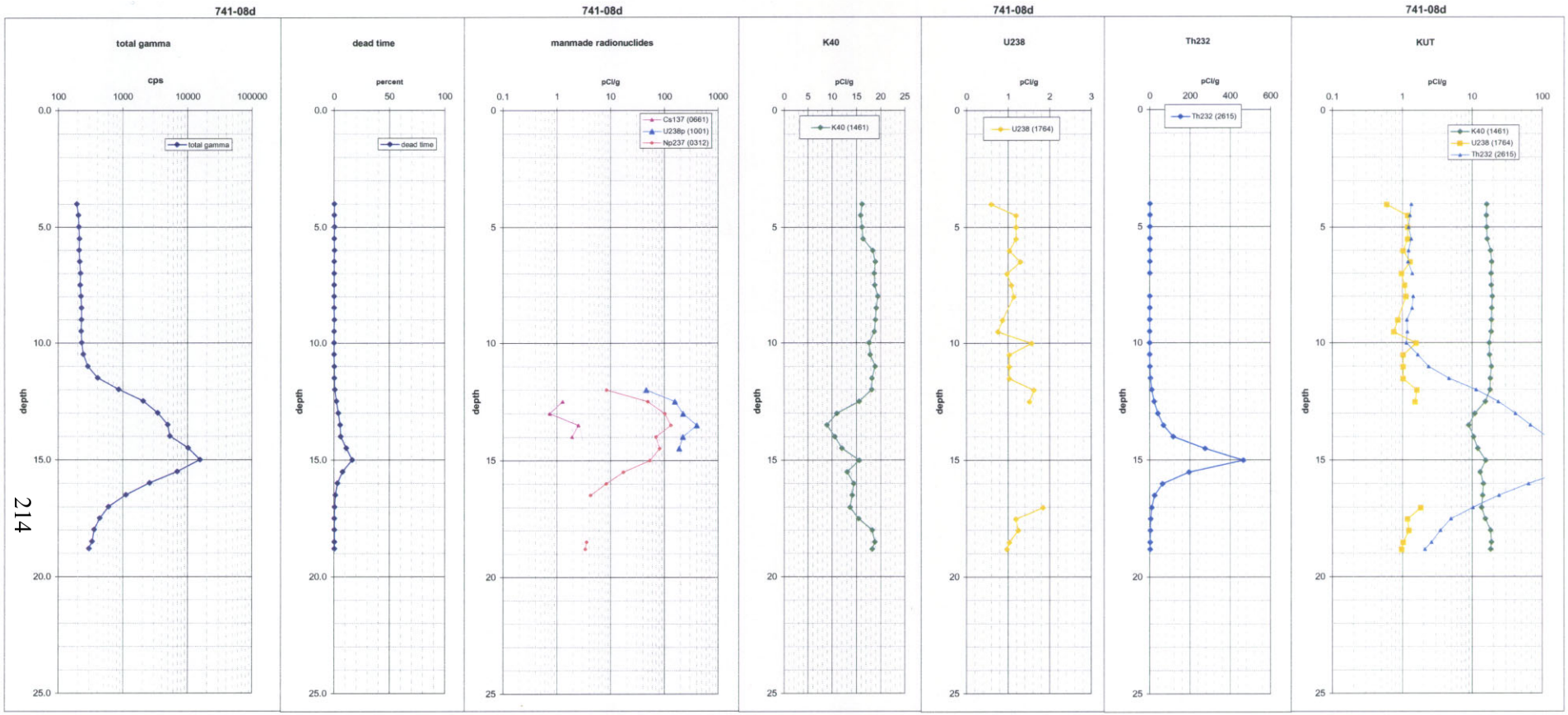
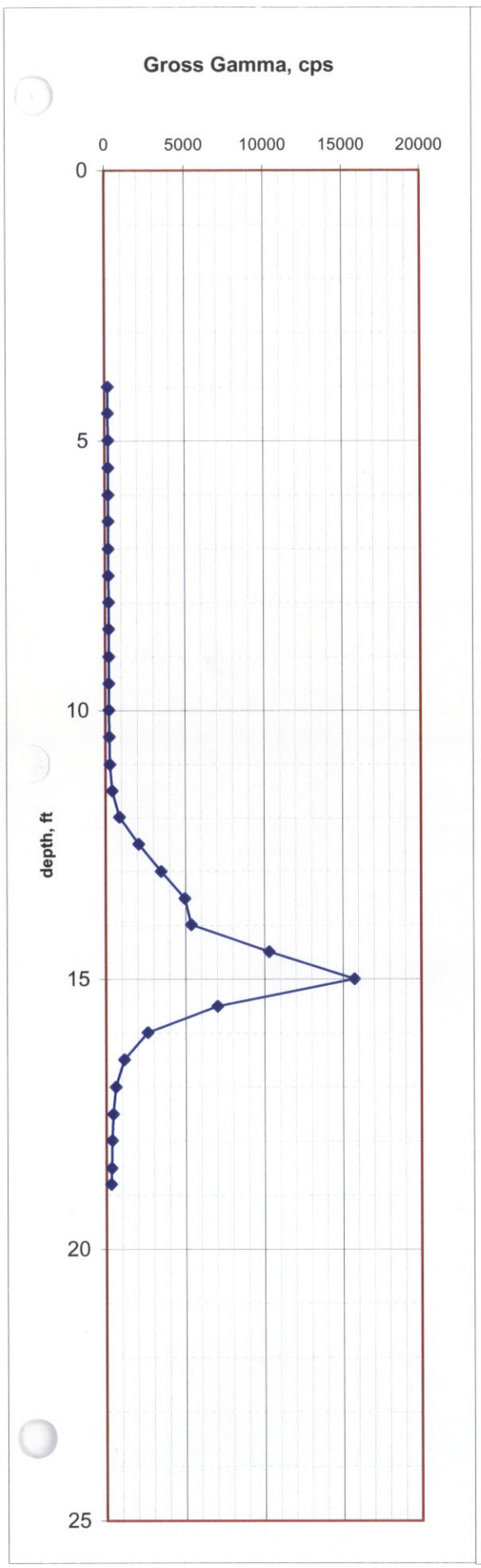
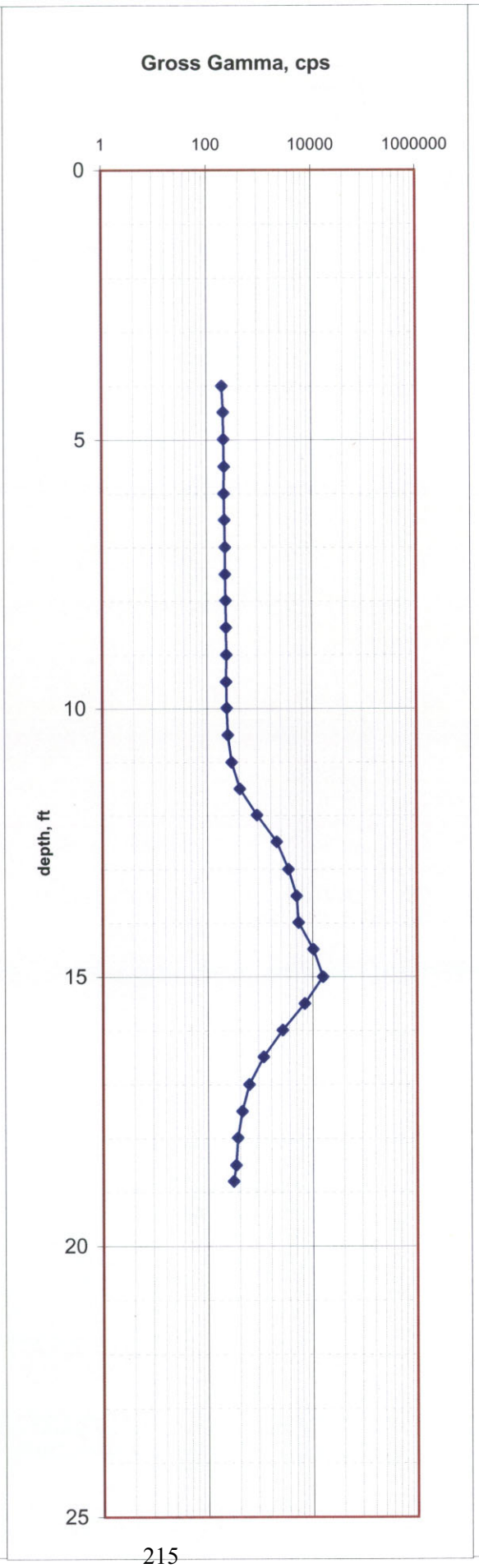
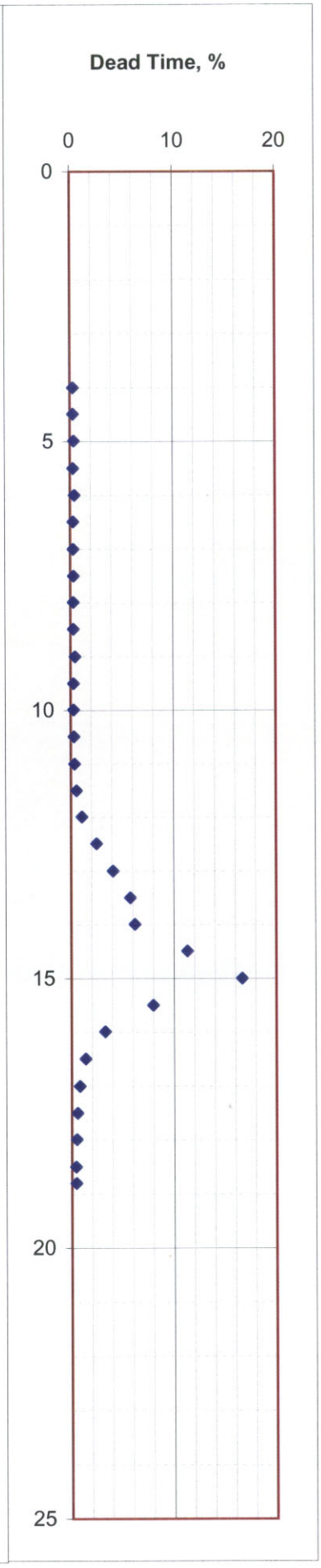

