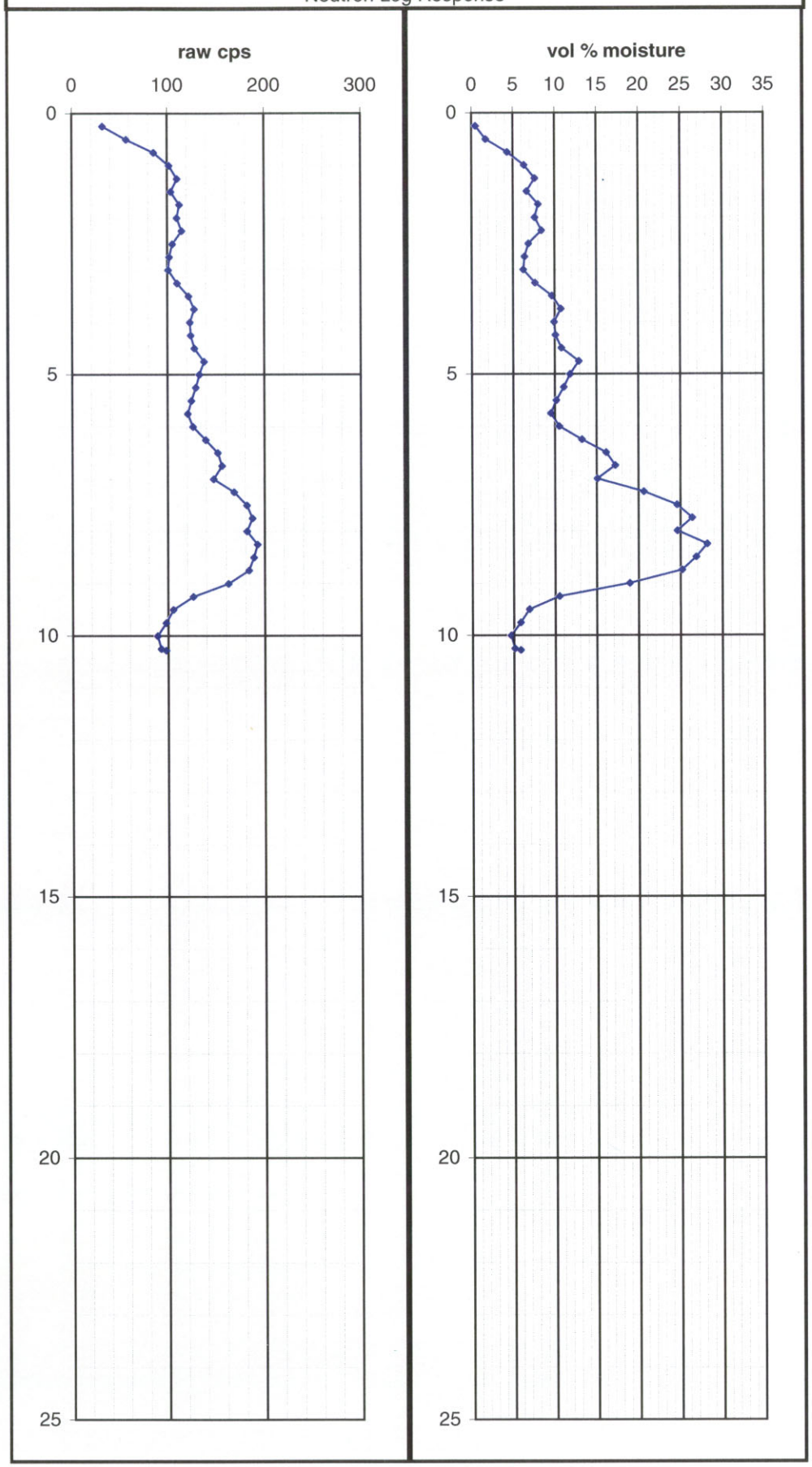
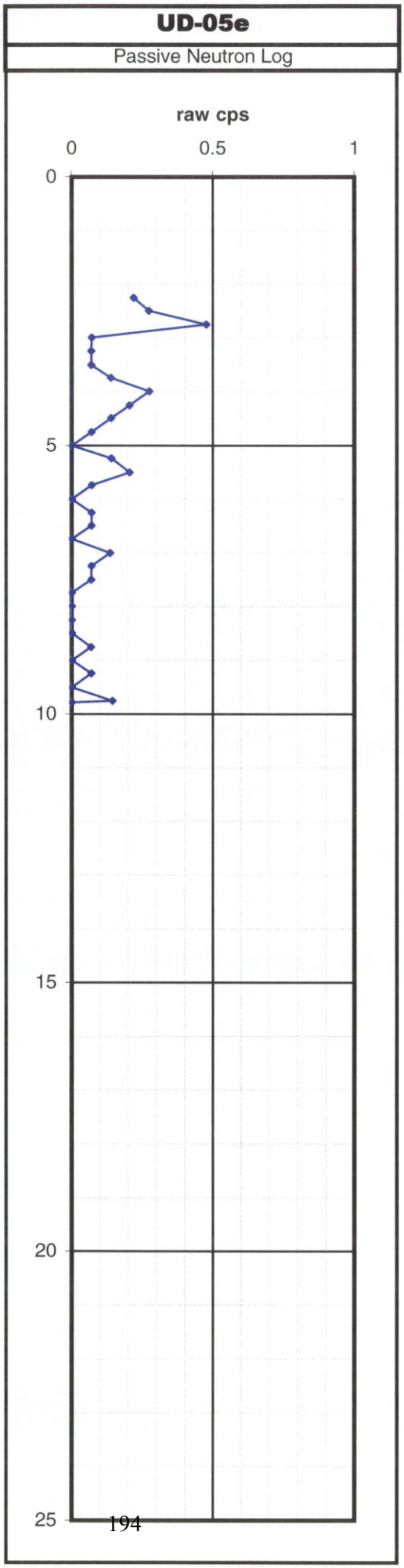
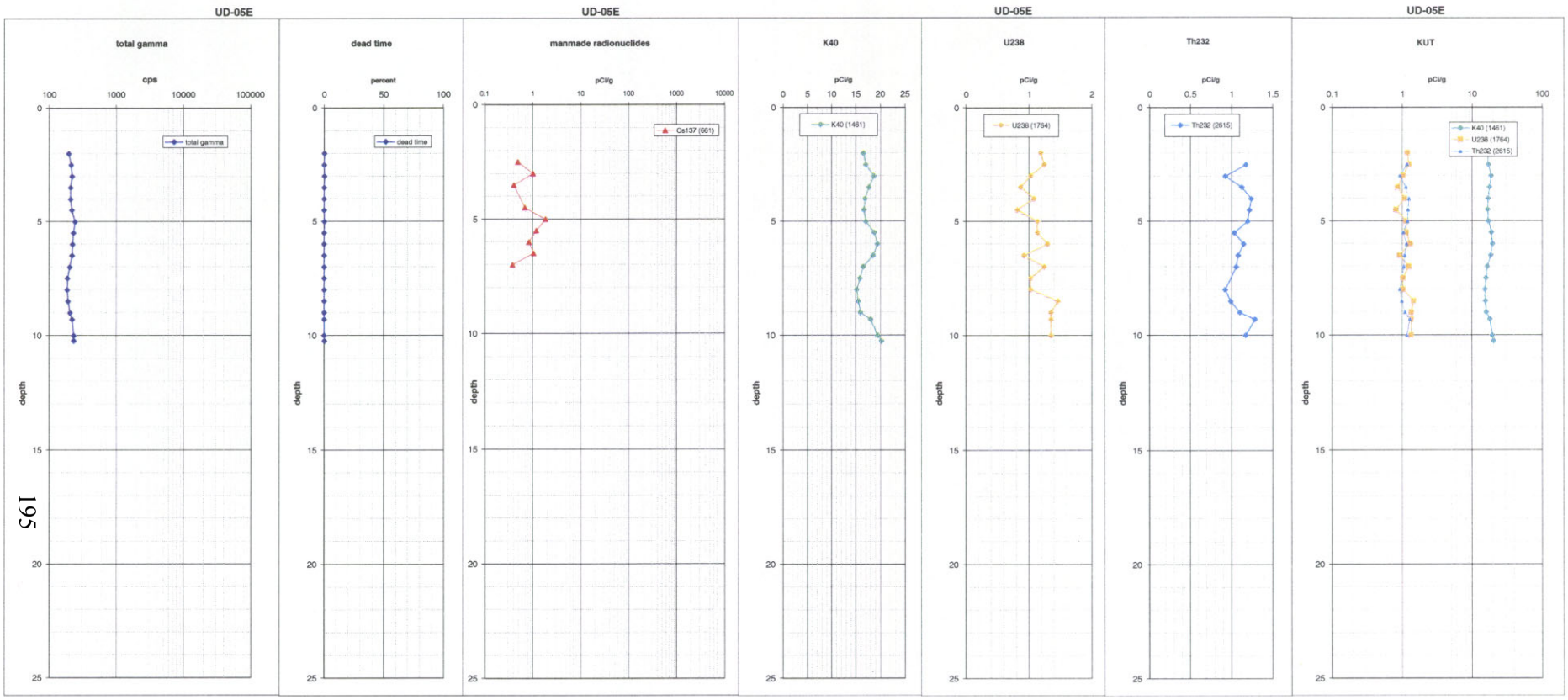
UD-05E

