .333E  5     140.9  1.834 +/-  .088E -4 RB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                  10002   2869*8390  258     9.808 +/- .198E  5     125.6  1.281 +/-  .039E -4 SR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y          1320 RB   .16500        0     0.          4951   2636*8535  273     1.373 +/- .028E  6      17.5  1.276 +/-  .185E -5  Y
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR         1177 SR   .16500        0 PB   .05500    13921   4798*8685  290     1.386 +/- .020E  6     139.9  1.010 +/-  .032E -4 ZR
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB          151  Y   .15200        0     0.          4366   3591*8865  306     1.940 +/- .028E  6      11.0  5.661 +/- 1.425E -6 NB
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO         1263 ZR   .15900        0     0.          7566   6528*9050  325     2.772 +/- .039E  6      -4.0 -1.432 +/- 1.426E -6 MO
        PEAK IS AT CHANNEL  414.50 WITH HALFWIDTH OF  7.06. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                   672    624*0200  125     5.411 +/- .041E  4        .8  1.562 +/- 1.832E -5 NI
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2611   1789*9365   43     4.011 +/- .031E  4      14.5  3.609 +/-  .448E -4  K
    FE PEAK IS AT CHANNEL  103.77 WITH HALFWIDTH OF  4.63.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 ^  BUR-198 CV2 WAMAN WAIN, ANCASH, AN6-10-A1-C
GAMMA SPECTRUM-B 573120

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.16CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .68 0/0  EOB =      0.      MJD
IRRADIATION TIME =   J.   MIN  DECAY TIME = *327.42772 DAYS  COUNT TIME =      79.988 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.42772 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 3/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   675755 120371  385  387     5.137 +/- .016E  5  515154.0    .100 +/- 3.158E  1
INCOH                                              122888  39506*0412  415     1.526 +/- .012E  3    1618.6  1.061 +/-  .011E  0
COH                                                 12941   1546*0105  104     4.011 +/- .031E  4     221.2  5.515 +/-  .074E -3 FE
FE                                                    988    908*9784   84     1.965 +/- .015E  4       1.6  7.901 +/- 4.187E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .J0120        9 CR   .11000      1410   1085*9874   94     2.599 +/- .020E  4       5.9  2.259 +/-  .419E -4 MN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1457   1211*9604   67     3.610 +/- .028E  3       4.8  1.323 +/-  .408E -3 TI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1967   1386*9434   50     1.304 +/- .010E  3      11.3  8.652 +/-  .864E -3 CA
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     961   1008*9704   76     8.824 +/- .067E  3      -.9 -1.034 +/-  .934E -4  V
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1638   1419*0394  148     1.604 +/- .012E  5       4.3  2.650 +/- 1.133E -5 ZN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1368   1238*0284  136     1.163 +/- .009E  5       2.5  2.169 +/- 1.397E -5 CU
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2533   3779*8090  229     8.022 +/- .061E  4     -24.2 -3.015 +/-  .370E -4 PB
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  10799   2913*8230  242     7.681 +/- .333E  5     153.1  1.993 +/-  .095E -4 RB
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                   9235   2548*8390  259     9.808 +/- .198E  5     129.8  1.323 +/-  .040E -4 SR
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1301 RB   .16500        0     0.           4661   2398*8535  273     1.373 +/- .028E  6      18.7  1.360 +/-  .195E -5  Y
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1103 SR   .16500        0 PB   .05500      12868   4575*8685  290     1.386 +/- .020E  6     139.6  1.007 +/-  .034E -4 ZR
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         146  Y   .15200        0     0.           3844   3399*8865  306     1.940 +/- .028E  6       5.8  2.990 +/- 1.517E -6 NB
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1143 ZR   .15900        0     0.           6903   5776*9050  326     2.772 +/- .039E  6      -.3  -.113 +/- 1.485E -6 MO
        PEAK IS AT CHANNEL  414.78 WITH HALFWIDTH OF  7.23. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    566    504*0200  125     5.411 +/- .041E  4       1.2  2.224 +/- 1.823E -5 NI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2330   1629*9365   43     4.011 +/- .031E  4      13.6  3.393 +/-  .469E -4  K
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.72.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 *  BUR-199  CV3 PAJOC, ANCASH, AN6-2-A1-Q
GAMMA SPECTRUM-B 573122