741-08d
total gamma
cps
total gamma
depth
741-08d
dead time
percent
dead time
depth
741-08d
manmade radionuclides
pCi/g
Cs137 (0661)
U238p (1001)
Np237 (0312)
depth
741-08d
K40
pCi/g
K40 (1461)
depth
741-08d
U238
pCi/g
U238 (1764)
depth
741-08d
Th232
pCi/g
Th232 (2615)
depth
741-08d
KUT
pCi/g
K40 (1461)
U238 (1764)
Th232 (2615)
depth

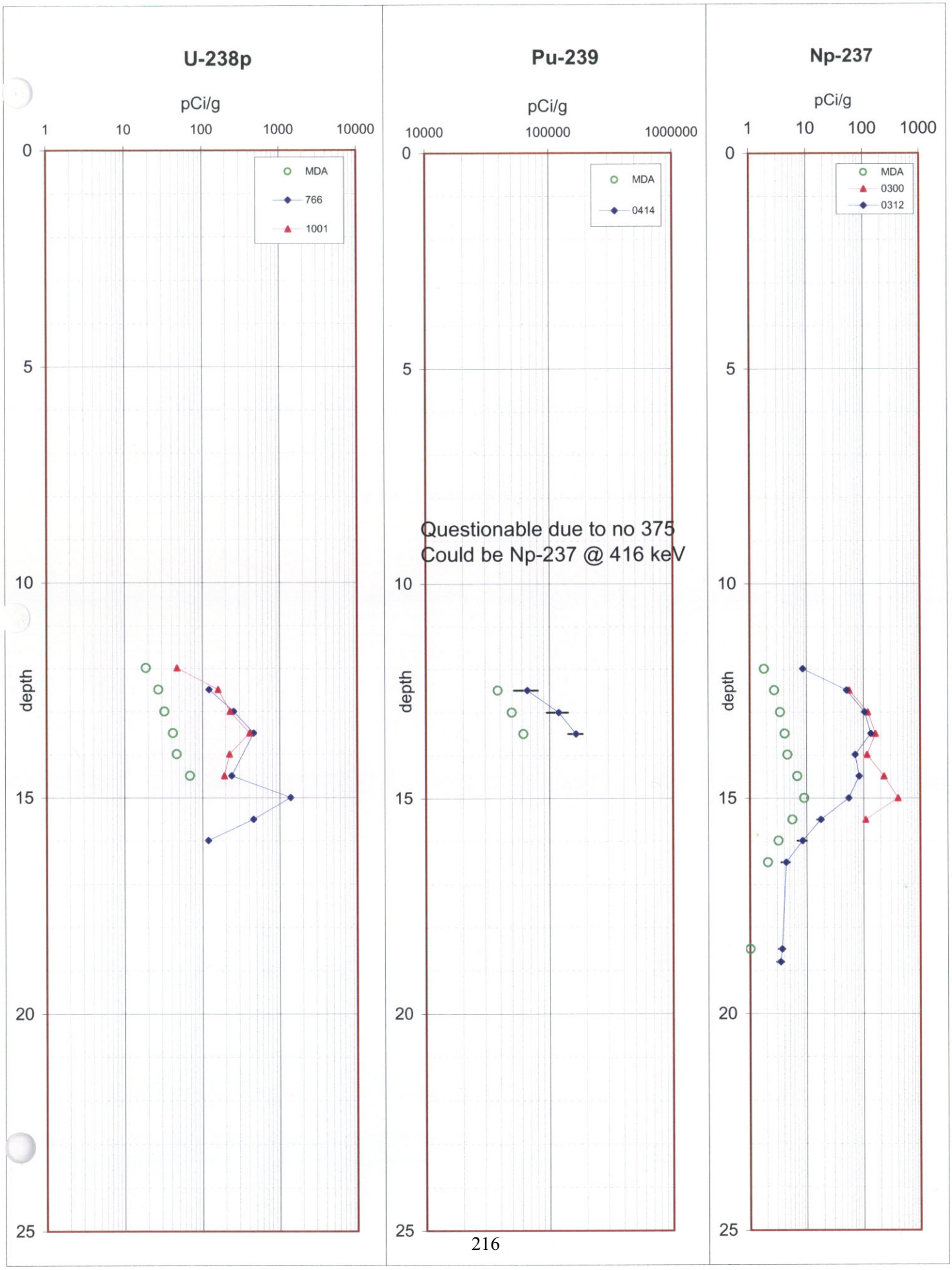
741-08d


Gross Gamma, cps
0
5000
10000
15000
20000
depth, ft
0
5
10
15
20
25