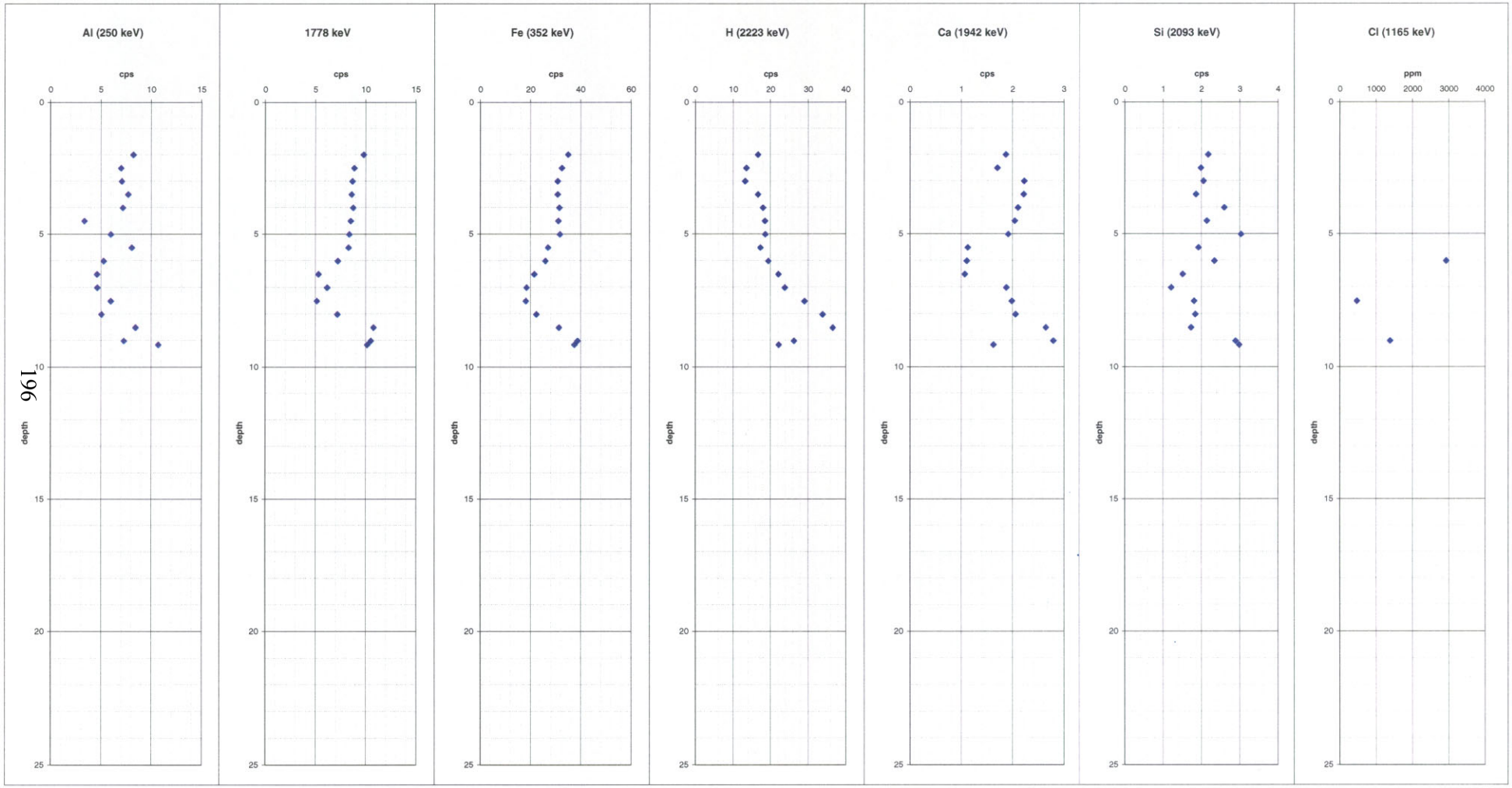
Neutron Log Response

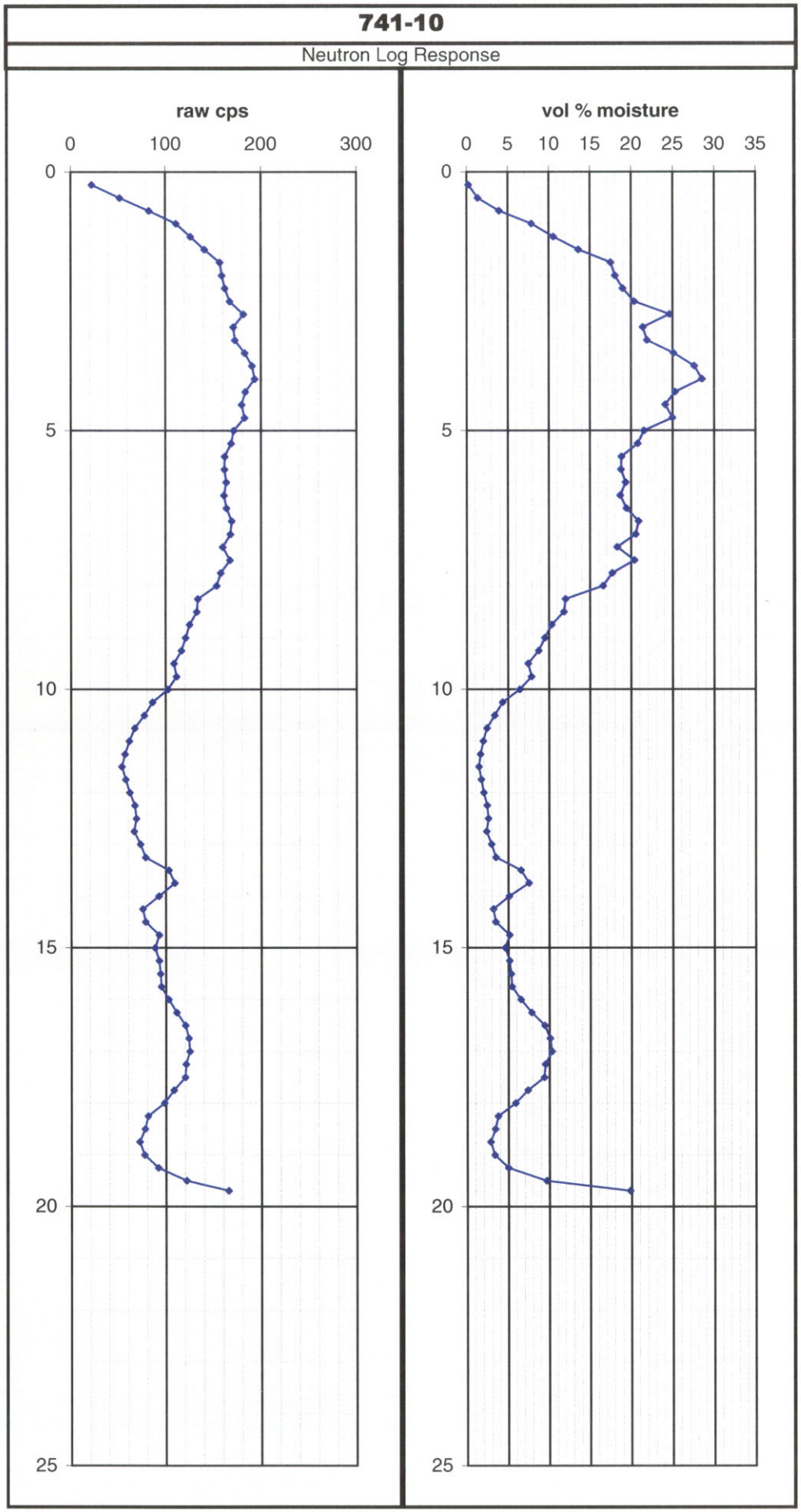


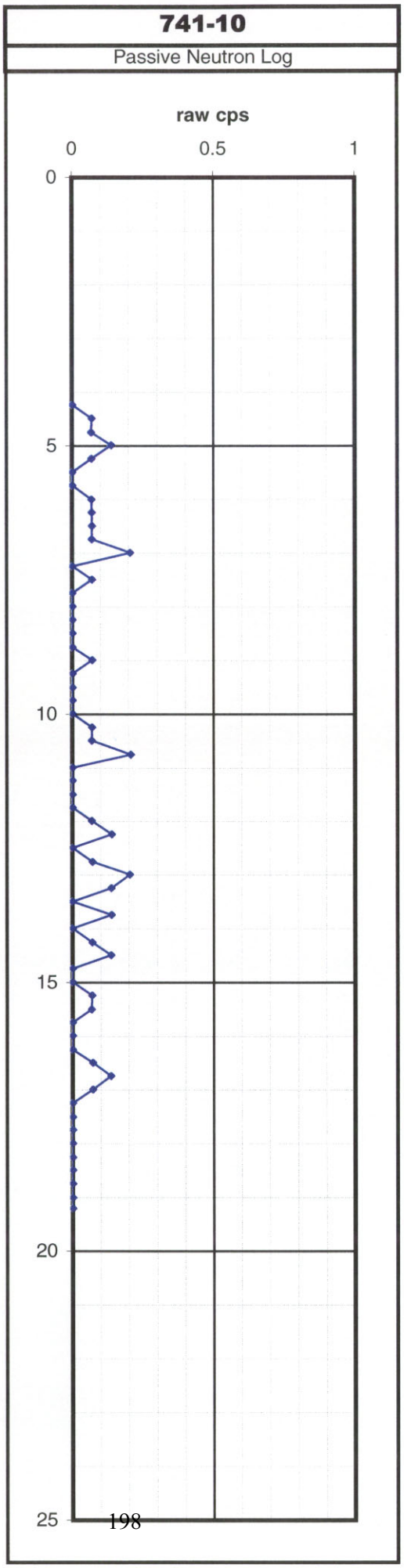

UD-05e
Passive Neutron Log
raw cps
0
0.5
1
0
5
10
15
20
25

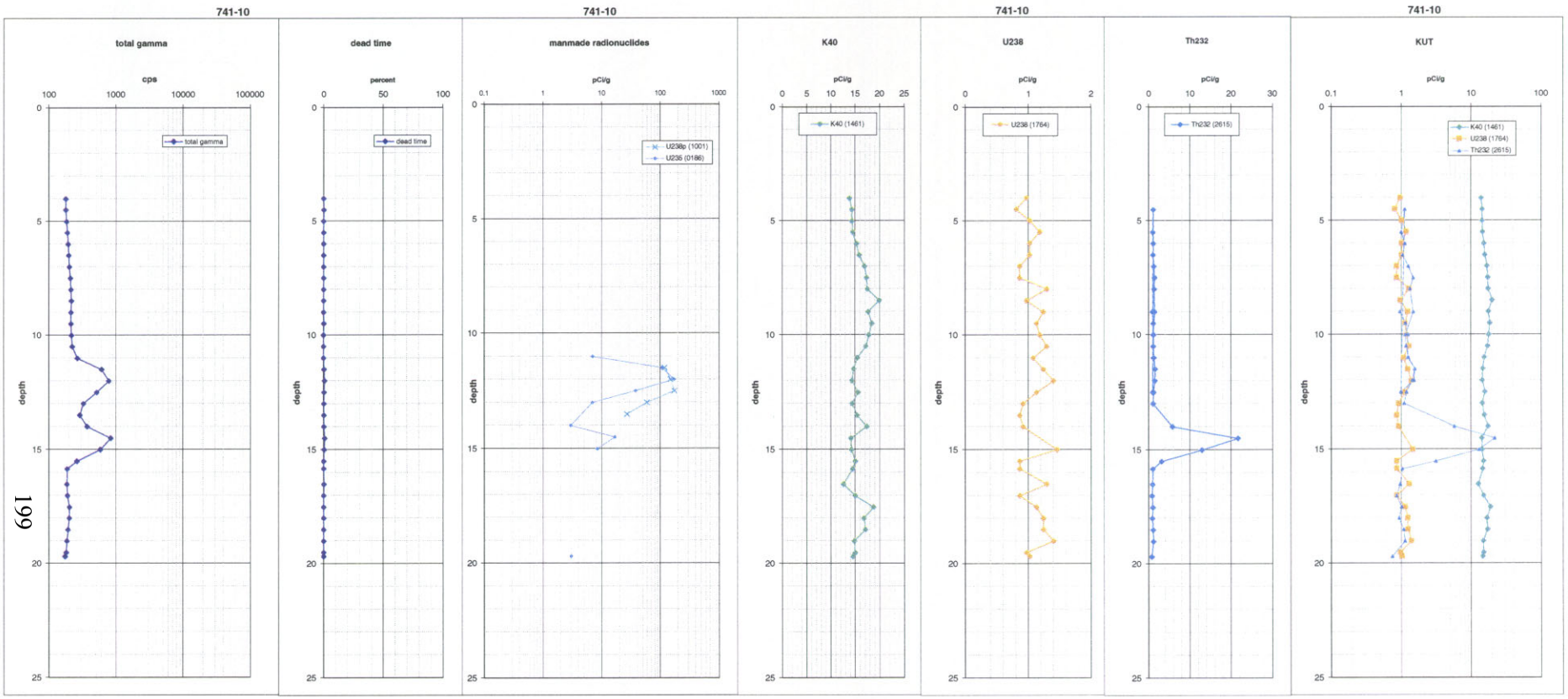

UD-05E
total gamma
cps
total gamma
dead time
percent
dead time
manmade radionuclides
pCi/g
Cs137 (661)
K40
pCi/g
K40 (1461)
U238
pCi/g
U238 (1764)
Th232
pCi/g
Th232 (2615)
KUT
pCi/g
K40 (1461)
U238 (1764)
Th232 (2615)
depth

