DATE 20 JUN 78
BOMB 8060
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
606145	B	H		7.64
606144	A	H		7.70
606192	A	H		8.03
606146	C	H		7.67
606147	D	H		7.25
606148	E	H		7.51
606149	F	H		7.56
606150	G	H		7.57
606151	H	H		7.60
606152	I	H		7.51
606153	J	H		7.45
606154	K	H		7.53
606155	L	H		7.70
606156	M	H		7.56
606157	N	H		7.84
606158	O	H		7.61
606159	P	H		7.47
606160	Q	H		7.65
606161	R	H		7.51
606162	S	H		7.57
606163	T	H		7.54
606164	U	H		7.47
606165	V	H		7.60
606166	W	H		7.49
606167	X	H		7.69
606168	Y	H		7.51
606169	Z	H		7.55
606170	1	H		7.44
606171	2	H		7.67
606172	3	H		7.74
606173	4	H		7.54
606174	5	H		7.67
606175	6	H		7.59
606176	7	H		7.49
606177	8	H	+	7.53
606178	9	H		7.45
606179	+	H		5.61
606180	-	H		7.70
606181	*	H		7.86

606182	/	H		7.78
606183	(	H		7.95
606184	$	H		7.59
606185	.	H		7.85
606186	]	H		8.04
606187	≠	H		7.79
606188	→	H		7.82
606189	∧	H	+	7.76
606190	↑	H		7.71
606191	;	H		7.88

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 8060 B  BACK      BACKGROUND
GAMMA SPECTRUM-B 606145

 WEIGHT OF STD = 100.00000 MG     EOB =      0.      MJD    IRRADIATION TIME =    0.    MIN     DECAY TIME =     2143.50 DAYS
COUNT TIME =     79.998 MIN     C/SEC BEG. =      0     C/SEC END =      0     START TIME =     2143.50 MJD

THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.64CHANNELS

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     19715     3395 -25-0.     385  387 30 -0  17  16320.0  -0.      1.632 +/-  .028E  4
 1 COH   -0.   *2311  1.000 +/--0.    E  0      2198     1164  -8-0.   *0412  415 12 -0   9    633.6  -0.      6.336 +/-  .600E  2
 1 FE    -0.   *0640  6.300 +/--0.    E -3       185      141 -16-0.   *0105  102  9  1  29     27.0  -0.      4.279 +/- 2.001E  3
 1 CR    -0.   *0541 30.000 +/-  .490E -0        97       84  -5-0.   *9784   82  5  1   3      8.0  -0.       .266 +/-  .268E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CR PEAK IS INTEGRATED BEGINNING EXACTLY -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =        0 FE, (  .00120),        1 CR, (  .11000),
 1 MN    -0.   *0590 30.000 +/-  .648E -0        91       95  -6-0.   *9874   92  6  1  39     -3.4  -0.      -.112 +/- -.317E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. MN PEAK IS INTEGRATED BEGINNING EXACTLY -12.60 CHANNELS HIGHER.
 1 TI    -0.   *0451 30.000 +/-  .090E -0       110      106  -6-0.   *9604   65  6 -0  14      2.5  -0.      8.170 +/-45.748E -2
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. TI PEAK IS INTEGRATED BEGINNING EXACTLY -39.60 CHANNELS HIGHER.
 1 CA    -0.   *0369 30.000 +/-  .032E -0       130      193 -13-0.   *9434   48  6  1  11    -38.6  -0.     -1.287 +/- -.365E  0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CA PEAK IS INTEGRATED BEGINNING EXACTLY -56.60 CHANNELS HIGHER.
 1 V     -0.   *0495 30.000 +/-  .220E -0        83       92  -4-0.   *9704   74  5  1   4     -5.5  -0.      -.184 +/- -.258E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98.  V PEAK IS INTEGRATED BEGINNING EXACTLY -29.60 CHANNELS HIGHER.
 1 ZN    -0.   *0863 30.000 +/- 4.000E -0        77       81  -6-0.   *0394  146 10 -0   7     -2.5  -0.     -8.170 +/-*5.077E -2
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. ZN PEAK IS INTEGRATED BEGINNING EXACTLY  39.40 CHANNELS HIGHER.
 1 CU    -0.   *0805 30.000 +/- 2.900E -0       106      111  -6-0.   *0284  134  9 -0   5     -3.1  -0.      -.102 +/- -.503E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CU PEAK IS INTEGRATED BEGINNING EXACTLY  28.40 CHANNELS HIGHER.
 1 PB    -0.   *1265 30.000 +/- 2.000E -0        72       72  -8-0.   *8090  231 11 -0   8       .0  -0.      2.042 +/-*1.334E -5
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. PB PEAK IS INTEGRATED BEGINNING EXACTLY *91.00 CHANNELS HIGHER.
 1 RB    -0.   *1338  1.490 +/--0.    E -4        69       54  -8-0.   *8210  242  9  0   6      9.2  -0.      6.169 +/- 7.322E  4
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. RB PEAK IS INTEGRATED BEGINNING EXACTLY *79.00 CHANNELS HIGHER.
 1 SR    -0.   *1415  1.530 +/--0.    E -4        70       71  -1-0.   *8340  256 11  4 -37      -.6  -0.     -4.005 +/-*5.225E  3
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. SR PEAK IS INTEGRATED BEGINNING EXACTLY *66.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =        2 RB, (  .16500),
 1 Y     -0.   *1493130.000 +/- 1.400E -0        80       71  -1-0.   *8520  274 11  4 -55      4.0  -0.      3.076 +/- 7.866E -2
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82.  Y PEAK IS INTEGRATED BEGINNING EXACTLY *48.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =        0 SR, (  .16500),        0 PB, (  .05500),
 1 ZR    -0.   *1575  1.170 +/--0.    E -4        87      104  -1 1.070*8660  290 15  4 -70    -10.4  -0.     -8.904 +/-*1.777E  4
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. ZR PEAK IS INTEGRATED BEGINNING EXACTLY *34.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =        1  Y, (  .15200),
 1 NB    -0.   *1659150.000 +/- 1.400E -0        77       99  -1 1.400*8844  306 11  4 -86    -14.1  -0.     -9.392 +/--8.783E -2
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. NB PEAK IS INTEGRATED BEGINNING EXACTLY *15.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =        0 ZR, (  .15900),
 1 MO    -0.   *1744150.000 +/- 2.000E -0       150      154  -9-0.   *9050  328 13 -0  12     -2.5  -0.     -1.634 +/-*3.916E -2
       PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF  8.82. MO PEAK IS INTEGRATED BEGINNING EXACTLY -95.00 CHANNELS HIGHER.
 1 NI    -0.   *0747 30.000 +/- 1.349E -0        46       84  -1-0.   *0200  123  4  1   5    -23.3  -0.      -.776 +/- -.399E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. NI PEAK IS INTEGRATED BEGINNING EXACTLY  20.00 CHANNELS HIGHER.
 1 K     -0.   *0331 30.000 +/- 1.000E -0       170      181  -4-0.   *9365   41  6 -0  17     -6.7  -0.      -.225 +/- -.637E -0
     FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98.  K PEAK IS INTEGRATED BEGINNING EXACTLY -63.50 CHANNELS HIGHER.
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 8060 B  BACK      BACKGROUND
GAMMA SPECTRUM-B 606145

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.64CHANNELS
STD NUMBER 1                    -606145 B    SAMPLE WEIGHT = 100.00000 MG  DEAD TIME =   .02 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =    2143.50 DAYS  COUNT TIME =     79.998 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =     2143.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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.      19715   3395  385  387    1.632 +/- .028E  4       -.0 1.00000  -.006 +/- 1.692E -9
COH      -0.    *2311  -0.  -0.     -0.       2198   1164*0412  415    6.336 +/- .600E  2*0000000.0 1.00000  -.000 +/- 4.506E 20
FE       -0.    *0640  -0.  -0.     -0.        185    141*0105  102    4.279 +/-2.001E  3*0000000.0 1.00000  -.000 +/- 2.839E 18 FE
CR       -0.    *0541  -0.  -0.     -0.         97     84*9784   82    2.097 +/- .980E  3*0000000.0 1.00000  -.000 +/- 1.712E 18 CR
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 FE, (  .00120),        1 CR, (  .11000),
MN       -0.    *0590  -0.  -0.     -0.         91    95*9874   92    2.773 +/-1.296E  3*0000000.0  .00120   .000 +/- 5.459E 17 MN
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI       -0.    *0451  -0.  -0.     -0.        110   106*9604   65    3.852 +/-1.801E  2*0000000.0 1.00000  -.000 +/- 2.868E 18 TI
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA       -0.    *0369  -0.  -0.     -0.        130   193*9434   48    1.391 +/- .650E  2*0000000.0 1.00000   .000 +/- 1.251E 20 CA
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V        -0.    *0495  -0.  -0.     -0.         83    92*9704   74    9.415 +/-4.402E  2*0000000.0 1.00000   .000 +/- 2.640E 18  V
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN       -0.    *0863  -0.  -0.     -0.         77    81*0394  146    1.712 +/- .800E  4*0000000.0 1.00000   .000 +/- 6.452E 16 ZN
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU       -0.    *0805  -0.  -0.     -0.        106   111*0284  134    1.241 +/- .580E  4*0000000.0 1.00000   .000 +/- 1.112E 17 CU
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB       -0.    *1265  -0.  -0.     -0.         72    72*8090  231    8.559 +/-4.001E  3*0000000.0 1.00000  -.000 +/- 3.226E 13 PB
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB       -0.    *1338  -0.  -0.     -0.         69    54*8210  242    6.169 +/-7.322E  4*8653033.7 1.00000  -.000 +/- 3.255E 16 RB
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR       -0.    *1415  -0.  -0.     -0.         70    71*8340  256   10.000 +/- .000E -6*6126698.5 1.00000   .000 +/- 1.542E 25 SR
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       2 RB, (  .16500),
Y        -0.    *1493  -0.  -0.     -0.         80    71*8520  274   10.000 +/- .000E -6*5299281.3  .16500  -.000 +/- 1.132E 26  Y
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 SR, (  .16500),        0 PB, (  .05500),
ZR       -0.    *1575  -0.  -0.     -0.         87   104*8660  290   10.000 +/- .000E -6*6918539.7  .16500   .000 +/- 3.317E 26 ZR
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       1  Y, (  .15200),
NB       -0.    *1659  -0.  -0.     -0.         77    99*8844  306   10.000 +/- .000E -6*8418035.5  .15200   .000 +/- 5.049E 26 NB
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       0 ZR, (  .15900),
MO       -0.    *1744  -0.  -0.     -0.        150   154*9050  328   10.000 +/- .000E -6*1066465.2  .15900   .000 +/- 9.890E 25 MO
        PEAK IS AT CHANNEL  416.92 WITH HALFWIDTH OF 8.82. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI       -0.    *0747  -0.  -0.     -0.         46    84*0200  123    5.773 +/-2.699E  3*0000000.0 1.00000   .000 +/- 1.818E 18 NI
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K        -0.    *0331  -0.  -0.     -0.        170   181*9365   41    4.279 +/-2.001E  3*0000000.0 1.00000   .000 +/- 7.098E 17  K
    FE PEAK IS AT CHANNEL  101.89 WITH HALFWIDTH OF   .98.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 A  L-122     EL CHAYAL CONTROL
GAMMA SPECTRUM-B 606144

 WEIGHT OF STD = 100.00000 MG     EOB =      0.      MJD    IRRADIATION TIME =    0.   MIN    DECAY TIME =    79905.00 DAYS
COUNT TIME =     79.990 MIN    C/SEC BEG. =      0    C/SEC END =      0    START TIME =    79905.00 MJD

THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.70CHANNELS

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    478888   114991 -25-0.     385  388 30 -0  17 347577.0  -0.      3.476 +/-  .015E  5
 1 COH   -0.   *2311  1.000 +/--0.    E  0    118806    42835  -8-0.   *0412  415 12 -0   9   2185.7  -0.      2.186 +/-  .020E  3
 1 FE    -0.   *0640  6.300 +/--0.    E -3      8928     1363 -16-0.   *0105  104  9  1  29    217.6  -0.      3.455 +/-  .051E  4
 1 CR    -0.   *0541 30.000 +/-  .490E -0       759      782  -5-0.   *9784   84  5  1   3     -.7  -0.     -2.206 +/--3.656E -2
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. CR PEAK IS INTEGRATED BEGINNING EXACTLY -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       9 FE, (  .00120),        0 CR, (  .11000),
 1 MN    -0.   *0590 30.000 +/-  .648E -0      1338      937  -6-0.   *9874   94  6  1  39     11.3  -0.       .376 +/-  .051E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. MN PEAK IS INTEGRATED BEGINNING EXACTLY -12.60 CHANNELS HIGHER.
 1 TI    -0.   *0451 30.000 +/-  .090E -0      1121      940  -6-0.   *9604   67  6 -0  14      5.2  -0.       .174 +/-  .064E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. TI PEAK IS INTEGRATED BEGINNING EXACTLY -39.60 CHANNELS HIGHER.
 1 CA    -0.   *0369 30.000 +/-  .032E -0      1535     1130 -13-0.   *9434   50  6  1  11     11.7  -0.       .388 +/-  .049E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. CA PEAK IS INTEGRATED BEGINNING EXACTLY -56.60 CHANNELS HIGHER.
 1 V     -0.   *0495 30.000 +/-  .220E -0       851      815  -4-0.   *9704   76  5  1   4      1.0  -0.      3.452 +/- 3.751E -2
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02.  V PEAK IS INTEGRATED BEGINNING EXACTLY -29.60 CHANNELS HIGHER.
 1 ZN    -0.   *0863 30.000 +/- 4.000E -0      1517     1269  -6-0.   *0394  148 10 -0   7      7.1  -0.       .238 +/-  .085E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. ZN PEAK IS INTEGRATED BEGINNING EXACTLY  39.40 CHANNELS HIGHER.
 1 CU    -0.   *0805 30.000 +/- 2.900E -0      1248     1051  -6-0.   *0284  136  9 -0   5      5.7  -0.       .189 +/-  .075E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. CU PEAK IS INTEGRATED BEGINNING EXACTLY  28.40 CHANNELS HIGHER.
 1 PB    -0.   *1265 30.000 +/- 2.000E -0      2022     3878  -8-0.   *8090  231 11 -0   8    -53.4  -0.     -1.780 +/- -.147E  0
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. PB PEAK IS INTEGRATED BEGINNING EXACTLY *91.00 CHANNELS HIGHER.
 1 RB    -0.   *1338  1.490 +/--0.    E -4      7574     2166  -8-0.   *8210  242  9  0   6    139.1  -0.      9.333 +/-  .234E  5
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. RB PEAK IS INTEGRATED BEGINNING EXACTLY *79.00 CHANNELS HIGHER.
 1 SR    -0.   *1415  1.530 +/--0.    E -4      9231     1375  -1-0.   *8340  256 11  4 -37    203.9  -0.      1.333 +/-  .020E  6
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. SR PEAK IS INTEGRATED BEGINNING EXACTLY *66.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     892 RB, (  .16500),
 1 Y     -0.   *1493130.000 +/- 1.400E -0      4316     1375  -1-0.   *8520  274 11  4 -55     53.8  -0.       .414 +/-  .018E -0
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86.  Y PEAK IS INTEGRATED BEGINNING EXACTLY *48.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1296 SR, (  .16500),        0 PB, (  .05500),
 1 ZR    -0.   *1575  1.170 +/--0.    E -4     13218     2034  -1 1.070*8660  290 15  4 -70    263.7  -0.      2.253 +/-  .035E  6
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. ZR PEAK IS INTEGRATED BEGINNING EXACTLY *34.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     311  Y, (  .15200),
 1 NB    -0.   *1659150.000 +/- 1.400E -0      3269     1952  -1 1.400*8844  306 11  4 -86     27.4  -0.       .182 +/-  .019E -0
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. NB PEAK IS INTEGRATED BEGINNING EXACTLY *15.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1572 ZR, (  .15900),
 1 MO    -0.   *1744150.000 +/- 2.000E -0      5974     4780  -9-0.   *9050  328 13 -0  12    -10.6  -0.     -7.043 +/--3.554E -2
       PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.86. MO PEAK IS INTEGRATED BEGINNING EXACTLY -95.00 CHANNELS HIGHER.
 1 NI    -0.   *0747 30.000 +/- 1.349E -0       538      436  -1-0.   *0200  126  4  1   5      2.9  -0.      9.782 +/- 4.581E -2
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02. NI PEAK IS INTEGRATED BEGINNING EXACTLY  20.00 CHANNELS HIGHER.
 1 K     -0.   *0331 30.000 +/- 1.000E -0      1742     1426  -4-0.   *9365   43  6 -0  17      9.1  -0.       .303 +/-  .086E -0
     FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  5.02.  K PEAK IS INTEGRATED BEGINNING EXACTLY -63.50 CHANNELS HIGHER.
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8060 A L-122 EL CHAYAL CONTROL
GAMMA SPECTRUM-B 606144

THE IN (23.11KEV) PEAK HAS A HALFWIDTH OF 7.70CHANNELS
STD NUMBER 1 -606144 A SAMPLE WEIGHT = 100.00000 MG DEAD TIME = .49 O/O EOB = 0. MJD
IRRADIATION TIME = 0. MIN DECAY TIME = 79905.00 DAYS COUNT TIME = 79.990 MIN C/SEC BEG. = 0 C/SEC END = 0
START TIME = 79905.00 MJD PILL THICKNESS = -0. MILS SPECTRUM BEGAN 8/24/2077 PST

NUCLIDE	HALF LIFE DAYS	GAMMA ENERGY KEV	GAMMA INTENS. O/O	COUNT EFF. O/O	CROSS SECTION BARNS	GROSS COUNTS	BKGD COUNTS	APPR PEAK CHAN	REAL PEAK CHAN	FLUX(N/MIN-CM2)	CPM DECAY CORR.	MULT	ELEMENT ABUNDANCE	ELEMENT
INCOH	-0.	*0000	-0.	-0.	-0.	478888	114991	385	388	3.476 +/- .015E 5	347577.0	1.00000	.001 +/- 1.548E 3	
COH	-0.	*2311	-0.	-0.	-0.	118806	42835*0412	415		2.186 +/- .020E 3	2185.7	1.00000	1.000 +/- .013E 0	
FE	-0.	*0640	-0.	-0.	-0.	8928	1363*0105	104		3.455 +/- .051E 4	217.6	1.00000	6.300 +/- .131E -3	FE
CR	-0.	*0541	-0.	-0.	-0.	759	782*9784	84		1.693 +/- .025E 4	-.7	1.00000	-3.909 +/- 6.479E -5	CR
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.														
COUNTS REMOVED FROM NEXT PEAK = 9 FE, (.00120), 0 CR, (.11000),														
MN	-0.	*0590	-0.	-0.	-0.	1338	937*9874	94		2.239 +/- .033E 4	11.3	.00120	5.037 +/- .684E -4	MN
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.														
TI	-0.	*0451	-0.	-0.	-0.	1121	940*9604	67		3.109 +/- .046E 3	5.2	1.00000	1.675 +/- .617E -3	TI
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.														
CA	-0.	*0369	-0.	-0.	-0.	1535	1130*9434	50		1.123 +/- .016E 3	11.7	1.00000	1.038 +/- .133E -2	CA
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.														
V	-0.	*0495	-0.	-0.	-0.	851	815*9704	76		7.600 +/- .111E 3	1.0	1.00000	1.363 +/- 1.481E -4	V
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.														
ZN	-0.	*0863	-0.	-0.	-0.	1517	1269*0394	148		1.382 +/- .020E 5	7.1	1.00000	5.163 +/- 1.852E -5	ZN
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. ZN PEAK IS SUMMED STARTING 39.40 CHANNELS HIGHER.														
CU	-0.	*0805	-0.	-0.	-0.	1248	1051*0284	136		1.002 +/- .015E 5	5.7	1.00000	5.657 +/- 2.234E -5	CU
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. CU PEAK IS SUMMED STARTING 28.40 CHANNELS HIGHER.														
PB	-0.	*1265	-0.	-0.	-0.	2022	3878*8090	231		6.910 +/- .101E 4	-53.4	1.00000	-7.728 +/- .647E -4	PB
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.														
RB	-0.	*1338	-0.	-0.	-0.	7574	2166*8210	242		9.333 +/- .234E 5	139.1	1.00000	1.490 +/- .053E -4	RB
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.														
SR	-0.	*1415	-0.	-0.	-0.	9231	1375*8340	256		1.333 +/- .020E 6	203.9	1.00000	1.530 +/- .033E -4	SR
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.														
COUNTS REMOVED FROM NEXT PEAK = 892 RB, (.16500),														
Y	-0.	*1493	-0.	-0.	-0.	4316	1375*8520	274		1.866 +/- .028E 6	53.8	.16500	2.883 +/- .138E -5	Y
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.														
COUNTS REMOVED FROM NEXT PEAK = 1296 SR, (.16500), 0 PB, (.05500),														
ZR	-0.	*1575	-0.	-0.	-0.	13218	2034*8660	290		2.253 +/- .035E 6	263.7	.16500	1.170 +/- .026E -4	ZR
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.														
COUNTS REMOVED FROM NEXT PEAK = 311 Y, (.15200),														
NB	-0.	*1659	-0.	-0.	-0.	3269	1952*8844	306		3.155 +/- .049E 6	27.4	.15200	8.676 +/- .915E -6	NB
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.														
COUNTS REMOVED FROM NEXT PEAK = 1572 ZR, (.15900),														
MO	-0.	*1744	-0.	-0.	-0.	5974	4780*9050	328		4.507 +/- .070E 6	-10.6	.15900	-2.344 +/- 1.192E -6	MO
PEAK IS AT CHANNEL 416.96 WITH HALFWIDTH OF 8.86. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.														
NI	-0.	*0747	-0.	-0.	-0.	538	436*0200	126		4.660 +/- .068E 4	2.9	1.00000	6.297 +/- 2.951E -5	NI
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. NI PEAK IS SUMMED STARTING 20.00 CHANNELS HIGHER.														
K	-0.	*0331	-0.	-0.	-0.	1742	1426*9365	43		3.455 +/- .051E 4	9.1	1.00000	2.632 +/- .745E -4	K
FE PEAK IS AT CHANNEL 104.02 WITH HALFWIDTH OF 5.02. K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.														