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.72CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .81 0/0  EOB =     0.      MJD
IRRADIATION TIME =   ).   MIN  DECAY TIME = *327.48779 DAYS  COUNT TIME =      79.991 MIN  C/SEC BEG. =     0  C/SEC END =     0
START TIME = 43327.48779 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 3/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT       ELEMENT
        COUNTS EL    MULT    COUNTS EL    MULT     COUNTS COUNTS PEAK PEAK  X                           EOB          ABUNDANCE
                                                   791071 138631  385  387     5.137 +/- .016E  5  612210.0    .119 +/- 3.396E  1
INCOH                                              141914  47252*0412  415     1.526 +/- .012E  3    1546.2  1.013 +/-  .010E  0
COH                                                 15081   1795*0105  104     4.011 +/- .031E  4     217.0  5.410 +/-  .069E -3 FE
FE                                                   1032   1077*9784   85     1.965 +/- .015E  4      -.7 -3.740 +/- 3.707E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          16 FE   .00120        0 CR   .11000     1628   1274*9874   94     2.599 +/- .020E  4       5.5  2.124 +/-  .379E -4 MN
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1553   1340*9604   67     3.610 +/- .028E  3       3.5  9.638 +/- 3.584E -4 TI
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2080   1591*9434   50     1.304 +/- .010E  3       8.0  6.127 +/-  .760E -3 CA
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1150   1152*9704   77     8.824 +/- .067E  3       -.0 -.370 +/- 8.502E -5  V
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1943   1636*0394  148     1.604 +/- .012E  5       5.0  3.126 +/- 1.026E -5 ZN
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1523   1450*0284  137     1.163 +/- .009E  5       1.2  1.025 +/- 1.263E -5 CU
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2962   4274*8090  229     8.022 +/- .061E  4     -21.4 -2.671 +/-  .332E -4 PB
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  12318   3527*8230  242     7.681 +/- .333E  5     143.6  1.870 +/-  .089E -4 RB
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                  10785   3018*8390  259     9.808 +/- .198E  5     126.9  1.294 +/-  .038E -4 SR
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y        1451 RB   .16500        0     0.           5233   2677*8535  273     1.373 +/- .028E  6      18.1  1.315 +/-  .174E -5  Y
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR       1282 SR   .16500        0 PB   .05500      14696   5479*8685  290     1.386 +/- .020E  6     129.6  9.353 +/-  .310E -5 ZR
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB        168  Y   .15200        0     0.           4587   4202*8865  306     1.940 +/- .028E  6       3.5  1.827 +/- 1.414E -6 NB
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO       1262 ZR   .15900        0     0.           7884   7137*9050  326     2.772 +/- .039E  6      -8.4 -3.034 +/- 1.380E -6 MO
        PEAK IS AT CHANNEL  414.96 WITH HALFWIDTH OF  7.09. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    680    672*0200  126     5.411 +/- .041E  4       .1   .242 +/- 1.752E -5 NI
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2676   1875*9365   43     4.011 +/- .031E  4      13.1  3.262 +/-  .424E -4  K
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.65.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8031 >  BUR-192  PGL PAMPAS GALERAS,ICA, SURFACE
GAMMA SPECTRUM-B 573108

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.95CHANNELS
STD NUMBER 1                    -573030 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .77 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN  DECAY TIME = *327.09111 DAYS  COUNT TIME =      79.990 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.09111 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 2/1977 PST

