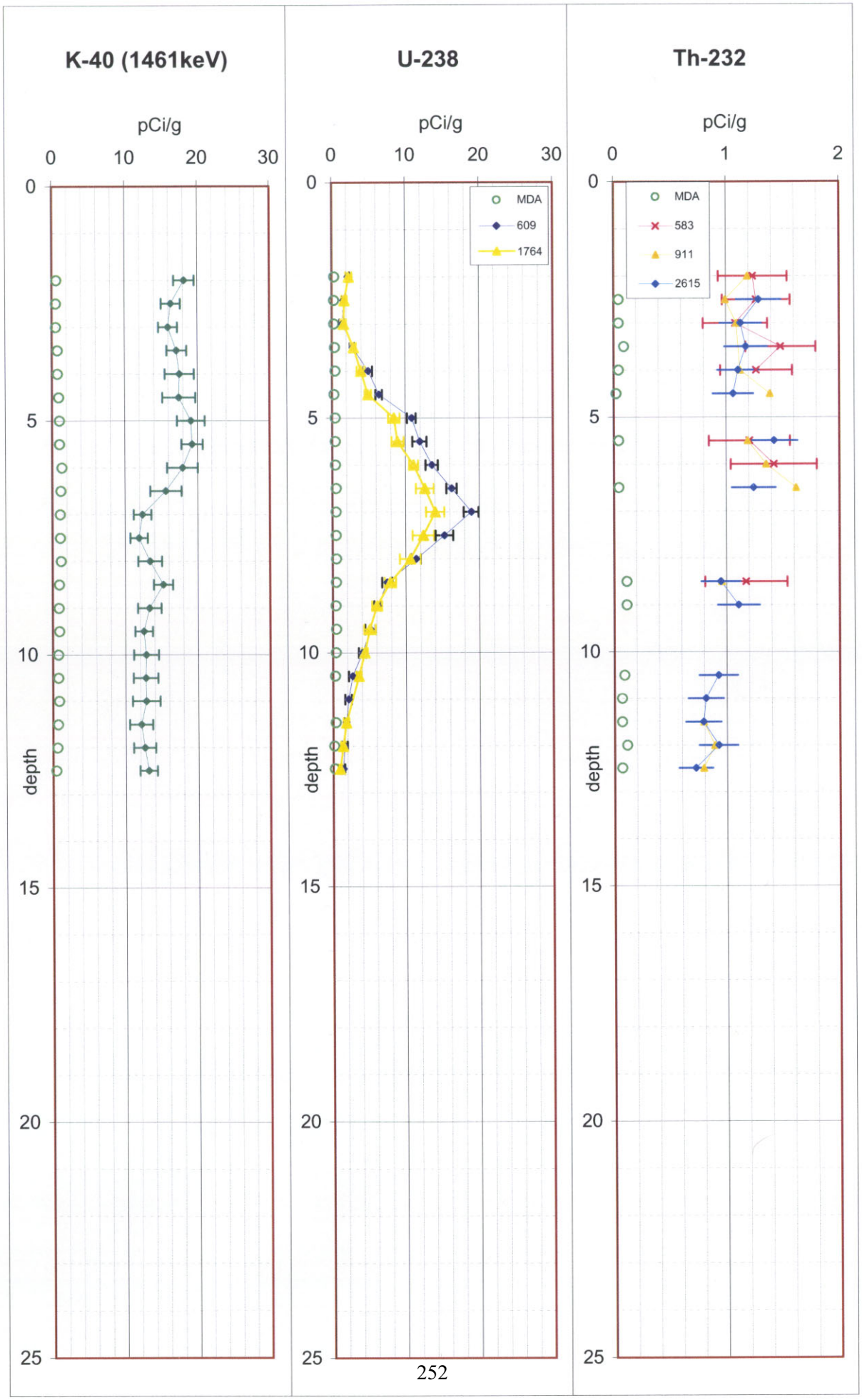