COUNT RATE CORRECTION FOR LAST ELEMENT = I

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 8060 A  L-122     EL CHAYAL CONTROL
GAMMA SPECTRUM-B 606192

 WEIGHT OF STD = 100.00000 MG     EOB =      0.      MJD    IRRADIATION TIME =    0.    MIN     DECAY TIME =    79905.00 DAYS
COUNT TIME =     79.992 MIN     C/SEC BEG. =      0     C/SEC END =      0     START TIME =     79905.00 MJD

THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.03CHANNELS

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

 2 INCOH -0.   *0000  1.000 +/--0.    E  0    457443   117771 -25-0.     385  388 30 -0  17 323352.0  -0.      3.234 +/-  .016E  5
 2 COH   -0.   *2311  1.000 +/--0.    E  0    112968    45169  -8-0.   *0412  415 12 -0   9   2096.8  -0.      2.097 +/-  .022E  3
 2 FE    -0.   *0640  6.300 +/--0.    E -3      8290     1211 -16-0.   *0105  104  9  1  29    218.9  -0.      3.475 +/-  .053E  4
 2 CR    -0.   *0541 30.000 +/-  .490E -0       721      760  -5-0.   *9784   85  5  1   3     -1.2  -0.     -4.020 +/--3.844E -2
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CR PEAK IS INTEGRATED BEGINNING EXACTLY -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       8 FE, (  .00120),        0 CR, (  .11000),
 2 MN    -0.   *0590 30.000 +/-  .648E -0      1271      887  -6-0.   *9874   94  6  1  39     11.6  -0.       .387 +/-  .053E -0
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. MN PEAK IS INTEGRATED BEGINNING EXACTLY -12.60 CHANNELS HIGHER.
 2 TI    -0.   *0451 30.000 +/-  .090E -0      1081      983  -6-0.   *9604   67  6 -0  14      3.0  -0.       .101 +/-  .069E -0
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. TI PEAK IS INTEGRATED BEGINNING EXACTLY -39.60 CHANNELS HIGHER.
 2 CA    -0.   *0369 30.000 +/-  .032E -0      1479     1158 -13-0.   *9434   50  6  1  11      9.9  -0.       .331 +/-  .053E -0
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CA PEAK IS INTEGRATED BEGINNING EXACTLY -56.60 CHANNELS HIGHER.
 2 V     -0.   *0495 30.000 +/-  .220E -0       782      806  -4-0.   *9704   77  5  1   4      -.7  -0.     -2.474 +/--3.930E -2
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98.  V PEAK IS INTEGRATED BEGINNING EXACTLY -29.60 CHANNELS HIGHER.
 2 ZN    -0.   *0863 30.000 +/- 4.000E -0      1413     1099  -6-0.   *0394  148 10 -0   7      9.7  -0.       .324 +/-  .086E -0
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. ZN PEAK IS INTEGRATED BEGINNING EXACTLY  39.40 CHANNELS HIGHER.
 2 CU    -0.   *0805 30.000 +/- 2.900E -0      1137     1090  -6-0.   *0284  137  9 -0   5      1.5  -0.      4.845 +/- 8.028E -2
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CU PEAK IS INTEGRATED BEGINNING EXACTLY  28.40 CHANNELS HIGHER.
 2 PB    -0.   *1265 30.000 +/- 2.000E -0      1806     3746  -8-0.   *8090  231 11 -0   8    -60.0  -0.     -2.000 +/- -.155E  0
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. PB PEAK IS INTEGRATED BEGINNING EXACTLY *91.00 CHANNELS HIGHER.
 2 RB    -0.   *1338  1.490 +/--0.    E -4      7021     1926  -8-0.   *8210  242  9  0   6    140.8  -0.      9.452 +/-  .240E  5
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. RB PEAK IS INTEGRATED BEGINNING EXACTLY *79.00 CHANNELS HIGHER.
 2 SR    -0.   *1415  1.530 +/--0.    E -4      8795     1245  -1-0.   *8340  256 11  4 -37    210.6  -0.      1.377 +/-  .021E  6
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. SR PEAK IS INTEGRATED BEGINNING EXACTLY *66.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     841 RB, (  .16500),
 2 Y     -0.   *1493130.000 +/- 1.400E -0      3951     1245  -1-0.   *8520  274 11  4 -55     52.6  -0.       .405 +/-  .019E -0
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29.  Y PEAK IS INTEGRATED BEGINNING EXACTLY *48.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1246 SR, (  .16500),        0 PB, (  .05500),
 2 ZR    -0.   *1575  1.170 +/--0.    E -4     12592     1729  -1 1.070*8660  290 15  4 -70    275.7  -0.      2.356 +/-  .036E  6
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. ZR PEAK IS INTEGRATED BEGINNING EXACTLY *34.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     284  Y, (  .15200),
 2 NB    -0.   *1659150.000 +/- 1.400E -0      2989     1632  -1 1.400*8844  307 11  4 -86     31.4  -0.       .209 +/-  .019E -0
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. NB PEAK IS INTEGRATED BEGINNING EXACTLY *15.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1529 ZR, (  .15900),
 2 MO    -0.   *1744150.000 +/- 2.000E -0      5743     4554  -9-0.   *9050  328 13 -0  12    -10.2  -0.     -6.809 +/--3.746E -2
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. MO PEAK IS INTEGRATED BEGINNING EXACTLY -95.00 CHANNELS HIGHER.
 2 NI    -0.   *0747 30.000 +/- 1.349E -0       480      528  -1-0.   *0200  126  4  1   5     -1.5  -0.     -4.948 +/--5.248E -2
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. NI PEAK IS INTEGRATED BEGINNING EXACTLY  20.00 CHANNELS HIGHER.
 2 K     -0.   *0331 30.000 +/- 1.000E -0      1607     1369  -4-0.   *9365   43  6 -0  17      7.4  -0.       .245 +/-  .090E -0
     FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98.  K PEAK IS INTEGRATED BEGINNING EXACTLY -63.50 CHANNELS HIGHER.
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 8060 A  L-122     EL CHAYAL CONTROL
GAMMA SPECTRUM-B 606192

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.03CHANNELS
STD NUMBER 2                    -606192 A    SAMPLE WEIGHT = 100.00000 MG  DEAD TIME =    .49 O/O  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =   79905.00 DAYS  COUNT TIME =      79.992 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =    79905.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  8/24/2077 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.     457443 117771  385  388    3.234 +/- .016E  5  323352.0 1.00000    .001 +/- 1.562E  3
COH     -0.    *2311  -0.   -0.     -0.     112968  45169*0412  415    2.097 +/- .022E  3    2096.8 1.00000  1.000 +/-  .015E  0
FE      -0.    *0640  -0.   -0.     -0.       8290   1211*0105  104    3.475 +/- .053E  4     218.9 1.00000  6.300 +/-  .135E -3 FE
CR      -0.    *0541  -0.   -0.     -0.        721    760*9784   85    1.703 +/- .026E  4      -1.2 1.00000 -7.083 +/- 6.774E -5 CR
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =       8 FE, (  .00120),          0 CR, (  .11000),
MN      -0.    *0590  -0.   -0.     -0.       1271    887*9874   94    2.252 +/- .034E  4      11.6  .00120  5.157 +/-  .714E -4 MN
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI      -0.    *0451  -0.   -0.     -0.       1081    983*9604   67    3.128 +/- .047E  3       3.0 1.00000  9.691 +/- 6.645E -4 TI
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA      -0.    *0369  -0.   -0.     -0.       1479   1158*9434   50    1.129 +/- .017E  3       9.9 1.00000  8.790 +/- 1.411E -3 CA
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V       -0.    *0495  -0.   -0.     -0.        782    806*9704   77    7.645 +/- .116E  3      -.7 1.00000  -.971 +/- 1.542E -4  V
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN      -0.    *0863  -0.   -0.     -0.       1413   1099*0394  148    1.390 +/- .021E  5       9.7 1.00000  6.986 +/- 1.860E -5 ZN
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU      -0.    *0805  -0.   -0.     -0.       1137   1090*0284  137    1.008 +/- .015E  5       1.5 1.00000  1.442 +/- 2.390E -5 CU
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB      -0.    *1265  -0.   -0.     -0.       1806   3746*8090  231    6.950 +/- .105E  4     -60.0 1.00000 -8.633 +/-  .680E -4 PB
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB      -0.    *1338  -0.   -0.     -0.       7021   1926*8210  242    9.452 +/- .240E  5     140.8 1.00000  1.490 +/-  .054E -4 RB
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR      -0.    *1415  -0.   -0.     -0.       8795   1245*8340  256    1.377 +/- .021E  6     210.6 1.00000  1.530 +/-  .033E -4 SR
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     841 RB, (  .16500),
Y       -0.    *1493  -0.   -0.     -0.       3951   1245*8520  274    1.927 +/- .030E  6      52.6  .16500  2.731 +/-  .137E -5  Y
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1246 SR, (  .16500),          0 PB, (  .05500),
ZR      -0.    *1575  -0.   -0.     -0.      12592   1729*8660  290    2.356 +/- .036E  6     275.7  .16500  1.170 +/-  .025E -4 ZR
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =     284  Y, (  .15200),
NB      -0.    *1659  -0.   -0.     -0.       2989   1632*8844  307    3.298 +/- .051E  6      31.4  .15200  9.522 +/-  .876E -6 NB
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
      COUNTS REMOVED FROM NEXT PEAK =    1529 ZR, (  .15900),
MO      -0.    *1744  -0.   -0.     -0.       5743   4554*9050  328    4.712 +/- .072E  6     -10.2  .15900 -2.168 +/- 1.202E -6 MO
        PEAK IS AT CHANNEL  417.49 WITH HALFWIDTH OF  9.29. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI      -0.    *0747  -0.   -0.     -0.        480    528*0200  126    4.688 +/- .071E  4      -1.5 1.00000 -3.167 +/- 3.359E -5 NI
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K       -0.    *0331  -0.   -0.     -0.       1607   1369*9365   43    3.475 +/- .053E  4       7.4 1.00000  2.118 +/-  .774E -4  K
    FE PEAK IS AT CHANNEL  104.28 WITH HALFWIDTH OF  4.98.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =       I
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 8060 C  PLAST    THICK PLASTIC
GAMMA SPECTRUM-B 606146

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.67CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .32 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =    2143.50 DAYS  COUNT TIME =     79.998 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =     2143.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                  404178  68894  385  388     3.356 +/- .011E  5  318964.0    .001 +/- 1.182E  3
COH                                                     38953  21063*0412  415     2.144 +/- .015E  3     560.9    .262 +/-  .006E -0
FE                                                        795    756*0105  104     3.464 +/- .037E  4       1.2   3.529 +/- 4.089E -5 FE
CR                                                        475    460*9784   84     1.698 +/- .018E  4        .5   2.770 +/- 5.472E -5 CR
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            0 FE   .00120         2 CR   .11000      492    511*9874   94     2.245 +/- .024E  4       -.6  -2.890 +/- 5.030E -5 MN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        640    625*9604   67     3.118 +/- .033E  3        .5   1.508 +/- 5.353E -4 TI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        810    692*9434   50     1.126 +/- .012E  3       3.7   3.286 +/- 1.079E -3 CA
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         467    466*9704   76     7.622 +/- .080E  3        .0    .041 +/- 1.203E -4  V
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        735    677*0394  148     1.386 +/- .015E  5       1.8   1.312 +/- 1.457E -5 ZN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        731    601*0284  136     1.005 +/- .011E  5       4.1   4.057 +/- 1.839E -5 CU
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        942    853*8090  231     6.929 +/- .073E  4       2.8   4.027 +/- 3.396E -5 PB
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        700    721*8210  242     9.391 +/- .168E  5       -.3  -.340 +/- 1.021E -6 RB
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        869    907*8340  256     1.353 +/- .015E  6       -.7  -4.916 +/- 7.502E -7 SR
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y             0 RB   .16500         0     0.           941    907*8520  274     1.895 +/- .021E  6        .7   3.533 +/- 6.090E -7  Y
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR            0 SR   .16500         5 PB   .05500      1403   1248*8660  290     2.303 +/- .025E  6       3.3   1.444 +/-  .771E -6 ZR
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB            5  Y   .15200         0     0.          1243   1197*8844  306     3.224 +/- .035E  6       1.0   3.158 +/- 5.956E -7 NB
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO           24 ZR   .15900         0     0.          2204   2537*9050  328     4.606 +/- .050E  6     -10.0  -2.175 +/-  .826E -6 MO
        PEAK IS AT CHANNEL  416.73 WITH HALFWIDTH OF  9.10. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        303    244*0200  126     4.674 +/- .049E  4       1.8   3.958 +/- 2.399E -5 NI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         764    718*9365   43     3.464 +/- .037E  4       1.4   4.163 +/- 5.594E -5  K
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  1.44.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 D  BUR-337   FIERRO WASI, CUZCO,11A/1
GAMMA SPECTRUM-B 606147

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.25CHANNELS
STD NUMBER 1 2                -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .93 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  199339.00 DAYS  COUNT TIME =      79.991 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   199339.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              859923 201986  385  387    3.356 +/- .011E  5  641617.0    .002 +/- 3.926E  3
COH                                                215153  76626*0412  415    2.144 +/- .015E  3    2159.0  1.007 +/-  .010E  0
FE                                                  14329   2635*0105  104    3.464 +/- .037E  4     182.3  5.261 +/-  .084E -3 FE
CR                                                   1581   1540*9784   84    1.698 +/- .018E  4        .6  3.764 +/- 4.982E -5 CR
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120         5 CR   .11000    2184   1803*9874   94    2.245 +/- .024E  4       5.6  2.516 +/-  .494E -4 MN
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   2157   2050*9604   67    3.118 +/- .033E  3       1.7  5.348 +/- 4.840E -4 TI
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2862   2353*9434   50    1.126 +/- .012E  3       7.9  7.046 +/- 1.002E -3 CA
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1629   1593*9704   76    7.622 +/- .080E  3        .6   .736 +/- 1.112E -4  V
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2945   2467*0394  148    1.386 +/- .015E  5       7.4  5.376 +/- 1.393E -5 ZN
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   2348   2379*0284  136    1.005 +/- .011E  5       -.5 -.481 +/- 1.773E -5 CU
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   4562   9493*8090  231    6.929 +/- .073E  4     -76.9 -1.109 +/-  .055E -3 PB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  18144   4942*8210  242    9.391 +/- .168E  5     205.5  2.188 +/-  .052E -4 RB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                  11840   2810*8340  256    1.353 +/- .015E  6     140.6  1.039 +/-  .020E -4 SR
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         2178 RB   .16500         0     0.          8089   2810*8520  274    1.895 +/- .021E  6      48.3  2.547 +/-  .111E -5  Y
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        1490 SR   .16500         0 PB   .05500     24411   4100*8660  290    2.303 +/- .025E  6     293.0  1.272 +/-  .020E -4 ZR
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB         471  Y   .15200         0     0.          6939   3934*8844  306    3.224 +/- .035E  6      39.4  1.224 +/-  .074E -5 NB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        2993 ZR   .15900         0     0.         12146   9137*9050  328    4.606 +/- .050E  6       .3   .556 +/- 9.051E -7 MO
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.46. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                   1008    932*0200  125    4.674 +/- .049E  4       1.2  2.534 +/- 2.295E -5 NI
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    3352   2666*9365   43    3.464 +/- .037E  4      10.7  3.086 +/-  .548E -4  K
    FE PEAK IS AT CHANNEL  103.93 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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 8060 E  BUR-338  TA154 TARACO 31B/13
GAMMA SPECTRUM-B 606148

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.51CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .72 0/0  EOB =      0.       MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  157704.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   157704.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         653721 152299  385  388     3.356 +/- .011E  5  485102.0    .001 +/- 2.581E  3
INCOH
                                                         165094  60501*0412  415     2.144 +/- .015E  3    2156.1  1.005 +/-  .011E  0
COH
                                                          10305   2092*0105  104     3.464 +/- .037E  4     169.3  4.887 +/-  .089E -3 FE
FE
                                                           1237   1240*9784   84     1.698 +/- .018E  4       -.1  -.364 +/- 5.863E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
                                                           2057   1466*9874   94     2.245 +/- .024E  4      12.0  5.336 +/-  .609E -4 MN
MN          10 FE   .00120          0 CR   .11000
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                           1710   1579*9604   67     3.118 +/- .033E  3       2.7  8.661 +/- 5.643E -4 TI
TI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                           2240   1843*9434   50     1.126 +/- .012E  3       8.2  7.268 +/- 1.171E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                           1325   1297*9704   76     7.622 +/- .080E  3        .6   .757 +/- 1.327E -4  V
V
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                           2290   2023*0394  148     1.386 +/- .015E  5       5.5  3.972 +/- 1.659E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                           1953   1743*0284  136     1.005 +/- .011E  5       4.3  4.309 +/- 2.036E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                           3511   7508*8090  231     6.929 +/- .073E  4     -82.4 -1.189 +/-  .064E -3 PB
PB
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                          14827   3858*8210  242     9.391 +/- .168E  5     224.4  2.389 +/-  .059E -4 RB
RB
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
                                                           4983   2389*8340  256     1.353 +/- .015E  6      53.1  3.921 +/-  .169E -5 SR
SR
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
                                                           6790   2389*8520  274     1.895 +/- .021E  6      53.0  2.798 +/-  .133E -5  Y
Y          1810 RB   .16500          0     0.
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
                                                          12634   3486*8660  290     2.303 +/- .025E  6     178.5  7.752 +/-  .171E -5 ZR
ZR          428 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
                                                           5799   3345*8844  306     3.224 +/- .035E  6      42.2  1.310 +/-  .089E -5 NB
NB          394  Y   .15200          0     0.
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
                                                           7500   6476*9050  328     4.606 +/- .050E  6      -7.4 -1.617 +/-  .992E -6 MO
MO         1386 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.67. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                            831    808*0200  125     4.674 +/- .049E  4        .5  1.014 +/- 2.812E -5 NI
NI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                           2629   2153*9365   43     3.464 +/- .037E  4       9.8  2.832 +/-  .651E -4  K
K
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.54.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 F  BUR-339  TA154 TARACO 31B/37
GAMMA SPECTRUM-B 606149

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.56CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .71 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  153861.00 DAYS  COUNT TIME =     79.994 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   153861.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              639395 147266  385  388    3.356 +/- .011E  5  475809.0    .001 +/- 2.492E  3
COH                                                161529  56799*0412  415    2.144 +/- .015E  3    2201.1  1.026 +/-  .011E  0
FE                                                   8681   1925*0105  104    3.464 +/- .037E  4     142.0  4.098 +/-  .080E -3 FE
CR                                                   1101   1164*9784   84    1.698 +/- .018E  4      -1.3 -7.800 +/- 5.708E -5 CR
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            8 FE   .00120        0 CR   .11000    1746   1340*9874   94    2.245 +/- .024E  4       8.4  3.725 +/-  .583E -4 MN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1593   1428*9604   67    3.118 +/- .033E  3       3.5  1.112 +/-  .547E -3 TI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1996   1657*9434   50    1.126 +/- .012E  3       7.1  6.328 +/- 1.129E -3 CA
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1152   1172*9704   76    7.622 +/- .080E  3       -.4 -.551 +/- 1.272E -4  V
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2022   1753*0394  148    1.386 +/- .015E  5       5.7  4.080 +/- 1.579E -5 ZN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1655   1543*0284  136    1.005 +/- .011E  5       2.4  2.343 +/- 1.946E -5 CU
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   3022   6936*8090  231    6.929 +/- .073E  4     -82.3 -1.187 +/-  .063E -3 PB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  13651   3295*8210  242    9.391 +/- .168E  5     215.7  2.297 +/-  .056E -4 RB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   4573   2136*8340  256    1.353 +/- .015E  6      50.8  3.751 +/-  .163E -5 SR
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1709 RB   .16500        0     0.          6307   2136*8520  274    1.895 +/- .021E  6      51.3  2.708 +/-  .129E -5  Y
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          402 SR   .16500        0 PB   .05500    12132   3117*8660  290    2.303 +/- .025E  6     179.6  7.799 +/-  .169E -5 ZR
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          374  Y   .15200        0     0.          5495   2990*8844  306    3.224 +/- .035E  6      44.5  1.380 +/-  .087E -5 NB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1369 ZR   .15900        0     0.          7284   6374*9050  328    4.606 +/- .050E  6      -9.6 -2.088 +/- 1.000E -6 MO
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.72. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    748    688*0200  126    4.674 +/- .049E  4       1.3  2.698 +/- 2.661E -5 NI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.86. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2403   1955*9365   43    3.464 +/- .037E  4       9.4  2.718 +/-  .632E -4  K
    FE PEAK IS AT CHANNEL  104.05 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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  8060 G  BUR-340  TA156 TARACO 31B/15
GAMMA SPECTRUM-B 606150

