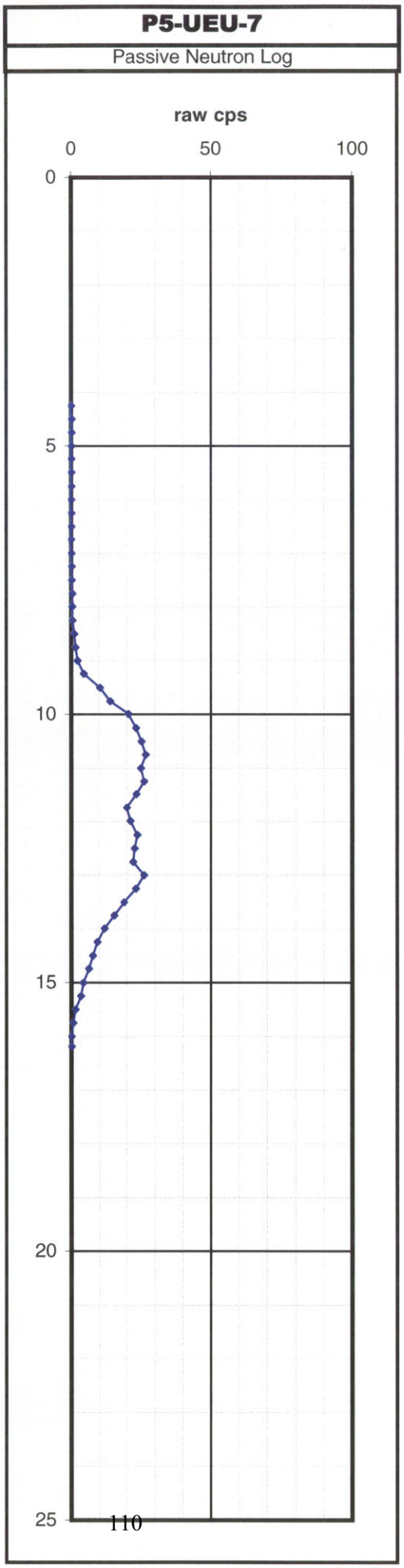
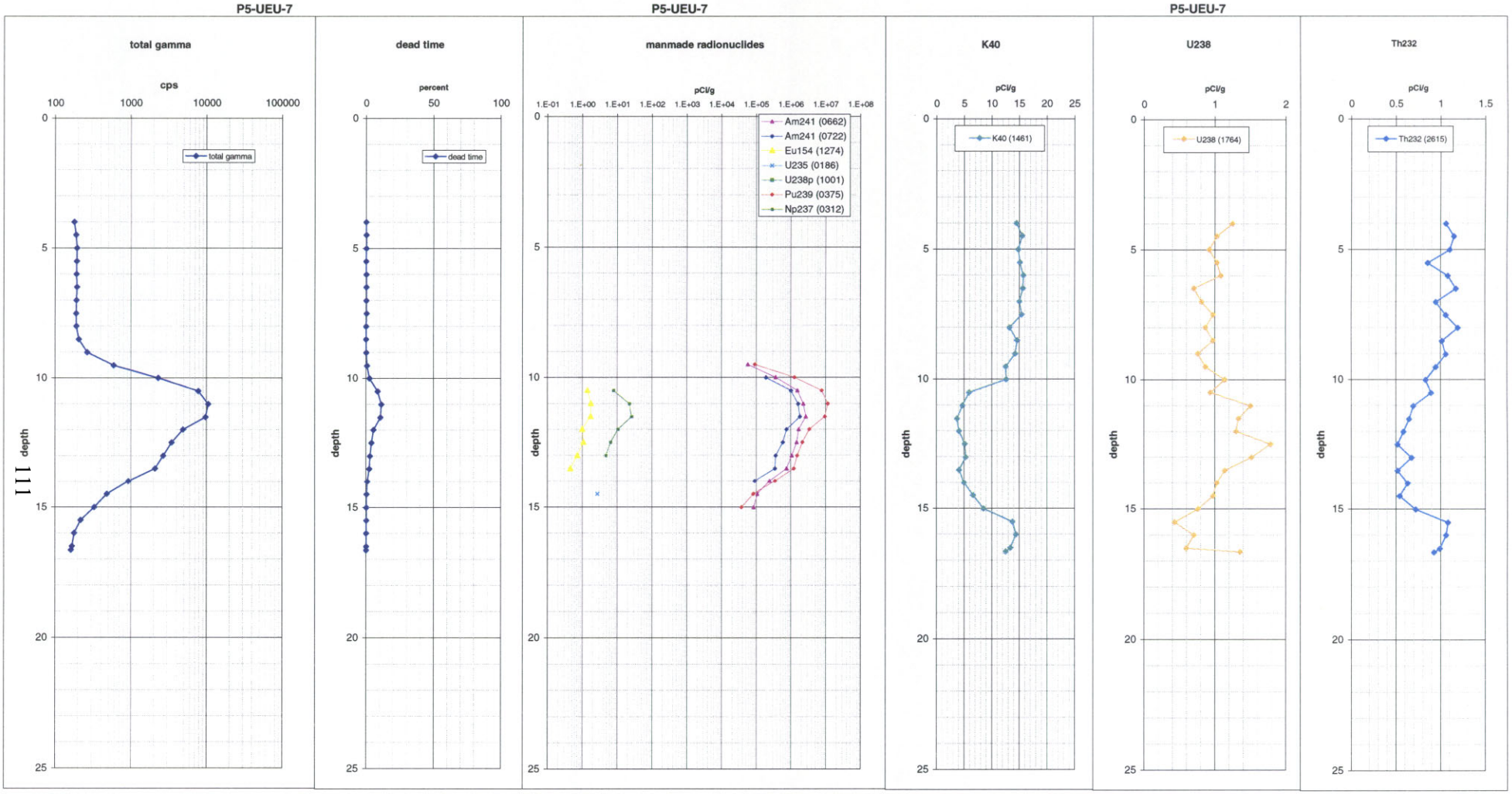
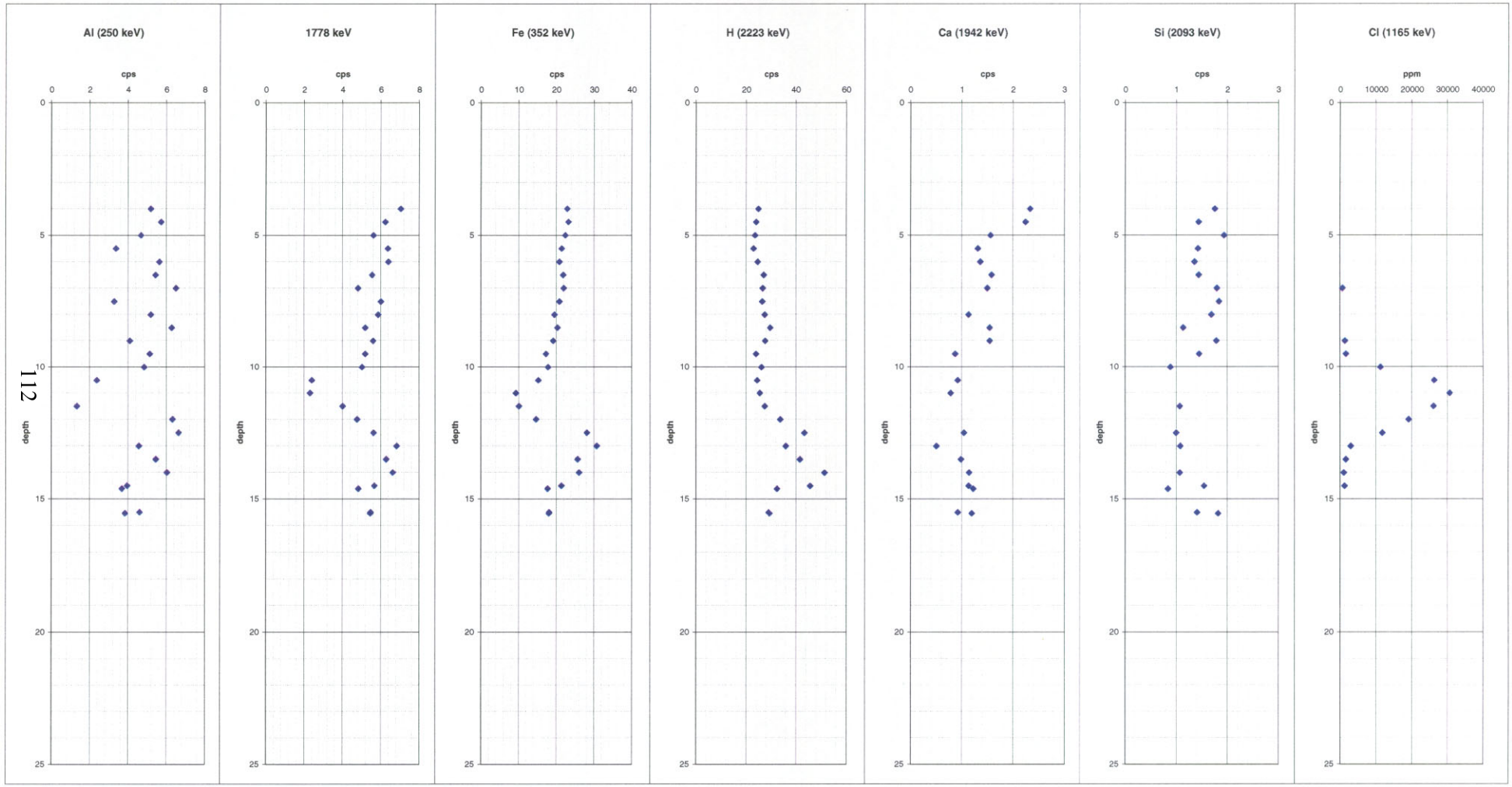
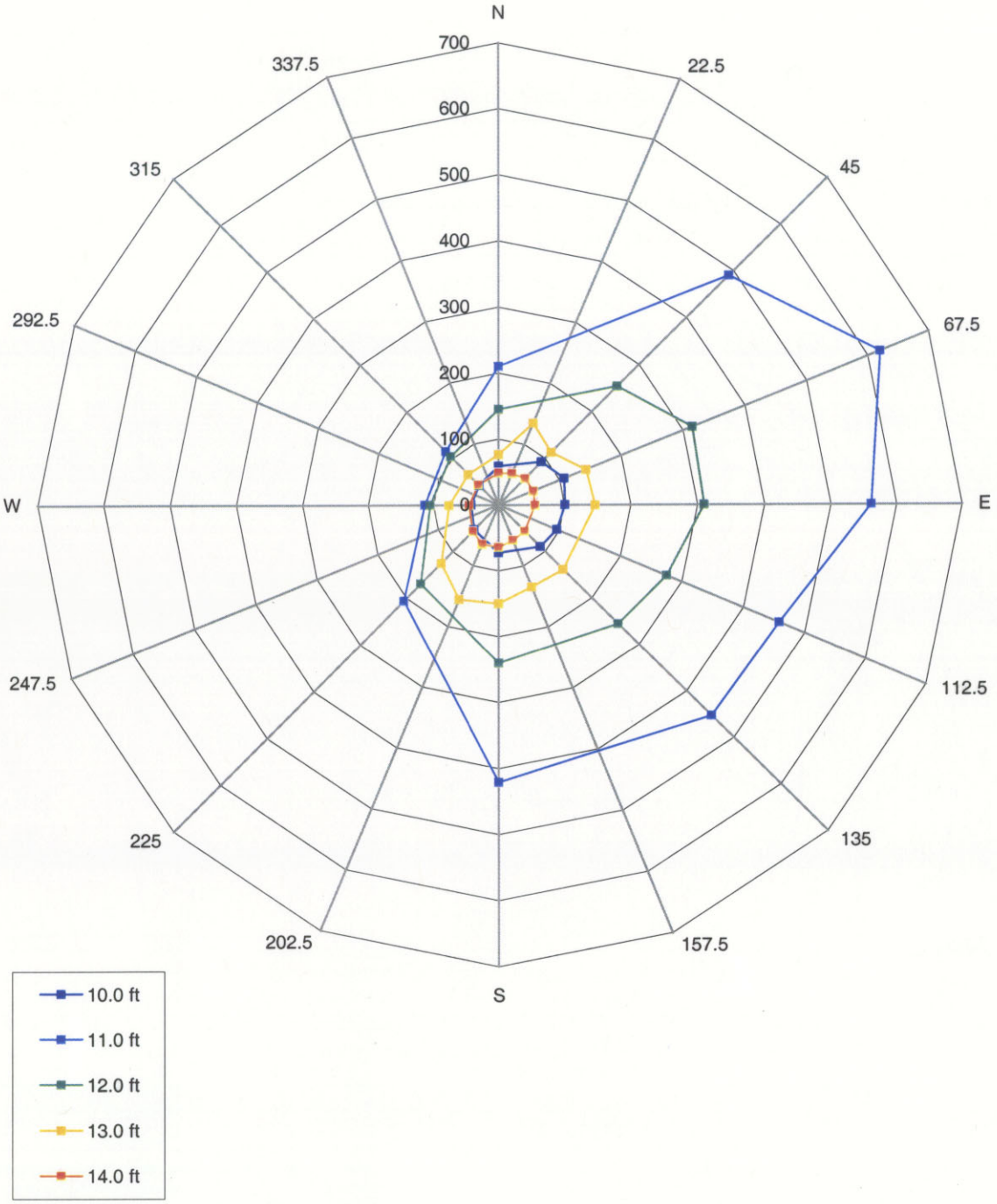