UD-05E

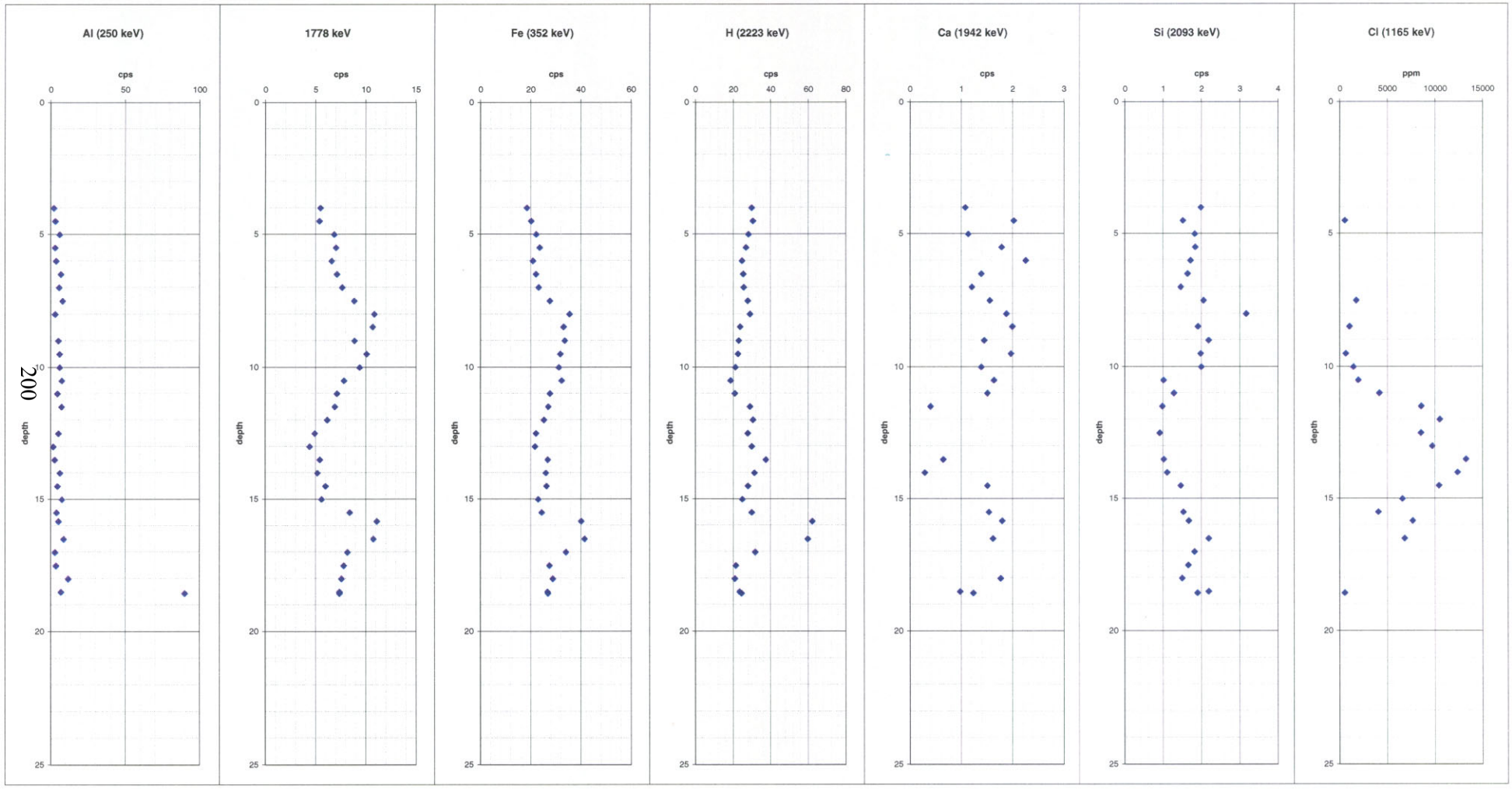

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

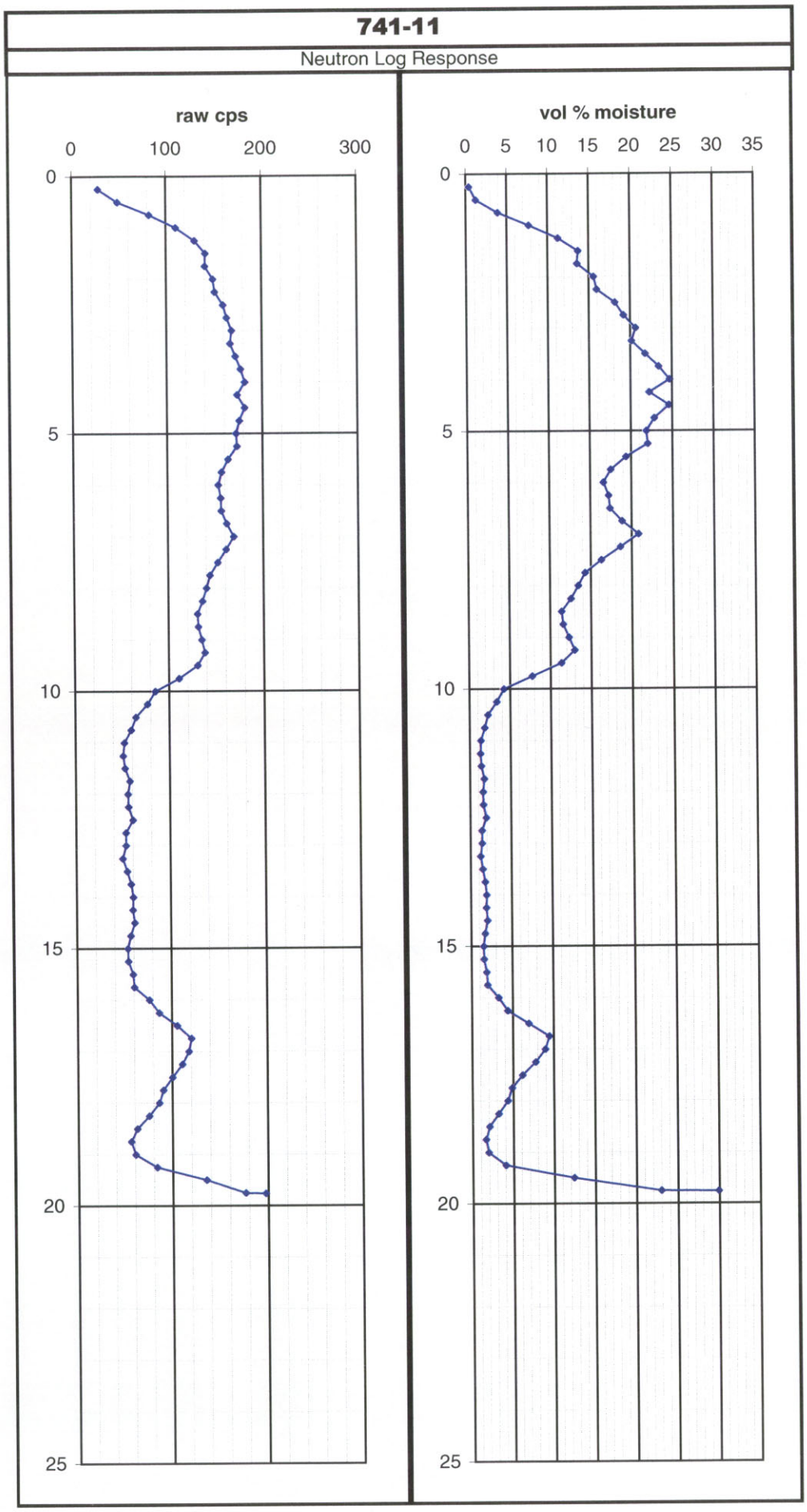

741-10
Neutron Log Response
raw cps
0
100
200
300
0
5
10
15
20
25
vol % moisture
0
5
10
15
20
25
30
35
0
5
10
15
20
25

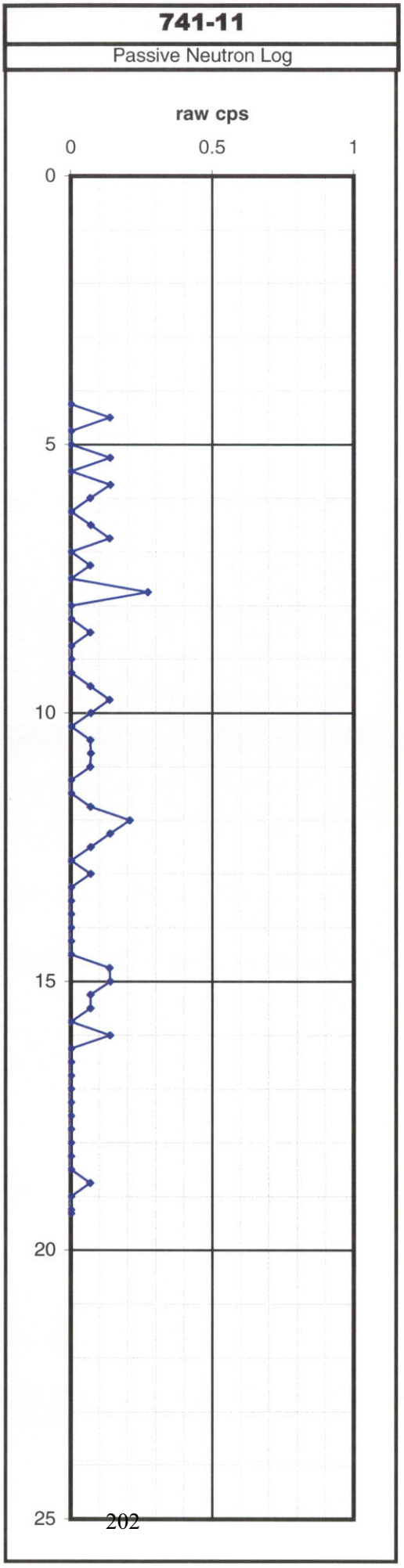

741-10
Passive Neutron Log
raw cps
0
0.5
1
0
5
10
15
20
25

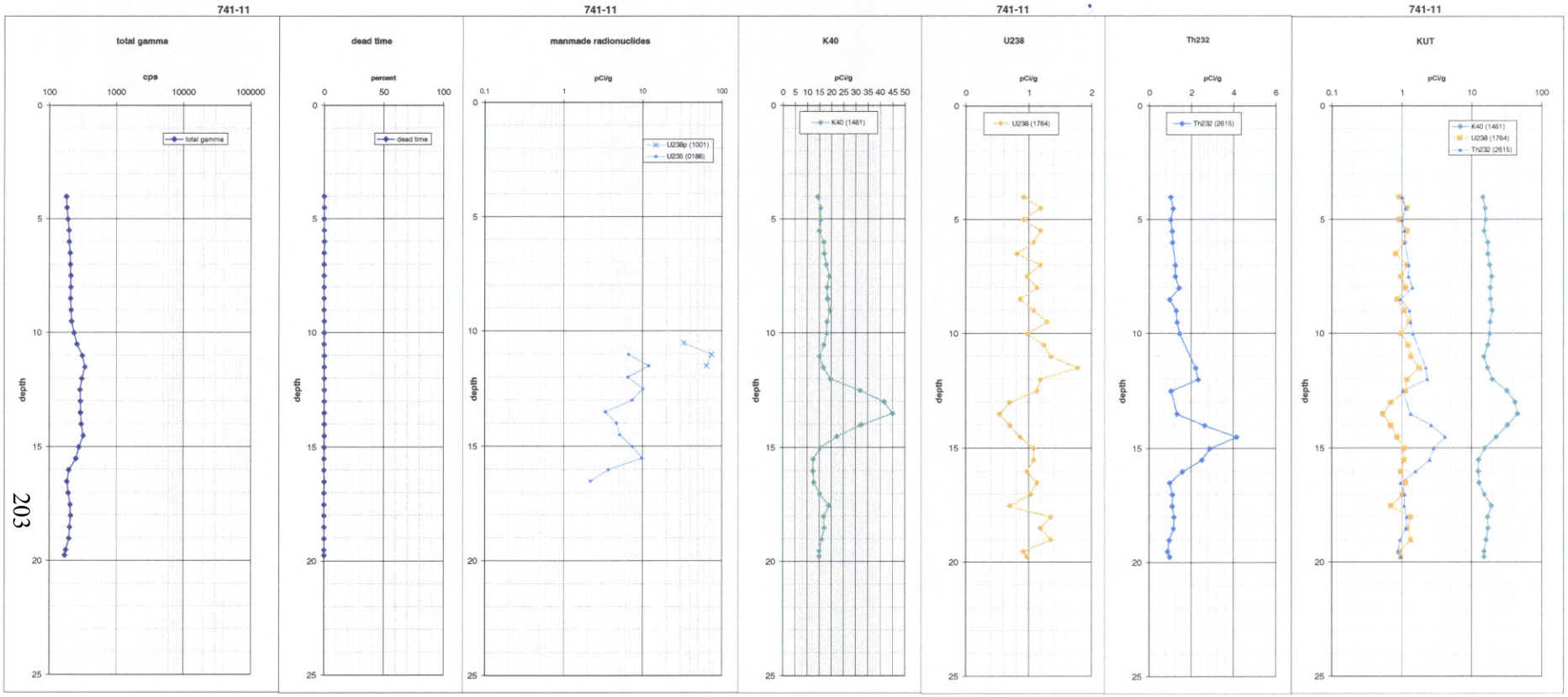

741-10
total gamma
cps
100
1000
10000
100000
total gamma
depth
741-10
dead time
percent
0
50
100
dead time
depth
741-10
manmade radionuclides
pCi/g
0.1
1
10
100
1000
U238p (1001)
U235 (0186)
depth
741-10
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
741-10
U238
pCi/g
0
1
2
U238 (1764)
depth
741-10
Th232
pCi/g
0
10
20
30
Th232 (2615)
depth
741-10
KUT
pCi/g
0.1
1
10
100
K40 (1461)
U238 (1764)
Th232 (2615)
depth