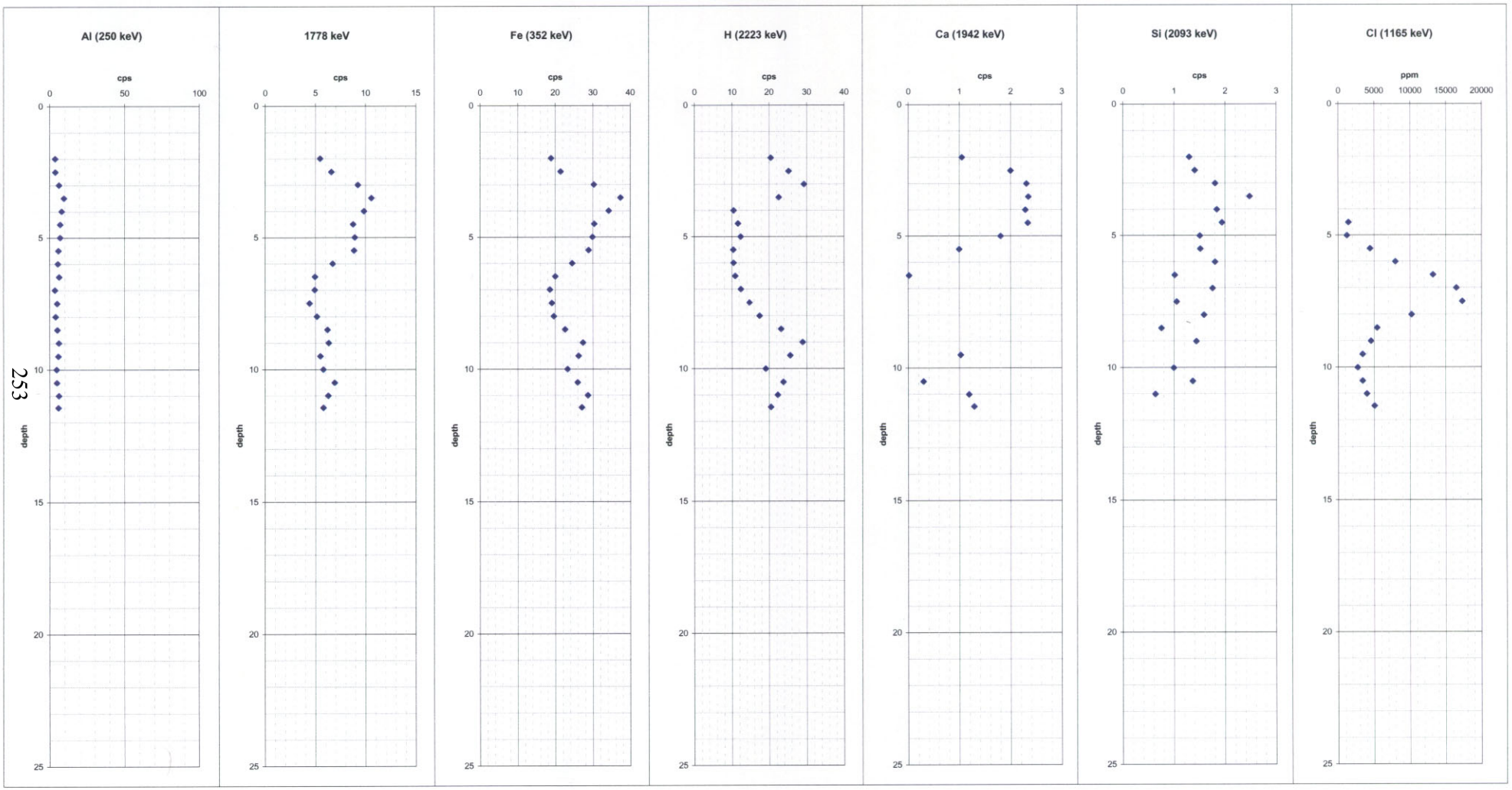
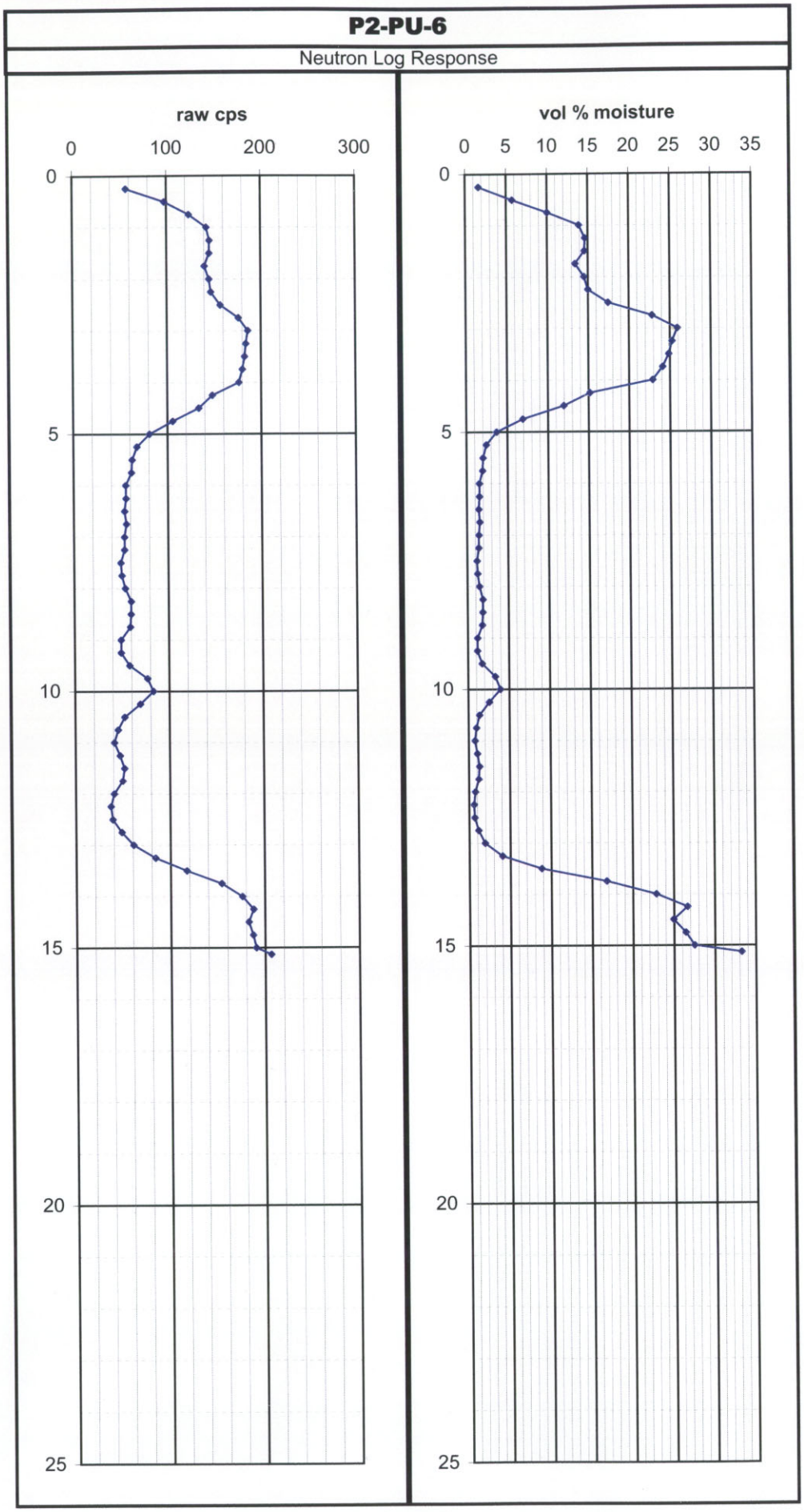