P5-UEU-7
Passive Neutron Log
raw cps
0
50
100
0
5
10
15
20
25

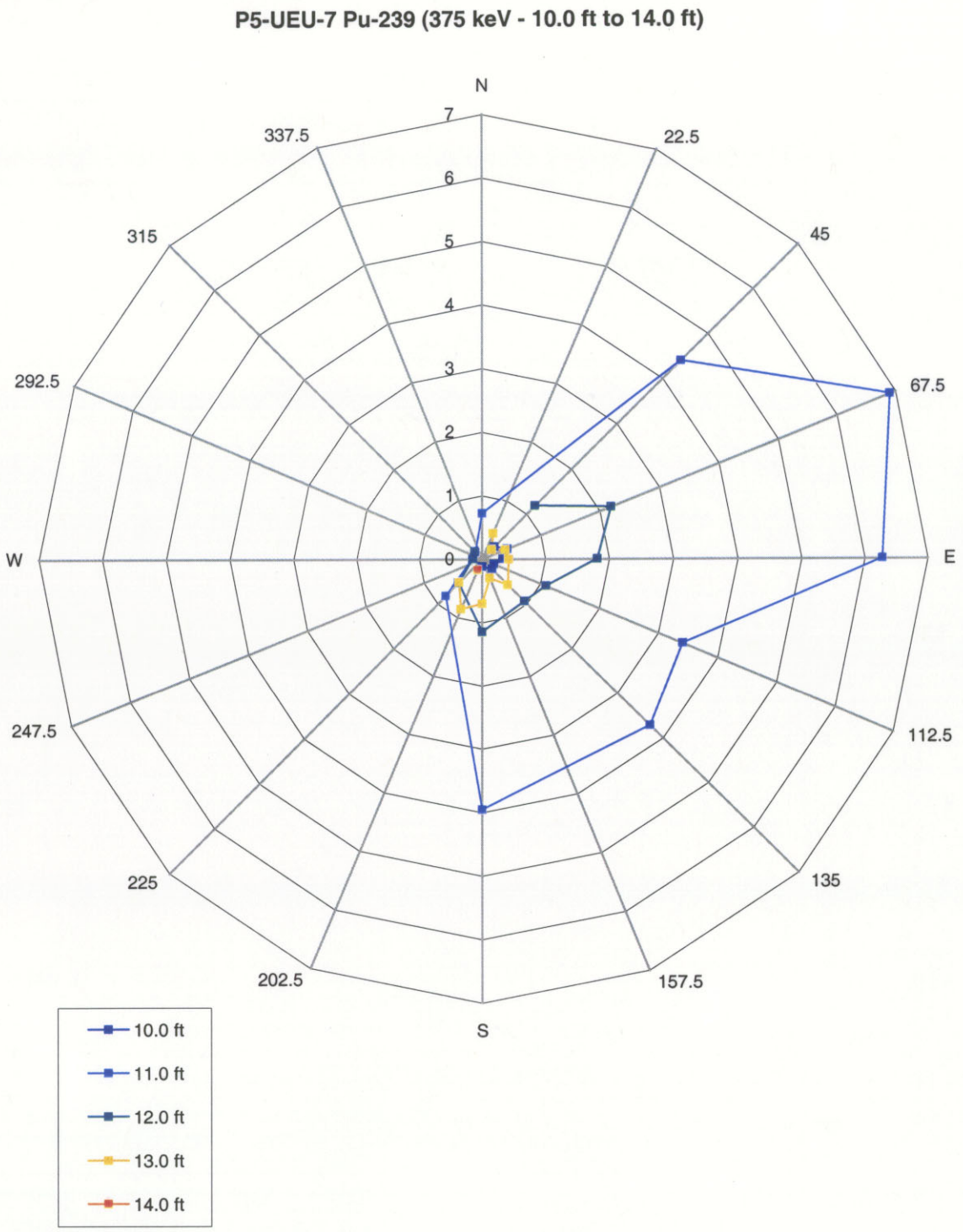

P5-UEU-7
total gamma
cps
100
1000
10000
100000
total gamma