NUCLIDE          COUNTS REMOVED FROM PEAK          GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)        CPM    ELEMENT       ELEMENT
       COUNTS EL    MULT    COUNTS EL    MULT      COUNTS COUNTS PEAK PEAK  X                          EOB          ABUNDANCE
                                                   752980 134674  385  386     5.137 +/- .016E  5  578076.0    .113 +/- 3.340E  1
INCOH                                              133603  46247*0412  415     1.526 +/- .012E  3    1511.2    .990 +/-  .010E -0
COH                                                 14134   1747*0105  104     4.011 +/- .031E  4     214.3   5.342 +/-  .070E -3 FE
FE                                                   1059   1082*9784   84     1.965 +/- .015E  4      -.4  -2.024 +/- 3.950E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120        0 CR   .11000     1642   1251*9874   94     2.599 +/- .020E  4       6.5   2.503 +/-  .401E -4 MN
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1576   1195*9604   67     3.610 +/- .028E  3       6.6   1.826 +/-  .363E -3 TI
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2136   1533*9434   50     1.304 +/- .010E  3      10.4   8.002 +/-  .805E -3 CA
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1118   1153*9704   76     8.824 +/- .067E  3      -.6  -6.861 +/- 8.937E -5  V
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1889   1508*0394  148     1.604 +/- .012E  5       6.6   4.108 +/- 1.048E -5 ZN
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1445   1298*0284  136     1.163 +/- .009E  5       2.5   2.186 +/- 1.272E -5 CU
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2837   4032*8090  228     8.022 +/- .061E  4     -20.7  -2.577 +/-  .342E -4 PB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  11648   3225*8230  241     7.681 +/- .333E  5     145.7   1.897 +/-  .090E -4 RB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                  10154   2981*8390  258     9.808 +/- .198E  5     124.1   1.265 +/-  .038E -4 SR
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1390 RB   .16500        0     0.           4955   2745*8535  273     1.373 +/- .028E  6      14.2   1.033 +/-  .184E -5  Y
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1184 SR   .16500        0 PB   .05500     13969   5192*8685  290     1.386 +/- .020E  6     131.4   9.479 +/-  .319E -5 ZR
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         125  Y   .15200        0     0.           4350   3679*8865  306     1.940 +/- .028E  6       9.5   4.871 +/- 1.414E -6 NB
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1207 ZR   .15900        0     0.           7667   6574*9050  325     2.772 +/- .039E  6      -2.0   -.714 +/- 1.406E -6 MO
        PEAK IS AT CHANNEL  414.33 WITH HALFWIDTH OF  6.97. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    636    576*0200  125     5.411 +/- .041E  4       1.0   1.918 +/- 1.734E -5 NI
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2580   1789*9365   43     4.011 +/- .031E  4      13.7   3.411 +/-  .439E -4  K
    FE PEAK IS AT CHANNEL  103.75 WITH HALFWIDTH OF  4.67.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8031 ;  BUR-200  GGL CARAGAY, LIMA, 103/J, 015
GAMMA SPECTRUM-B 573124

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.63CHANNELS
STD NUMBER 1                    -573030 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .72 0/0  EOB =      0.       MJD
IRRADIATION TIME =    J.   MIN  DECAY TIME = *327.53992 DAYS  COUNT TIME =      79.992 MIN  C/SEC BEG. =      0  C/SEC END =      0
START TIME = 43327.53992 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  7/ 3/1977 PST