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.57CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .49 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  164780.50 DAYS  COUNT TIME =      79.996 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   164780.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                     447416 109561  385  388     3.356 +/- .011E  5  321535.0    .001 +/- 1.447E  3
COH                                                       113448  40877*0412  415     2.144 +/- .015E  3    2257.0   1.052 +/-  .012E  0
FE                                                          6158   1496*0105  104     3.464 +/- .037E  4     145.0   4.185 +/-  .096E -3 FE
CR                                                           830    868*9784   84     1.698 +/- .018E  4      -1.2  -6.962 +/- 7.321E -5 CR
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            6 FE   .00120          0 CR   .11000     1341   1033*9874   94     2.245 +/- .024E  4       9.4   4.189 +/-  .754E -4 MN
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                          1206   1204*9604   67     3.118 +/- .033E  3        .1    .199 +/- 7.383E -4 TI
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                          1515   1345*9434   50     1.126 +/- .012E  3       5.3   4.696 +/- 1.477E -3 CA
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            909    923*9704   76     7.622 +/- .080E  3      -.4   -.571 +/- 1.672E -4  V
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                          1647   1407*0394  148     1.386 +/- .015E  5       7.5   5.386 +/- 2.098E -5 ZN
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                          1407   1235*0284  136     1.005 +/- .011E  5       5.3   5.324 +/- 2.595E -5 CU
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                          2311   5165*8090  231     6.929 +/- .073E  4     -88.8  -1.281 +/-  .080E -3 PB
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                         10288   2588*8210  242     9.391 +/- .168E  5     238.1   2.535 +/-  .068E -4 RB
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                          3382   1531*8340  256     1.353 +/- .015E  6      57.2   4.229 +/-  .205E -5 SR
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1270 RB   .16500          0     0.           4611   1531*8520  274     1.895 +/- .021E  6      56.0   2.953 +/-  .162E -5  Y
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          305 SR   .16500          0 PB   .05500      8930   2234*8660  290     2.303 +/- .025E  6     197.7   8.586 +/-  .207E -5 ZR
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          275  Y   .15200          0     0.           4048   2143*8844  306     3.224 +/- .035E  6      50.5   1.565 +/-  .109E -5 NB
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1016 ZR   .15900          0     0.           5313   4184*9050  328     4.606 +/- .050E  6       3.5    .760 +/- 1.215E -6 MO
        PEAK IS AT CHANNEL  416.89 WITH HALFWIDTH OF  8.50. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                           583    556*0200  125     4.674 +/- .049E  4        .8   1.797 +/- 3.526E -5 NI
    FE PEAK IS AT CHANNEL  103.90 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                           1812   1393*9365   43     3.464 +/- .037E  4      13.0   3.761 +/-  .792E -4  K
    FE PEAK IS AT CHANNEL  103.90 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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  8060 H  BUR-341  KQ1 Q,ELLOQAQA 38B/4-1
GAMMA SPECTRUM-B 606151

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.60CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .32 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  145415.50 DAYS  COUNT TIME =     79.996 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   145415.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   574829 130693  385  388    3.356 +/- .011E  5  427816.0    .001 +/- 2.111E  3
COH                                                     142197  50927*0412  415    2.144 +/- .015E  3    2133.4    .995 +/-  .011E -0
FE                                                        8374   1667*0105  104    3.464 +/- .037E  4     156.8   4.525 +/-  .088E -3 FE
CR                                                         980   1028*9784   84    1.698 +/- .018E  4      -1.1  -6.609 +/- 5.979E -5 CR
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          8 FE   .00120        0 CR   .11000       1601   1188*9874   94    2.245 +/- .024E  4       9.5   4.216 +/-  .616E -4 MN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1365   1326*9604   67    3.118 +/- .033E  3        .9   2.924 +/- 5.812E -4 TI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1810   1469*9434   50    1.126 +/- .012E  3       8.0   7.079 +/- 1.190E -3 CA
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1033   1042*9704   76    7.622 +/- .080E  3       -.2  -.276 +/- 1.337E -4  V
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1915   1615*0394  148    1.386 +/- .015E  5       7.0   5.060 +/- 1.689E -5 ZN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1475   1533*0284  136    1.005 +/- .011E  5      -1.4  -1.349 +/- 2.128E -5 CU
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2830   6408*8090  231    6.929 +/- .073E  4     -83.6  -1.207 +/-  .067E -3 PB
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      13258   3209*8210  242    9.391 +/- .168E  5     232.0   2.470 +/-  .061E -4 RB
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                       4258   1685*8340  256    1.353 +/- .015E  6      59.4   4.389 +/-  .169E -5 SR
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1658 RB   .16500        0     0.            5905   1685*8520  274    1.895 +/- .021E  6      59.2   3.123 +/-  .135E -5  Y
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          425 SR   .16500        0 PB   .05500       11343   2459*8660  290    2.303 +/- .025E  6     195.6   8.495 +/-  .177E -5 ZR
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          389  Y   .15200        0     0.            5179   2359*8844  306    3.224 +/- .035E  6      56.3   1.747 +/-  .089E -5 NB
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1345 ZR   .15900        0     0.            6560   5841*9050  328    4.606 +/- .050E  6     -14.6  -3.161 +/- 1.065E -6 MO
        PEAK IS AT CHANNEL  416.93 WITH HALFWIDTH OF  8.59. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        616    576*0200  125    4.674 +/- .049E  4        .9   2.001 +/- 2.703E -5 NI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2450   1785*9365   43    3.464 +/- .037E  4      15.5   4.487 +/-  .684E -4  K
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.28.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 I  BUR-342  KQ2 Q,ELLOQAQA 38B/4-3
GAMMA SPECTRUM-B 606152

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.51CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =  1.01 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  168613.00 DAYS  COUNT TIME =      79.886 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   168613.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                   927142 204231  385  388    3.356 +/- .011E  5  706591.0    .002 +/- 4.359E  3
INCOH
                                                   222034  83042*0412  415    2.144 +/- .015E  3    1967.1    .917 +/-  .009E -0
COH
                                                    14552   2488*0105  104    3.464 +/- .037E  4     170.7   4.928 +/-  .078E -3 FE
FE
                                                     1453   1472*9784   84    1.698 +/- .018E  4      -.3  -1.584 +/- 4.376E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
          14 FE   .00120          0 CR   .11000      2606   1766*9874   94    2.245 +/- .024E  4      11.7   5.204 +/-  .466E -4 MN
MN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                     2020   1843*9604   67    3.118 +/- .033E  3       2.5   8.034 +/- 4.196E -4 TI
TI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                     2746   2247*9434   50    1.126 +/- .012E  3       7.1   6.272 +/-  .890E -3 CA
CA
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                     1580   1522*9704   76    7.622 +/- .080E  3        .8   1.077 +/-  .991E -4  V
V
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                     2663   2166*0394  148    1.386 +/- .015E  5       7.0   5.076 +/- 1.190E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                     2229   1991*0284  136    1.005 +/- .011E  5       3.4   3.353 +/- 1.490E -5 CU
CU
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                     4413  10500*8090  231    6.929 +/- .073E  4     -86.1  -1.243 +/-  .053E -3 PB
PB
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                    20791   5346*8210  242    9.391 +/- .168E  5     217.5   2.316 +/-  .053E -4 RB
RB
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
                                                     6538   2667*8340  256    1.353 +/- .015E  6      54.5   4.028 +/-  .131E -5 SR
SR
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
                                                     9200   2667*8520  274    1.895 +/- .021E  6      56.1   2.962 +/-  .105E -5  Y
Y          2548 RB   .16500          0     0.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
                                                    17670   3892*8660  290    2.303 +/- .025E  6     185.1   8.039 +/-  .144E -5 ZR
ZR          639 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
                                                     8090   3734*8844  306    3.224 +/- .035E  6      52.9   1.640 +/-  .069E -5 NB
NB          606  Y   .15200          0     0.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
                                                    10709   9217*9050  328    4.606 +/- .050E  6      -8.4  -1.831 +/-  .813E -6 MO
MO         2089 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  8.75. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                      964    976*0200  126    4.674 +/- .049E  4       -.2   -.363 +/- 2.113E -5 NI
NI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                     3607   2661*9365   43    3.464 +/- .037E  4      13.4   3.864 +/-  .505E -4  K
K
    FE PEAK IS AT CHANNEL  104.06 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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 8060 J  BUR-343  KQ3 Q,ELLOQAQA 38B/3-1
GAMMA SPECTRUM-B 606153

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.45CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .64 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  197393.50 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   197393.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              614834 145656  385  388    3.356 +/- .011E  5  452858.0    .001 +/- 2.352E  3
COH                                                157335  58211*0412  415    2.144 +/- .015E  3    2188.9  1.021 +/-  .011E  0
FE                                                   8098   2055*0105  104    3.464 +/- .037E  4     133.4  3.852 +/-  .081E -3 FE
CR                                                   1157   1196*9784   84    1.698 +/- .018E  4      -.9 -5.073 +/- 6.126E -5 CR
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120         0 CR   .11000     1868   1435*9874   94    2.245 +/- .024E  4       9.4  4.188 +/-  .633E -4 MN
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1598   1430*9604   67    3.118 +/- .033E  3       3.7  1.190 +/-  .579E -3 TI
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2141   1789*9434   50    1.126 +/- .012E  3       7.8  6.903 +/- 1.230E -3 CA
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1248   1210*9704   76    7.622 +/- .080E  3        .8  1.101 +/- 1.376E -4  V
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2179   1926*0394  148    1.386 +/- .015E  5       5.6  4.031 +/- 1.739E -5 ZN
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1861   1795*0284  136    1.005 +/- .011E  5       1.5  1.451 +/- 2.201E -5 CU
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   3176   6870*8090  231    6.929 +/- .073E  4     -81.6 -1.177 +/-  .066E -3 PB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  12624   3442*8210  242    9.391 +/- .168E  5     202.5  2.156 +/-  .056E -4 RB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   4484   2257*8340  256    1.353 +/- .015E  6      49.1  3.628 +/-  .174E -5 SR
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y        1515 RB   .16500         0     0.          6058   2257*8520  274    1.895 +/- .021E  6      50.4  2.660 +/-  .136E -5  Y
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        367 SR   .16500         0 PB   .05500     11406   3293*8660  290    2.303 +/- .025E  6     170.8  7.417 +/-  .174E -5 ZR
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        347  Y   .15200         0     0.          5442   3160*8844  306    3.224 +/- .035E  6      42.7  1.323 +/-  .093E -5 NB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1232 ZR   .15900         0     0.          6879   6062*9050  328    4.606 +/- .050E  6      -9.1 -1.986 +/- 1.029E -6 MO
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    826    784*0200  126    4.674 +/- .049E  4        .9  1.984 +/- 2.974E -5 NI
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2620   2063*9365   43    3.464 +/- .037E  4      12.3  3.550 +/-  .687E -4  K
    FE PEAK IS AT CHANNEL  104.02 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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  8060 K  BUR-344  KQ4 Q,ELLOQAQA 38B/3-2
GAMMA SPECTRUM-B 606154

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.53CHANNELS
STD NUMBER 1 2                    -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .89 0/0  EOB =      0.       MJD
IRRADIATION TIME =   0.    MIN DECAY TIME =  228637.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   228637.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                        871134 192632  385  388     3.356 +/- .011E  5  662182.0    .002 +/- 3.971E  3
INCOH                                                   208525  78670*0412  415     2.144 +/- .015E  3    1961.0    .914 +/-  .009E -0
COH                                                      14096   2693*0105  104     3.464 +/- .037E  4     172.2   4.971 +/-  .081E -3 FE
FE                                                        1560   1602*9784   84     1.698 +/- .018E  4      -.6  -3.736 +/- 4.858E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120          0 CR    .11000    2638   1906*9874   94     2.245 +/- .024E  4      10.8   4.832 +/-  .508E -4 MN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       2168   2044*9604   67     3.118 +/- .033E  3       1.9   6.006 +/- 4.720E -4 TI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       2784   2301*9434   50     1.126 +/- .012E  3       7.3   6.478 +/-  .959E -3 CA
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1638   1609*9704   76     7.622 +/- .080E  3        .4    .575 +/- 1.081E -4  V
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       3016   2541*0394  148     1.386 +/- .015E  5       7.2   5.176 +/- 1.371E -5 ZN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       2375   2226*0284  136     1.005 +/- .011E  5       2.3   2.240 +/- 1.680E -5 CU
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       4401   9889*8090  231     6.929 +/- .073E  4     -82.9  -1.196 +/-  .054E -3 PB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      19700   5009*8210  242     9.391 +/- .168E  5     221.8   2.362 +/-  .054E -4 RB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                       6451   2959*8340  256     1.353 +/- .015E  6      52.7   3.895 +/-  .142E -5 SR
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          2424 RB   .16500          0      0.       8841   2959*8520  274     1.895 +/- .021E  6      52.2   2.755 +/-  .112E -5  Y
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          576 SR   .16500          0 PB    .05500   16508   4249*8660  290     2.303 +/- .025E  6     176.4   7.659 +/-  .149E -5 ZR
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          526  Y   .15200          0      0.       7399   4077*8844  306     3.224 +/- .035E  6      42.2   1.310 +/-  .073E -5 NB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1858 ZR   .15900          0      0.      10077   8801*9050  328     4.606 +/- .050E  6      -8.8  -1.907 +/-  .848E -6 MO
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.65. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       1041    976*0200  126     4.674 +/- .049E  4       1.0   2.100 +/- 2.272E -5 NI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.78. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        3262   2763*9365   43     3.464 +/- .037E  4       7.5   2.175 +/-  .538E -4  K
    FE PEAK IS AT CHANNEL  104.06 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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  8060 L  BUR-345  KQ5 Q,ELLOQAQA 38B/4-2
GAMMA SPECTRUM-B 606155

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.70CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .66 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  160435.50 DAYS  COUNT TIME =     79.996 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   160435.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              613810 148834  385  388    3.356 +/- .011E  5  448656.0    .001 +/- 2.353E  3
COH                                                152720  60181*0412  415    2.144 +/- .015E  3    2062.6   .962 +/-  .011E -0
FE                                                   6747   1735*0105  104    3.464 +/- .037E  4     111.7  3.224 +/-  .073E -3 FE
CR                                                   1130   1035*9784   84    1.698 +/- .018E  4       2.1  1.247 +/-  .593E -4 CR
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          6 FE   .00120        10 CR   .11000     1514   1213*9874   94    2.245 +/- .024E  4       6.3  2.825 +/-  .582E -4 MN
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1569   1400*9604   67    3.118 +/- .033E  3       3.8  1.208 +/-  .578E -3 TI
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2435   1689*9434   50    1.126 +/- .012E  3      16.6  1.477 +/-  .128E -2 CA
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1112   1098*9704   76    7.622 +/- .080E  3        .3   .409 +/- 1.317E -4  V
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1957   1592*0394  148    1.386 +/- .015E  5       8.1  5.871 +/- 1.610E -5 ZN
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1673   1569*0284  136    1.005 +/- .011E  5       2.3  2.307 +/- 2.075E -5 CU
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2892   6573*8090  231    6.929 +/- .073E  4     -82.0 -1.184 +/-  .065E -3 PB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  12577   3420*8210  242    9.391 +/- .168E  5     202.7  2.158 +/-  .056E -4 RB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   4536   2037*8340  256    1.353 +/- .015E  6      55.3  4.087 +/-  .171E -5 SR
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y        1511 RB   .16500         0     0.           5870   2037*8520  274    1.895 +/- .021E  6      51.4  2.713 +/-  .133E -5  Y
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        412 SR   .16500         0 PB   .05500      11472   2972*8660  290    2.303 +/- .025E  6     179.2  7.780 +/-  .173E -5 ZR
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        353  Y   .15200         0     0.           5310   2852*8844  306    3.224 +/- .035E  6      46.7  1.448 +/-  .090E -5 NB
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1286 ZR   .15900         0     0.           6926   5817*9050  328    4.606 +/- .050E  6      -3.9  -.854 +/- 1.018E -6 MO
        PEAK IS AT CHANNEL  417.09 WITH HALFWIDTH OF  8.84. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    715    756*0200  126    4.674 +/- .049E  4       -.9 -1.955 +/- 2.916E -5 NI
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1975   1833*9365   43    3.464 +/- .037E  4       3.2  9.136 +/- 6.372E -5  K
    FE PEAK IS AT CHANNEL  104.07 WITH HALFWIDTH OF  5.04.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 M  BUR-346  PK-1  PIKICALLEPATA 8B-1
GAMMA SPECTRUM-B 606156

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.56CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .66 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  202485.00 DAYS  COUNT TIME =      79.996 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   202485.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   587959 144078  385  388     3.356 +/- .011E  5  427561.0    .001 +/- 2.207E  3
COH                                                     151754  58778*0412  415     2.144 +/- .015E  3    2174.6  1.014 +/-  .011E  0
FE                                                        6159   2082*0105  104     3.464 +/- .037E  4      95.4  2.752 +/-  .073E -3 FE
CR                                                        1225   1237*9784   84     1.698 +/- .018E  4      -.3 -1.653 +/- 6.627E -5 CR
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120        0 CR   .11000        1674   1431*9874   94     2.245 +/- .024E  4       5.6  2.481 +/-  .652E -4 MN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1571   1522*9604   67     3.118 +/- .033E  3       1.1  3.675 +/- 6.213E -4 TI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1988   1773*9434   50     1.126 +/- .012E  3       5.0  4.466 +/- 1.274E -3 CA
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1276   1258*9704   76     7.622 +/- .080E  3        .4   .552 +/- 1.480E -4  V
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        2120   1937*0394  148     1.386 +/- .015E  5       4.3  3.089 +/- 1.839E -5 ZN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1869   1808*0284  136     1.005 +/- .011E  5       1.4  1.420 +/- 2.336E -5 CU
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        3064   6424*8090  231     6.929 +/- .073E  4     -78.6 -1.134 +/-  .067E -3 PB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       12023   3524*8210  242     9.391 +/- .168E  5     198.6  2.114 +/-  .057E -4 RB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        4145   2271*8340  256     1.353 +/- .015E  6      43.8  3.235 +/-  .180E -5 SR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1402 RB   .16500        0     0.              5713   2271*8520  274     1.895 +/- .021E  6      47.7  2.515 +/-  .142E -5  Y
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          309 SR   .16500        0 PB   .05500         10695   3358*8660  290     2.303 +/- .025E  6     164.2  7.130 +/-  .179E -5 ZR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          310  Y   .15200        0     0.              5033   3221*8844  306     3.224 +/- .035E  6      35.1  1.089 +/-  .097E -5 NB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1117 ZR   .15900        0     0.              6494   5584*9050  328     4.606 +/- .050E  6      -4.8 -1.053 +/- 1.048E -6 MO
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.95. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         788    812*0200  126     4.674 +/- .049E  4       -.6 -1.201 +/- 3.179E -5 NI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2259   2029*9365   43     3.464 +/- .037E  4       5.4  1.553 +/-  .709E -4  K
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.84.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 N  BUR-347  PK-2  PIKICALLEPATA 8B-3-1
GAMMA SPECTRUM-B 606157