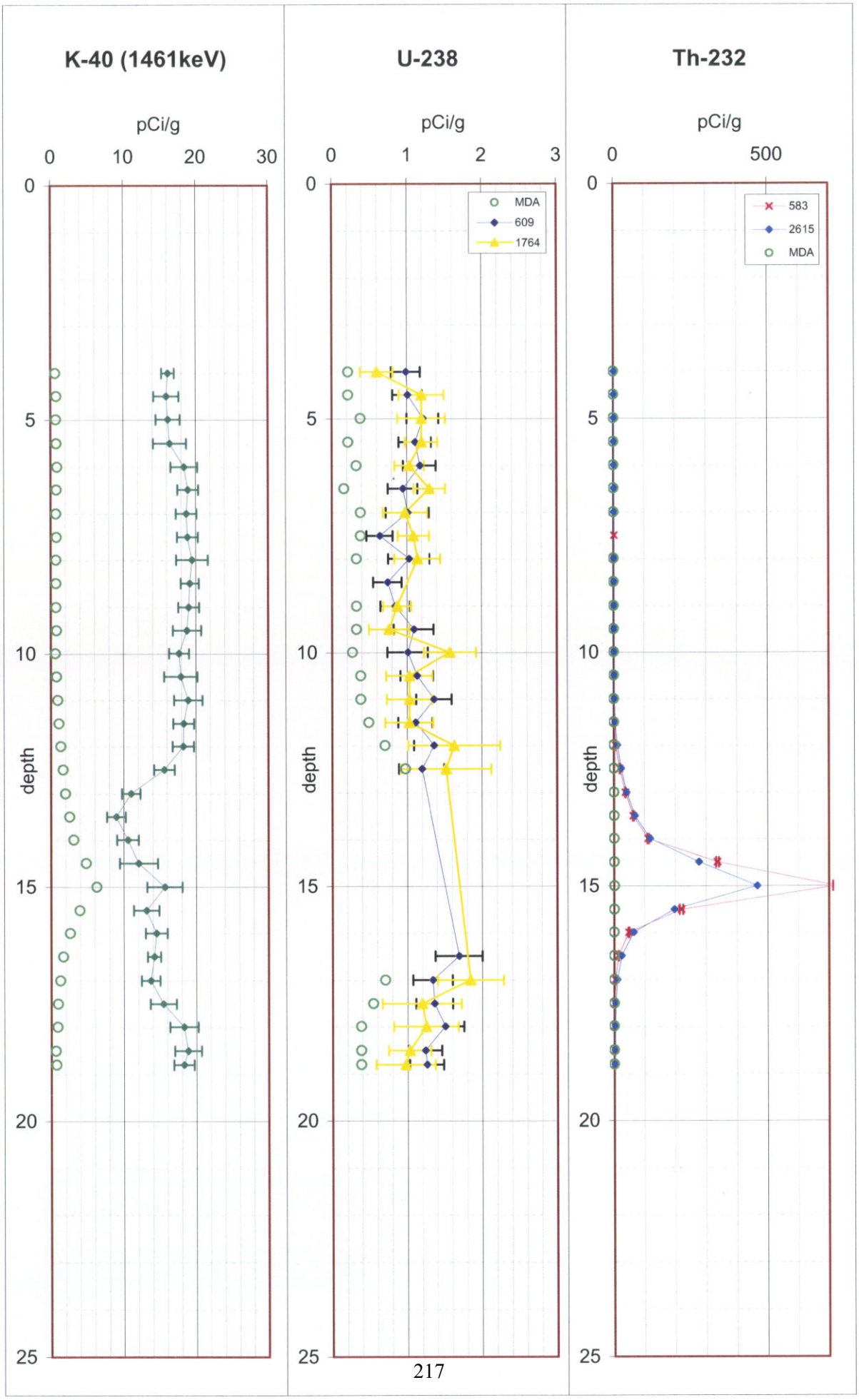

Gross Gamma, cps
1
100
10000
1000000
depth, ft
0
5
10
15
20
25


Dead Time, %
0
10
20
0
5
10
15
20
25

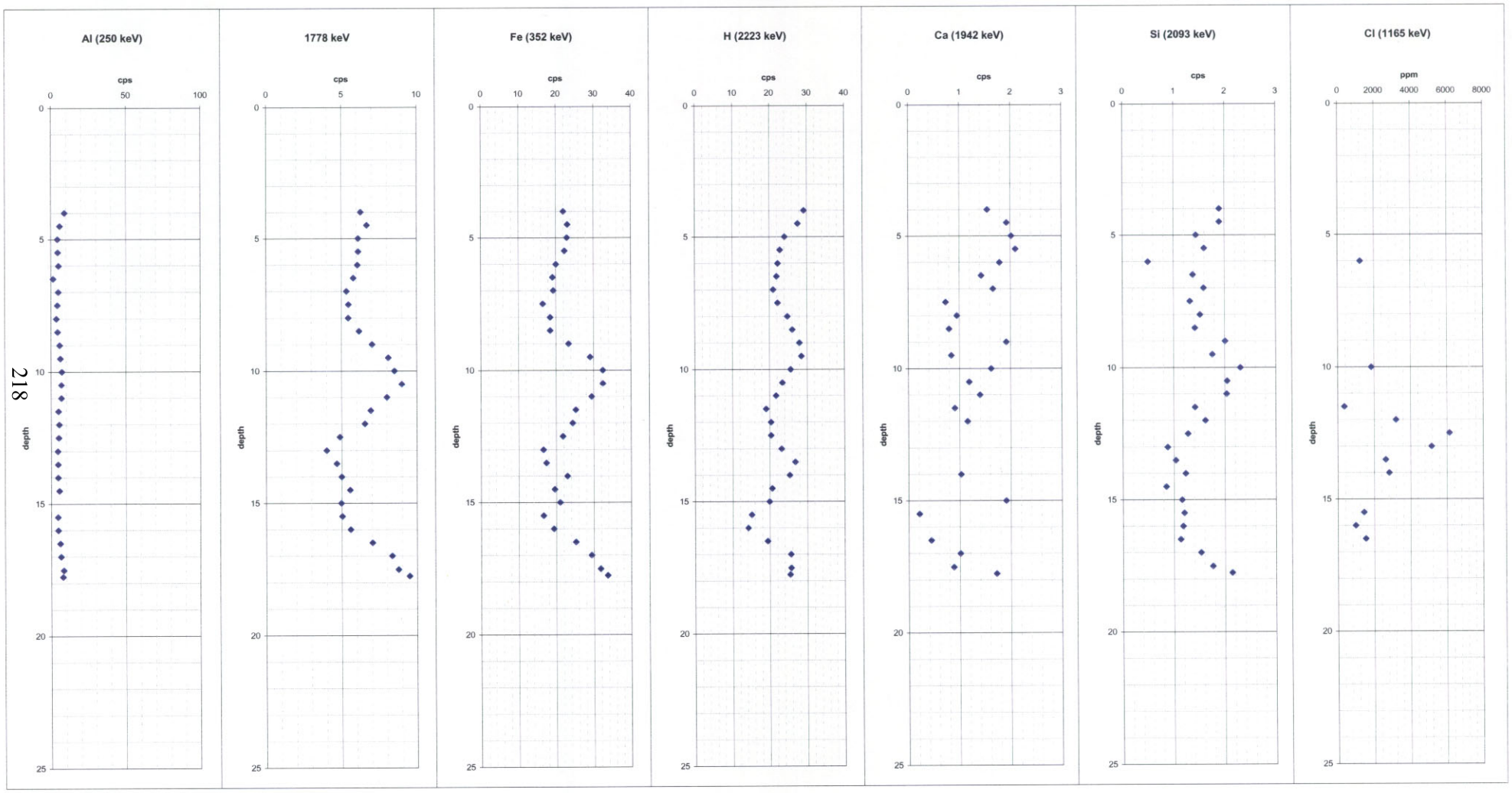
741-08d

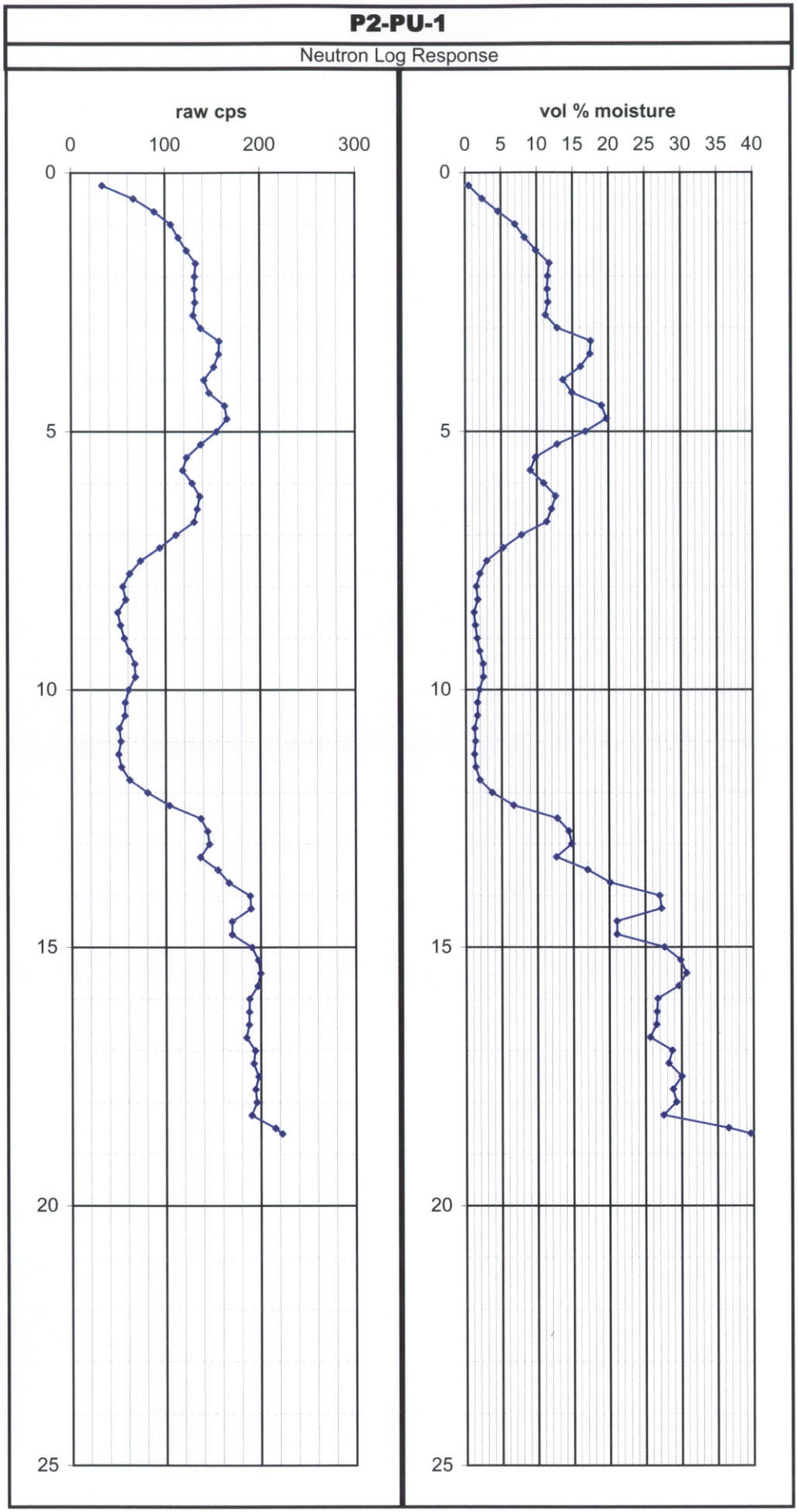

U-238p
pCi/g
1
10
100
1000
10000
MDA
766
1001
depth
0
5
10
15
20
25
Pu-239
pCi/g
10000
100000
1000000
MDA
0414
Questionable due to no 375
Could be Np-237 @ 416 keV
depth
Np-237
pCi/g
1
10
100
1000
MDA
0300
0312
depth