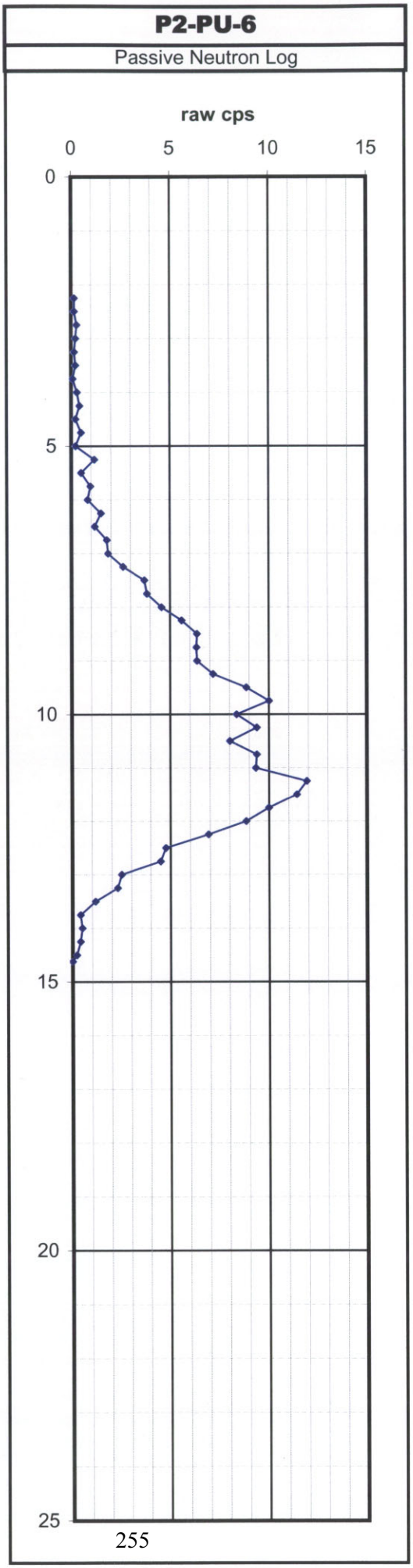
P2-PU-5