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.84CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .49 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =   89783.50 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =    89783.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   463652 112037  385  388     3.356 +/- .011E  5  335295.0    .001 +/- 1.525E  3
COH                                                     116303  44461*0412  415     2.144 +/- .015E  3    2142.7    .999 +/-  .012E -0
FE                                                        5769   1224*0105  104     3.464 +/- .037E  4     135.6   3.913 +/-  .088E -3 FE
CR                                                         758    708*9784   84     1.698 +/- .018E  4       1.5   8.784 +/- 6.546E -5 CR
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120        5 CR   .11000       1028    839*9874   94     2.245 +/- .024E  4       5.3   2.365 +/-  .645E -4 MN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         965    938*9604   67     3.118 +/- .033E  3        .8   2.583 +/- 6.248E -4 TI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1276   1146*9434   50     1.126 +/- .012E  3       3.9   3.443 +/- 1.302E -3 CA
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          764    763*9704   76     7.622 +/- .080E  3        .0    .039 +/- 1.464E -4  V
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1332   1178*0394  148     1.386 +/- .015E  5       4.6   3.314 +/- 1.835E -5 ZN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1053   1089*0284  136     1.005 +/- .011E  5      -1.1  -1.069 +/- 2.302E -5 CU
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        1817   3229*8090  231     6.929 +/- .073E  4     -42.1  -6.078 +/-  .606E -4 PB
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        6018   1923*8210  242     9.391 +/- .168E  5     112.3   1.196 +/-  .042E -4 RB
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        4748   1300*8340  256     1.353 +/- .015E  6      95.1   7.029 +/-  .203E -5 SR
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         676 RB   .16500        0     0.              3305   1300*8520  274     1.895 +/- .021E  6      37.0   1.950 +/-  .127E -5  Y
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        569 SR   .16500        0 PB   .05500         10413   1897*8660  290     2.303 +/- .025E  6     223.4   9.702 +/-  .201E -5 ZR
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        202  Y   .15200        0     0.              3151   1820*8844  306     3.224 +/- .035E  6      32.2   9.996 +/-  .907E -6 NB
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1264 ZR   .15900        0     0.              5372   4060*9050  328     4.606 +/- .050E  6       1.4    .306 +/- 1.127E -6 MO
       PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF  9.09. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         497    496*0200  125     4.674 +/- .049E  4        .0    .064 +/- 3.179E -5 NI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         1464   1316*9365   43     3.464 +/- .037E  4       4.4   1.274 +/-  .730E -4  K
    FE PEAK IS AT CHANNEL  103.99 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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  8060 0  BUR-348  PK-3  PIKICALLEPATA 8B/17
GAMMA SPECTRUM-B 606158

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.61CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .53 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  101087.50 DAYS  COUNT TIME =     79.994 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   101087.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              495104 120576  385  388     3.356 +/- .011E  5  358208.0    .001 +/- 1.689E  3
COH                                                122811  46643*0412  415     2.144 +/- .015E  3    2126.4    .992 +/-  .012E -0
FE                                                   6445   1263*0105  104     3.464 +/- .037E  4     144.7   4.176 +/-  .088E -3 FE
CR                                                    832    791*9784   85     1.698 +/- .018E  4       1.1   6.742 +/- 6.418E -5 CR
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          6 FE   .00120        5 CR   .11000      1262    901*9874   94     2.245 +/- .024E  4       9.8   4.356 +/-  .648E -4 MN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1108   1045*9604   67     3.118 +/- .033E  3       1.8   5.641 +/- 6.192E -4 TI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1470   1275*9434   50     1.126 +/- .012E  3       5.4   4.835 +/- 1.298E -3 CA
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     796    858*9704   77     7.622 +/- .080E  3      -1.7  -2.271 +/- 1.424E -4  V
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1545   1288*0394  148     1.386 +/- .015E  5       7.2   5.177 +/- 1.808E -5 ZN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1214   1205*0284  137     1.005 +/- .011E  5        .3    .250 +/- 2.271E -5 CU
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2355   5616*8090  231     6.929 +/- .073E  4     -91.0  -1.314 +/-  .075E -3 PB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  11114   2987*8210  242     9.391 +/- .168E  5     213.9   2.278 +/-  .061E -4 RB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   3645   1364*8340  256     1.353 +/- .015E  6      60.2   4.451 +/-  .176E -5 SR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y        1341 RB   .16500        0     0.            5072   1364*8520  274     1.895 +/- .021E  6      62.8   3.315 +/-  .142E -5  Y
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        376 SR   .16500        0 PB   .05500        9828   1990*8660  290     2.303 +/- .025E  6     199.4   8.660 +/-  .186E -5 ZR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        360  Y   .15200        0     0.            4362   1910*8844  306     3.224 +/- .035E  6      56.5   1.753 +/-  .094E -5 NB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1186 ZR   .15900        0     0.            5504   4825*9050  328     4.606 +/- .050E  6     -13.9  -3.020 +/- 1.140E -6 MO
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.94. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    541    544*0200  126     4.674 +/- .049E  4       -.1   -.179 +/- 3.114E -5 NI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1718   1451*9365   43     3.464 +/- .037E  4       7.5   2.151 +/-  .720E -4  K
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.59.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 P  BUR-349  PK-4  PIKICALLEPATA 8B/3-2
GAMMA SPECTRUM-B 606159

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.47CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .85 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  164178.50 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   164178.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         796834 180578  385  388     3.356 +/- .011E  5  599936.0   .002 +/- 3.475E  3
INCOH                                                    195573  71375*0412  415     2.144 +/- .015E  3    2070.2   .965 +/-  .010E -0
COH                                                       10901   2200*0105  104     3.464 +/- .037E  4     145.0  4.186 +/-  .074E -3 FE
FE                                                         1358   1324*9784   84     1.698 +/- .018E  4        .6  3.338 +/- 4.936E -5 CR
CR                                                       4.76. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       2074   1550*9874   94     2.245 +/- .024E  4       8.5  3.785 +/-  .502E -4 MN
MN          10 FE   .00120          4 CR   .11000        4.76. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       1826   1700*9604   67     3.118 +/- .033E  3       2.1  6.736 +/- 4.743E -4 TI
TI                                                       4.76. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       2447   1993*9434   50     1.126 +/- .012E  3       7.6  6.721 +/-  .989E -3 CA
CA                                                       4.76. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       1339   1364*9704   76     7.622 +/- .080E  3      -.4 -.547 +/- 1.088E -4  V
V                                                        4.76.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       2673   2061*0394  148     1.386 +/- .015E  5      10.2  7.361 +/- 1.379E -5 ZN
ZN                                                       4.76. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       2005   2037*0284  136     1.005 +/- .011E  5      -.5 -.531 +/- 1.759E -5 CU
CU                                                       4.76. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       3884   9119*8090  231     6.929 +/- .073E  4     -87.3 -1.259 +/-  .058E -3 PB
PB                                                       8.66. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF     18469   4330*8210  242     9.391 +/- .168E  5     234.3  2.495 +/-  .057E -4 RB
RB                                                       8.66. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF      5838   2472*8340  256     1.353 +/- .015E  6      55.8  4.121 +/-  .145E -5 SR
SR                                                       8.66. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF      8095   2472*8520  274     1.895 +/- .021E  6      54.5  2.878 +/-  .115E -5  Y
Y          2333 RB   .16500          0     0.            8.66.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF     15378   3607*8660  290     2.303 +/- .025E  6     186.0  8.075 +/-  .155E -5 ZR
ZR          555 SR   .16500          0 PB   .05500       8.66. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF      7099   3461*8844  306     3.224 +/- .035E  6      52.1  1.615 +/-  .076E -5 NB
NB          500  Y   .15200          0     0.            8.66. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF      9070   7739*9050  328     4.606 +/- .050E  6      -7.5 -1.632 +/-  .875E -6 MO
MO         1783 ZR   .15900          0     0.            8.66. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.05 WITH HALFWIDTH OF       863    828*0200  125     4.674 +/- .049E  4        .6  1.248 +/- 2.305E -5 NI
NI                                                       4.76. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF       3005   2388*9365   43     3.464 +/- .037E  4      10.3  2.969 +/-  .556E -4  K
K                                                        4.76.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
    FE PEAK IS AT CHANNEL  103.93 WITH HALFWIDTH OF
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 Q  BUR-350  PK-5  PIKICALLEPATA 8B/6
GAMMA SPECTRUM-B 606160

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.65CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .74 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  209949.50 DAYS  COUNT TIME =      79.993 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   209949.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   660684 158219  385  388     3.356 +/- .011E  5  486145.0    .001 +/- 2.633E  3
COH                                                     171431  64081*0412  415     2.144 +/- .015E  3    2208.2  1.030 +/-   .011E  0.
FE                                                        8694   2291*0105  104     3.464 +/- .037E  4     131.7  3.802 +/-   .079E -3 FE
CR                                                        1362   1362*9784   84     1.698 +/- .018E  4        .0   .000 +/- 1.227E -4 CR
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          8 FE   .00120         0 CR   .11000        1805   1580*9874   94     2.245 +/- .024E  4       4.5  1.991 +/-   .608E -4 MN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1877   1758*9604   67     3.118 +/- .033E  3       2.4  7.851 +/- 5.922E -4 TI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2318   2041*9434   50     1.126 +/- .012E  3       5.7  5.060 +/- 1.206E -3 CA
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1423   1408*9704   76     7.622 +/- .080E  3        .3   .405 +/- 1.375E -4  V
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        2526   2097*0394  148     1.386 +/- .015E  5       8.8  6.368 +/- 1.699E -5 ZN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        2147   1874*0284  136     1.005 +/- .011E  5       5.6  5.589 +/- 2.114E -5 CU
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        3068   5137*8090  231     6.929 +/- .073E  4     -42.6 -6.142 +/-   .530E -4 PB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        8769   2998*8210  242     9.391 +/- .168E  5     118.6  1.263 +/-   .040E -4 RB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        7057   2557*8340  256     1.353 +/- .015E  6      92.5  6.834 +/-   .197E -5 SR
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           952 RB   .16500         0     0.             4775   2557*8520  274     1.895 +/- .021E  6      26.0  1.373 +/-   .122E -5  Y
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          742 SR   .16500         0 PB   .05500        14533   3731*8660  290     2.303 +/- .025E  6     206.8  8.979 +/-   .186E -5 ZR
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          192  Y   .15200         0     0.             4440   3580*8844  306     3.224 +/- .035E  6      13.7  4.257 +/-   .869E -6 NB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1599 ZR   .15900         0     0.             7828   6324*9050  328     4.606 +/- .050E  6      -2.0 -4.262 +/- 9.835E -7 MO
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.75. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         952    940*0200  125     4.674 +/- .049E  4        .2   .528 +/- 3.021E -5 NI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         3121   2395*9365   43     3.464 +/- .037E  4      14.9  4.311 +/-   .691E -4  K
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.83.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 R  BUR-351  PK-6  PIKICALLEPATA 8B/7B-1
GAMMA SPECTRUM-B 606161

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.51CHANNELS
STD NUMBER 1 2                  -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .52 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  119723.50 DAYS  COUNT TIME =      79.997 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   119723.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   442062 108723  385  388     3.356 +/- .011E  5  317019.0    .001 +/- 1.420E  3
COH                                                     110714  39539*0412  415     2.144 +/- .015E  3    2245.1  1.047 +/-  .012E  0
FE                                                        4737   1318*0105  104     3.464 +/- .037E  4     107.8  3.113 +/-  .084E -3 FE
CR                                                         751    762*9784   84     1.698 +/- .018E  4      -.3 -2.044 +/- 7.019E -5 CR
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            4 FE   .00120          0 CR    .11000    1029    905*9874   94     2.245 +/- .024E  4       3.8  1.685 +/-  .694E -4 MN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1086    947*9604   67     3.118 +/- .033E  3       4.4  1.406 +/-  .673E -3 TI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        1364   1129*9434   50     1.126 +/- .012E  3       7.4  6.584 +/- 1.398E -3 CA
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          793    792*9704   76     7.622 +/- .080E  3        .0   .041 +/- 1.578E -4  V
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       11194   1915*0394  148     1.386 +/- .015E  5     292.7  2.112 +/-  .041E -3 ZN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1285   1394*0284  136     1.005 +/- .011E  5      -3.4 -3.422 +/- 2.753E -5 CU
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2163  14086*8090  231     6.929 +/- .073E  4    -376.1 -5.428 +/-  .143E -3 PB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       33324   5001*8210  242     9.391 +/- .168E  5     865.6  9.217 +/-  .187E -4 RB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        2944   1630*8340  256     1.353 +/- .015E  6      40.2  2.970 +/-  .198E -5 SR
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           4673 RB   .16500          0      0.       9158   1630*8520  274     1.895 +/- .021E  6      87.5  4.618 +/-  .207E -5  Y
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR           217 SR   .16500          0 PB    .05500    4714   2379*8660  290     2.303 +/- .025E  6      65.2  2.829 +/-  .164E -5 ZR
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB           434  Y   .15200          0      0.       5197   2282*8844  306     3.224 +/- .035E  6      76.7  2.380 +/-  .118E -5 NB
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO           337 ZR   .15900          0      0.       3983   4431*9050  328     4.606 +/- .050E  6     -24.5 -5.315 +/- 1.227E -6 MO
        PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.84. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         503    568*0200  125     4.674 +/- .049E  4      -2.1 -4.387 +/- 3.556E -5 NI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         1716   1282*9365   43     3.464 +/- .037E  4      13.7  3.952 +/-  .778E -4  K
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.82.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 S  BUR-352  PK-7  PIKICALLEPATA 8B/7B-2
GAMMA SPECTRUM-B 606162

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.57CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .67 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  152526.00 DAYS  COUNT TIME =     79.994 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   152526.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         628937 150660  385  388     3.356 +/- .011E  5  461957.0   .001 +/- 2.439E  3
INCOH                                                    162108  58976*0412  415     2.144 +/- .015E  3    2232.5  1.041 +/-  .011E  0
COH                                                        7298   1795*0105  104     3.464 +/- .037E  4     119.1  3.438 +/-  .074E -3 FE
FE                                                         1086   1083*9784   84     1.698 +/- .018E  4        .1   .383 +/- 5.759E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120        0 CR   .11000        1522   1250*9874   94     2.245 +/- .024E  4        5.7  2.556 +/-  .572E -4 MN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1605   1372*9604   67     3.118 +/- .033E  3        5.0  1.618 +/-  .558E -3 TI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         1942   1639*9434   50     1.126 +/- .012E  3        6.6  5.825 +/- 1.151E -3 CA
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1169   1123*9704   76     7.622 +/- .080E  3        1.0  1.306 +/- 1.303E -4  V
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         2047   1675*0394  148     1.386 +/- .015E  5        8.1  5.811 +/- 1.600E -5 ZN
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1649   1621*0284  136     1.005 +/- .011E  5         .6   .603 +/- 2.038E -5 CU
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2705   4340*8090  231     6.929 +/- .073E  4      -35.4 -5.108 +/-  .512E -4 PB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                         7968   2556*8210  242     9.391 +/- .168E  5      116.0  1.236 +/-  .039E -4 RB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                         6316   1980*8340  256     1.353 +/- .015E  6       93.0  6.870 +/-  .189E -5 SR
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           893 RB   .16500        0     0.              4579   1980*8520  274     1.895 +/- .021E  6       36.6  1.931 +/-  .118E -5  Y
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          715 SR   .16500        0 PB   .05500         13298   2889*8660  290     2.303 +/- .025E  6      208.1  9.037 +/-  .181E -5 ZR
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          259  Y   .15200        0     0.              4251   2772*8844  306     3.224 +/- .035E  6       26.2  8.134 +/-  .827E -6 NB
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1541 ZR   .15900        0     0.              7172   6119*9050  328     4.606 +/- .050E  6      -10.5 -2.285 +/- 1.014E -6 MO
        PEAK IS AT CHANNEL  416.97 WITH HALFWIDTH OF  8.77. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          724    792*0200  126     4.674 +/- .049E  4       -1.5 -3.150 +/- 2.890E -5 NI
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF  4.71. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2122   1795*9365   43     3.464 +/- .037E  4        7.1  2.043 +/-  .620E -4  K
    FE PEAK IS AT CHANNEL  104.05 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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 8060 T  BUR-353  PK-8  PIKICALLEPATA 8B/9
GAMMA SPECTRUM-B 606163

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.54CHANNELS
STD NUMBER 1 2                    -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .43 O/O  EOB =      0.       MJD
IRRADIATION TIME =    0.    MIN DECAY TIME =    86494.00 DAYS  COUNT TIME =      79.997 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =     86494.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  9/ 8/2095 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                                                  444119  97141  385  388     3.356 +/- .011E  5  330658.0    .001 +/- 1.409E  3
COH                                                    105169  38007*0412  415     2.144 +/- .015E  3    2031.2    .947 +/-  .011E -0
FE                                                       4891   1067*0105  104     3.464 +/- .037E  4     115.6   3.338 +/-  .081E -3 FE
CR                                                        648    621*9784   84     1.698 +/- .018E  4        .8   4.810 +/- 6.161E -5 CR
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            5 FE   .00120          3 CR   .11000     906    731*9874   94     2.245 +/- .024E  4       5.1   2.256 +/-  .612E -4 MN
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       817    757*9604   67     3.118 +/- .033E  3       1.8   5.820 +/- 5.680E -4 TI
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1134    940*9434   50     1.126 +/- .012E  3       5.9   5.211 +/- 1.222E -3 CA
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                       646    680*9704   76     7.622 +/- .080E  3      -1.0  -1.349 +/- 1.382E -4  V
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      1266   1111*0394  148     1.386 +/- .015E  5       4.7   3.383 +/- 1.804E -5 ZN
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       977    974*0284  136     1.005 +/- .011E  5        .1    .090 +/- 2.218E -5 CU
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      1975   4433*8090  231     6.929 +/- .073E  4     -74.3  -1.073 +/-  .072E -3 PB
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      8744   2316*8210  242     9.391 +/- .168E  5     177.2   1.887 +/-  .054E -4 RB
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                      1353   1199*8340  256     1.353 +/- .015E  6       4.3   3.159 +/- 1.399E -6 SR
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1061 RB   .16500          0      0.          3763   1199*8520  274     1.895 +/- .021E  6      42.1   2.222 +/-  .131E -5  Y
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR           25 SR   .16500          0 PB   .05500      9714   1749*8660  290     2.303 +/- .025E  6     225.1   9.777 +/-  .197E -5 ZR
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          229  Y   .15200          0      0.          3776   1679*8844  306     3.224 +/- .035E  6      53.9   1.672 +/-  .093E -5 NB
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1262 ZR   .15900          0      0.          5484   4466*9050  328     4.606 +/- .050E  6      -7.2  -1.564 +/- 1.187E -6 MO
       PEAK IS AT CHANNEL  417.01 WITH HALFWIDTH OF  8.74. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       449    468*0200  125     4.674 +/- .049E  4       -.6  -1.229 +/- 3.118E -5 NI
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.69. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       1133    936*9365   43     3.464 +/- .037E  4       6.0   1.720 +/-  .623E -4  K
    FE PEAK IS AT CHANNEL  103.95 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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  8060 U  BUR-354  PK-9  PIKICALLEPATA 8B/10
GAMMA SPECTRUM-B 606164

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.47CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  192592.50 DAYS  COUNT TIME =      79.996 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   192592.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                      680749 158896  385  388     3.356 +/- .011E  5  505533.0    .002 +/- 2.741E  3
COH                                                        170207  62845*0412  415     2.144 +/- .015E  3    2123.7    .990 +/-  .010E -0
FE                                                           9111   2098*0105  104     3.464 +/- .037E  4     138.7   4.004 +/-  .078E -3 FE
CR                                                           1208   1221*9784   84     1.698 +/- .018E  4      -.3  -1.515 +/- 5.579E -5 CR
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            8 FE   .00120          0 CR   .11000      1906   1465*9874   94     2.245 +/- .024E  4       8.6   3.812 +/-  .572E -4 MN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           1638   1563*9604   67     3.118 +/- .033E  3       1.5   4.758 +/- 5.377E -4 TI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           2174   1887*9434   50     1.126 +/- .012E  3       5.7   5.042 +/- 1.120E -3 CA
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            1277   1227*9704   76     7.622 +/- .080E  3       1.0   1.298 +/- 1.245E -4  V
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           2265   1878*0394  148     1.386 +/- .015E  5       7.7   5.524 +/- 1.547E -5 ZN
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                           1945   1757*0284  136     1.005 +/- .011E  5       3.7   3.701 +/- 1.956E -5 CU
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           3351   7585*8090  231     6.929 +/- .073E  4     -83.8  -1.209 +/-  .062E -3 PB
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                          14854   3817*8210  242     9.391 +/- .168E  5     217.9   2.321 +/-  .057E -4 RB
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                           4951   2307*8340  256     1.353 +/- .015E  6      52.2   3.858 +/-  .161E -5 SR
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1821 RB   .16500          0     0.            6774   2307*8520  274     1.895 +/- .021E  6      52.3   2.757 +/-  .127E -5  Y
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          436 SR   .16500          0 PB   .05500       12849   3366*8660  290     2.303 +/- .025E  6     178.7   7.758 +/-  .166E -5 ZR
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          402  Y   .15200          0     0.            5992   3230*8844  306     3.224 +/- .035E  6      46.6   1.446 +/-  .086E -5 NB
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1438 ZR   .15900          0     0.            7752   6675*9050  328     4.606 +/- .050E  6      -7.1  -1.551 +/-  .970E -6 MO
        PEAK IS AT CHANNEL  416.99 WITH HALFWIDTH OF  8.65. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                            780    776*0200  125     4.674 +/- .049E  4       .1    .169 +/- 2.638E -5 NI
    FE PEAK IS AT CHANNEL  103.99 WITH HALFWIDTH OF  4.81. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            2499   2167*9365   43     3.464 +/- .037E  4       6.6   1.896 +/-  .621E -4  K
    FE PEAK IS AT CHANNEL  103.99 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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  8060 V  BUR-355  PK-10 PIKICALLEPATA 8B/11
GAMMA SPECTRUM-B 606165