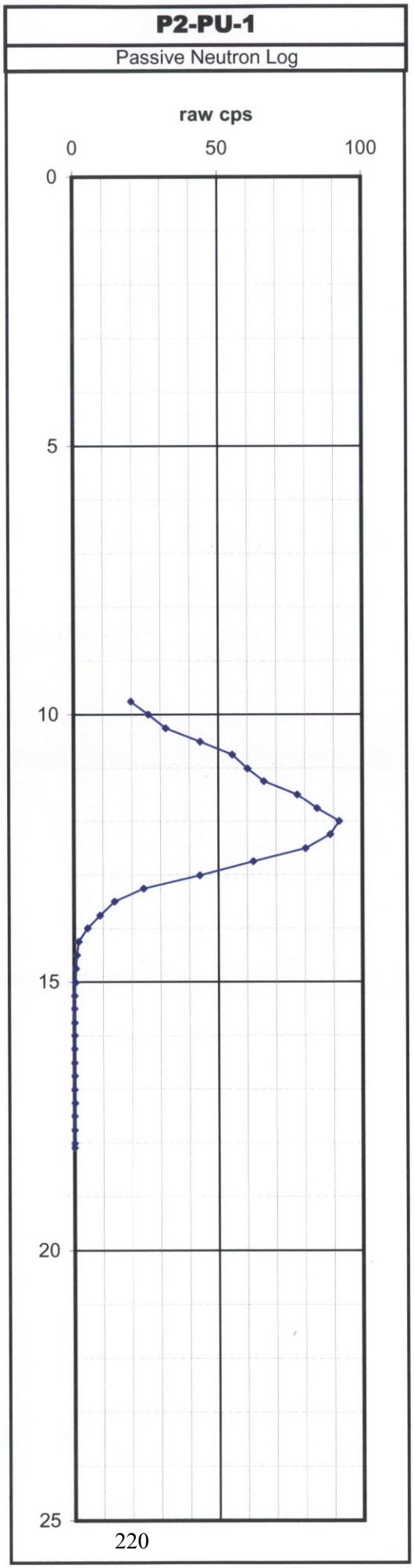
741-08d

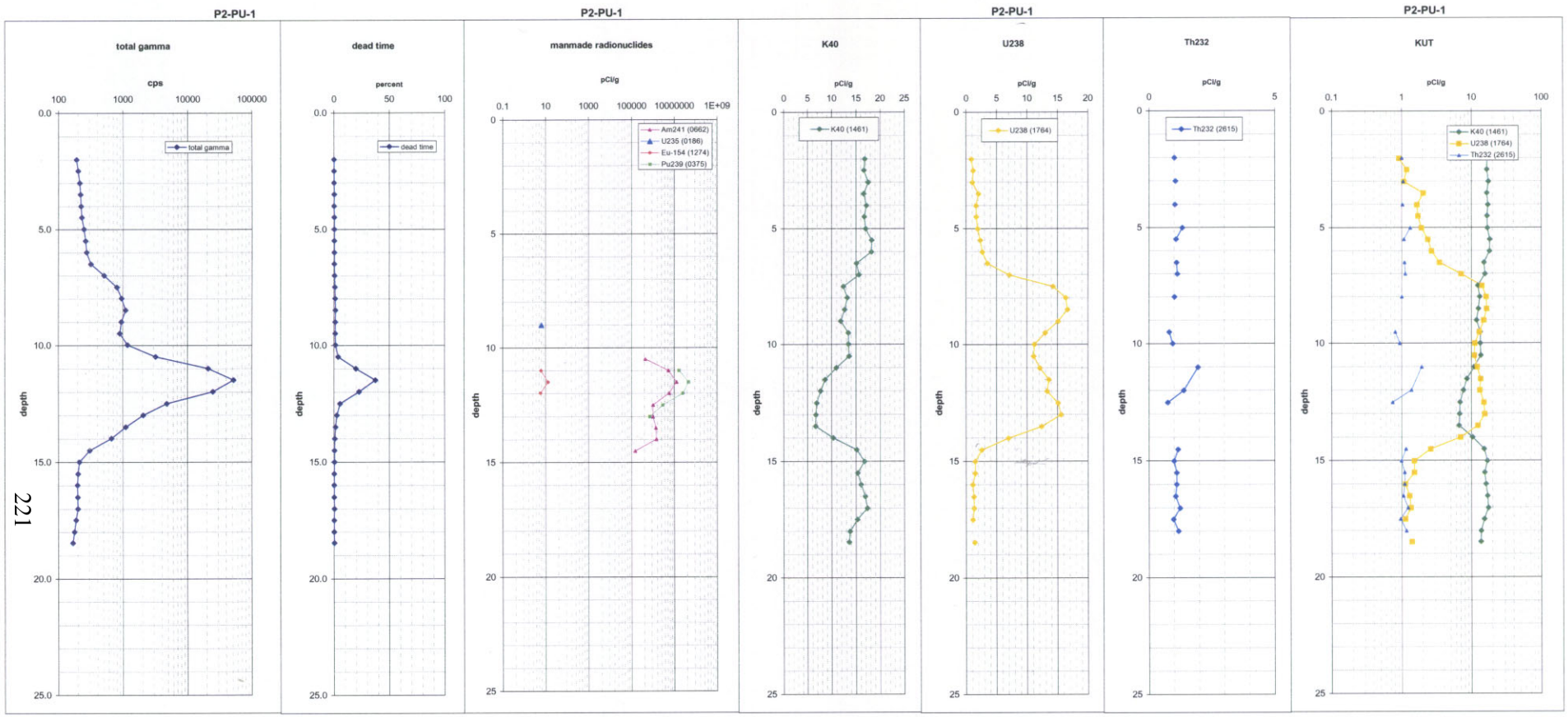

K-40 (1461keV)
pCi/g
0
10
20
30
depth
0
5
10
15
20
25
U-238
pCi/g
0
1
2
3
MDA
609
1764
Th-232
pCi/g
0
500
583
2615
MDA

741-8d

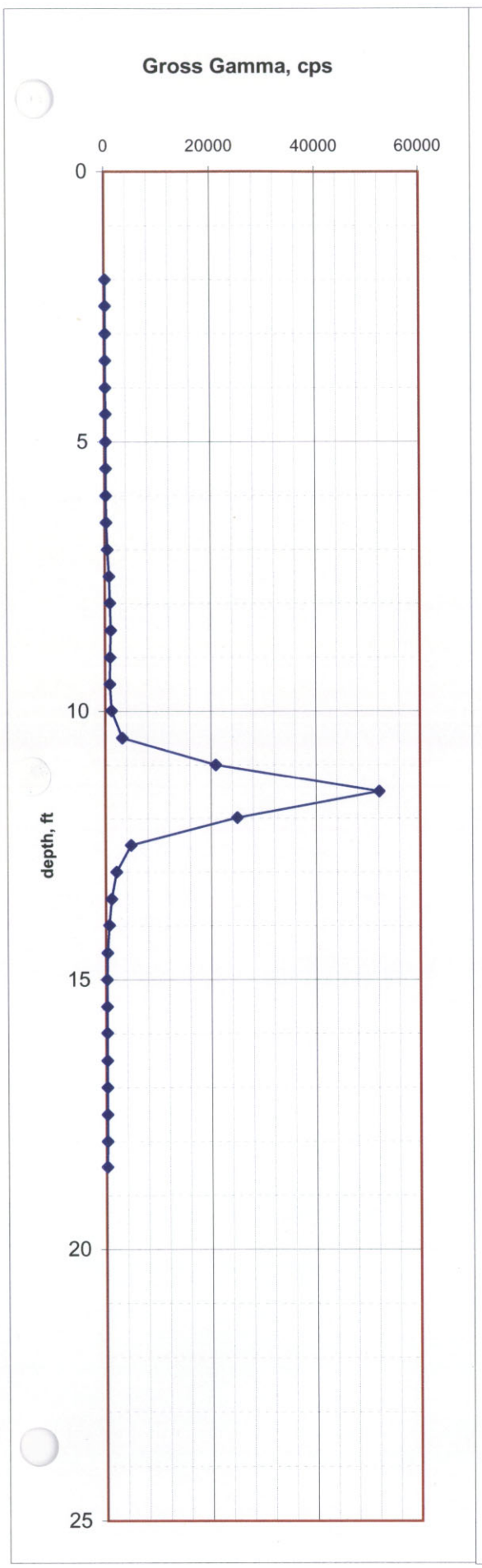

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

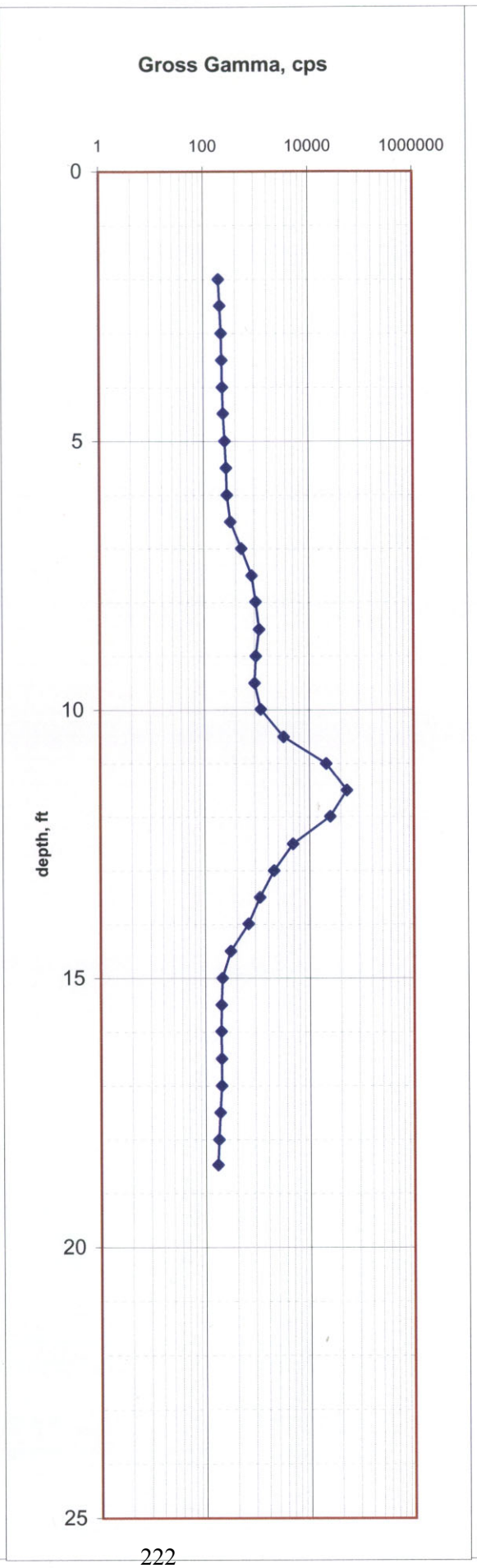

P2-PU-1
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0
5
10
15
20
25
30
35
40

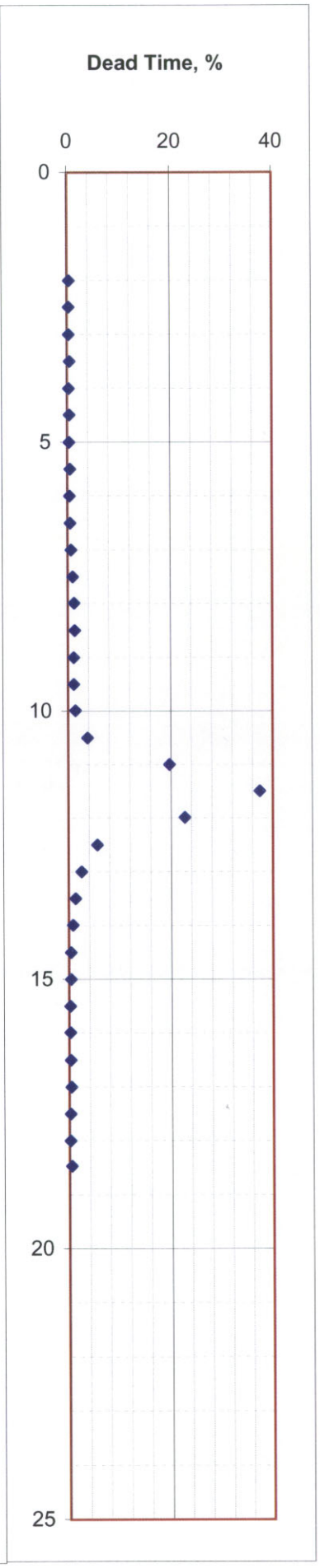

P2-PU-1
Passive Neutron Log
raw cps
0
50
100
0
5
10
15
20
25


P2-PU-1
total gamma
cps
100
1000
10000
100000
total gamma
depth
0.0
5.0
10.0
15.0
20.0
25.0
P2-PU-1
dead time
percent
0
50
100
dead time
depth
P2-PU-1
manmade radionuclides
pCi/g
0.1
10
1000
100000
10000000
1E+09
Am241 (0662)
U235 (0186)
Eu-154 (1274)
Pu239 (0375)
depth
P2-PU-1
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
P2-PU-1
U238
pCi/g
U238 (1764)
depth
P2-PU-1
Th232
pCi/g
Th232 (2615)
depth
P2-PU-1
KUT
pCi/g
0.1
1
10
100
K40 (1461)
U238 (1764)
Th232 (2615)
depth