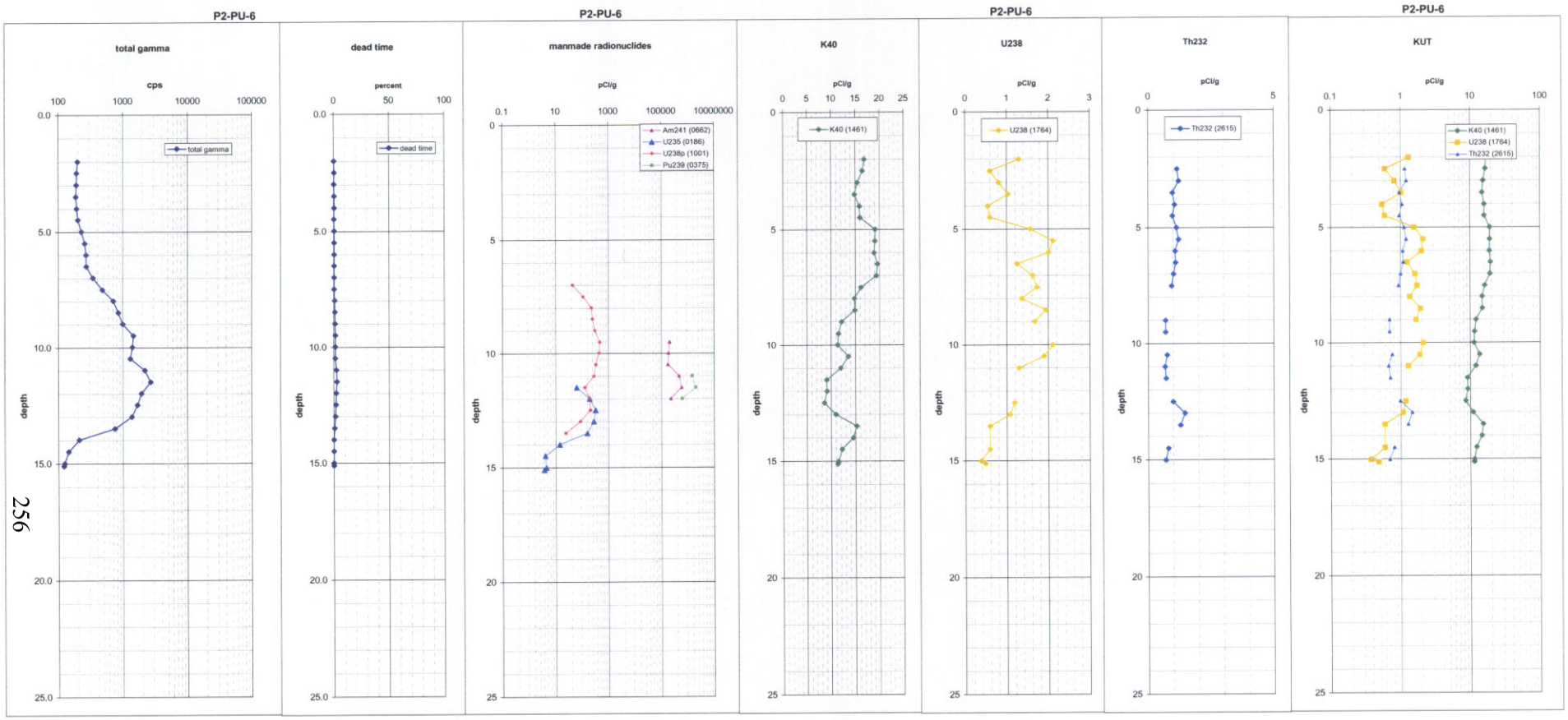


P2-PU-5

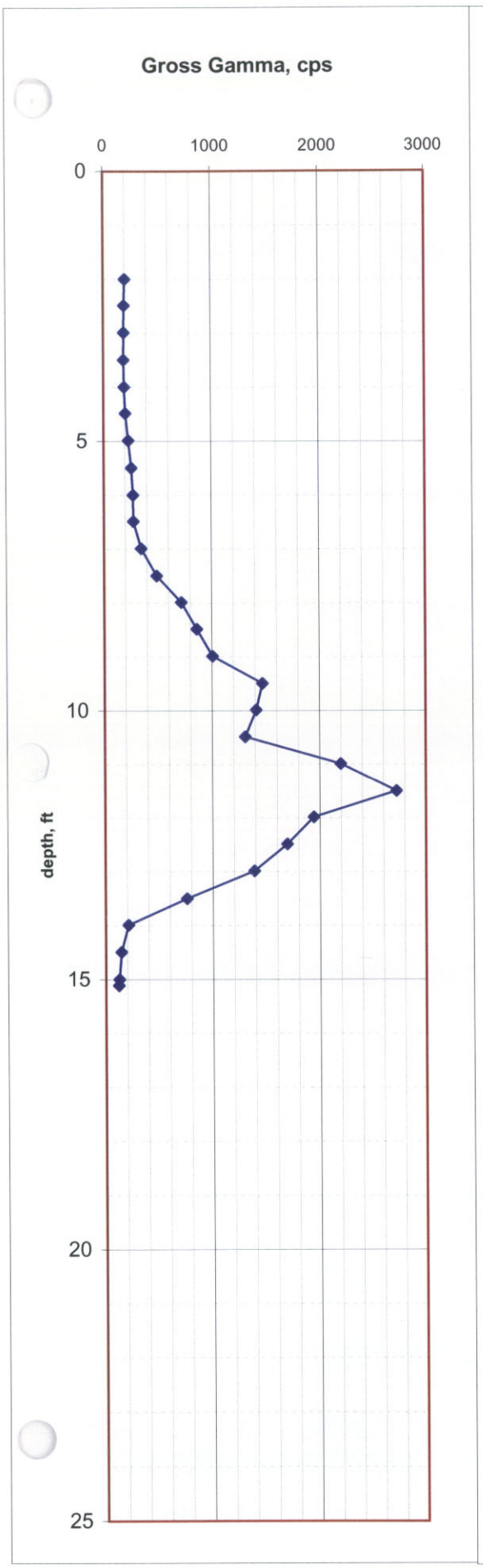

Al (250 keV)
cps
0 50 100
1778 keV
cps
0 5 10 15
Fe (352 keV)
cps
0 10 20 30 40
H (2223 keV)
cps
0 10 20 30 40
Ca (1942 keV)
cps
0 1 2 3
Si (2093 keV)