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.60CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .49 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  103330.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   103330.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                           439225 108518  385  388     3.356 +/- .011E  5  314387.0    .001 +/- 1.407E  3
INCOH                                                      112554  41745*0412  415     2.144 +/- .015E  3    2252.3  1.050 +/-  .013E  0
COH                                                          5759   1259*0105  104     3.464 +/- .037E  4     143.1  4.131 +/-  .094E -3 FE
FE                                                            751    762*9784   84     1.698 +/- .018E  4      -.3 -2.061 +/- 7.061E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120          0 CR   .11000      1206    859*9874   94     2.245 +/- .024E  4      10.9  4.840 +/-  .717E -4 MN
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           1040    990*9604   67     3.118 +/- .033E  3       1.6  5.101 +/- 6.878E -4 TI
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           1341   1223*9434   50     1.126 +/- .012E  3       3.8  3.333 +/- 1.428E -3 CA
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                             866    808*9704   76     7.622 +/- .080E  3       1.8  2.420 +/- 1.637E -4  V
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           1348   1134*0394  148     1.386 +/- .015E  5       6.8  4.912 +/- 1.924E -5 ZN
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                           1192   1004*0284  136     1.005 +/- .011E  5       6.0  5.952 +/- 2.393E -5 CU
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           2031   4615*8090  231     6.929 +/- .073E  4     -82.2 -1.186 +/-  .077E -3 PB
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                           9428   2389*8210  242     9.391 +/- .168E  5     212.0  2.257 +/-  .062E -4 RB
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                           3098   1311*8340  256     1.353 +/- .015E  6      54.0  3.988 +/-  .189E -5 SR
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y        1161 RB   .16500          0     0.              4238   1311*8520  274     1.895 +/- .021E  6      53.6  2.826 +/-  .151E -5  Y
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        295 SR   .16500          0 PB   .05500          8395   1913*8660  290     2.303 +/- .025E  6     188.9  8.204 +/-  .195E -5 ZR
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        268  Y   .15200          0     0.              3795   1835*8844  306     3.224 +/- .035E  6      52.2  1.618 +/-  .102E -5 NB
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        984 ZR   .15900          0     0.              5006   4273*9050  328     4.606 +/- .050E  6      -7.8 -1.702 +/- 1.227E -6 MO
       PEAK IS AT CHANNEL  416.90 WITH HALFWIDTH OF  8.88. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                            523    488*0200  126     4.674 +/- .049E  4       1.1  2.382 +/- 3.386E -5 NI
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            1731   1454*9365   43     3.464 +/- .037E  4       8.8  2.543 +/-  .824E -4  K
    FE PEAK IS AT CHANNEL  104.02 WITH HALFWIDTH OF  4.91.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 W  BUR-356  PK-11 PIKICALLEPATA 8B/12/A-1
GAMMA SPECTRUM-B 606166

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.49CHANNELS
STD NUMBER 1 2                  -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .86 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  197730.50 DAYS  COUNT TIME =      79.991 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   197730.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                      802288 182478  385  388     3.356 +/- .011E  5  603490.0    .002 +/- 3.516E  3
COH                                                        197439  72893*0412  415     2.144 +/- .015E  3    2063.8    .962 +/-  .010E -0
FE                                                          14020   2493*0105  104     3.464 +/- .037E  4     191.0   5.513 +/-  .089E -3 FE
CR                                                           1459   1468*9784   84     1.698 +/- .018E  4      -.1   -.878 +/- 5.122E -5 CR
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120          0 CR   .11000     2227   1739*9874   94     2.245 +/- .024E  4       7.9  3.500 +/-  .520E -4 MN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           2119   1930*9604   67     3.118 +/- .033E  3       3.1  1.004 +/-  .503E -3 TI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           2915   2171*9434   50     1.126 +/- .012E  3      12.3  1.095 +/-  .106E -2 CA
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            1544   1591*9704   76     7.622 +/- .080E  3      -.8 -1.022 +/- 1.165E -4  V
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           2830   2418*0394  148     1.386 +/- .015E  5       6.8  4.926 +/- 1.467E -5 ZN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                           2210   2198*0284  136     1.005 +/- .011E  5        .2   .198 +/- 1.824E -5 CU
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           3407   6314*8090  231     6.929 +/- .073E  4     -48.2 -6.952 +/-  .473E -4 PB
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                          10914   3376*8210  242     9.391 +/- .168E  5     124.7  1.328 +/-  .038E -4 RB
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                           9014   2695*8340  256     1.353 +/- .015E  6     104.6  7.726 +/-  .179E -5 SR
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         1244 RB   .16500          0     0.            5796   2695*8520  274     1.895 +/- .021E  6      30.7  1.622 +/-  .105E -5  Y
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        1043 SR   .16500          0 PB   .05500       17538   3932*8660  290     2.303 +/- .025E  6     207.9  9.028 +/-  .167E -5 ZR
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB         282  Y   .15200          0     0.            5405   3773*8844  306     3.224 +/- .035E  6      22.3  6.929 +/-  .735E -6 NB
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        1998 ZR   .15900          0     0.            9236   7833*9050  328     4.606 +/- .050E  6      -9.8 -2.138 +/-  .880E -6 MO
        PEAK IS AT CHANNEL  417.03 WITH HALFWIDTH OF  8.73. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                            976    944*0200  125     4.674 +/- .049E  4       .5  1.135 +/- 2.444E -5 NI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.69. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            3350   2589*9365   43     3.464 +/- .037E  4      12.6  3.640 +/-  .577E -4  K
    FE PEAK IS AT CHANNEL  103.97 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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 8060 X  BUR-357  PK-12 PIKICALLEPATA 8B/12/A-2
GAMMA SPECTRUM-B 606167

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.69CHANNELS
STD NUMBER 1 2                  -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .53 0/0  EOB =      0.       MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  172762.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   172762.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                           488632 120690  385  388    3.356 +/- .011E  5  351622.0    .001 +/- 1.660E  3
INCOH
                                                           128983  48335*0412  415    2.144 +/- .015E  3    2293.6  1.070 +/-  .012E  0
COH
                                                             6074   1580*0105  104    3.464 +/- .037E  4     127.8  3.689 +/-  .087E -3 FE
FE
                                                              959    954*9784   84    1.698 +/- .018E  4        .1   .838 +/- 7.090E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120          1 CR   .11000      1303   1095*9874   94    2.245 +/- .024E  4       5.7  2.560 +/-  .698E -4 MN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1236   1227*9604   67    3.118 +/- .033E  3        .3   .821 +/- 6.796E -4 TI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         1617   1408*9434   50    1.126 +/- .012E  3       5.9  5.279 +/- 1.389E -3 CA
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1000   1025*9704   76    7.622 +/- .080E  3      -.7  -.933 +/- 1.607E -4  V
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         1793   1627*0394  148    1.386 +/- .015E  5       4.7  3.407 +/- 2.051E -5 ZN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1431   1426*0284  136    1.005 +/- .011E  5        .1   .142 +/- 2.519E -5 CU
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         2161   3509*8090  231    6.929 +/- .073E  4     -38.3 -5.533 +/-  .605E -4 PB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                         6005   2169*8210  242    9.391 +/- .168E  5     108.6  1.157 +/-  .044E -4 RB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                         4738   1779*8340  256    1.353 +/- .015E  6      83.8  6.192 +/-  .218E -5 SR
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           633 RB   .16500          0      0.             3370   1779*8520  274    1.895 +/- .021E  6      27.1  1.432 +/-  .140E -5  Y
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          488 SR   .16500          0 PB   .05500         9798   2516*8660  290    2.303 +/- .025E  6     192.5  8.358 +/-  .200E -5 ZR
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          146  Y   .15200          0      0.             3219   2414*8844  306    3.224 +/- .035E  6      18.7  5.798 +/-  .994E -6 NB
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1080 ZR   .15900          0      0.             5602   4643*9050  328    4.606 +/- .050E  6      -3.4  -.747 +/- 1.162E -6 MO
        PEAK IS AT CHANNEL  416.96 WITH HALFWIDTH OF  8.76. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          635    568*0200  125    4.674 +/- .049E  4       1.9  4.077 +/- 3.281E -5 NI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          1949   1452*9365   43    3.464 +/- .037E  4      14.1  4.080 +/-  .744E -4  K
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.92.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 Y  BUR-358  PK-13 PIKICALLEPATA 8B/15A
GAMMA SPECTRUM-B 606168

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.51CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .76 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  207231.50 DAYS  COUNT TIME =     79.993 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   207231.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   739657 168957  385  388     3.356 +/- .011E  5  554380.0    .002 +/- 3.107E  3
COH                                                     185551  67964*0412  415     2.144 +/- .015E  3    2121.1    .989 +/-  .010E -0
FE                                                        8466   2252*0105  104     3.464 +/- .037E  4     112.1   3.235 +/-  .068E -3 FE
CR                                                        1314   1309*9784   84     1.698 +/- .018E  4        .1    .531 +/- 5.279E -5 CR
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120        1 CR   .11000        1794   1564*9874   94     2.245 +/- .024E  4       4.0   1.784 +/-  .525E -4 MN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1866   1729*9604   67     3.118 +/- .033E  3       2.5   7.926 +/- 5.179E -4 TI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2240   2019*9434   50     1.126 +/- .012E  3       4.0   3.540 +/- 1.046E -3 CA
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1436   1358*9704   76     7.622 +/- .080E  3       1.4   1.846 +/- 1.199E -4  V
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        2519   2092*0394  148     1.386 +/- .015E  5       7.7   5.558 +/- 1.488E -5 ZN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        2106   1900*0284  136     1.005 +/- .011E  5       3.7   3.698 +/- 1.860E -5 CU
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        3300   5561*8090  231     6.929 +/- .073E  4     -40.8  -5.886 +/-  .484E -4 PB
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        9374   3162*8210  242     9.391 +/- .168E  5     112.0   1.192 +/-  .037E -4 RB
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        7574   2532*8340  256     1.353 +/- .015E  6      90.9   6.714 +/-  .178E -5 SR
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1025 RB   .16500        0     0.             5194   2532*8520  274     1.895 +/- .021E  6      29.5   1.557 +/-  .109E -5  Y
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          832 SR   .16500        0 PB   .05500        15795   3695*8660  290     2.303 +/- .025E  6     203.1   8.819 +/-  .171E -5 ZR
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          249  Y   .15200        0     0.             4842   3545*8844  306     3.224 +/- .035E  6      18.9   5.860 +/-  .769E -6 NB
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1792 ZR   .15900        0     0.             8804   7182*9050  328     4.606 +/- .050E  6      -3.1  -6.640 +/- 9.207E -7 MO
       PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.70. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         935    836*0200  125     4.674 +/- .049E  4       1.8   3.821 +/- 2.525E -5 NI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.46. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2327   2155*9365   43     3.464 +/- .037E  4       3.1   8.955 +/- 5.576E -5  K
    FE PEAK IS AT CHANNEL  104.00 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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  8060 Z  BUR-359  PK-14 PIKICALLEPATA 8B/16
GAMMA SPECTRUM-B 606169

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.55CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .62 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  221356.00 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   221356.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              580130 132331  385  388    3.356 +/- .011E  5  431479.0    .001 +/- 2.143E  3
COH                                                146745  54448*0412  415    2.144 +/- .015E  3    2139.1    .997 +/-  .011E -0
FE                                                   6141   1856*0105  104    3.464 +/- .037E  4      99.3   2.866 +/-  .072E -3 FE
CR                                                   1132   1077*9784   84    1.698 +/- .018E  4       1.3   7.509 +/- 6.218E -5 CR
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120        6 CR   .11000      1616   1261*9874   94    2.245 +/- .024E  4       8.0   3.549 +/-  .620E -4 MN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1544   1495*9604   67    3.118 +/- .033E  3       1.1   3.642 +/- 6.136E -4 TI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1991   1710*9434   50    1.126 +/- .012E  3       6.5   5.784 +/- 1.253E -3 CA
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1222   1213*9704   76    7.622 +/- .080E  3        .2    .274 +/- 1.437E -4  V
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2232   1912*0394  148    1.386 +/- .015E  5       7.4   5.352 +/- 1.821E -5 ZN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1888   1727*0284  136    1.005 +/- .011E  5       3.7   3.714 +/- 2.272E -5 CU
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   3130   6342*8090  231    6.929 +/- .073E  4     -74.4  -1.074 +/-  .066E -3 PB
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  11697   3096*8210  242    9.391 +/- .168E  5     199.3   2.122 +/-  .056E -4 RB
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   4258   2189*8340  256    1.353 +/- .015E  6      47.9   3.541 +/-  .178E -5 SR
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         1419 RB   .16500        0     0.           5545   2189*8520  274    1.895 +/- .021E  6      44.9   2.368 +/-  .138E -5  Y
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         341 SR   .16500        0 PB   .05500      10318   3194*8660  290    2.303 +/- .025E  6     157.1   6.823 +/-  .173E -5 ZR
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB         294  Y   .15200        0     0.           4938   3065*8844  306    3.224 +/- .035E  6      36.6   1.134 +/-  .095E -5 NB
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        1078 ZR   .15900        0     0.           6544   5609*9050  328    4.606 +/- .050E  6      -3.3  -.722 +/- 1.040E -6 MO
        PEAK IS AT CHANNEL  417.10 WITH HALFWIDTH OF  8.75. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    818    740*0200  125    4.674 +/- .049E  4       1.8   3.868 +/- 3.048E -5 NI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.65. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2044   1767*9365   43    3.464 +/- .037E  4       6.4   1.853 +/-  .655E -4  K
    FE PEAK IS AT CHANNEL  103.96 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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 8060 1  BUR-360  PK-15 PIKICALLEPATA 8B/18
GAMMA SPECTRUM-B 606170

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.44CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .82 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  190449.50 DAYS  COUNT TIME =     79.992 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   190449.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         782880 172791  385  388     3.356 +/- .011E  5  593769.0    .002 +/- 3.375E  3
INCOH                                                                                                                                
                                                         193154  71441*0412  415     2.144 +/- .015E  3    2049.8    .956 +/-  .010E -0
COH                                                                                                                                  
                                                          11366   2345*0105  104     3.464 +/- .037E  4     151.9   4.385 +/-  .077E -3 FE
FE                                                                                                                                   
                                                           1309   1369*9784   84     1.698 +/- .018E  4      -1.0  -5.952 +/- 4.991E -5 CR
CR                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
                                                           1931   1662*9874   94     2.245 +/- .024E  4       4.3   1.937 +/-  .506E -4 MN
MN          11 FE   .00120          0 CR   .11000                                                                                    
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                           1917   1832*9604   67     3.118 +/- .033E  3       1.4   4.591 +/- 4.983E -4 TI
TI                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                           2452   2100*9434   50     1.126 +/- .012E  3       5.9   5.265 +/- 1.010E -3 CA
CA                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                           1465   1396*9704   76     7.622 +/- .080E  3       1.2   1.525 +/- 1.133E -4  V
V                                                                                                                                    
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                           2688   2147*0394  148     1.386 +/- .015E  5       9.1   6.575 +/- 1.414E -5 ZN
ZN                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                           2010   1858*0284  136     1.005 +/- .011E  5       2.6   2.548 +/- 1.711E -5 CU
CU                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                           3304   5984*8090  231     6.929 +/- .073E  4     -45.1  -6.514 +/-  .468E -4 PB
PB                                                                                                                                   
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                          10452   3248*8210  242     9.391 +/- .168E  5     121.1   1.290 +/-  .037E -4 RB
RB                                                                                                                                   
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
                                                           8072   2563*8340  256     1.353 +/- .015E  6      92.6   6.842 +/-  .171E -5 SR
SR                                                                                                                                   
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
                                                           5437   2563*8520  274     1.895 +/- .021E  6      28.3   1.495 +/-  .103E -5  Y
Y         1189 RB   .16500          0     0.                                                                                         
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
                                                          16859   3740*8660  290     2.303 +/- .025E  6     205.3   8.914 +/-  .166E -5 ZR
ZR         909 SR   .16500          0 PB   .05500                                                                                    
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
                                                           5172   3588*8844  307     3.224 +/- .035E  6      22.3   6.926 +/-  .729E -6 NB
NB         256  Y   .15200          0     0.                                                                                         
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
                                                           9595   7958*9050  328     4.606 +/- .050E  6      -5.1  -1.112 +/-  .901E -6 MO
MO        1941 ZR   .15900          0     0.                                                                                         
        PEAK IS AT CHANNEL  417.13 WITH HALFWIDTH OF       8.68. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                            952    856*0200  126     4.674 +/- .049E  4       1.6   3.459 +/- 2.384E -5 NI
NI                                                                                                                                   
    FE PEAK IS AT CHANNEL  104.05 WITH HALFWIDTH OF        4.68. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                           2963   2470*9365   43     3.464 +/- .037E  4       8.3   2.397 +/-  .568E -4  K
K                                                                                                                                    
    FE PEAK IS AT CHANNEL  104.05 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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  8060 2  BUR-361  PK-16 PIKICALLEPATA 8B/23-1
GAMMA SPECTRUM-B 606171

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.67CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .33 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  125782.00 DAYS  COUNT TIME =     79.994 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   125782.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              590743 141481  385  388    3.356 +/- .011E  5  432942.0   .001 +/- 2.217E  3
COH                                                148785  53818*0412  415    2.144 +/- .015E  3    2193.5  1.023 +/-  .011E  0
FE                                                   7265   1569*0105  104    3.464 +/- .037E  4     131.6  3.798 +/-  .079E -3 FE
CR                                                    935    909*9784   84    1.698 +/- .018E  4        .6  3.538 +/- 5.665E -5 CR
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120        3 CR   .11000      1321   1068*9874   94    2.245 +/- .024E  4       5.6  2.503 +/-  .563E -4 MN
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1308   1288*9604   67    3.118 +/- .033E  3        .5  1.482 +/- 5.639E -4 TI
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1588   1415*9434   50    1.126 +/- .012E  3       4.0  3.549 +/- 1.124E -3 CA
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     982   1049*9704   76    7.622 +/- .080E  3      -1.5 -2.030 +/- 1.306E -4  V
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1841   1478*0394  148    1.386 +/- .015E  5       8.4  6.050 +/- 1.610E -5 ZN
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1583   1342*0284  136    1.005 +/- .011E  5       5.6  5.541 +/- 2.015E -5 CU
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2344   4103*8090  231    6.929 +/- .073E  4     -40.6 -5.864 +/-  .530E -4 PB
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   7477   2480*8210  242    9.391 +/- .168E  5     112.5  1.198 +/-  .040E -4 RB
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   6163   1696*8340  256    1.353 +/- .015E  6     100.6  7.436 +/-  .193E -5 SR
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           825 RB   .16500        0     0.          4176   1696*8520  274    1.895 +/- .021E  6      37.4  1.971 +/-  .117E -5  Y
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          737 SR   .16500        0 PB   .05500     12887   2463*8660  290    2.303 +/- .025E  6     219.2  9.516 +/-  .185E -5 ZR
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          252  Y   .15200        0     0.          3969   2363*8844  306    3.224 +/- .035E  6      30.8  9.546 +/-  .820E -6 NB
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1540 ZR   .15900        0     0.          6830   5427*9050  328    4.606 +/- .050E  6      -3.1  -.682 +/- 1.017E -6 MO
        PEAK IS AT CHANNEL  417.02 WITH HALFWIDTH OF  8.83. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    600    536*0200  125    4.674 +/- .049E  4       1.5  3.163 +/- 2.589E -5 NI
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1640   1496*9365   43    3.464 +/- .037E  4       3.3  9.600 +/- 5.972E -5  K
    FE PEAK IS AT CHANNEL  103.95 WITH HALFWIDTH OF  4.77.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 3  BUR-362  PK-17 PIKICALLEPATA 8B/23-2
GAMMA SPECTRUM-B 606172

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.74CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .50 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  175087.00 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   175087.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              450175 113133  385  388     3.356 +/- .011E  5  320722.0    .001 +/- 1.465E  3
COH                                                116811  44682*0412  415     2.144 +/- .015E  3    2249.0  1.049 +/-  .013E  0
FE                                                   5208   1492*0105  104     3.464 +/- .037E  4     115.9  3.344 +/-  .088E -3 FE
CR                                                    939    860*9784   84     1.698 +/- .018E  4       2.5  1.451 +/-  .757E -4 CR
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          4 FE   .00120         9 CR   .11000      1265   1002*9874   94     2.245 +/- .024E  4       7.8  3.470 +/-  .741E -4 MN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1162   1217*9604   67     3.118 +/- .033E  3      -1.7 -5.500 +/- 7.375E -4 TI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1601   1352*9434   50     1.126 +/- .012E  3       7.8  6.895 +/- 1.507E -3 CA
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     931    978*9704   76     7.622 +/- .080E  3      -1.5 -1.923 +/- 1.710E -4  V
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1603   1387*0394  148     1.386 +/- .015E  5       6.7  4.860 +/- 2.083E -5 ZN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1376   1267*0284  136     1.005 +/- .011E  5       3.4  3.383 +/- 2.614E -5 CU
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2321   4807*8090  231     6.929 +/- .073E  4     -77.5 -1.119 +/-  .077E -3 PB
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   9242   2556*8210  242     9.391 +/- .168E  5     207.7  2.212 +/-  .063E -4 RB
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   3209   1592*8340  256     1.353 +/- .015E  6      50.2  3.711 +/-  .205E -5 SR
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y        1103 RB   .16500         0     0.            4369   1592*8520  274     1.895 +/- .021E  6      52.0  2.744 +/-  .162E -5  Y
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        267 SR   .16500         0 PB   .05500       8335   2323*8660  290     2.303 +/- .025E  6     178.5  7.752 +/-  .202E -5 ZR
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        254  Y   .15200         0     0.            3874   2229*8844  306     3.224 +/- .035E  6      43.2  1.341 +/-  .110E -5 NB
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        913 ZR   .15900         0     0.            4983   4277*9050  328     4.606 +/- .050E  6      -6.5 -1.402 +/- 1.223E -6 MO
        PEAK IS AT CHANNEL  417.00 WITH HALFWIDTH OF  8.97. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    626    608*0200  126     4.674 +/- .049E  4        .6  1.201 +/- 3.689E -5 NI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.65. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1786   1534*9365   43     3.464 +/- .037E  4       7.9  2.268 +/-  .820E -4  K
    FE PEAK IS AT CHANNEL  104.00 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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 8060 4  BUR-363  TM-1 TUMUKU, PUNO SURFACE
GAMMA SPECTRUM-B 606173