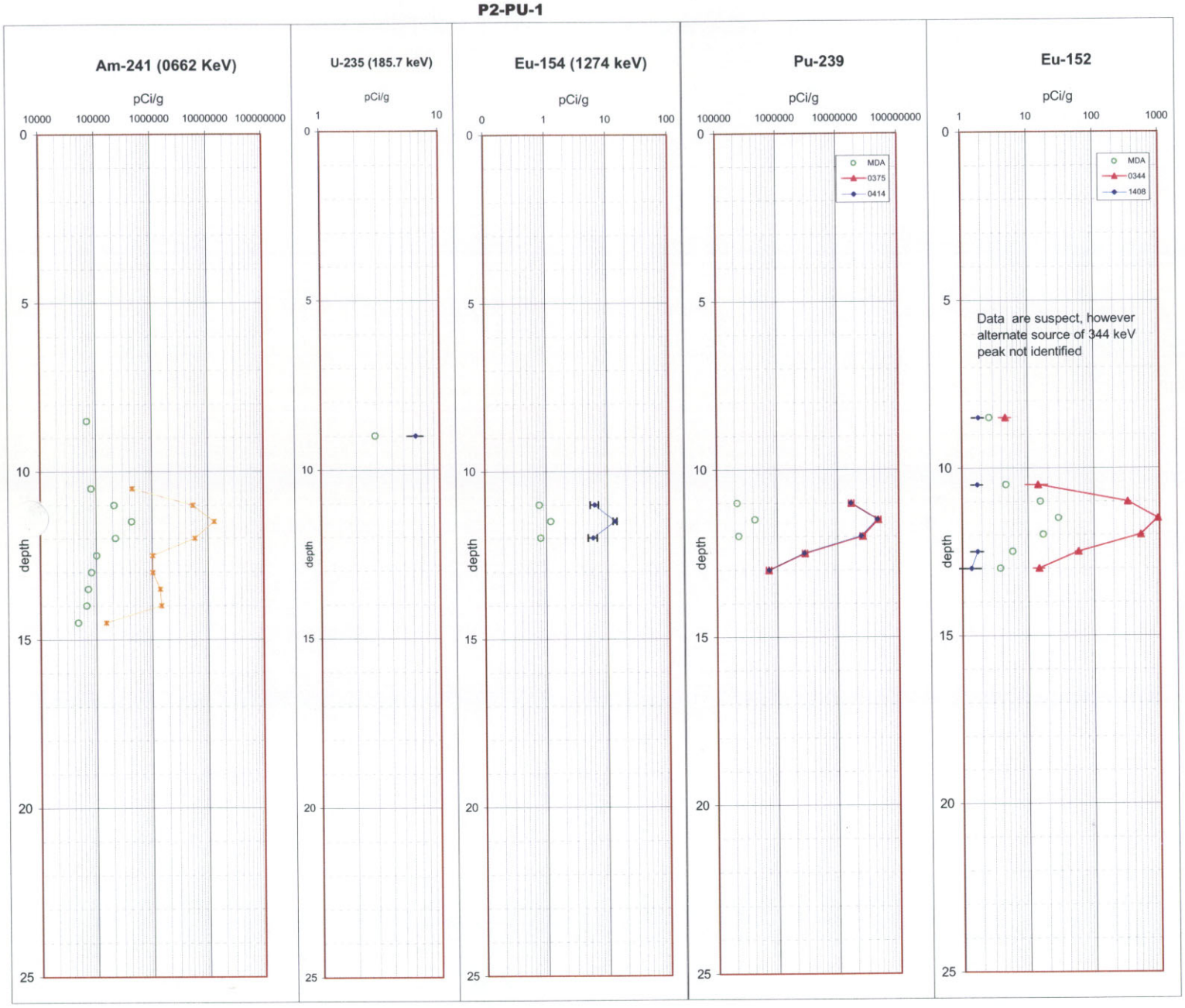
P2-PU-1


Gross Gamma, cps
0
20000
40000
60000
0
5
10
15
20
25
depth, ft

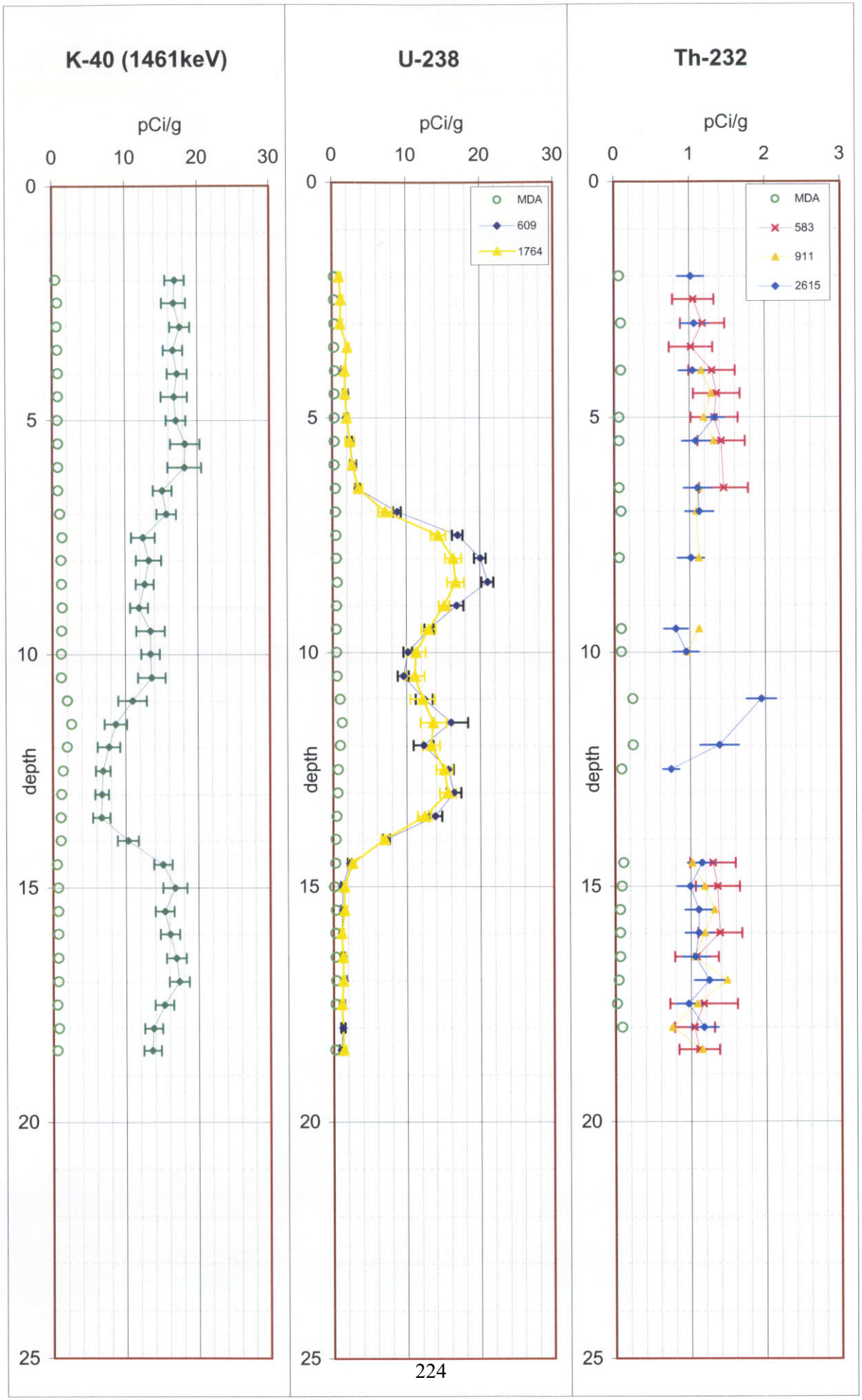

Gross Gamma, cps
1
100
10000
1000000
0
5
10
15
20
25
depth, ft


Dead Time, %
0
20
40
0
5
10
15
20
25

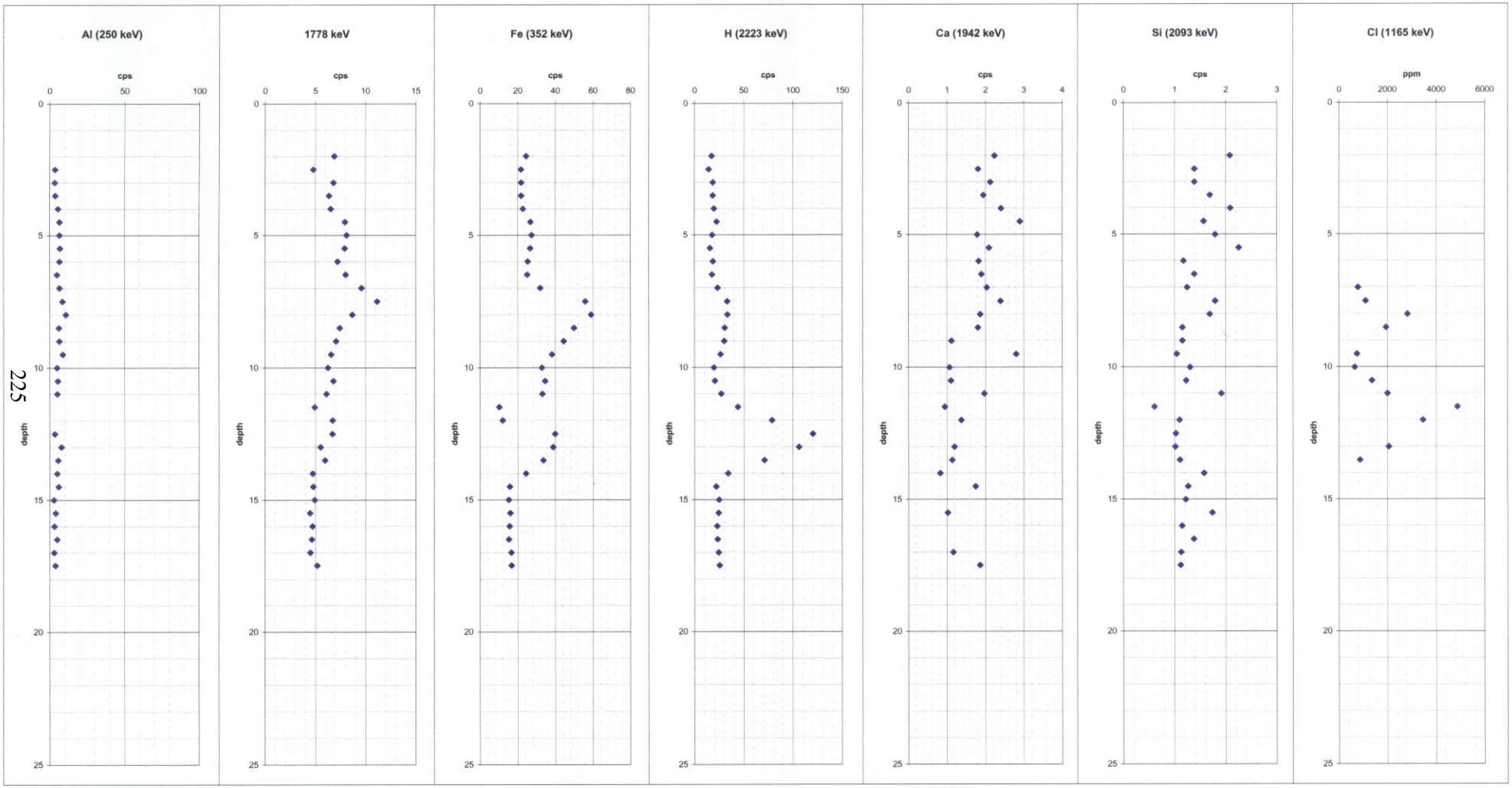
P2-PU-1

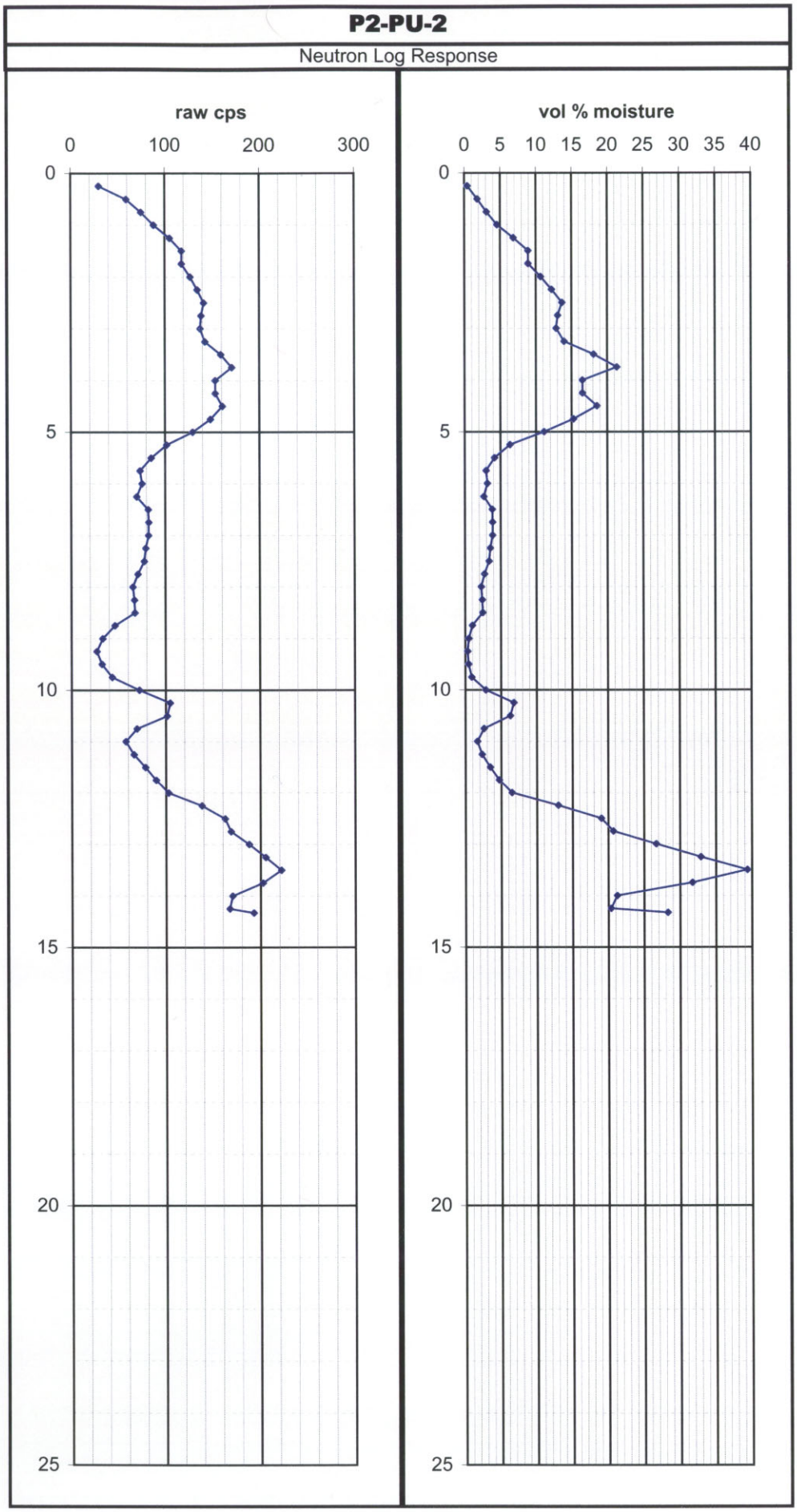

Am-241 (0662 KeV)
pCi/g
10000
100000
1000000
10000000
100000000
depth
U-235 (185.7 keV)
pCi/g
1
10
Eu-154 (1274 keV)
pCi/g
0
1
10
100
Pu-239
pCi/g
100000
1000000
10000000
100000000
MDA
0375
0414
Eu-152
pCi/g
1
10
100
1000
MDA
0344
1408
Data are suspect, however alternate source of 344 keV peak not identified
0
5
10
15
20
25