cps
0 1 2 3
Cl (1165 keV)
ppm
0 5000 10000 15000 20000
depth
0 5 10 15 20 25

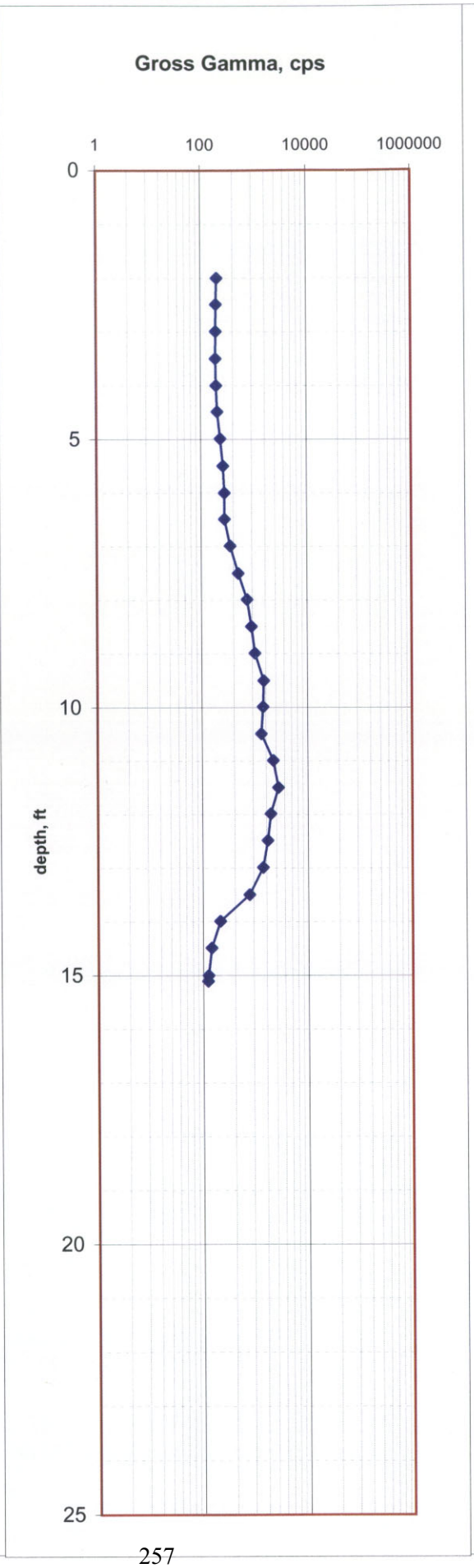

P2-PU-6
Neutron Log Response
raw cps
0
100
200
300
0
5
10
15
20
25
vol % moisture
0
5
10
15
20
25
30
35
0
5
10
15
20
25