741-10

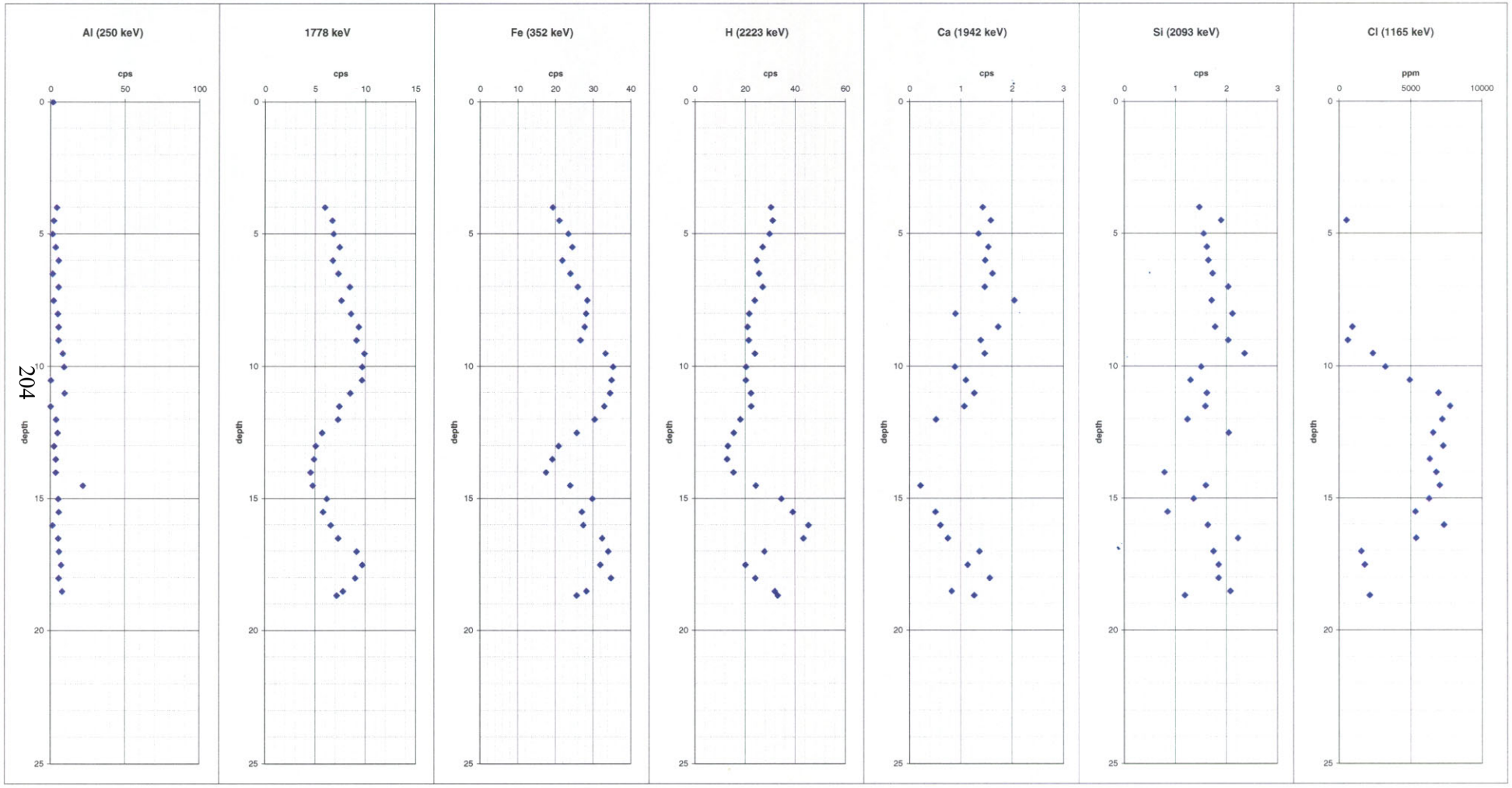

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

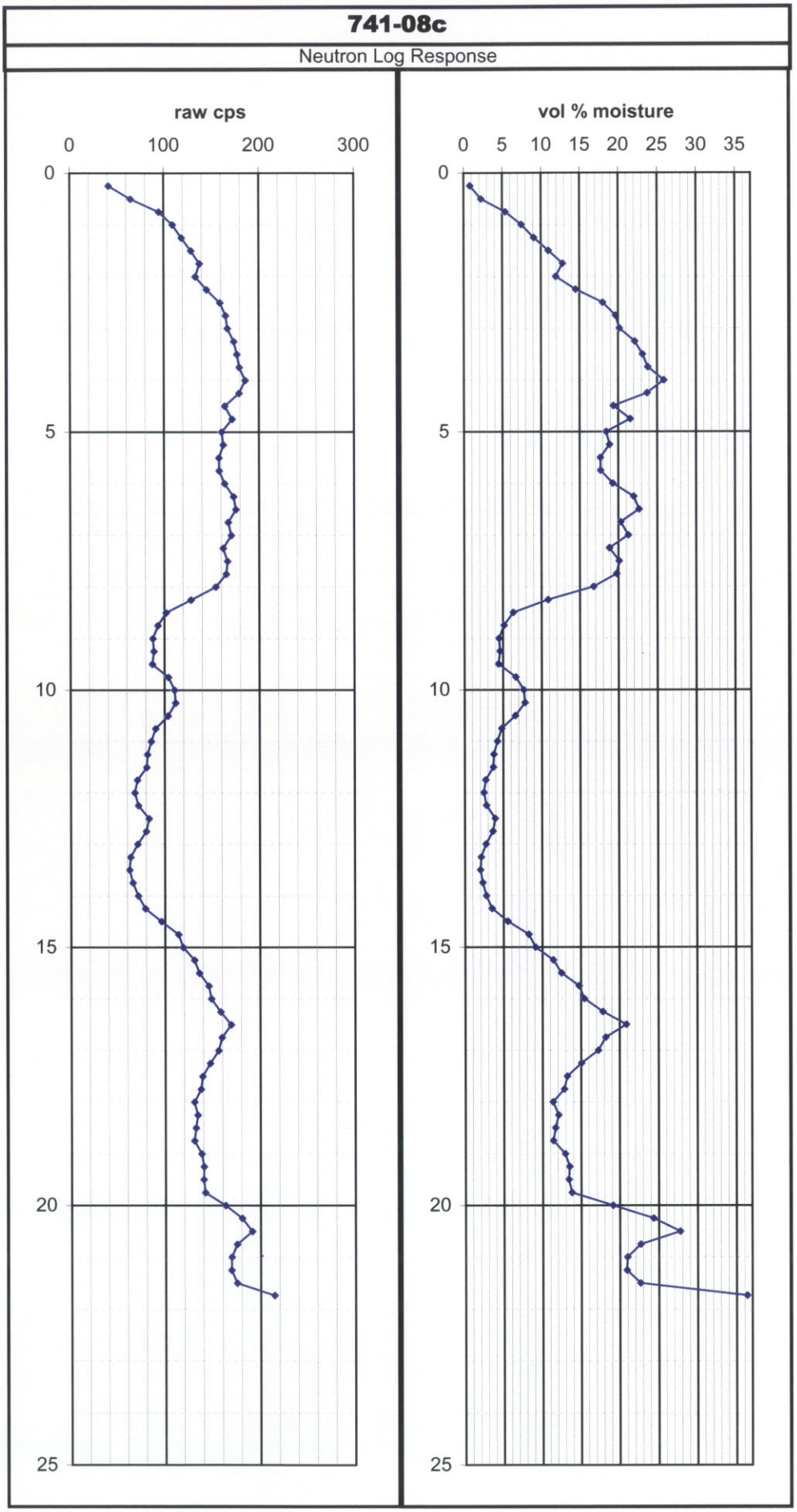

741-11
Neutron Log Response
raw cps
0
100
200
300
0
5
10
15
20
25
vol % moisture
0
5
10
15
20
25
30
35
0
5
10
15
20
25