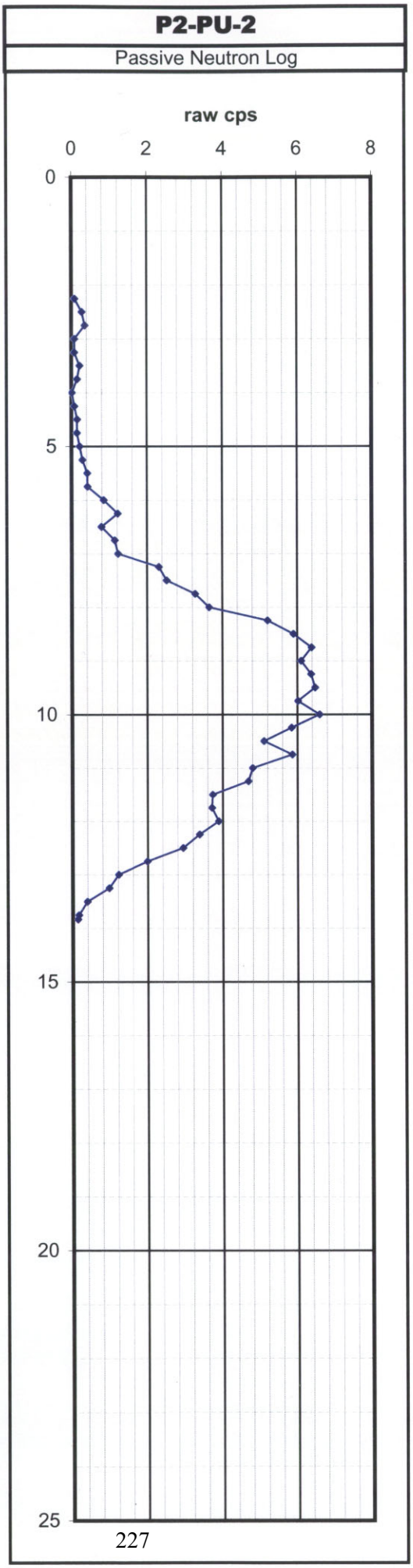
P2-PU-1

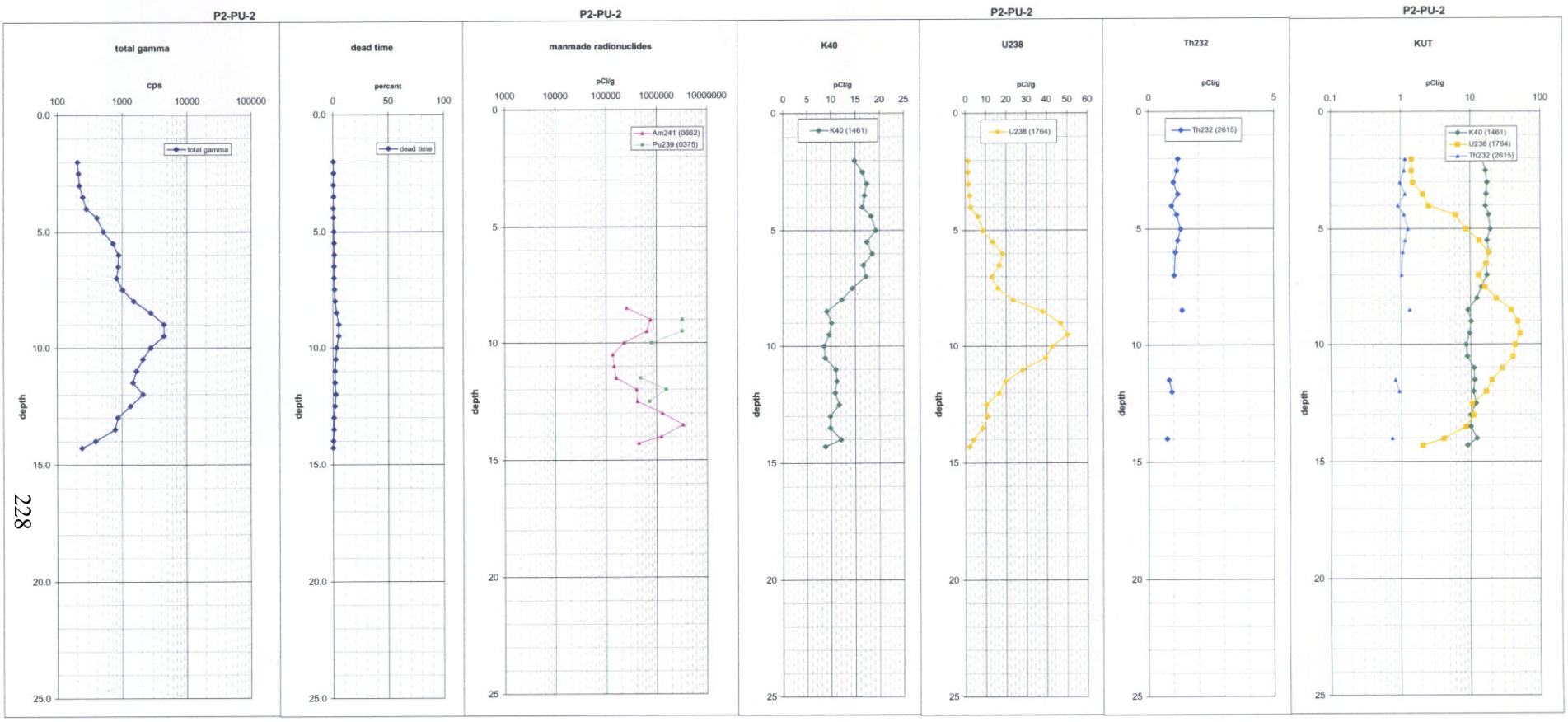


P2-PU-1

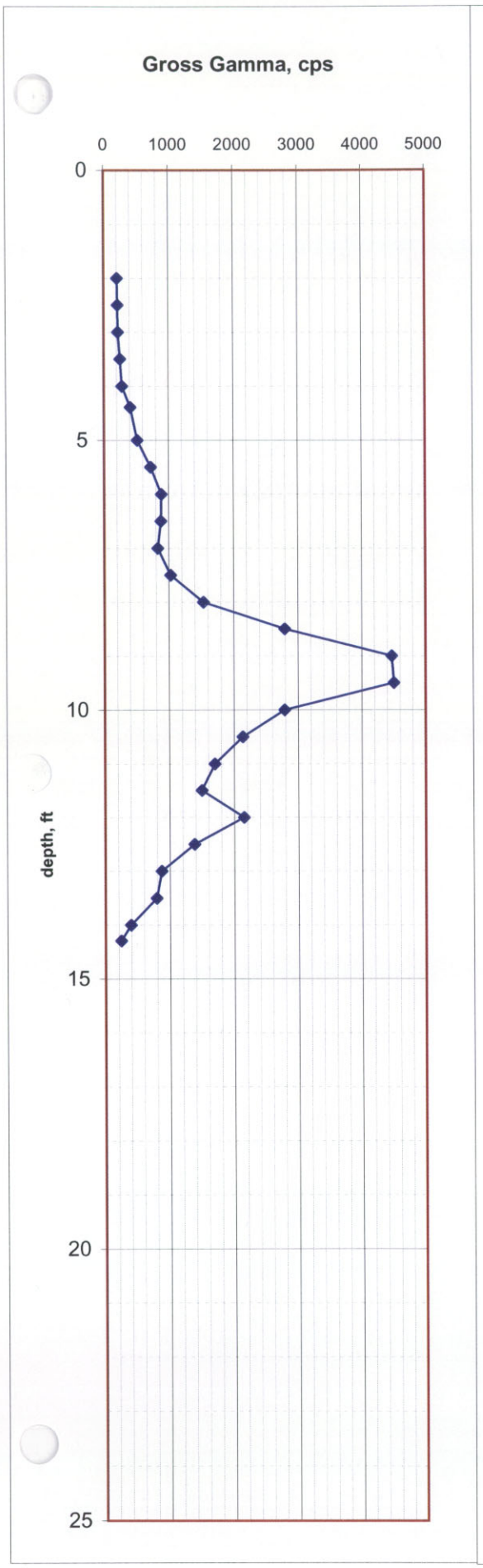

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

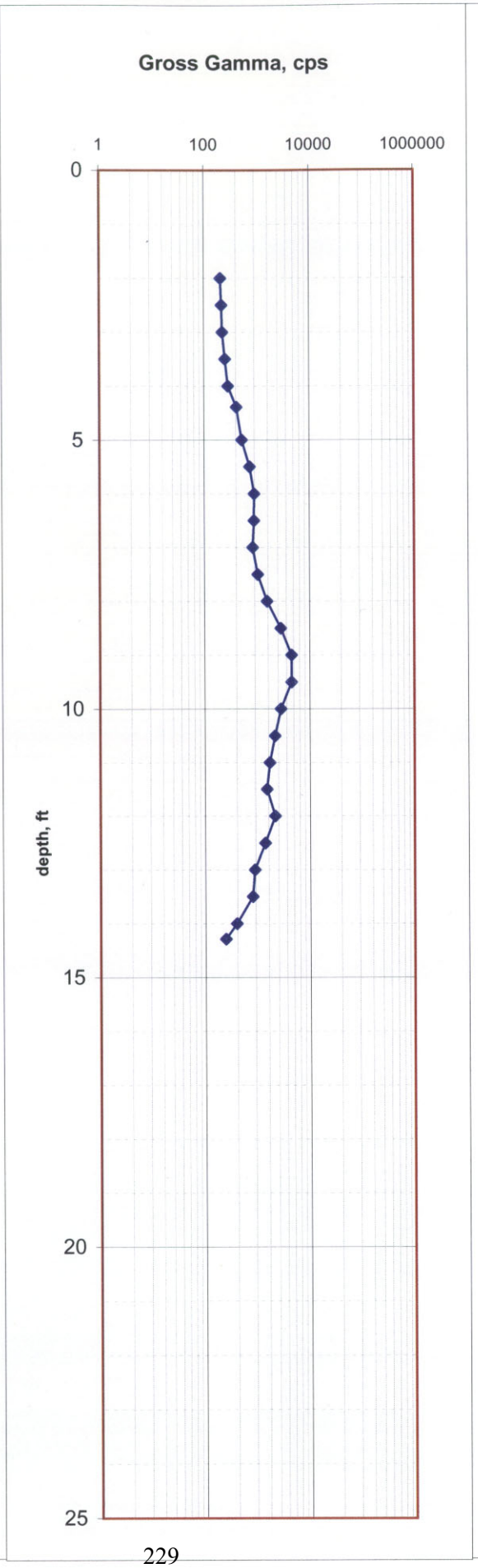

P2-PU-2
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0
5
10
15
20
25
30
35
40

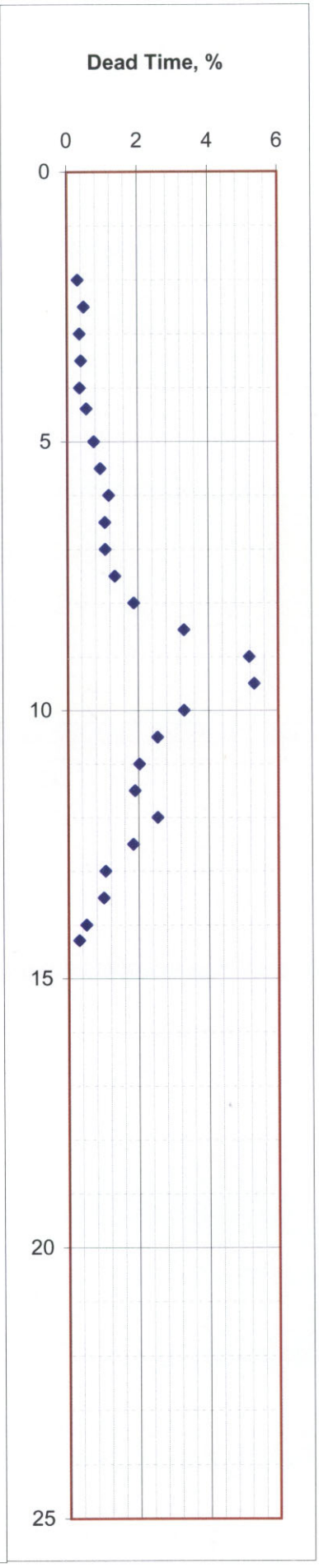

P2-PU-2
Passive Neutron Log
raw cps
0
2
4
6
8
0
5
10
15
20
25


P2-PU-2
total gamma
cps
100
1000
10000
100000
total gamma
depth
0.0
5.0
10.0
15.0
20.0
25.0
P2-PU-2
dead time
percent
0
50
100
dead time
depth
P2-PU-2
manmade radionuclides
pCi/g
1000
10000
100000
1000000
10000000
Am241 (0662)
Pu239 (0375)
depth
0
5
10
15
20
25
P2-PU-2
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
P2-PU-2
U238
pCi/g
0
10
20
30
40
50
60
U238 (1764)
depth
P2-PU-2
Th232
pCi/g
0
5
Th232 (2615)
depth
P2-PU-2
KUT
pCi/g
0.1
1
10
100
K40 (1461)
U238 (1764)
Th232 (2615)
depth