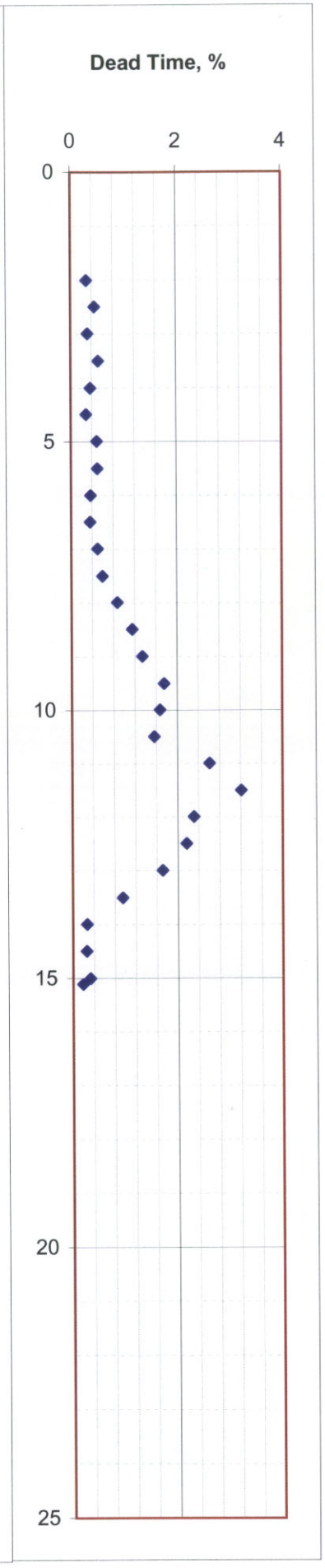

P2-PU-6
Passive Neutron Log
raw cps
0
5
10
15
0
5
10
15
20
25


P2-PU-6
total gamma
cps
100
1000
10000
100000
depth
0.0
5.0
10.0
15.0
20.0
25.0
total gamma
P2-PU-6
dead time
percent
0
50
100
dead time
P2-PU-6
manmade radionuclides
pCi/g
0.1
10
1000
100000
10000000
Am241 (0662)
U235 (0186)
U238p (1001)
Pu239 (0375)
P2-PU-6
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
P2-PU-6
U238
pCi/g
0
1
2
3
U238 (1764)
P2-PU-6
Th232
pCi/g
0
5
Th232 (2615)
P2-PU-6
KUT
pCi/g
0.1
1
10
100
K40 (1461)
U238 (1764)
Th232 (2615)