depth
0
5
10
15
20
25
P5-UEU-7
dead time
percent
0
50
100
dead time
depth
P5-UEU-7
manmade radionuclides
pCi/g
1.E-01
1.E+00
1.E+01
1.E+02
1.E+03
1.E+04
1.E-05
1.E+06
1.E+07
1.E+08
Am241 (0662)
Am241 (0722)
Eu154 (1274)
U235 (0186)
U238p (1001)
Pu239 (0375)
Np237 (0312)
depth
P5-UEU-7
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
U238
pCi/g
0
1
2
U238 (1764)
depth
Th232
pCi/g
0
0.5
1
1.5
Th232 (2615)
depth

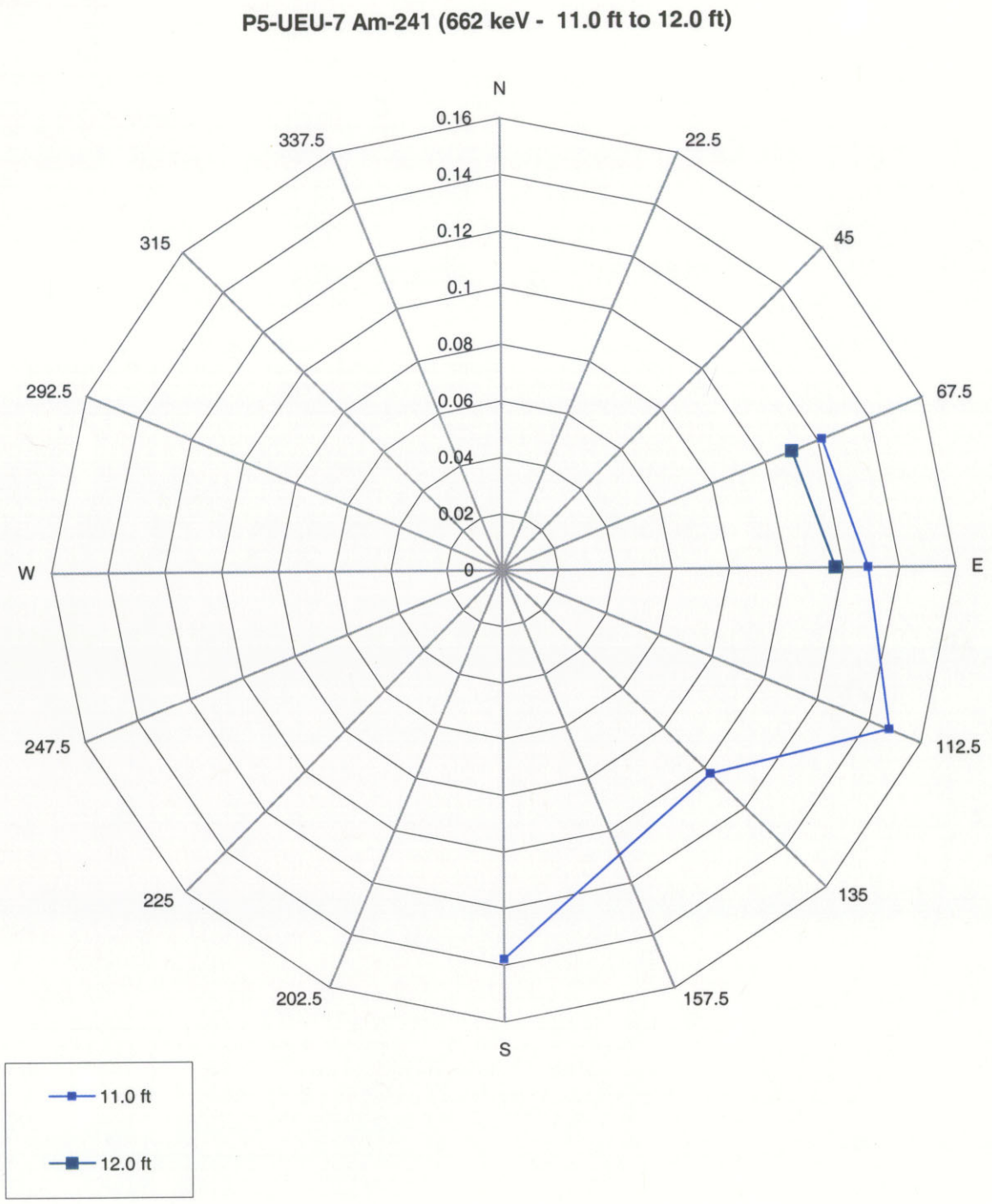
P5-UEU-7