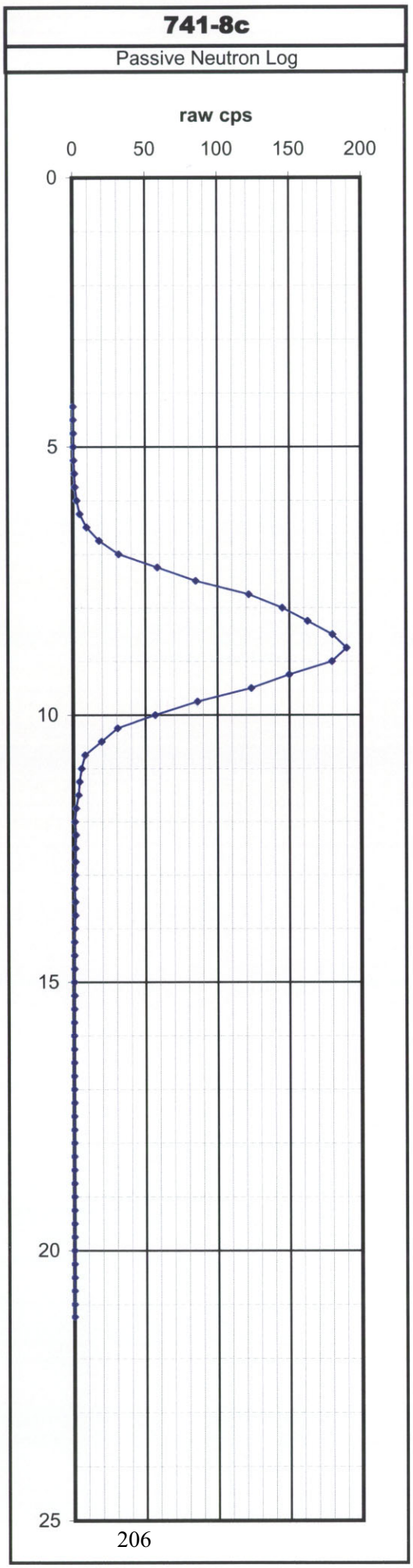

741-11
Passive Neutron Log
raw cps
0
0.5
1
0
5
10
15
20
25

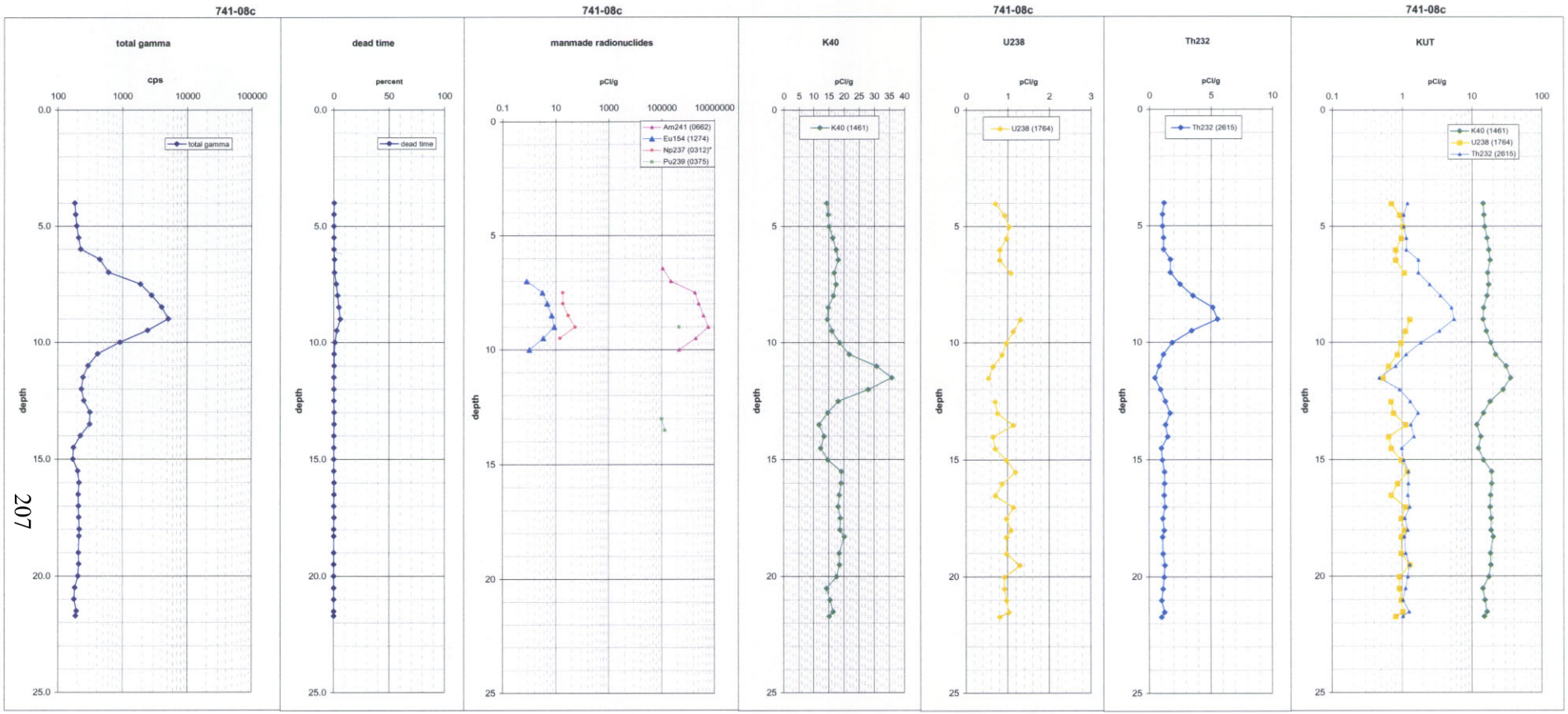

741-11
total gamma
cps
total gamma
depth
741-11
dead time
percent
dead time
depth
741-11
manmade radionuclides
pCi/g
U238p (1001)
U235 (0186)
depth
741-11
K40
pCi/g
K40 (1461)
depth
741-11
U238
pCi/g
U238 (1764)
depth
741-11
Th232
pCi/g
Th232 (2615)
depth
741-11
KUT
pCi/g
K40 (1461)
U238 (1764)
Th232 (2615)
depth

741-11

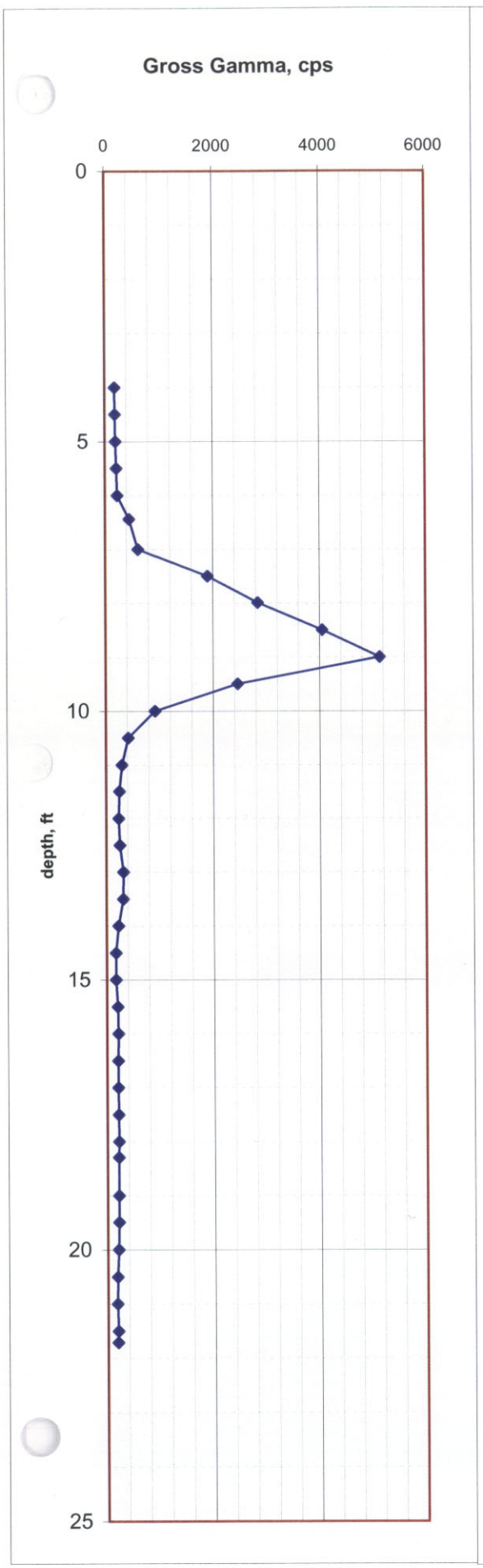

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

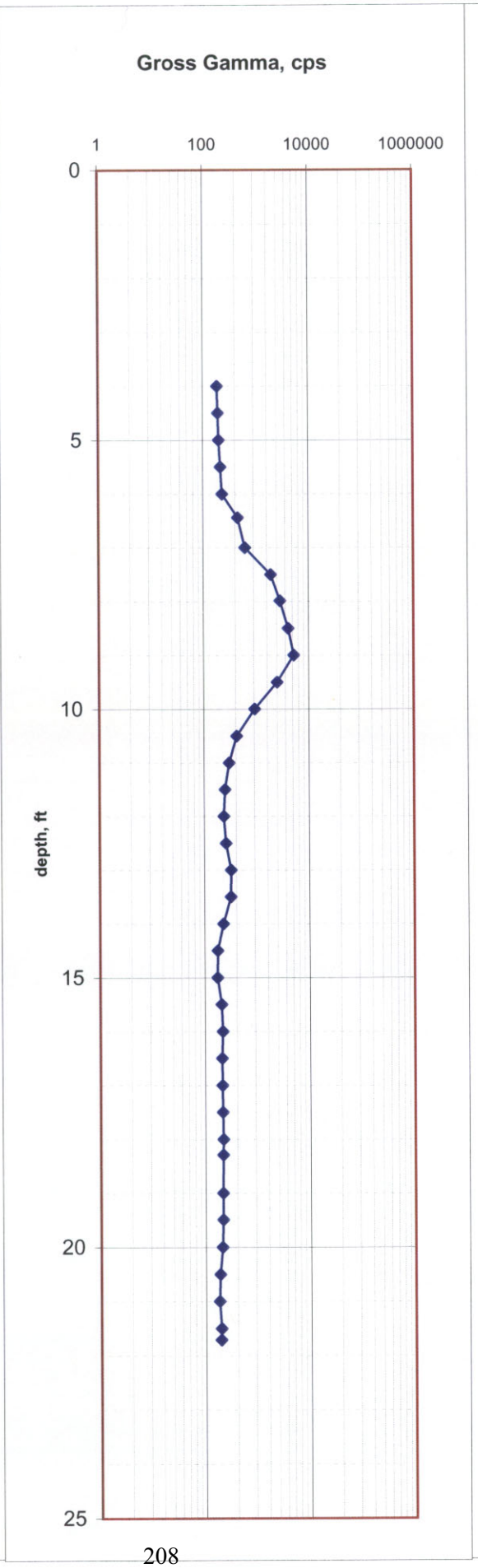

741-08c
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0
5
10
15
20
25
30
35
0
5
10
15
20
25

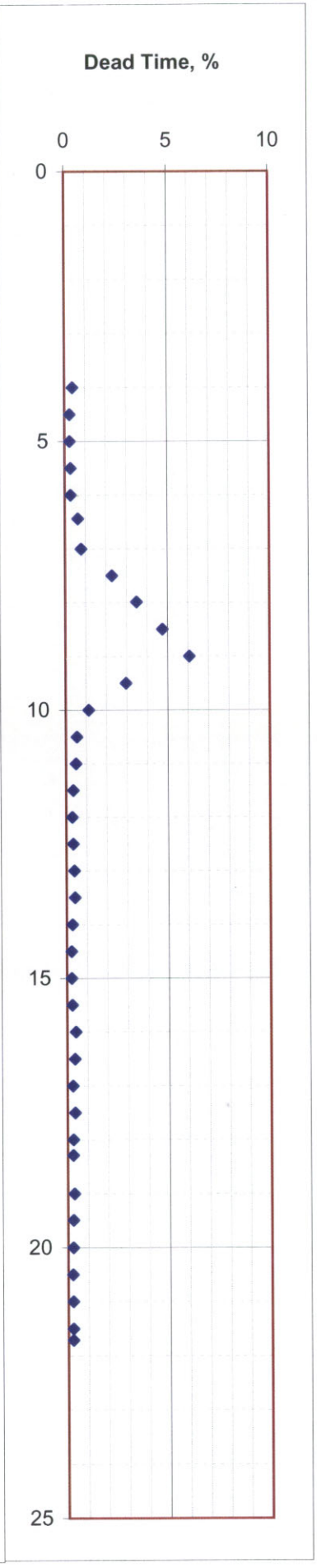

741-8c
Passive Neutron Log
raw cps
0
50
100
150
200
0
5
10
15
20
25


741-08c
total gamma
cps
total gamma
depth
741-08c
dead time
percent
dead time
depth
741-08c
manmade radionuclides
pCi/g
Am241 (0662)
Eu154 (1274)
Np237 (0312)*
Pu239 (0375)
depth
741-08c
K40
pCi/g
K40 (1461)
depth
741-08c
U238
pCi/g
U238 (1764)
depth
741-08c
Th232
pCi/g
Th232 (2615)
depth
741-08c
KUT
pCi/g
K40 (1461)
U238 (1764)
Th232 (2615)
depth