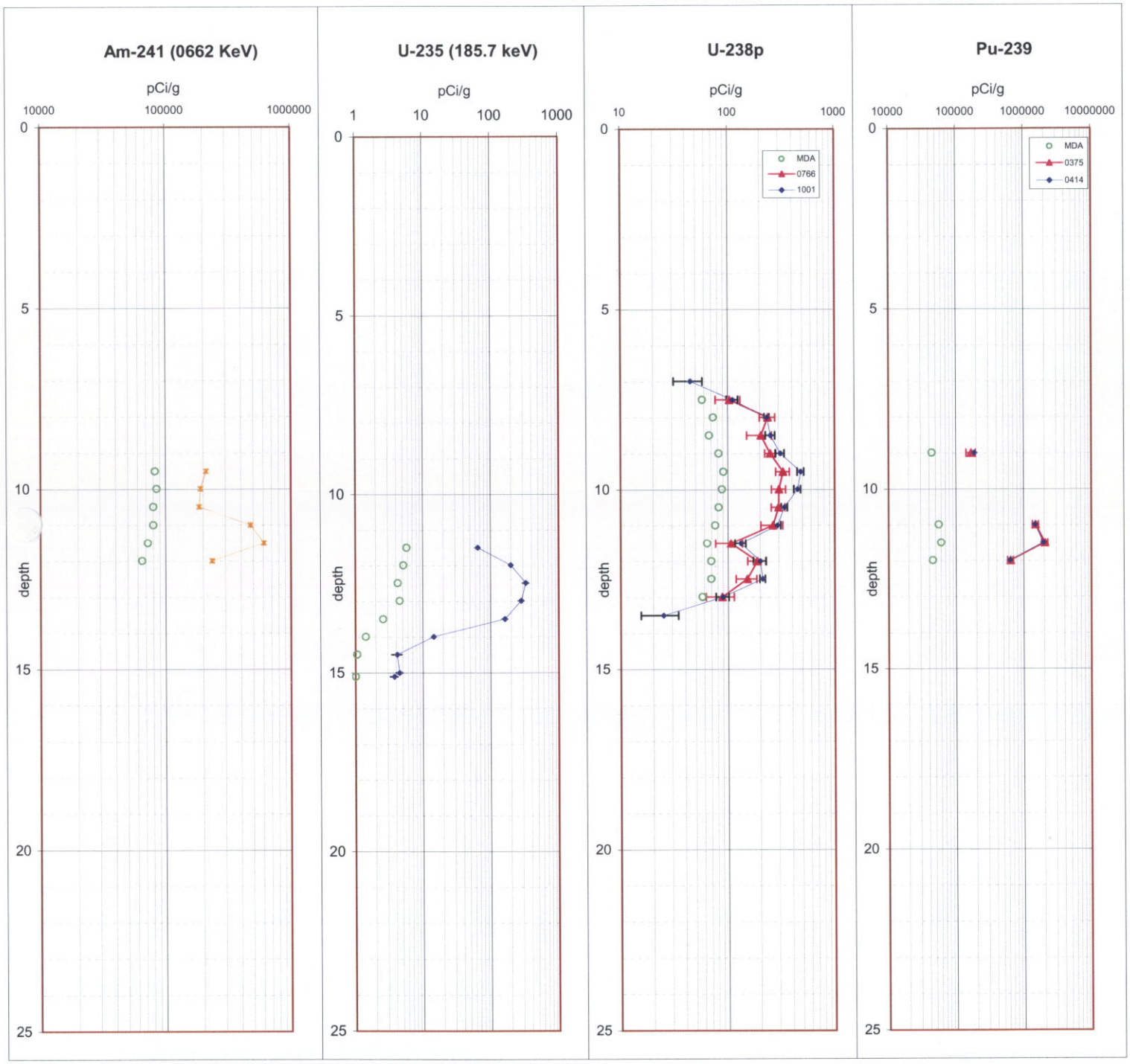
P2-PU-6

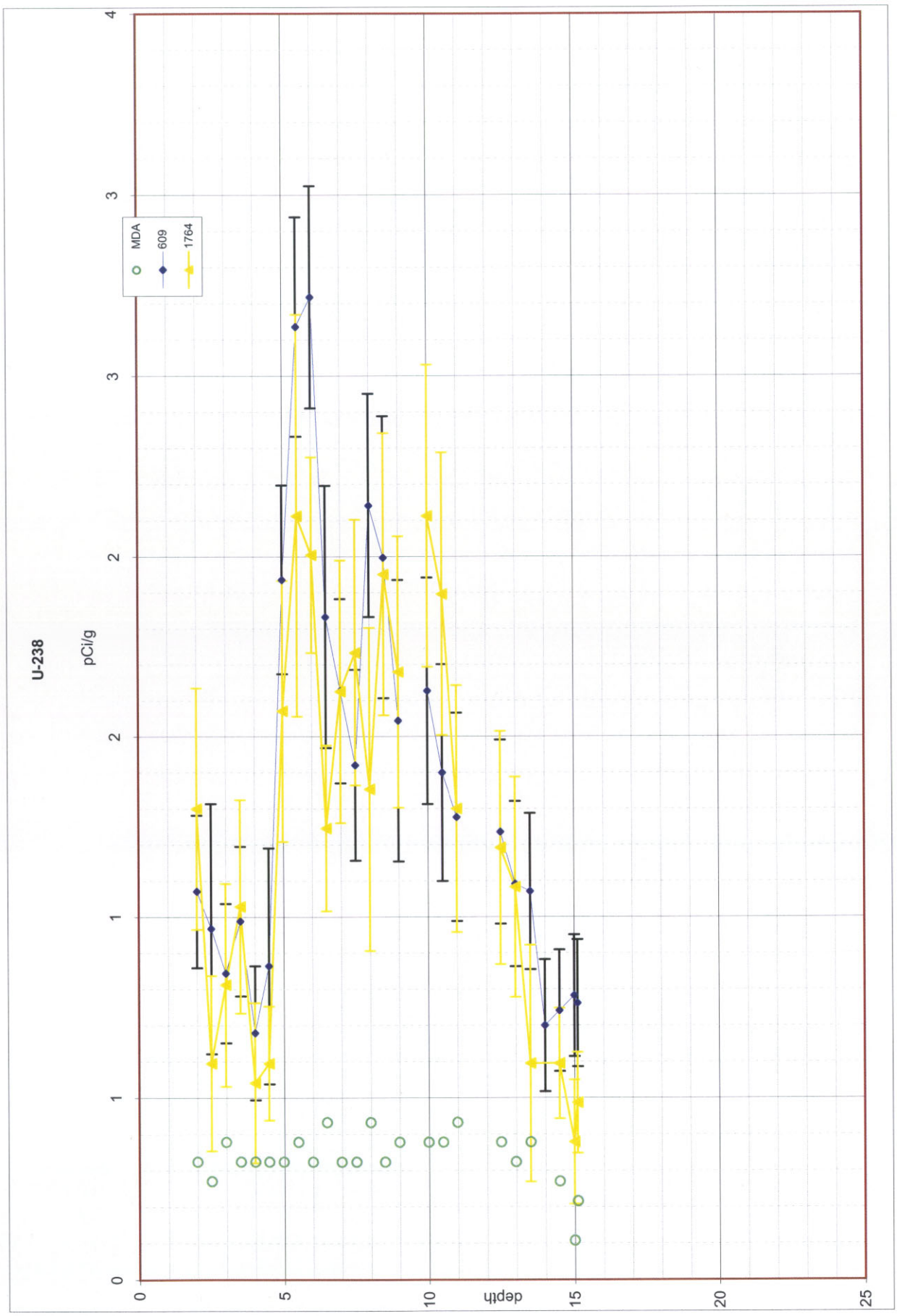

Gross Gamma, cps
0
1000
2000
3000
depth, ft
0
5
10
15
20
25


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

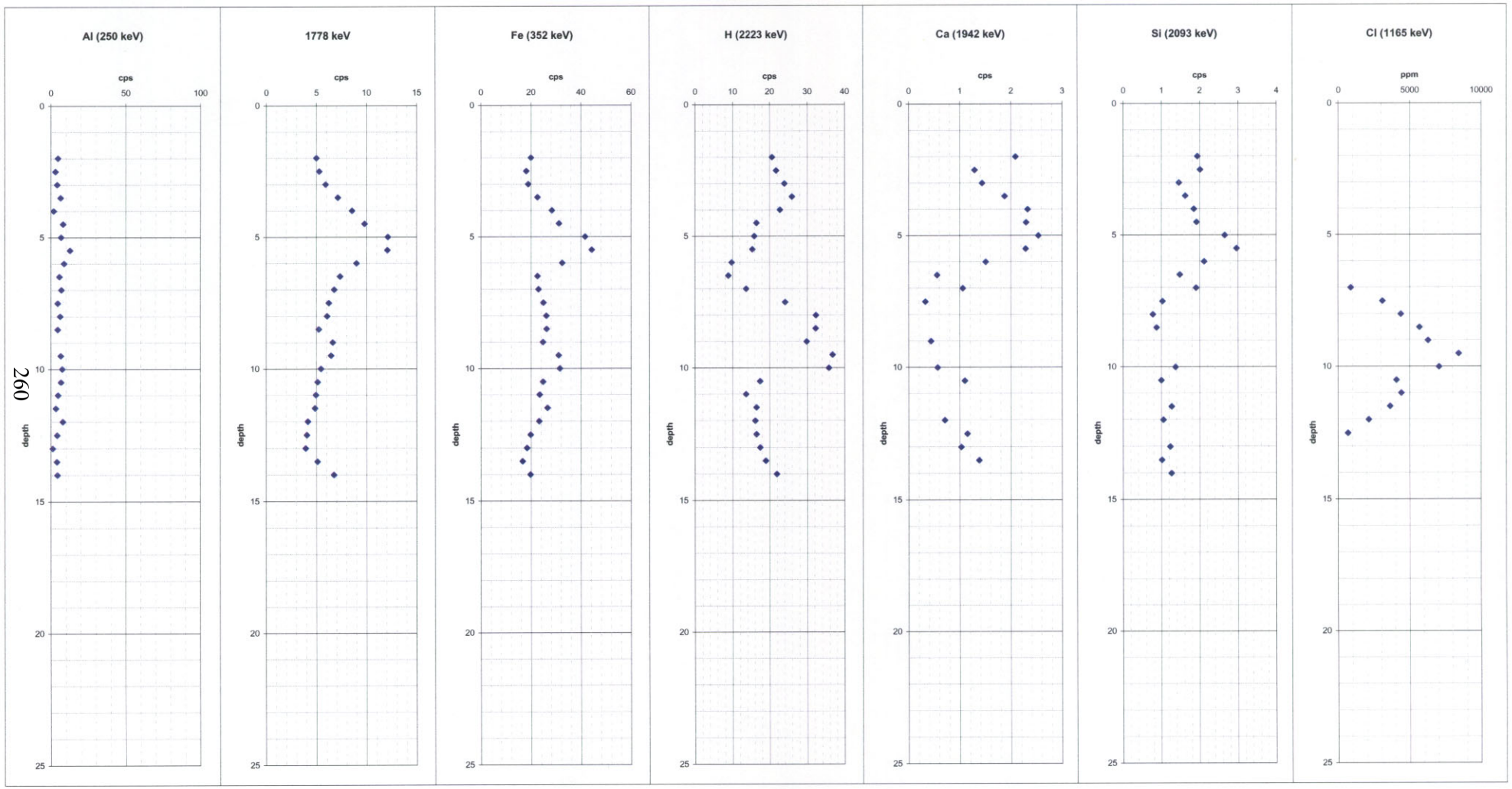

Dead Time, %
0
2
4
0
5
10
15
20
25

P2-PU-6


Am-241 (0662 KeV)
pCi/g
10000
100000
1000000
U-235 (185.7 keV)
pCi/g
1
10
100
1000
U-238p
pCi/g
10
100
1000
MDA
0766
1001
Pu-239
pCi/g
10000
100000
1000000
10000000
MDA
0375
0414
depth
0
5
10
15
20
25


U-238
pCi/g
depth
MDA
609
1764
0
1
2
3
4
0
5
10
15
20
25

P2-PU-6


Al (250 keV)
cps
0
50
100
1778 keV
cps
0
5
10
15
Fe (352 keV)
cps
0
20
40
60
H (2223 keV)
cps
0
10
20
30
40
Ca (1942 keV)
cps
0
1
2
3
Si (2093 keV)
cps
0
1
2
3
4
Cl (1165 keV)
ppm
0
5000
10000
depth
0
5
10
15
20
25