NUCLIDE            COUNTS REMOVED FROM PEAK              GROSS   BKGD  APPR REAL  I  FLUX(N/MIN-CM2)          CPM    ELEMENT        ELEMENT
        COUNTS EL     MULT     COUNTS EL     MULT        COUNTS COUNTS PEAK PEAK  X                            EOB          ABUNDANCE
INCOH                                                    720980 128036  385  387     5.137 +/- .016E  5  552714.0    .108 +/- 3.259E  1
COH                                                      128646  42570*0412  415     1.526 +/- .012E  3    1557.3  1.021 +/-  .011E  0
FE                                                        13777   1668*0105  104     4.011 +/- .031E  4     219.1  5.462 +/-  .072E -3 FE
CR                                                          985   1031*9784   85     1.965 +/- .015E  4       -.8 -4.235 +/- 4.013E -5 CR
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120          0 CR   .11000     1618   1233*9874   94     2.599 +/- .020E  4       6.7  2.579 +/-  .417E -4 MN
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1517   1364*9604   67     3.610 +/- .028E  3       2.8  7.668 +/- 3.985E -4 TI
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1998   1532*9434   50     1.304 +/- .010E  3       8.4  6.468 +/-  .826E -3 CA
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1062   1098*9704   77     8.824 +/- .067E  3       -.7 -7.381 +/- 9.116E -5  V
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1775   1419*0394  148     1.604 +/- .012E  5       6.4  4.015 +/- 1.068E -5 ZN
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1424   1422*0284  137     1.163 +/- .009E  5        .0   .031 +/- 1.375E -5 CU
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2739   3878*8090  229     8.022 +/- .061E  4     -20.6 -2.569 +/-  .350E -4 PB
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      11186   3185*8230  242     7.681 +/- .333E  5     144.8  1.885 +/-  .090E -4 RB
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. RB PEAK IS SUMMED STARTING *77.00 CHANNELS HIGHER.
SR                                                       9898   2917*8390  259     9.808 +/- .198E  5     126.3  1.288 +/-  .039E -4 SR
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. SR PEAK IS SUMMED STARTING *61.00 CHANNELS HIGHER.
Y         1320 RB   .16500          0     0.          4858   2622*8535  274     1.373 +/- .028E  6      16.6  1.207 +/-  .189E -5  Y
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22.  Y PEAK IS SUMMED STARTING *46.50 CHANNELS HIGHER.
ZR        1152 SR   .16500          0 PB   .05500     13343   4671*8685  291     1.386 +/- .020E  6     136.1  9.818 +/-  .321E -5 ZR
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. ZR PEAK IS SUMMED STARTING *31.50 CHANNELS HIGHER.
NB         139  Y   .15200          0     0.          4112   3580*8865  307     1.940 +/- .028E  6       7.1  3.663 +/- 1.454E -6 NB
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. NB PEAK IS SUMMED STARTING *13.50 CHANNELS HIGHER.
MO        1196 ZR   .15900          0     0.          7292   6507*9050  326     2.772 +/- .039E  6      -7.4 -2.681 +/- 1.459E -6 MO
        PEAK IS AT CHANNEL  415.03 WITH HALFWIDTH OF  7.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        607    720*0200  126     5.411 +/- .041E  4      -2.0 -3.778 +/- 1.975E -5 NI
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2513   1798*9365   43     4.011 +/- .031E  4      12.9  3.225 +/-  .459E -4  K
    FE PEAK IS AT CHANNEL  104.25 WITH HALFWIDTH OF  4.66.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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   14 8031    1          1          1          1
A1573     S6 C50
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INCCH          100000      385  17  -25          30      1.0              0
COH            102311   200412   9   -8          12      1.0              0
FE     FE      100640   200105  29  -16           9   1  1.017          -2
CR     CR      100541  2099784   3   -5           5   1  30.      .49
MN     MN      100590  2099874  39   -6           6   1  30.      .648
                                                       .0012         2 3
 4    .11
TI     TI      100451  2099604  14   -6           6      30.      .090
CA     CA      100369  2099434  11  -13           6   1  30.      .0325
V      V       100495  2099704   4   -4           5   1  30.      .22
ZN     ZN      100863  2100394   7   -6          10      30.      4.
CU     CU      100805  2100284   5   -6           9      30.      2.9
PB     PB      101265  1098090   8   -8          11      30.      2.
RB     RB      101338  1098230   5   -8           9      7.0              -5
SR     SR      101415  1098390   7   -8          11      1.45             -4
Y      Y       101493  1098535   6   -7          11      130.     1.4
                                                       .165          112
ZR     ZR      101575  1098685   9   -8          15      2.52             -4
                                                       .165          213
11   .055
NB     NB      101659  1098865   7   -7          11      150.     1.4
                                                       .152          114
MO     MO      101744  1099050  12   -9          13      150.     2.0
                                                       .159          115
NI     NI      100747  2100200   5   -1           4   1  30.      1.349
K      K       100331  2099365  17   -4           6          30.00  1.0
                                                                        X
573032     517                        100.                  3
  8031 B  BACK     BACKGROUND
573030     517                        100.                  3
  8031 A  STD POT  STANDARD POTTERY

573034   5 17                     3
  8031 C  PLAST    THICK PLASTIC
                                        1
573036                            3
  8031 D  BUR-156  CS1 CHUPAS, AYACUCHO, FORMATIVE, CRUZATT EXCAVATIONS

573038                            3
  8031 E  BUR-157  CS2 CHUPAS, AYACUCHO, FORMATIVE

573040                            3
  8031 F  BUR-158  CS3 CHUPAS, AYACUCHO, FORMATIVE

573042                            3
  8031 G  BUR-159  CS4 CHUPAS, AYACUCHO, FORMATIVE
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573044                                  3
  8031 H  BUR-160 CS5 CHUPAS, AYACUCHO, EIP