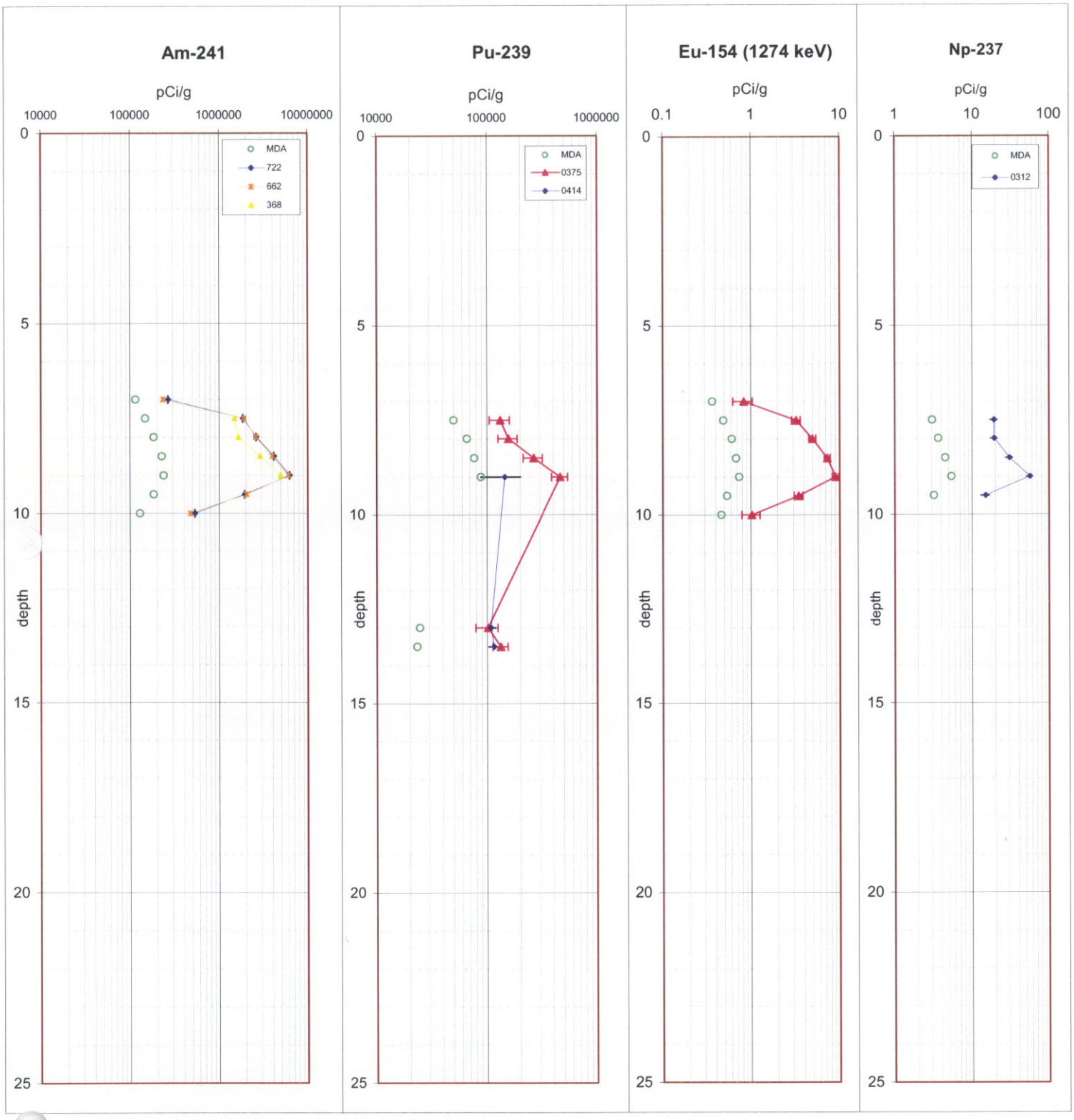
741-08c


Gross Gamma, cps
0
2000
4000
6000
depth, ft
0
5
10
15
20
25

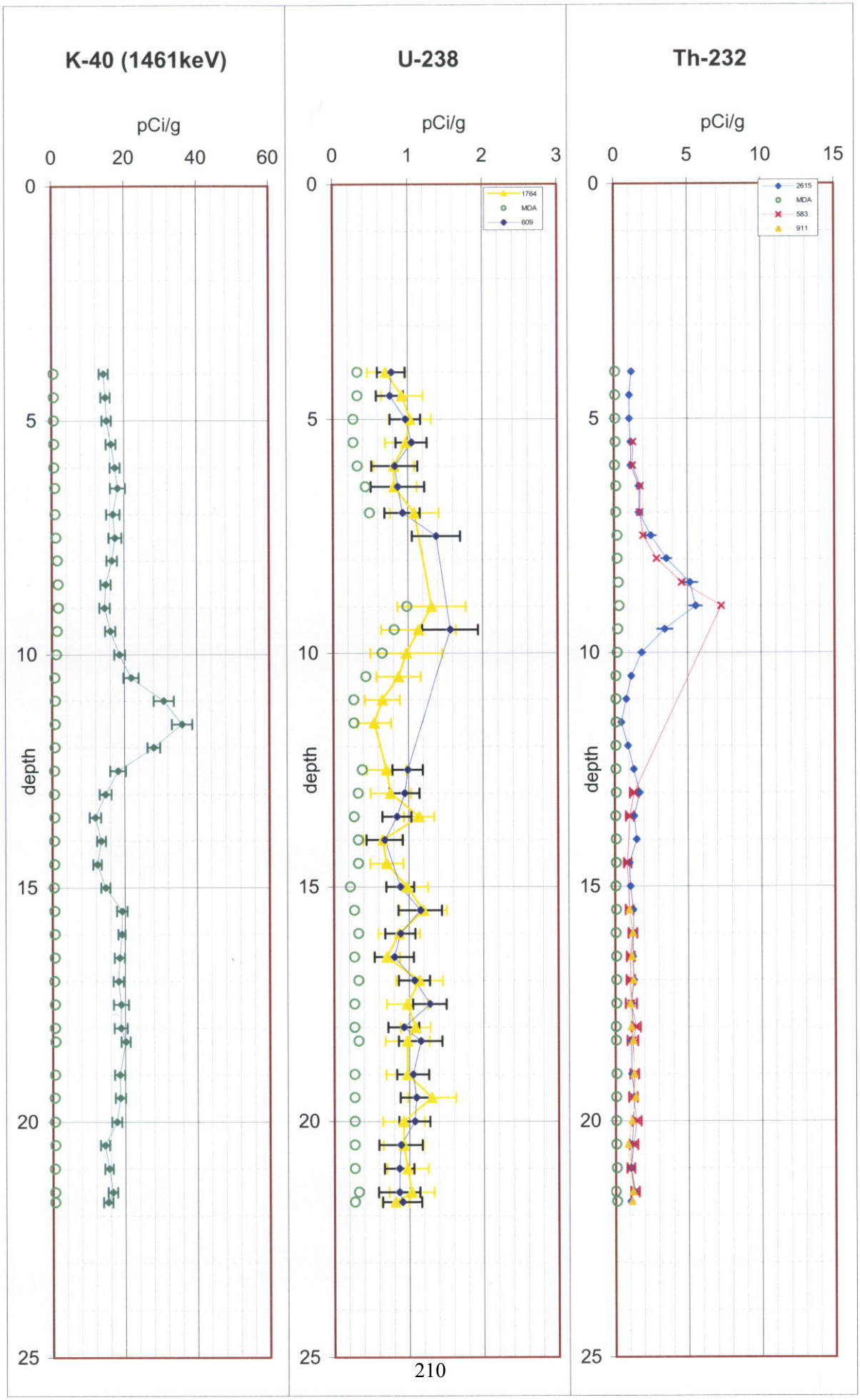

Gross Gamma, cps
1
100
10000
1000000
depth, ft
0
5
10
15
20
25


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

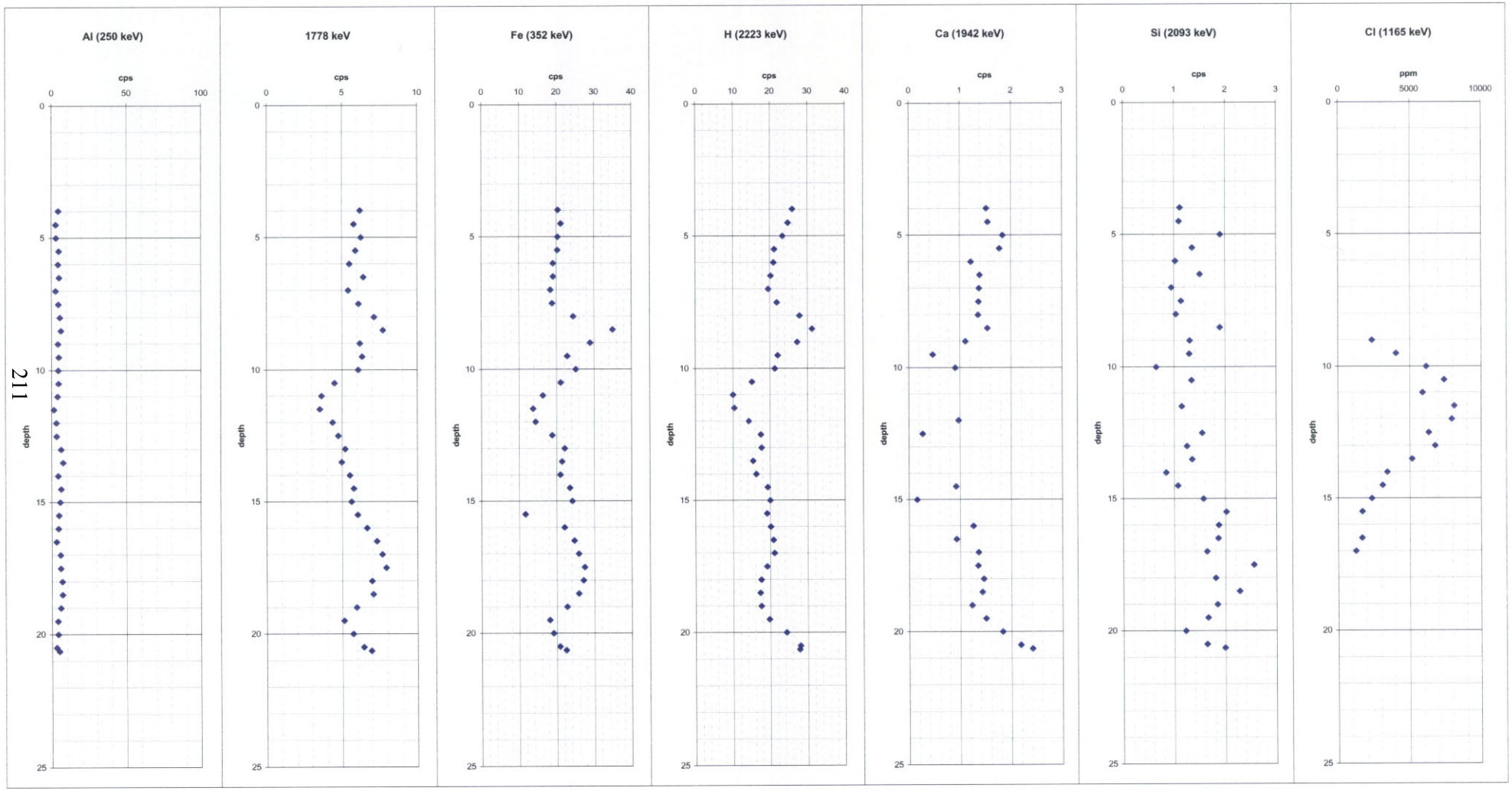
741-08c

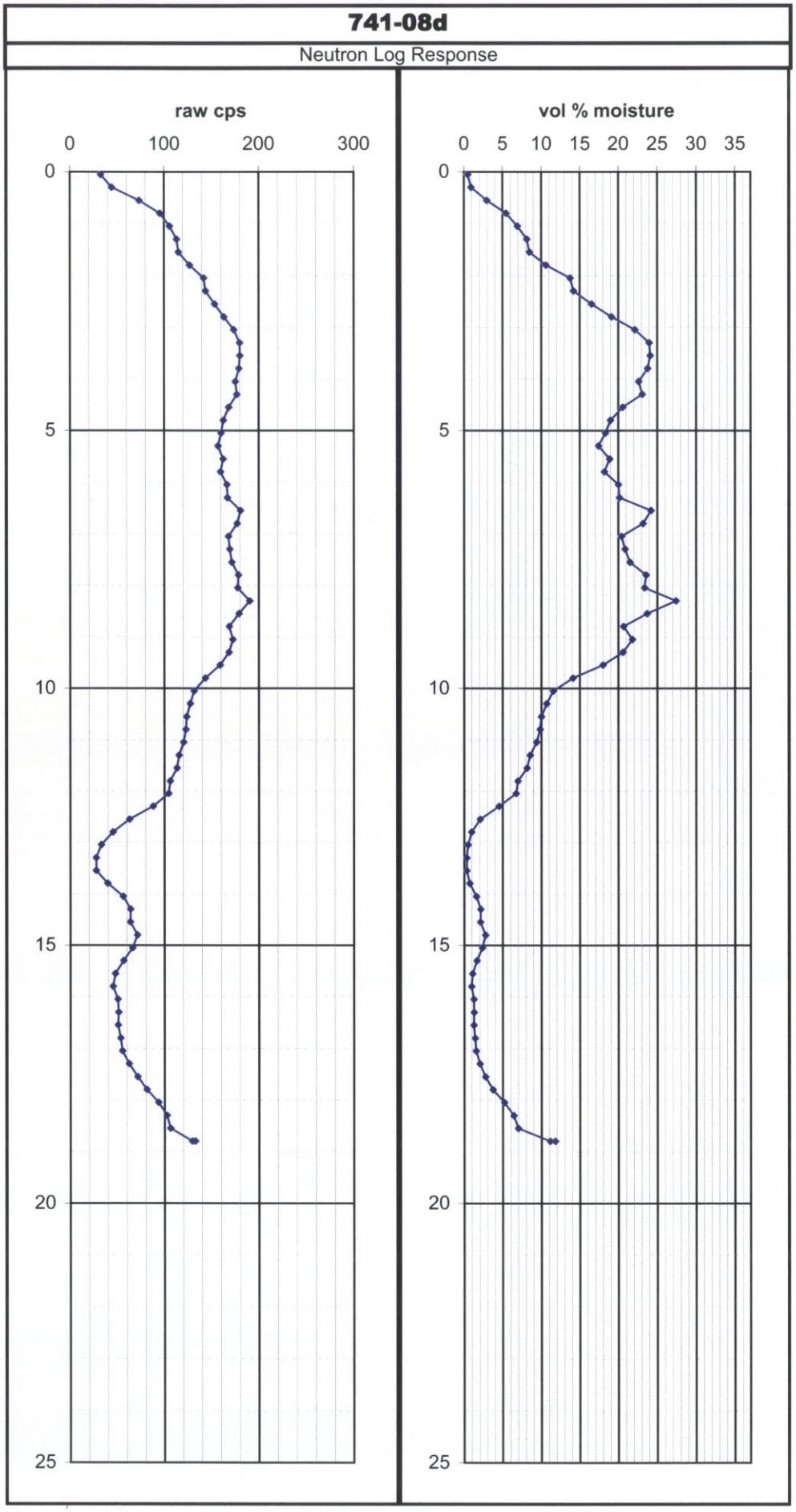

Am-241
pCi/g
10000
100000
1000000
10000000
MDA
722
662