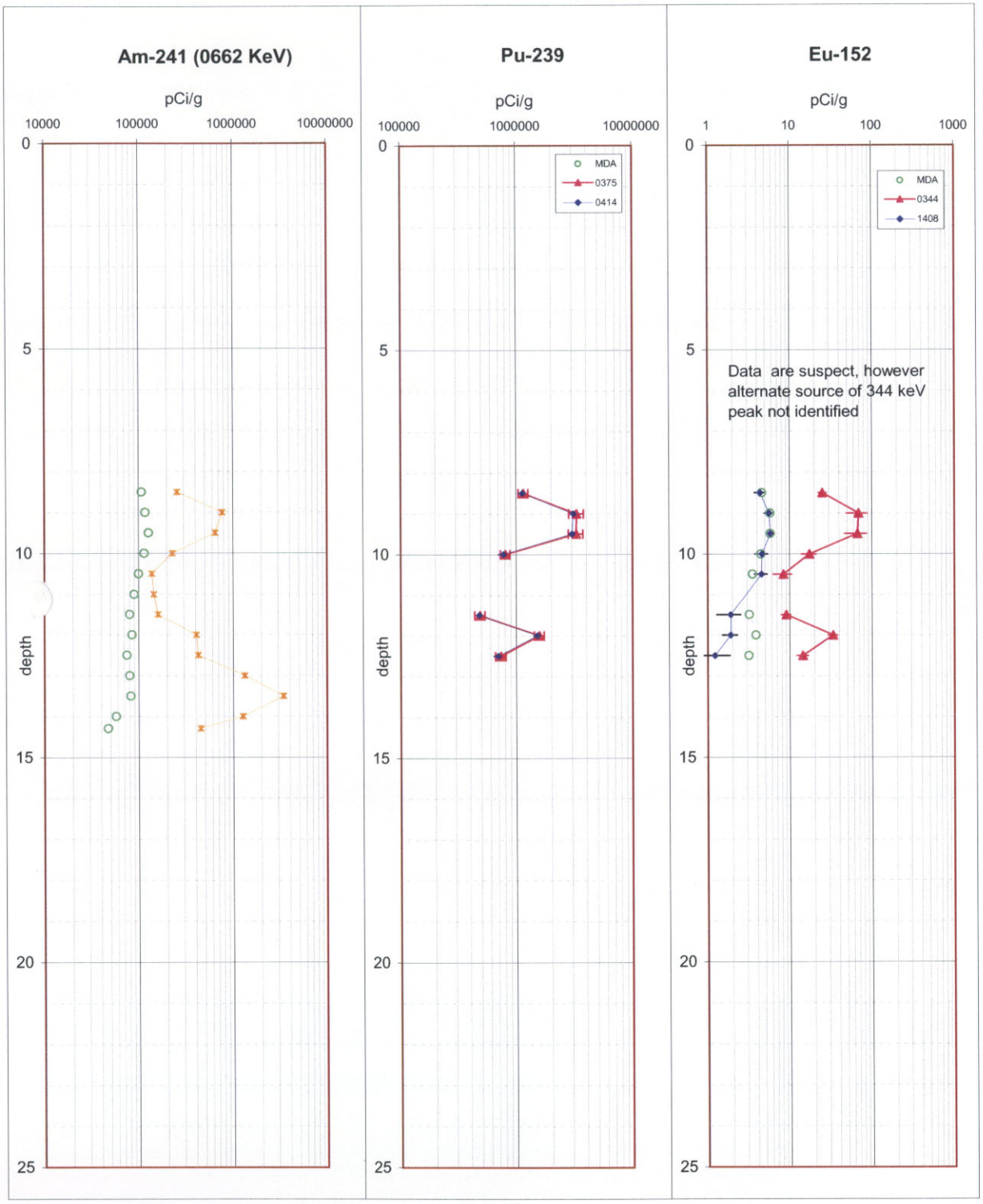
P2-PU-2


Gross Gamma, cps
0
1000
2000
3000
4000
5000
depth, ft
0
5
10
15
20
25

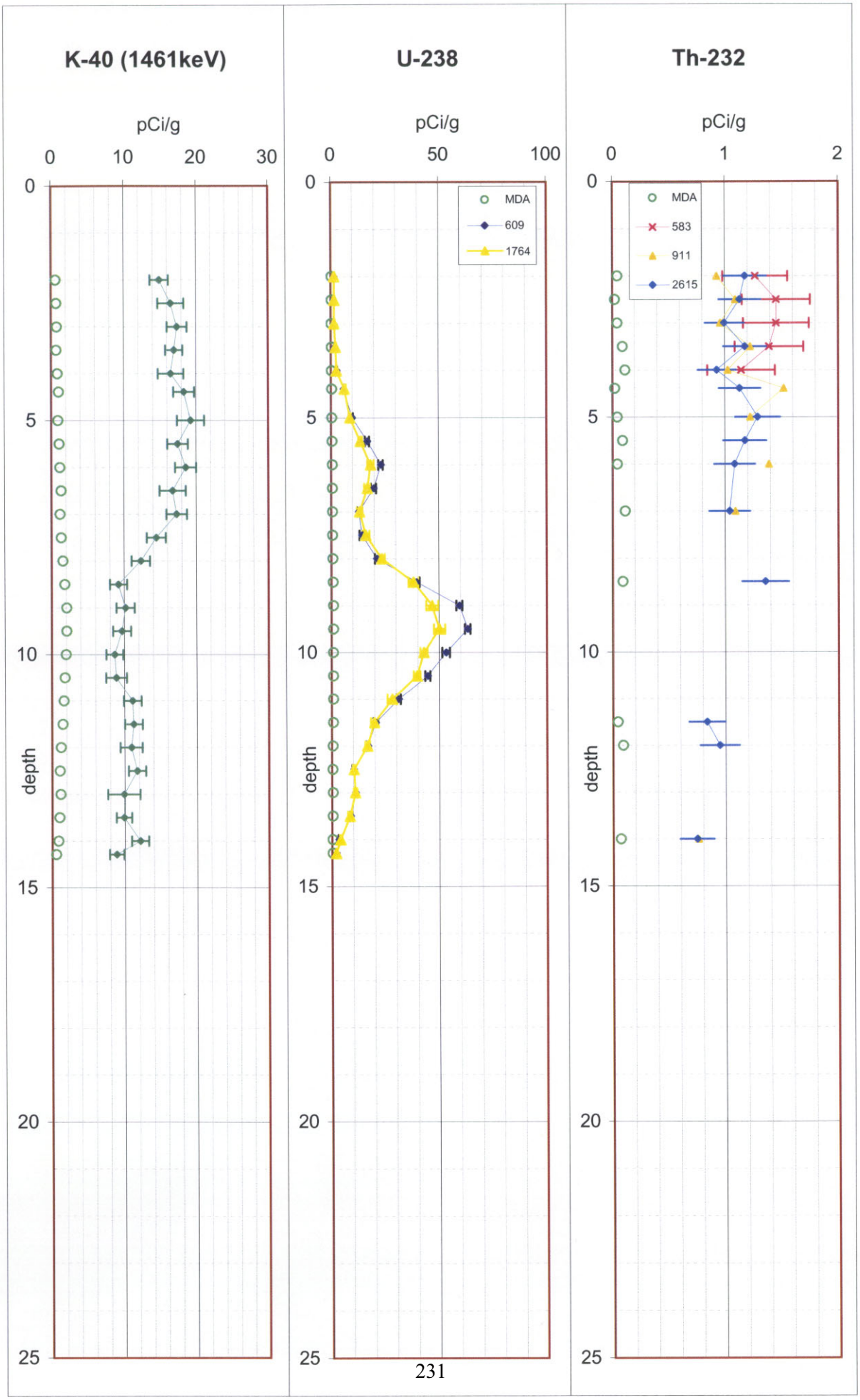

Gross Gamma, cps
1
100
10000
1000000
depth, ft
0
5
10
15
20
25


Dead Time, %
0
2
4
6
0
5
10
15
20
25

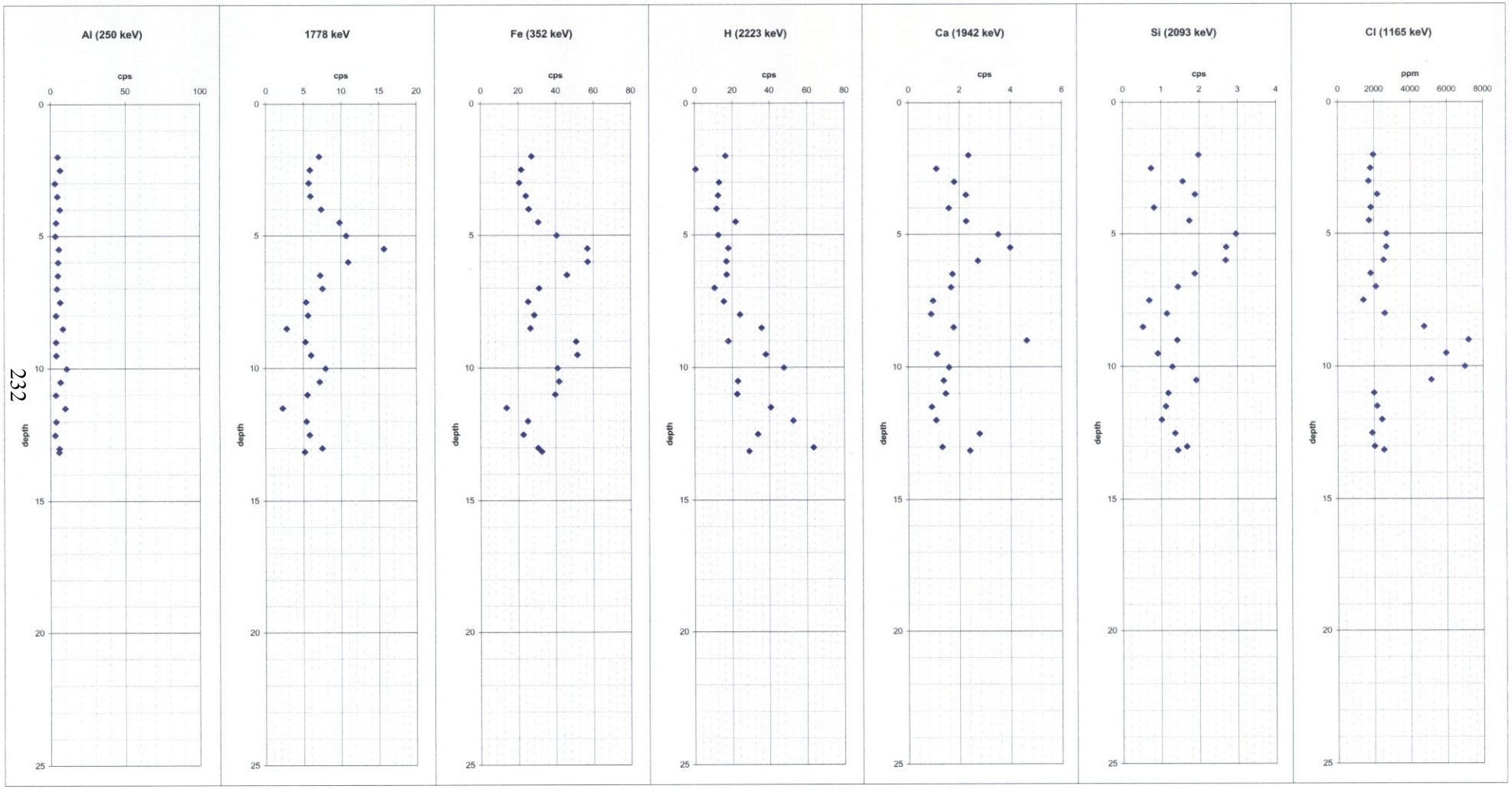
P2-PU-2


Am-241 (0662 KeV)
pCi/g
10000
100000
1000000
10000000
Pu-239
pCi/g
100000
1000000
10000000
MDA
0375
0414
Eu-152
pCi/g
1
10
100
1000
MDA
0344
1408
Data are suspect, however alternate source of 344 keV peak not identified
depth
0
5
10
15
20
25

P2-PU-2


K-40 (1461keV)
U-238
Th-232
pCi/g
0
10
20
30
50
100
1
2
depth
0
5
10
15
20
25
MDA
609
1764
583
911
2615

P2-PU-2


Al (250 keV)
cps
0 50 100
1778 keV
cps
0 5 10 15 20
Fe (352 keV)
cps
0 20 40 60 80
H (2223 keV)
cps
0 20 40 60 80
Ca (1942 keV)
cps
0 2 4 6
Si (2093 keV)
cps
0 1 2 3 4
Cl (1165 keV)
ppm
0 2000 4000 6000 8000
depth
0 5 10 15 20 25