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.54CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .94 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  215029.50 DAYS  COUNT TIME =      79.991 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   215029.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   848651 191353  385  388     3.356 +/- .011E  5  640978.0    .002 +/- 3.827E  3
COH                                                     206927  79542*0412  415     2.144 +/- .015E  3    1987.4    .927 +/-  .009E -0
FE                                                       14876   2545*0105  104     3.464 +/- .037E  4     192.4   5.553 +/-  .087E -3 FE
CR                                                        1482   1550*9784   84     1.698 +/- .018E  4      -1.1  -6.249 +/- 4.902E -5 CR
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          15 FE   .00120         0 CR   .11000     2247   1800*9874   94     2.245 +/- .024E  4       6.7   3.004 +/-  .496E -4 MN
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        2126   1988*9604   67     3.118 +/- .033E  3       2.2   6.905 +/- 4.782E -4 TI
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2821   2187*9434   50     1.126 +/- .012E  3       9.9   8.785 +/-  .985E -3 CA
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1577   1587*9704   76     7.622 +/- .080E  3      -.2  -.205 +/- 1.102E -4  V
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        2894   2455*0394  148     1.386 +/- .015E  5       6.8   4.942 +/- 1.394E -5 ZN
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        2335   2266*0284  136     1.005 +/- .011E  5       1.1   1.071 +/- 1.747E -5 CU
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        3990   7029*8090  231     6.929 +/- .073E  4     -47.4  -6.843 +/-  .471E -4 PB
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       11726   3820*8210  242     9.391 +/- .168E  5     123.3   1.313 +/-  .037E -4 RB
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                       11599   2780*8340  256     1.353 +/- .015E  6     137.5   1.016 +/-  .020E -4 SR
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1304 RB   .16500         0     0.          6049   2780*8520  274     1.895 +/- .021E  6      30.6   1.617 +/-  .101E -5  Y
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         1455 SR   .16500         0 PB   .05500     19445   4056*8660  290     2.303 +/- .025E  6     217.3   9.434 +/-  .167E -5 ZR
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          299  Y   .15200         0     0.          5908   3892*8844  307     3.224 +/- .035E  6      26.8   8.306 +/-  .711E -6 NB
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         2215 ZR   .15900         0     0.          9949   8565*9050  328     4.606 +/- .050E  6     -13.0  -2.816 +/-  .865E -6 MO
        PEAK IS AT CHANNEL  417.19 WITH HALFWIDTH OF  8.77. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        994    948*0200  126     4.674 +/- .049E  4        .7   1.536 +/- 2.309E -5 NI
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         3372   2507*9365   43     3.464 +/- .037E  4      13.5   3.895 +/-  .538E -4  K
    FE PEAK IS AT CHANNEL  104.04 WITH HALFWIDTH OF  4.99.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 5  BUR-364  TM-2 TUMUKU, PUNO SURFACE
GAMMA SPECTRUM-B 606174

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.67CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .72 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  239312.50 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   239312.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         657842 156631  385  388     3.356 +/- .011E  5  484891.0   .001 +/- 2.615E  3
INCOH                                                    167226  63829*0412  415     2.144 +/- .015E  3    2132.4   .994 +/-  .011E -0
COH                                                        7570   2327*0105  104     3.464 +/- .037E  4     108.1  3.121 +/-  .073E -3 FE
FE                                                         1355   1375*9784   84     1.698 +/- .018E  4      -.4 -2.430 +/- 6.169E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          6 FE   .00120          0 CR   .11000       1918   1613*9874   94     2.245 +/- .024E  4       6.2  2.744 +/-  .614E -4 MN
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1715   1771*9604   67     3.118 +/- .033E  3      -1.2 -3.704 +/- 5.918E -4 TI
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         2291   2029*9434   50     1.126 +/- .012E  3       5.4  4.799 +/- 1.205E -3 CA
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1425   1412*9704   76     7.622 +/- .080E  3        .3   .352 +/- 1.380E -4  V
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         2468   2265*0394  148     1.386 +/- .015E  5       4.2  3.021 +/- 1.755E -5 ZN
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         2026   2115*0284  136     1.005 +/- .011E  5      -1.8 -1.827 +/- 2.209E -5 CU
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         3452   6919*8090  231     6.929 +/- .073E  4     -71.5 -1.032 +/-  .062E -3 PB
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        13232   3900*8210  242     9.391 +/- .168E  5     192.4  2.049 +/-  .054E -4 RB
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                         4694   2549*8340  256     1.353 +/- .015E  6      44.2  3.268 +/-  .169E -5 SR
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1540 RB   .16500          0     0.             6351   2549*8520  274     1.895 +/- .021E  6      46.6  2.462 +/-  .133E -5  Y
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          354 SR   .16500          0 PB   .05500      11832   3663*8660  290     2.303 +/- .025E  6     161.1  6.998 +/-  .167E -5 ZR
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          344  Y   .15200          0     0.             5738   3487*8844  307     3.224 +/- .035E  6      39.3  1.220 +/-  .090E -5 NB
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1243 ZR   .15900          0     0.             7340   6396*9050  328     4.606 +/- .050E  6      -6.2 -1.337 +/-  .987E -6 MO
        PEAK IS AT CHANNEL  417.12 WITH HALFWIDTH OF  8.89. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          894    876*0200  125     4.674 +/- .049E  4        .4   .794 +/- 2.926E -5 NI
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2492   2134*9365   43     3.464 +/- .037E  4       7.4  2.131 +/-  .641E -4  K
    FE PEAK IS AT CHANNEL  103.92 WITH HALFWIDTH OF  4.92.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 6  BUR-365  TM-3 TUMUKU, PUNO SURFACE
GAMMA SPECTRUM-B 606175

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.59CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .80 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  164636.50 DAYS  COUNT TIME =     79.995 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   164636.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              747000 175101  385  388    3.356 +/- .011E  5  555579.0   .002 +/- 3.168E  3
COH                                                185106  71283*0412  415    2.144 +/- .015E  3    2048.7   .955 +/-  .010E -0
FE                                                  10333   2260*0105  104    3.464 +/- .037E  4     145.3  4.194 +/-  .077E -3 FE
CR                                                   1276   1321*9784   84    1.698 +/- .018E  4      -.8 -4.771 +/- 5.248E -5 CR
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120        0 CR   .11000     2118   1591*9874   94    2.245 +/- .024E  4       9.3  4.148 +/-  .547E -4 MN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1875   1705*9604   67    3.118 +/- .033E  3       3.1  9.813 +/- 5.124E -4 TI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2323   1986*9434   50    1.126 +/- .012E  3       6.1  5.387 +/- 1.050E -3 CA
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1332   1319*9704   76    7.622 +/- .080E  3        .2   .307 +/- 1.164E -4  V
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2383   2068*0394  148    1.386 +/- .015E  5       5.7  4.091 +/- 1.467E -5 ZN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1959   1762*0284  136    1.005 +/- .011E  5       3.5  3.529 +/- 1.787E -5 CU
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   3622   8443*8090  231    6.929 +/- .073E  4     -86.8 -1.252 +/-  .060E -3 PB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  16042   4204*8210  242    9.391 +/- .168E  5     211.8  2.256 +/-  .055E -4 RB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   5173   2497*8340  256    1.353 +/- .015E  6      47.9  3.538 +/-  .151E -5 SR
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1953 RB   .16500        0     0.          7324   2497*8520  274    1.895 +/- .021E  6      51.4  2.714 +/-  .120E -5  Y
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          442 SR   .16500        0 PB   .05500    14073   3643*8660  290    2.303 +/- .025E  6     178.8  7.766 +/-  .159E -5 ZR
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          437  Y   .15200        0     0.          6631   3496*8844  306    3.224 +/- .035E  6      48.4  1.500 +/-  .081E -5 NB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1588 ZR   .15900        0     0.          8386   7423*9050  328    4.606 +/- .050E  6     -11.2 -2.436 +/-  .925E -6 MO
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.72. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    833    888*0200  125    4.674 +/- .049E  4      -1.0 -2.118 +/- 2.550E -5 NI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2766   2393*9365   43    3.464 +/- .037E  4       6.7  1.938 +/-  .595E -4  K
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  5.04.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 7  BUR-366  CV60 CHAVIN A1-D
GAMMA SPECTRUM-B 606176

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.49CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .91 0/0  EOB =      0.       MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  209615.00 DAYS  COUNT TIME =      79.991 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   209615.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                          841625 191197  385  388     3.356 +/- .011E  5  634108.0    .002 +/- 3.784E  3
INCOH
                                                          212184  78419*0412  415     2.144 +/- .015E  3    2109.5    .984 +/-  .010E -0
COH                                                        11401   2621*0105  104     3.464 +/- .037E  4     138.5   3.997 +/-  .072E -3 FE
FE                                                          1467   1529*9784   84     1.698 +/- .018E  4      -1.0  -5.760 +/- 4.936E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
          11 FE   .00120          0 CR    .11000      2039   1782*9874   94     2.245 +/- .024E  4       3.9   1.731 +/-  .488E -4 MN
MN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                       2135   1935*9604   67     3.118 +/- .033E  3       3.2   1.012 +/-  .481E -3 TI
TI
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                       2905   2378*9434   50     1.126 +/- .012E  3       8.3   7.381 +/- 1.020E -3 CA
CA
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                       1540   1567*9704   76     7.622 +/- .080E  3      -.4   -.559 +/- 1.104E -4  V
V
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                       2847   2482*0394  148     1.386 +/- .015E  5       5.8   4.154 +/- 1.413E -5 ZN
ZN
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                       2367   2216*0284  136     1.005 +/- .011E  5       2.4   2.370 +/- 1.754E -5 CU
CU
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                       3914   7519*8090  231     6.929 +/- .073E  4     -56.9  -8.205 +/-  .493E -4 PB
PB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                      13427   4172*8210  242     9.391 +/- .168E  5     145.8   1.553 +/-  .042E -4 RB
RB
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
                                                      12493   2829*8340  256     1.353 +/- .015E  6     152.3   1.125 +/-  .021E -4 SR
SR
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
                                                       6601   2829*8520  274     1.895 +/- .021E  6      35.4   1.867 +/-  .105E -5  Y
Y          1527 RB   .16500          0     0.          8.67.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67.                                                                  .164E -5 ZR
                                                      18744   4128*8660  290     2.303 +/- .025E  6     205.2   8.911 +/-
ZR         1595 SR   .16500          0 PB    .05500      8.67. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67.                                                                  .717E -6 NB
                                                       5677   3961*8844  306     3.224 +/- .035E  6      21.7   6.720 +/-
NB          341  Y   .15200          0     0.          8.67. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67.                                                                  .870E -6 MO
                                                      10076   8415*9050  328     4.606 +/- .050E  6      -6.5  -1.401 +/-
MO         2070 ZR   .15900          0     0.          8.67. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
        PEAK IS AT CHANNEL  417.06 WITH HALFWIDTH OF  8.67.                                                                  2.410E -5 NI
                                                        941   1040*0200  125     4.674 +/- .049E  4      -1.6  -3.341 +/-
NI                                                                                                                           .545E -4  K
    FE PEAK IS AT CHANNEL  103.97 WITH HALFWIDTH OF  4.63. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                       2959   2633*9365   43     3.464 +/- .037E  4       5.1   1.484 +/-
K
    FE PEAK IS AT CHANNEL  103.97 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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 8060 8  BUR-367  CV60 CHAVIN A1-D
GAMMA SPECTRUM-B 606177

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.53CHANNELS
STD NUMBER 1 2                  -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .72 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  154146.50 DAYS  COUNT TIME =      79.991 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   154146.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                   643612 148133  385  388     3.356 +/- .011E  5  479159.0    .001 +/- 2.513E  3
COH                                                     161242  58630*0412  415     2.144 +/- .015E  3    2141.5    .999 +/-  .010E -0
FE                                                        9208   1811*0105  104     3.464 +/- .037E  4     154.4   4.456 +/-  .083E -3 FE
CR                                                        1063   1056*9784   84     1.698 +/- .018E  4        .1    .861 +/- 5.489E -5 CR
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN            9 FE   .00120          1 CR   .11000     1417   1246*9874   94     2.245 +/- .024E  4       3.4   1.500 +/-  .541E -4 MN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                        1472   1366*9604   67     3.118 +/- .033E  3       2.2   7.095 +/- 5.304E -4 TI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                        2023   1596*9434   50     1.126 +/- .012E  3       8.9   7.915 +/- 1.117E -3 CA
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         1070   1155*9704   76     7.622 +/- .080E  3      -1.8  -2.327 +/- 1.235E -4  V
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                        1849   1640*0394  148     1.386 +/- .015E  5       4.4   3.148 +/- 1.514E -5 ZN
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                        1653   1463*0284  136     1.005 +/- .011E  5       4.0   3.947 +/- 1.890E -5 CU
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        2868   5665*8090  231     6.929 +/- .073E  4     -58.4  -8.424 +/-  .563E -4 PB
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       10600   3199*8210  242     9.391 +/- .168E  5     153.1   1.630 +/-  .046E -4 RB
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        9655   1911*8340  256     1.353 +/- .015E  6     160.2   1.184 +/-  .023E -4 SR
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1221 RB   .16500          0     0.          4917   1911*8520  274     1.895 +/- .021E  6      36.9   1.949 +/-  .116E -5  Y
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         1278 SR   .16500          0 PB   .05500     14509   2788*8660  290     2.303 +/- .025E  6     216.3   9.391 +/-  .181E -5 ZR
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          271  Y   .15200          0     0.          4336   2675*8844  306     3.224 +/- .035E  6      28.8   8.938 +/-  .791E -6 NB
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1660 ZR   .15900          0     0.          7668   6598*9050  328     4.606 +/- .050E  6     -12.3  -2.665 +/- 1.014E -6 MO
        PEAK IS AT CHANNEL  417.07 WITH HALFWIDTH OF  8.90. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         701    708*0200  125     4.674 +/- .049E  4       -.1   -.313 +/- 2.654E -5 NI
    FE PEAK IS AT CHANNEL  104.00 WITH HALFWIDTH OF  4.70. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                         2395   1963*9365   43     3.464 +/- .037E  4       9.0   2.602 +/-  .632E -4  K
    FE PEAK IS AT CHANNEL  104.00 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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 8060 9  BUR-368  CV62 CHAVIN A1-D
GAMMA SPECTRUM-B 606178

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.45CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .68 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  178033.50 DAYS  COUNT TIME =      79.992 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   178033.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                   620896 143001  385  388     3.356 +/- .011E  5  461575.0    .001 +/- 2.379E  3
INCOH                                              155567  56460*0412  415     2.144 +/- .015E  3    2147.1  1.001 +/-  .011E  0
COH                                                 10636   1929*0105  104     3.464 +/- .037E  4     188.6  5.445 +/-  .095E -3 FE
FE                                                   1087   1148*9784   84     1.698 +/- .018E  4      -1.3 -7.785 +/- 5.846E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120        0 CR   .11000     1564   1332*9874   94     2.245 +/- .024E  4       4.8  2.138 +/-  .583E -4 MN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1586   1516*9604   67     3.118 +/- .033E  3       1.5  4.864 +/- 5.808E -4 TI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1977   1731*9434   50     1.126 +/- .012E  3       5.3  4.733 +/- 1.172E -3 CA
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1229   1222*9704   76     7.622 +/- .080E  3        .2   .199 +/- 1.347E -4  V
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1989   1881*0394  148     1.386 +/- .015E  5       2.3  1.688 +/- 1.671E -5 ZN
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1694   1592*0284  136     1.005 +/- .011E  5       2.2  2.199 +/- 2.038E -5 CU
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2837   5396*8090  231     6.929 +/- .073E  4     -55.4 -8.001 +/-  .571E -4 PB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   9694   3060*8210  242     9.391 +/- .168E  5     143.2  1.525 +/-  .045E -4 RB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   8867   2018*8340  256     1.353 +/- .015E  6     147.9  1.093 +/-  .023E -4 SR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1095 RB   .16500        0     0.          4786   2018*8520  274     1.895 +/- .021E  6      36.1  1.907 +/-  .121E -5  Y
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         1130 SR   .16500        0 PB   .05500     13587   2945*8660  290     2.303 +/- .025E  6     205.4  8.921 +/-  .182E -5 ZR
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          254  Y   .15200        0     0.          4079   2825*8844  306     3.224 +/- .035E  6      21.6  6.700 +/-  .830E -6 NB
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1512 ZR   .15900        0     0.          7124   6329*9050  328     4.606 +/- .050E  6     -15.5 -3.369 +/- 1.030E -6 MO
        PEAK IS AT CHANNEL  417.08 WITH HALFWIDTH OF  8.75. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    722    732*0200  125     4.674 +/- .049E  4       -.2  -.464 +/- 2.801E -5 NI
    FE PEAK IS AT CHANNEL  103.96 WITH HALFWIDTH OF  4.80. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2388   1993*9365   43     3.464 +/- .037E  4       8.6  2.470 +/-  .656E -4  K
    FE PEAK IS AT CHANNEL  103.96 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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 8060 +  BUR-369  CV63 CHAVIN A1-D
GAMMA SPECTRUM-B 606179

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 5.61CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .57 O/O  EOB =      0.       MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =   37544.50 DAYS  COUNT TIME =      79.997 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =    37544.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  9/ 2/1961 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
                                                   689350 104092  385  387     3.356 +/- .011E  5  568938.0    .002 +/- 2.616E  3
INCOH                                               65176  37051*0412  415     2.144 +/- .015E  3     494.3    .231 +/-  .005E -0
COH                                                  2051   1160*0105  105     3.464 +/- .037E  4      15.7   4.520 +/-  .324E -4 FE
FE                                                    678    704*9784   84     1.698 +/- .018E  4       -.5  -2.692 +/- 3.730E -5 CR
CR
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          1 FE   .00120        0 CR   .11000       770    819*9874   94     2.245 +/- .024E  4       -.9  -3.920 +/- 3.552E -5 MN
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   897    822*9604   67     3.118 +/- .033E  3       1.3   4.228 +/- 3.483E -4 TI
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                  1085   1021*9434   50     1.126 +/- .012E  3       1.1   9.991 +/- 7.152E -4 CA
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    675    707*9704   76     7.622 +/- .080E  3       -.6  -7.379 +/- 8.199E -5  V
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                  1117   1061*0394  148     1.386 +/- .015E  5       1.0    .710 +/- 1.019E -5 ZN
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                  1038   1013*0284  136     1.005 +/- .011E  5        .4    .437 +/- 1.311E -5 CU
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                  1384   1980*8090  231     6.929 +/- .073E  4     -10.5  -1.512 +/-  .282E -4 PB
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  1978   1216*8210  242     9.391 +/- .168E  5       9.5   1.011 +/-  .117E -5 RB
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                  1600   1655*8340  256     1.353 +/- .015E  6       -.7  -5.322 +/- 7.589E -7 SR
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          126 RB   .16500        0     0.           1530   1655*8520  274     1.895 +/- .021E  6      -3.4  -1.819 +/-  .576E -6  Y
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR           0 SR   .16500        0 PB   .05500       2521   2170*8660  290     2.303 +/- .025E  6       5.1   2.212 +/-  .668E -6 ZR
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB           0  Y   .15200        0     0.           1965   1925*8844  307     3.224 +/- .035E  6        .6   1.912 +/- 4.630E -7 NB
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO          56 ZR   .15900        0     0.           4041   4687*9050  328     4.606 +/- .050E  6     -11.6  -2.508 +/-  .656E -6 MO
        PEAK IS AT CHANNEL  417.39 WITH HALFWIDTH OF  7.88. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                   453    400*0200  125     4.674 +/- .049E  4        .9   1.993 +/- 1.704E -5 NI
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                   1175    975*9365   43     3.464 +/- .037E  4       3.5   1.015 +/-  .370E -4  K
    FE PEAK IS AT CHANNEL  103.85 WITH HALFWIDTH OF  5.10.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 -  BUR-370  CV64 CHAVIN A1-E
GAMMA SPECTRUM-B 606180