368
Pu-239
pCi/g
10000
100000
1000000
MDA
0375
0414
Eu-154 (1274 keV)
pCi/g
0.1
1
10
Np-237
pCi/g
1
10
100
MDA
0312
depth
0
5
10
15
20
25

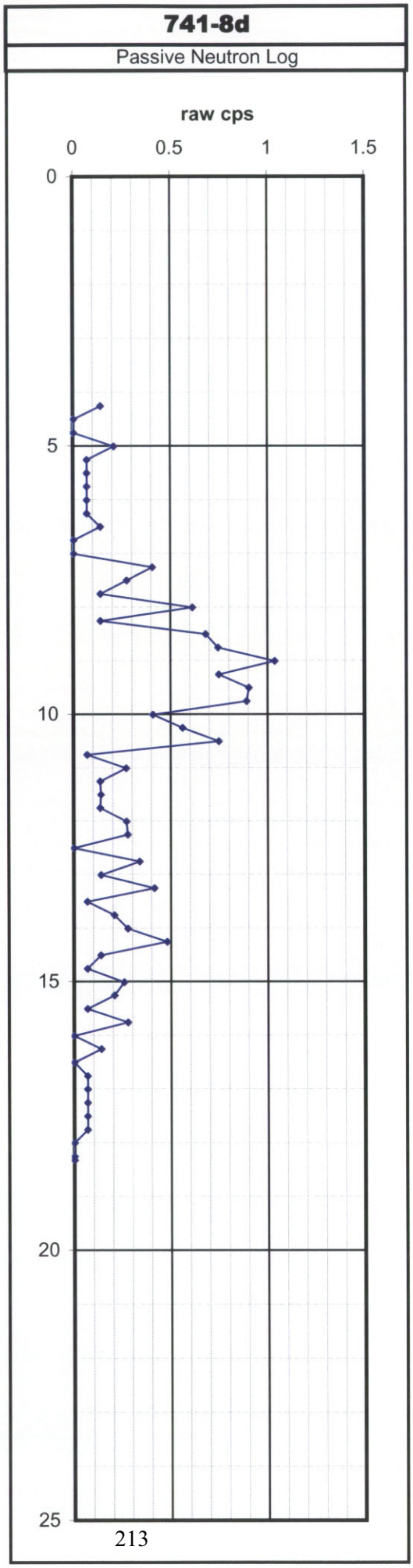
741-08c



741-8c


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


741-08d
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0
5
10
15
20
25
30
35
0
5
10
15
20
25


741-8d
Passive Neutron Log
raw cps
0
0.5
1
1.5
0
5
10
15
20
25