573046                                  3
  8031 I  BUR-161  CP1 CERRO PUCARA, PUNO, SURFACE

573048                                  3
  8031 J  BUR-162  CP2 CERRO PUCARA, PUNO, SURFACE

573050                                  3
  8031 K  BUR-163  CP3 CERRO PUCARA, PUNO, SURFACE

573052                                  3
  8031 L  BUR-164  CP4 CERRO PUCARA, PUNO, SURFACE

573054                                  3
  8031 M  BUR-165  CP5 CERRO PUCARA, PUNO, SURFACE

573056                                  3
  8031 N  BUR-166  JC1 JACHALACA, AREQUIPA, SURFACE

573058                                  3
  8031 O  BUR-167  JC2 JACHALACA, AREQUIPA, SURFACE

573060                                  3
  8031 P  BUR-168  JC3 JACHALACA, AREQUIPA, SURFACE

573061                                  3
  8031 Q  BUR-169  JC4 JACHALACA, AREQUIPA, SURFACE

573063                                  3
  8031 R  BUR-170  JC5 JACHALACA, AREQUIPA, SURFACE

573065                                  3
  8031 S  BUR-171  QK1 QUELKATA, AREQUIPA, SURFACE

573067                                  3
  8031 T  BUR-172  QK2 QUELKATA, AREQUIPA, SURFACE

573070                                  3
  8031 U  BUR-173  QK3 QUELKATA, AREQUIPA, SURFACE

573072                                  3
  8031 V  BUR-174  QK4 QUELKATA, AREQUIPA, SURFACE

573074                                  3
  8031 W  BUR-175  QK5 QUELKATA, AREQUIPA, SURFACE

573076                                  3
  8031 X  BUR-176  HR1 HUILLCA RACCAY, CUZCO, KENDALLEXC, L9

573078                                  3
  8031 Y  BUR-177  HR2 HUILLCA RACCAY, CUZCO, KENDALLEXC, L6

573080                                  3
  8031 Z  BUR-178  HT1 HUILTOCCO, AREQUIPA, SURFACE

573082                                  3
  8031 1  BUR-179  HT2 HUILTOCCO, AREQUIPA, SURFACE

573084                                  3
  8031 2  BUR-180  HT3 HUILTOCCO, AREQUIPA, SURFACE
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573086                                  3
  8031 3  BUR-181   HT4 HUILTOCCO, AREQUIPA, SURFACE

573088                                  3
  8031 4  BUR-182   HT5 HUILTOCCO, AREQUIPA, SURFACE

573090                                  3
  8031 5  BUR-183   CC1 CABANACONDE, AREQUIPA, SURFACE

573092                                  3
  8031 6  BUR-184   CC2 CABANACONDE, AREQUIPA, SURFACE

573094                                  3
  8031 7  BUR-185   PX1 PACHAMACHAY, JUNIN, PAX10- LEVEL 5

573096                                  3
  8031 8  BUR-186   PX2 PACHAMACHAY, JUNIN, PAX3-79, LEVEL 23

573098                                  3
  8031 9  BUR-187   PX3 PACHAMACHAY, JUNIN, PAX6, LEVEL 6

573000                                  3
  8031 +  BUR-188   VZ1 VIZCACHAMI, AREQUIPA, SURFACE

573102                                  3
  8031 -  BUR-189   VZ2 VIZCACHAMI, AREQUIPA, SURFACE

573104                                  3
  8031 *  BUR-190   WQ1 WICHGANA, AYACUDO, EB-18, 45-D1, SANDOVAL EXC.

573106                                  3
  8031 /  BUR-191   WQ2 WICHGANA, AYACUDO, EB-1N3-W2, 10E

573108                                  3
  8031 >  BUR-192   PG1 PAMPAS GALERAS,ICA, SURFACE

573110                                  3
  8031 $  BUR-193   PG2 PAMPAS GALERAS,ICA, SURFACE

573112                                  3
  8031 .  BUR-194   PG3 PAMPAS GALERAS,ICA, SURFACE

573114                                  3
  8031 ]  BUR-195   PG4 PAMPAS GALERAS,ICA, SURFACE

573116                                  3
  8031 ≠  BUR-196   PG5 PAMPAS GALERAS,ICA, SURFACE

573118                                  3
  8031 •  BUR-197   CV1 WAMAN WAIN, ANDCASH, AN6-10-A1-F

573120                                  3
  8031 ^  BUR-198 CV2 WAMAN WAIN, ANCASH, AN6-10-A1-C

573122                                  3
  8031 †  BUR-199   CV3 PAJOC, ANCASH, AN6-2-A1-Q

573124                                  3
  8031 ;  BUR-200   GG1 GARAGAY, LIMA, 103/J, 015
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