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.70CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .56 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  121004.00 DAYS  COUNT TIME =     79.991 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   121004.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              516166 125049  385  388    3.356 +/- .011E  5  374797.0    .001 +/- 1.802E  3
COH                                                130624  50567*0412  415    2.144 +/- .015E  3    2136.0    .996 +/-  .012E -0
FE                                                   7593   1431*0105  104    3.464 +/- .037E  4     164.4   4.746 +/-  .094E -3 FE
CR                                                    898    873*9784   85    1.698 +/- .018E  4        .7   3.929 +/- 6.404E -5 CR
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120        3 CR   .11000      1256    989*9874   94    2.245 +/- .024E  4       6.9   3.053 +/-  .632E -4 MN
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1221   1109*9604   67    3.118 +/- .033E  3       3.0   9.584 +/- 6.089E -4 TI
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1583   1311*9434   50    1.126 +/- .012E  3       7.3   6.445 +/- 1.275E -3 CA
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     922    952*9704   77    7.622 +/- .080E  3      -.8  -1.050 +/- 1.450E -4  V
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1619   1468*0394  148    1.386 +/- .015E  5       4.0   2.907 +/- 1.826E -5 ZN
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1302   1323*0284  137    1.005 +/- .011E  5      -.6   -.558 +/- 2.270E -5 CU
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2370   4587*8090  231    6.929 +/- .073E  4     -59.2  -8.537 +/-  .647E -4 PB
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   8313   2400*8210  242    9.391 +/- .168E  5     153.1   1.630 +/-  .049E -4 RB
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   7502   1540*8340  256    1.353 +/- .015E  6     154.5   1.141 +/-  .025E -4 SR
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         976 RB   .16500        0      0.          4007   1540*8520  274    1.895 +/- .021E  6      38.7   2.043 +/-  .131E -5  Y
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        984 SR   .16500        0 PB   .05500      11523   2247*8660  290    2.303 +/- .025E  6     216.0   9.378 +/-  .197E -5 ZR
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        227  Y   .15200        0      0.          3471   2156*8844  307    3.224 +/- .035E  6      28.5   8.839 +/-  .895E -6 NB
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1318 ZR   .15900        0      0.          5872   5113*9050  328    4.606 +/- .050E  6     -14.8  -3.206 +/- 1.133E -6 MO
        PEAK IS AT CHANNEL  417.26 WITH HALFWIDTH OF  8.88. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    590    592*0200  126    4.674 +/- .049E  4       -.1   -.114 +/- 3.105E -5 NI
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1866   1560*9365   43    3.464 +/- .037E  4       8.2   2.357 +/-  .718E -4  K
    FE PEAK IS AT CHANNEL  104.21 WITH HALFWIDTH OF  4.93.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 *  BUR-371  CV6S CHAVIN D2-I
GAMMA SPECTRUM-B 606181

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.86CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =   .26 0/0  EOB =     0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  106256.00 DAYS  COUNT TIME =     79.993 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =   106256.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              375077  94369  385  388    3.356 +/- .011E  5  264388.0    .001 +/- 1.103E  3
COH                                                 96402  37389*0412  415    2.144 +/- .015E  3    2232.1  1.041 +/-  .014E  0
FE                                                   5939   1089*0105  104    3.464 +/- .037E  4     183.4  5.295 +/-  .115E -3 FE
CR                                                    671    678*9784   85    1.698 +/- .018E  4      -.3 -1.560 +/- 7.924E -5 CR
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          6 FE   .00120        0 CR   .11000       903    777*9874   94    2.245 +/- .024E  4       4.5  2.025 +/-  .777E -4 MN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1028    885*9604   67    3.118 +/- .033E  3       5.4  1.735 +/-  .782E -3 TI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1262   1039*9434   50    1.126 +/- .012E  3       8.4  7.491 +/- 1.613E -3 CA
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                     742    719*9704   77    7.622 +/- .080E  3        .9  1.141 +/- 1.817E -4  V
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   1205   1120*0394  148    1.386 +/- .015E  5       3.2  2.320 +/- 2.253E -5 ZN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1033    984*0284  137    1.005 +/- .011E  5       1.9  1.845 +/- 2.795E -5 CU
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   1894   3333*8090  231    6.929 +/- .073E  4     -54.4 -7.855 +/-  .782E -4 PB
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                   6070   1801*8210  242    9.391 +/- .168E  5     153.6  1.636 +/-  .055E -4 RB
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   5658   1322*8340  256    1.353 +/- .015E  6     156.4  1.156 +/-  .029E -4 SR
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         704 RB   .16500        0     0.            2965   1322*8520  274    1.895 +/- .021E  6      34.0  1.794 +/-  .161E -5  Y
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        715 SR   .16500        0 PB   .05500        8549   1929*8660  290    2.303 +/- .025E  6     215.1  9.340 +/-  .233E -5 ZR
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        143  Y   .15200        0     0.            2476   1851*8844  307    3.224 +/- .035E  6      17.7  5.499 +/- 1.128E -6 NB
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        939 ZR   .15900        0     0.            4369   3709*9050  328    4.606 +/- .050E  6     -10.4 -2.254 +/- 1.365E -6 MO
        PEAK IS AT CHANNEL  417.24 WITH HALFWIDTH OF  9.40. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    463    420*0200  126    4.674 +/- .049E  4       1.6  3.480 +/- 3.747E -5 NI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    1490   1235*9365   43    3.464 +/- .037E  4       9.6  2.784 +/-  .904E -4  K
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  4.87.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 /  BUR-372  CV66 CHAVIN D2-I
GAMMA SPECTRUM-B 606182

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.78CHANNELS
STD NUMBER 1 2                    -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .48 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =    42576.50 DAYS  COUNT TIME =      79.993 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =    42576.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  6/13/1975 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                                                      437612  93949  385  388     3.356 +/- .011E  5  327343.0    .001 +/- 1.376E  3
COH                                                         98699  37069*0412  415     2.144 +/- .015E  3    1882.7    .878 +/-  .011E -0
FE                                                           9342   1079*0105  104     3.464 +/- .037E  4     252.4   7.286 +/-  .125E -3 FE
CR                                                            633    638*9784   85     1.698 +/- .018E  4      -.2   -.900 +/- 6.226E -5 CR
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120          0 CR    .11000     1011    749*9874   94     2.245 +/- .024E  4       7.7   3.430 +/-  .638E -4 MN
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           1010    869*9604   67     3.118 +/- .033E  3       4.3   1.381 +/-  .629E -3 TI
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           1222   1021*9434   50     1.126 +/- .012E  3       6.1   5.453 +/- 1.285E -3 CA
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                             688    675*9704   77     7.622 +/- .080E  3        .4    .521 +/- 1.417E -4  V
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           1206    977*0394  148     1.386 +/- .015E  5       7.0   5.048 +/- 1.727E -5 ZN
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                            969   1001*0284  137     1.005 +/- .011E  5      -1.0   -.973 +/- 2.247E -5 CU
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           1924   4191*8090  231     6.929 +/- .073E  4     -69.3  -9.995 +/-  .706E -4 PB
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                           8158   2155*8210  242     9.391 +/- .168E  5     135.1   1.439 +/-  .042E -4 RB
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                           7127   1201*8340  256     1.353 +/- .015E  6     139.1   1.028 +/-  .021E -4 SR
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           990 RB   .16500          0      0.        3480   1201*8520  274     1.895 +/- .021E  6      31.5   1.664 +/-  .112E -5  Y
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          978 SR   .16500          0 PB    .05500    10521   1753*8660  290     2.303 +/- .025E  6     200.0   8.686 +/-  .180E -5 ZR
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          196  Y   .15200          0      0.        3019   1681*8844  307     3.224 +/- .035E  6      30.9   9.599 +/-  .834E -6 NB
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1239 ZR   .15900          0      0.        5290   4439*9050  328     4.606 +/- .050E  6     -11.1  -2.420 +/- 1.150E -6 MO
        PEAK IS AT CHANNEL  417.33 WITH HALFWIDTH OF  9.19. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                            388    508*0200  126     4.674 +/- .049E  4      -3.7  -7.844 +/- 3.217E -5 NI
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            1427   1250*9365   43     3.464 +/- .037E  4       5.4   1.561 +/-  .733E -4  K
    FE PEAK IS AT CHANNEL  104.16 WITH HALFWIDTH OF  4.49.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 (  BUR-373  CV67 CHAVIN A1-A
GAMMA SPECTRUM-B 606183

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.95CHANNELS
STD NUMBER 1 2                    -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .45 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.    MIN DECAY TIME =    93659.50 DAYS  COUNT TIME =      79.994 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =     93659.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                  422694 107801  385  388     3.356 +/- .011E  5  298573.0    .001 +/- 1.330E  3
COH                                                    106681  42546*0412  415     2.144 +/- .015E  3    2148.1  1.002 +/-  .013E  0
FE                                                       7232   1152*0105  104     3.464 +/- .037E  4     203.6  5.878 +/-  .115E -3 FE
CR                                                        745    699*9784   85     1.698 +/- .018E  4       1.5  9.076 +/- 7.280E -5 CR
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120        5 CR   .11000        991    835*9874   94     2.245 +/- .024E  4       4.8  2.143 +/-  .720E -4 MN
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                      1033    883*9604   67     3.118 +/- .033E  3       5.0  1.611 +/-  .692E -3 TI
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                      1383   1079*9434   50     1.126 +/- .012E  3      10.2  9.043 +/- 1.477E -3 CA
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        806    747*9704   77     7.622 +/- .080E  3       2.0  2.593 +/- 1.661E -4  V
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                      1295   1089*0394  148     1.386 +/- .015E  5       6.9  4.979 +/- 1.993E -5 ZN
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                      1044   1032*0284  137     1.005 +/- .011E  5        .4   .400 +/- 2.519E -5 CU
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                      1911   3988*8090  231     6.929 +/- .073E  4     -69.6 -1.004 +/-  .076E -3 PB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      7567   2132*8210  242     9.391 +/- .168E  5     169.0  1.800 +/-  .055E -4 RB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                      6976   1226*8340  256     1.353 +/- .015E  6     179.7  1.327 +/-  .028E -4 SR
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         897 RB   .16500        0     0.              3531   1226*8520  274     1.895 +/- .021E  6      44.3  2.337 +/-  .145E -5  Y
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR        949 SR   .16500        0 PB   .05500         10750   1789*8660  290     2.303 +/- .025E  6     254.4  1.105 +/-  .023E -4 ZR
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB        214  Y   .15200        0     0.              2943   1716*8844  307     3.224 +/- .035E  6      32.6  1.011 +/-  .099E -5 NB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO       1274 ZR   .15900        0     0.              5019   3991*9050  328     4.606 +/- .050E  6      -8.1 -1.750 +/- 1.258E -6 MO
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                       486    480*0200  126     4.674 +/- .049E  4        .2   .430 +/- 3.515E -5 NI
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                       1828   1234*9365   43     3.464 +/- .037E  4      19.9  5.742 +/-  .822E -4  K
    FE PEAK IS AT CHANNEL  104.11 WITH HALFWIDTH OF  4.93.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 $  BUR-374  CV68 CHAVIN A1-A
GAMMA SPECTRUM-B 606184

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.59CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .90 0/0  EOB =      0.       MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  172643.00 DAYS  COUNT TIME =      79.993 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   172643.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                      854602 196559  385  388     3.356 +/- .011E  5  641723.0    .002 +/- 3.883E  3
COH                                                        208159  81432*0412  415     2.144 +/- .015E  3    1974.8    .921 +/-  .009E -0
FE                                                          14413   2396*0105  104     3.464 +/- .037E  4     187.3   5.405 +/-  .085E -3 FE
CR                                                           1438   1421*9784   85     1.698 +/- .018E  4        .3   1.561 +/- 4.760E -5 CR
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          14 FE   .00120          2 CR   .11000       2167   1686*9874   94     2.245 +/- .024E  4       7.2   3.226 +/-  .484E -4 MN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                           2052   1840*9604   67     3.118 +/- .033E  3       3.3   1.060 +/-  .463E -3 TI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                           2750   2180*9434   50     1.126 +/- .012E  3       8.9   7.889 +/-  .975E -3 CA
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                            1558   1504*9704   77     7.622 +/- .080E  3        .8   1.104 +/- 1.084E -4  V
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                           2686   2295*0394  148     1.386 +/- .015E  5       6.1   4.397 +/- 1.341E -5 ZN
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                           2278   1988*0284  137     1.005 +/- .011E  5       4.5   4.498 +/- 1.645E -5 CU
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                           3980   8289*8090  231     6.929 +/- .073E  4     -67.1  -9.691 +/-  .512E -4 PB
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                          14737   4128*8210  242     9.391 +/- .168E  5     164.6   1.753 +/-  .044E -4 RB
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                          13412   2783*8340  256     1.353 +/- .015E  6     164.9   1.219 +/-  .022E -4 SR
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1750 RB   .16500          0      0.           6759   2783*8520  274     1.895 +/- .021E  6      34.5   1.823 +/-  .104E -5  Y
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         1754 SR   .16500          0 PB   .05500      19445   4061*8660  290     2.303 +/- .025E  6     211.6   9.188 +/-  .165E -5 ZR
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          338  Y   .15200          0      0.           5659   3896*8844  307     3.224 +/- .035E  6      22.1   6.864 +/-  .703E -6 NB
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         2167 ZR   .15900          0      0.          10087   8487*9050  328     4.606 +/- .050E  6      -8.8  -1.915 +/-  .862E -6 MO
        PEAK IS AT CHANNEL  417.43 WITH HALFWIDTH OF  9.04. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                           1037    960*0200  126     4.674 +/- .049E  4       1.2   2.567 +/- 2.329E -5 NI
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                            3514   2664*9365   43     3.464 +/- .037E  4      13.2   3.823 +/-  .554E -4  K
    FE PEAK IS AT CHANNEL  104.14 WITH HALFWIDTH OF  5.07.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 .  BUR-375  GU8  GUANGALA 06SE-46 LEVEL 3
GAMMA SPECTRUM-B 606185

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.85CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .72 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  116002.50 DAYS  COUNT TIME =      79.994 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   116002.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              663915 159157  385  388     3.356 +/- .011E  5  488438.0    .001 +/- 2.650E  3
COH                                                162319  64523*0412  415     2.144 +/- .015E  3    2002.2   .934 +/-  .010E -0
FE                                                   8005   1779*0105  104     3.464 +/- .037E  4     127.5  3.679 +/-  .074E -3 FE
CR                                                   1074   1087*9784   84     1.698 +/- .018E  4      -.3 -1.568 +/- 5.443E -5 CR
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          7 FE   .00120         0 CR   .11000     1537   1275*9874   94     2.245 +/- .024E  4       5.2  2.321 +/-  .544E -4 MN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   1540   1407*9604   67     3.118 +/- .033E  3       2.7  8.733 +/- 5.300E -4 TI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   1916   1620*9434   50     1.126 +/- .012E  3       6.1  5.382 +/- 1.083E -3 CA
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1134   1122*9704   76     7.622 +/- .080E  3        .2   .322 +/- 1.222E -4  V
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   4757   1823*0394  148     1.386 +/- .015E  5      60.1  4.335 +/-  .181E -4 ZN
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   1587   1505*0284  136     1.005 +/- .011E  5       1.7  1.671 +/- 1.869E -5 CU
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   2900   5528*8090  231     6.929 +/- .073E  4     -53.8 -7.765 +/-  .546E -4 PB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  10619   3282*8210  242     9.391 +/- .168E  5     144.9  1.543 +/-  .044E -4 RB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   7218   1828*8340  256     1.353 +/- .015E  6     106.6  7.876 +/-  .185E -5 SR
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1211 RB   .16500         0     0.          4894   1828*8520  274     1.895 +/- .021E  6      36.8  1.941 +/-  .110E -5  Y
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          889 SR   .16500         0 PB   .05500    11438   2668*8660  290     2.303 +/- .025E  6     156.9  6.812 +/-  .151E -5 ZR
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          282  Y   .15200         0     0.          4500   2559*8844  307     3.224 +/- .035E  6      33.2  1.031 +/-  .076E -5 NB
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1253 ZR   .15900         0     0.          7371   6543*9050  328     4.606 +/- .050E  6      -8.6 -1.866 +/-  .977E -6 MO
        PEAK IS AT CHANNEL  417.32 WITH HALFWIDTH OF  9.23. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                    716    684*0200  126     4.674 +/- .049E  4        .7  1.402 +/- 2.574E -5 NI
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    2270   1757*9365   43     3.464 +/- .037E  4      10.5  3.032 +/-  .585E -4  K
    FE PEAK IS AT CHANNEL  104.06 WITH HALFWIDTH OF  4.93.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 1  BUR-376  GU9  GUANGALA 06SE-46 LEVEL 3
GAMMA SPECTRUM-B 606186

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 8.04CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .29 0/0  EOB =     0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =   50323.00 DAYS  COUNT TIME =     79.997 MIN  C/SEC  BEG. =     0  C/SEC END =     0
START TIME =    50323.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  8/27/1996 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                                                   262725  70003  385  388     3.356 +/- .011E  5  176402.0    .005 +/- 6.310E  2
COH                                                      64723  26149*0412  415     2.144 +/- .015E  3    2186.7  1.020 +/-  .016E  0
FE                                                        2804    770*0105  104     3.464 +/- .037E  4     115.3  3.328 +/-  .112E -3 FE
CR                                                         409    446*9784   85     1.698 +/- .018E  4      -2.1 -1.236 +/-  .946E -4 CR
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          2 FE   .00120        0 CR   .11000         595    527*9874   94     2.245 +/- .024E  4       3.7  1.655 +/-  .951E -4 MN
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         600    538*9604   67     3.118 +/- .033E  3       3.5  1.127 +/-  .903E -3 TI
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         791    644*9434   50     1.126 +/- .012E  3       8.3  7.401 +/- 1.906E -3 CA
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          427    456*9704   77     7.622 +/- .080E  3      -1.6 -2.157 +/- 2.113E -4  V
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         866    721*0394  148     1.386 +/- .015E  5       8.2  5.931 +/- 2.751E -5 ZN
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         703    735*0284  136     1.005 +/- .011E  5      -1.8 -1.806 +/- 3.578E -5 CU
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                        1260   2211*8090  231     6.929 +/- .073E  4     -53.9 -7.780 +/-  .953E -4 PB
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        4199   1400*8210  242     9.391 +/- .168E  5     123.3  1.313 +/-  .055E -4 RB
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                        2995    858*8340  256     1.353 +/- .015E  6      97.2  7.181 +/-  .262E -5 SR
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           462 RB   .16500        0     0.              1950    858*8520  274     1.895 +/- .021E  6      29.6  1.563 +/-  .169E -5  Y
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          353 SR   .16500        0 PB   .05500         4615   1239*8660  290     2.303 +/- .025E  6     147.7  6.414 +/-  .225E -5 ZR
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB           96  Y   .15200        0     0.              1800   1189*8844  307     3.224 +/- .035E  6      26.3  8.167 +/- 1.281E -6 NB
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO          481 ZR   .15900        0     0.              2893   2773*9050  328     4.606 +/- .050E  6     -19.4 -4.211 +/- 1.690E -6 MO
        PEAK IS AT CHANNEL  417.35 WITH HALFWIDTH OF  9.28. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                         290    348*0200  126     4.674 +/- .049E  4      -3.3 -7.035 +/- 4.975E -5 NI
    FE PEAK IS AT CHANNEL  104.10 WITH HALFWIDTH OF  4.81. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          837    692*9365   43     3.464 +/- .037E  4       8.2  2.373 +/- 1.013E -4  K
    FE PEAK IS AT CHANNEL  104.10 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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 8060 #  BUR-377  GU10 GUANGALA 06SE-46 LEVEL 3
GAMMA SPECTRUM-B 606187

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.79CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .39 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  130785.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   130785.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                  670040 155101  385  388     3.356 +/- .011E  5  498619.0    .001 +/- 2.677E  3
COH                                                    158670  62340*0412  415     2.144 +/- .015E  3    1931.9    .901 +/-  .010E -0
FE                                                       8754   1726*0105  104     3.464 +/- .037E  4     140.9   4.068 +/-  .077E -3 FE
CR                                                       1047   1046*9784   85     1.698 +/- .018E  4        .0    .118 +/- 5.241E -5 CR
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          8 FE   .00120         0 CR   .11000       1500   1215*9874   94     2.245 +/- .024E  4       5.5  2.470 +/-  .524E -4 MN
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1516   1310*9604   67     3.118 +/- .033E  3       4.1  1.325 +/-  .503E -3 TI
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1817   1546*9434   50     1.126 +/- .012E  3       5.4  4.827 +/- 1.033E -3 CA
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                        1106   1080*9704   77     7.622 +/- .080E  3        .5   .684 +/- 1.179E -4  V
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       1900   1685*0394  148     1.386 +/- .015E  5       4.3  3.111 +/- 1.474E -5 ZN
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1610   1511*0284  137     1.005 +/- .011E  5       2.0  1.976 +/- 1.839E -5 CU
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2860   6078*8090  232     6.929 +/- .073E  4     -64.5 -9.314 +/-  .561E -4 PB
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                      11306   3065*8210  243     9.391 +/- .168E  5     161.8  1.723 +/-  .046E -4 RB
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                       7433   1897*8340  257     1.353 +/- .015E  6     108.7  8.033 +/-  .187E -5 SR
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         1360 RB   .16500         0     0.             4879   1897*8520  275     1.895 +/- .021E  6      31.9  1.683 +/-  .110E -5  Y
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         913 SR   .16500         0 PB   .05500        11537   2768*8660  291     2.303 +/- .025E  6     154.8  6.722 +/-  .151E -5 ZR
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB         247  Y   .15200         0     0.             4479   2656*8844  307     3.224 +/- .035E  6      31.2  9.670 +/-  .758E -6 NB
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        1249 ZR   .15900         0     0.             7395   6784*9050  329     4.606 +/- .050E  6     -12.7 -2.756 +/-  .977E -6 MO
       PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.17. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        707    656*0200  126     4.674 +/- .049E  4       1.0  2.189 +/- 2.477E -5 NI
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        2213   1718*9365   43     3.464 +/- .037E  4       9.9  2.865 +/-  .568E -4  K
    FE PEAK IS AT CHANNEL  104.18 WITH HALFWIDTH OF  4.88.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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  8060 ▸  BUR-378  GU11 GUANGALA 06SE-46 LEVEL
GAMMA SPECTRUM-B 606188

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.82CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .49 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  100435.00 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   100435.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                                  471529 110954  385  388    3.356 +/- .011E  5  344255.0    .001 +/- 1.561E  3
COH                                                    113754  44045*0412  415    2.144 +/- .015E  3    2024.9    .944 +/-  .011E -0
FE                                                       5438   1163*0105  104    3.464 +/- .037E  4     124.2   3.584 +/-  .083E -3 FE
CR                                                        686    704*9784   85    1.698 +/- .018E  4      -.5  -3.080 +/- 6.171E -5 CR
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          5 FE   .00120        0 CR   .11000       1023    813*9874   94    2.245 +/- .024E  4       6.0   2.651 +/-  .620E -4 MN
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                       1039    931*9604   67    3.118 +/- .033E  3       3.1   1.006 +/-  .611E -3 TI
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                       1315   1107*9434   50    1.126 +/- .012E  3       6.0   5.366 +/- 1.270E -3 CA
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                         736    760*9704   77    7.622 +/- .080E  3      -.7   -.915 +/- 1.410E -4  V
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                       3599   1311*0394  148    1.386 +/- .015E  5      66.5   4.796 +/-  .219E -4 ZN
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                       1087   1028*0284  137    1.005 +/- .011E  5       1.7   1.706 +/- 2.195E -5 CU
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                       2114   4070*8090  232    6.929 +/- .073E  4     -56.8  -8.200 +/-  .663E -4 PB
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                       6973   1773*8210  243    9.391 +/- .168E  5     142.3   1.515 +/-  .045E -4 RB
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                       4698   1248*8340  257    1.353 +/- .015E  6      94.7   6.997 +/-  .200E -5 SR
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y           858 RB   .16500        0      0.          3158   1248*8520  275    1.895 +/- .021E  6      29.0   1.531 +/-  .123E -5  Y
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          569 SR   .16500        0 PB   .05500       7449   1894*8660  291    2.303 +/- .025E  6     138.6   6.016 +/-  .165E -5 ZR
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          160  Y   .15200        0      0.          2995   1817*8844  307    3.224 +/- .035E  6      28.6   8.872 +/-  .884E -6 NB
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO          793 ZR   .15900        0      0.          4918   4420*9050  329    4.606 +/- .050E  6      -8.4  -1.825 +/- 1.134E -6 MO
        PEAK IS AT CHANNEL  417.52 WITH HALFWIDTH OF  9.18. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                        483    444*0200  126    4.674 +/- .049E  4       1.1   2.424 +/- 2.954E -5 NI
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.47. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                        1521   1287*9365   43    3.464 +/- .037E  4       6.8   1.962 +/-  .705E -4  K
    FE PEAK IS AT CHANNEL  104.15 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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 8060 ^  BUR-379  GU12 GUANGALA 06SE-46 LEVEL
GAMMA SPECTRUM-B 606189

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.76CHANNELS
STD NUMBER 1 2                  -606192 A     SAMPLE WEIGHT =  -0.       MG  DEAD TIME =    .77 0/0  EOB =      0.       MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  131215.00 DAYS  COUNT TIME =      79.992 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   131215.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         744632 174688  385  388     3.356 +/- .011E  5  553624.0    .002 +/- 3.151E  3
INCOH
                                                         180843  72030*0412  415     2.144 +/- .015E  3    1965.5    .917 +/-  .010E -0
COH
                                                           9453   1994*0105  104     3.464 +/- .037E  4     134.7   3.889 +/-  .073E -3 FE
FE
                                                           1233   1224*9784   85     1.698 +/- .018E  4        .2    .958 +/- 5.120E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
                9 FE   .00120          1 CR   .11000     1722   1415*9874   94     2.245 +/- .024E  4       5.4   2.390 +/-  .509E -4 MN
MN
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
                                                           1766   1541*9604   67     3.118 +/- .033E  3       4.1   1.303 +/-  .489E -3 TI
TI
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
                                                           2183   1785*9434   50     1.126 +/- .012E  3       7.2   6.385 +/- 1.012E -3 CA
CA
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
                                                           1207   1273*9704   77     7.622 +/- .080E  3      -1.2  -1.564 +/- 1.129E -4  V
V
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
                                                           3060   1952*0394  148     1.386 +/- .015E  5      20.0   1.444 +/-  .149E -4 ZN
ZN
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
                                                           1767   1605*0284  137     1.005 +/- .011E  5       2.9   2.912 +/- 1.712E -5 CU
CU
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
                                                           3286   6947*8090  232     6.929 +/- .073E  4     -66.1  -9.544 +/-  .541E -4 PB
PB
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
                                                          12162   3357*8210  243     9.391 +/- .168E  5     155.7   1.658 +/-  .044E -4 RB
RB
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
                                                           8299   2194*8340  257     1.353 +/- .015E  6     108.0   7.981 +/-  .181E -5 SR
SR
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
                                                           5366   2194*8520  275     1.895 +/- .021E  6      30.5   1.607 +/-  .105E -5  Y
Y          1453 RB   .16500          0     0.
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
                                                          12655   3201*8660  291     2.303 +/- .025E  6     149.9   6.511 +/-  .145E -5 ZR
ZR         1007 SR   .16500          0 PB   .05500
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
                                                           5013   3072*8844  307     3.224 +/- .035E  6      29.9   9.281 +/-  .731E -6 NB
NB          261  Y   .15200          0     0.
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
                                                           8389   7458*9050  329     4.606 +/- .050E  6      -7.4  -1.603 +/-  .927E -6 MO
MO         1343 ZR   .15900          0     0.
        PEAK IS AT CHANNEL  417.53 WITH HALFWIDTH OF  9.22. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
                                                            750    700*0200  126     4.674 +/- .049E  4        .9   1.932 +/- 2.303E -5 NI
NI
    FE PEAK IS AT CHANNEL  104.15 WITH HALFWIDTH OF  4.78. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
                                                           2858   2172*9365   43     3.464 +/- .037E  4      12.4   3.577 +/-  .581E -4  K
K
    FE PEAK IS AT CHANNEL  104.15 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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 8060 ↑  BUR-380  QL1  QALUYU 2B/6
GAMMA SPECTRUM-B 606190

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.71CHANNELS
STD NUMBER 1 2                    -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .77 0/0  EOB =      0.      MJD
IRRADIATION TIME =   0.   MIN DECAY TIME =  147120.50 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =     0
START TIME =   147120.50 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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
                                                         726612 168754  385  388     3.356 +/- .011E  5  541538.0    .002 +/- 3.037E  3
INCOH                                                    178026  70071*0412  415     2.144 +/- .015E  3    1993.5    .930 +/-  .010E -0
COH                                                       10330   2008*0105  104     3.464 +/- .037E  4     153.7   4.436 +/-  .079E -3 FE
FE                                                         1220   1172*9784   85     1.698 +/- .018E  4        .9   5.221 +/- 5.163E -5 CR
CR
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          10 FE   .00120         5 CR   .11000       2041   1389*9874   94     2.245 +/- .024E  4      11.8   5.237 +/-  .538E -4 MN
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                         1657   1594*9604   67     3.118 +/- .033E  3       1.2   3.731 +/- 5.049E -4 TI
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                         2276   1830*9434   50     1.126 +/- .012E  3       8.2   7.314 +/- 1.053E -3 CA
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                          1238   1249*9704   77     7.622 +/- .080E  3      -.2  -.267 +/- 1.157E -4  V
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                         2266   2047*0394  148     1.386 +/- .015E  5       4.0   2.918 +/- 1.496E -5 ZN
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                         1882   1873*0284  137     1.005 +/- .011E  5        .2    .165 +/- 1.876E -5 CU
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                         3467   8751*8090  232     6.929 +/- .073E  4     -97.6 -1.408 +/-  .063E -3 PB
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                        15492   3672*8210  243     9.391 +/- .168E  5     215.7   2.297 +/-  .055E -4 RB
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                         5260   2255*8340  257     1.353 +/- .015E  6      54.9   4.053 +/-  .152E -5 SR
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y          1950 RB   .16500         0     0.              7001   2255*8520  275     1.895 +/- .021E  6      51.1   2.694 +/-  .118E -5  Y
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR          496 SR   .16500         0 PB   .05500        13424   3290*8660  291     2.303 +/- .025E  6     176.2   7.651 +/-  .157E -5 ZR
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB          425  Y   .15200         0     0.              6244   3157*8844  307     3.224 +/- .035E  6      48.8   1.512 +/-  .080E -5 NB
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO         1532 ZR   .15900         0     0.              8027   7156*9050  329     4.606 +/- .050E  6     -12.2 -2.639 +/-  .928E -6 MO
        PEAK IS AT CHANNEL  417.62 WITH HALFWIDTH OF  9.14. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                          802    780*0200  126     4.674 +/- .049E  4        .4    .869 +/- 2.474E -5 NI
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                          2803   2112*9365   43     3.464 +/- .037E  4      12.8   3.683 +/-  .584E -4  K
    FE PEAK IS AT CHANNEL  104.19 WITH HALFWIDTH OF  4.95.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =        I
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 8060 ;  BUR-381  QL2  QALUYU 2B/630F
GAMMA SPECTRUM-B 606191

 THE IN  (23.11KEV) PEAK HAS A HALFWIDTH OF 7.88CHANNELS
STD NUMBER 1 2                  -606192 A    SAMPLE WEIGHT =  -0.      MG  DEAD TIME =    .81 0/0  EOB =      0.      MJD
IRRADIATION TIME =    0.   MIN DECAY TIME =  245479.00 DAYS  COUNT TIME =      79.995 MIN  C/SEC  BEG. =      0  C/SEC END =      0
START TIME =   245479.00 MJD  PILL THICKNESS =  -0.  MILS  SPECTRUM BEGAN  0/ 0/   0 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                                              741432 182840  385  388    3.356 +/- .011E  5  542272.0    .002 +/- 3.149E  3
COH                                                188866  74851*0412  415    2.144 +/- .015E  3    2102.5   .980 +/-  .010E -0
FE                                                   9260   2731*0105  104    3.464 +/- .037E  4     120.4  3.475 +/-  .074E -3 FE
CR                                                   1559   1611*9784   85    1.698 +/- .018E  4      -1.0 -5.649 +/- 5.940E -5 CR
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. CR PEAK IS SUMMED STARTING -21.60 CHANNELS HIGHER.
MN          8 FE   .00120        0 CR   .11000      2257   1932*9874   94    2.245 +/- .024E  4       5.8  2.605 +/-  .598E -4 MN
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. MN PEAK IS SUMMED STARTING -12.60 CHANNELS HIGHER.
TI                                                   2211   2196*9604   67    3.118 +/- .033E  3       .3   .887 +/- 5.942E -4 TI
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. TI PEAK IS SUMMED STARTING -39.60 CHANNELS HIGHER.
CA                                                   2689   2431*9434   50    1.126 +/- .012E  3       4.8  4.226 +/- 1.173E -3 CA
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. CA PEAK IS SUMMED STARTING -56.60 CHANNELS HIGHER.
V                                                    1585   1613*9704   77    7.622 +/- .080E  3       -.5 -.677 +/- 1.310E -4  V
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99.  V PEAK IS SUMMED STARTING -29.60 CHANNELS HIGHER.
ZN                                                   2924   2630*0394  148    1.386 +/- .015E  5       5.4  3.912 +/- 1.692E -5 ZN
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. ZN PEAK IS SUMMED STARTING  39.40 CHANNELS HIGHER.
CU                                                   2484   2401*0284  137    1.005 +/- .011E  5       1.5  1.523 +/- 2.122E -5 CU
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. CU PEAK IS SUMMED STARTING  28.40 CHANNELS HIGHER.
PB                                                   4173   9053*8090  231    6.929 +/- .073E  4     -90.0 -1.299 +/-  .063E -3 PB
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. PB PEAK IS SUMMED STARTING *91.00 CHANNELS HIGHER.
RB                                                  16057   4135*8210  242    9.391 +/- .168E  5     219.8  2.341 +/-  .056E -4 RB
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. RB PEAK IS SUMMED STARTING *79.00 CHANNELS HIGHER.
SR                                                   5817   3047*8340  256    1.353 +/- .015E  6      51.1  3.774 +/-  .168E -5 SR
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. SR PEAK IS SUMMED STARTING *66.00 CHANNELS HIGHER.
Y         1967 RB   .16500        0     0.           7133   3047*8520  274    1.895 +/- .021E  6      39.1  2.062 +/-  .127E -5  Y
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37.  Y PEAK IS SUMMED STARTING *48.00 CHANNELS HIGHER.
ZR         457 SR   .16500        0 PB   .05500      13882   4437*8660  290    2.303 +/- .025E  6     165.7  7.197 +/-  .165E -5 ZR
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. ZR PEAK IS SUMMED STARTING *34.00 CHANNELS HIGHER.
NB         322  Y   .15200        0     0.           6534   4257*8844  307    3.224 +/- .035E  6      36.0  1.118 +/-  .088E -5 NB
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. NB PEAK IS SUMMED STARTING *15.60 CHANNELS HIGHER.
MO        1429 ZR   .15900        0     0.           8460   7261*9050  328    4.606 +/- .050E  6      -4.2 -9.212 +/- 9.449E -7 MO
        PEAK IS AT CHANNEL  417.50 WITH HALFWIDTH OF  9.37. MO PEAK IS SUMMED STARTING -95.00 CHANNELS HIGHER.
NI                                                   1069   1096*0200  126    4.674 +/- .049E  4       -.5 -1.065 +/- 2.914E -5 NI
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99. NI PEAK IS SUMMED STARTING  20.00 CHANNELS HIGHER.
K                                                    3050   2598*9365   43    3.464 +/- .037E  4       8.3  2.406 +/-  .631E -4  K
    FE PEAK IS AT CHANNEL  104.22 WITH HALFWIDTH OF  4.99.  K PEAK IS SUMMED STARTING -63.50 CHANNELS HIGHER.
COUNT RATE CORRECTION FOR LAST ELEMENT =       I
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14 8060 1 1 1 1
A1606 S141 C53

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INCOH          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   6.3           -3
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  1098210   6   -8           9   0  1.49          -4
SR     SR      101415  1098340 -37   -1          11   4  1.53          -4
Y      Y       101493  1098520 -55   -1          11   4  130.    1.4
                                                       .165          112
ZR     ZR      101575  1098660 -70   -1     1.07  15   4  1.17          -4
                                                       .165          213
11    .055
NB     NB      101659  1098844 -86   -1      1.4  11   4  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
606145     517                        100.      2143.5      3
  8060 B  BACK      BACKGROUND
606144     517                        100.       79905.     3
  8060 A  L-122     EL CHAYAL CONTROL
606192     517                        100.       79905.     3
  8060 A  L-122     EL CHAYAL CONTROL

606146   5 17                      3
  8060 C  PLAST     THICK PLASTIC
                                         1 2
                                    3
  8060 D  BUR-337    FIERRO WASI, CUZCO,11A/1
                     199339.0
                                    3
  8060 E  BUR-338   TA154 TARACO 31B/13
                     157704.5
                                    3
  8060 F  BUR-339   TA154 TARACO 31B/37
                     153861.0
                                    3
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8060 G  BUR-340  TA156 TARACO 31B/15
                 164780.5
                                  3
8060 H  BUR-341  KQ1 Q,ELLOQAQA 38B/4-1
                 145415.5
                                  3
8060 I  BUR-342  KQ2 Q,ELLOQAQA 38B/4-3
                 168613.0
                                  3
8060 J  BUR-343  KQ3 Q,ELLOQAQA 38B/3-1
                 197393.5
                                  3
8060 K  BUR-344  KQ4 Q,ELLOQAQA 38B/3-2
                 228637.5
                                  3
8060 L  BUR-345  KQ5 Q,ELLOQAQA 38B/4-2
                 160435.5
                                  3
8060 M  BUR-346  PK-1  PIKICALLEPATA 8B-1
                 202485.0
                                  3
8060 N  BUR-347  PK-2  PIKICALLEPATA 8B-3-1
                 89783.5
                                  3
8060 O  BUR-348  PK-3  PIKICALLEPATA 8B/17
                 101087.5
                                  3
8060 P  BUR-349  PK-4  PIKICALLEPATA 8B/3-2
                 164178.5
                                  3
8060 Q  BUR-350  PK-5  PIKICALLEPATA 8B/6
                 209949.5
                                  3
8060 R  BUR-351  PK-6  PIKICALLEPATA 8B/7B-1
                 119723.5
                                  3
8060 S  BUR-352  PK-7  PIKICALLEPATA 8B/7B-2
                 152526.0
                                  3
8060 T  BUR-353  PK-8  PIKICALLEPATA 8B/9
                 86494.0
                                  3
8060 U  BUR-354  PK-9  PIKICALLEPATA 8B/10
                 192592.5
                                  3
8060 V  BUR-355  PK-10 PIKICALLEPATA 8B/11
                 103330.5
                                  3
8060 W  BUR-356  PK-11 PIKICALLEPATA 8B/12/A-1
                 197730.5
                                  3
8060 X  BUR-357  PK-12 PIKICALLEPATA 8B/12/A-2
                 172762.5
                                  3
8060 Y  BUR-358  PK-13 PIKICALLEPATA 8B/15A
                 207231.5
                                  3
8060 Z  BUR-359  PK-14 PIKICALLEPATA 8B/16
                 221356.0
                                  3
8060 1  BUR-360  PK-15 PIKICALLEPATA 8B/18
                 190449.5
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                                        3
8060 2   BUR-361   PK-16 PIKICALLEPATA 8B/23-1
                    125782.0
                                        3
8060 3   BUR-362   PK-17 PIKICALLEPATA 8B/23-2
                    175087.0
                                        3
8060 4   BUR-363   TM-1 TUMUKU, PUNO SURFACE
                    215029.5
                                        3
8060 5   BUR-364   TM-2 TUMUKU, PUNO SURFACE
                    239312.5
                                        3
8060 6   BUR-365   TM-3 TUMUKU, PUNO SURFACE
                    164636.5
                                        3
8060 7   BUR-366   CV60 CHAVIN A1-D
                    209615.0
                                        3
8060 8   BUR-367   CV60 CHAVIN A1-D
                    154146.5
                                        3
8060 9   BUR-368   CV62 CHAVIN A1-D
                    178033.5
                                        3
8060 +   BUR-369   CV63 CHAVIN A1-D
                    37544.5
                                        3
8060 -   BUR-370   CV64 CHAVIN A1-E
                    121004.0
                                        3
8060 *   BUR-371   CV6S CHAVIN D2-I
                    106256.0
                                        3
8060 /   BUR-372   CV66 CHAVIN D2-I
                    42576.5
                                        3
8060 (   BUR-373   CV67 CHAVIN A1-A
                    93659.5
                                        3
8060 $   BUR-374   CV68 CHAVIN A1-A
                    172643.0
                                        3
8060 .   BUR-375   GU8  GUANGALA 06SE-46 LEVEL 3
                    116002.5
                                        3
8060 ]   BUR-376   GU9  GUANGALA 06SE-46 LEVEL 3
                    50323.0
                                        3
8060 ≠   BUR-377   GU10 GUANGALA 06SE-46 LEVEL 3
                    130785.5
                                        3
8060 ►   BUR-378   GU11 GUANGALA 06SE-46 LEVEL
                    100435.0
                                        3
8060 ^   BUR-379   GU12 GUANGALA 06SE-46 LEVEL
                    131215.
                                        3
8060 ↑   BUR-380   QL1  QALUYU 2B/6
                    147120.5
                                        3
8060 ;   BUR-381   QL2  QALUYU 2B/630F
                    245479.0
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