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

P5-UEU-7 Total Gamma (10.0 ft to 14.0 ft)

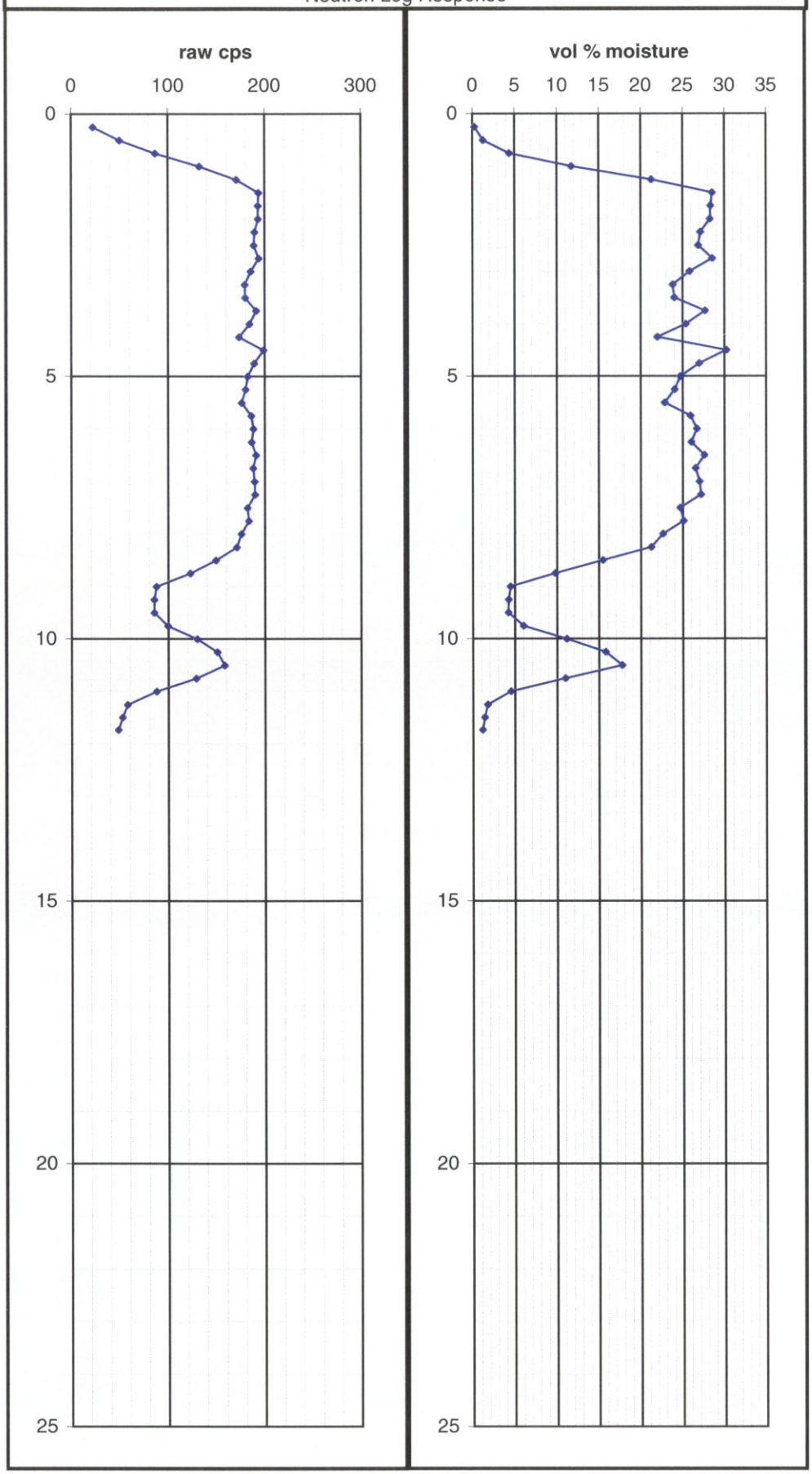


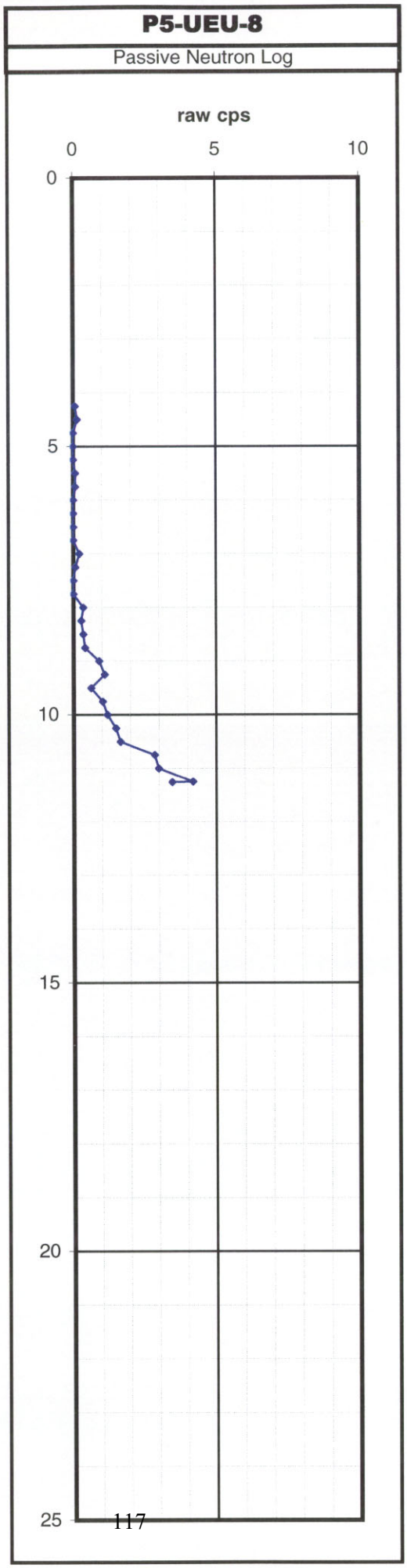

P5-UEU-7 Pu-239 (375 keV - 10.0 ft to 14.0 ft)
N
22.5
45
67.5
E
112.5
135
157.5
S
202.5
225
247.5
W
292.5
315
337.5
0
1
2
3
4
5
6
7
10.0 ft
11.0 ft
12.0 ft
13.0 ft
14.0 ft

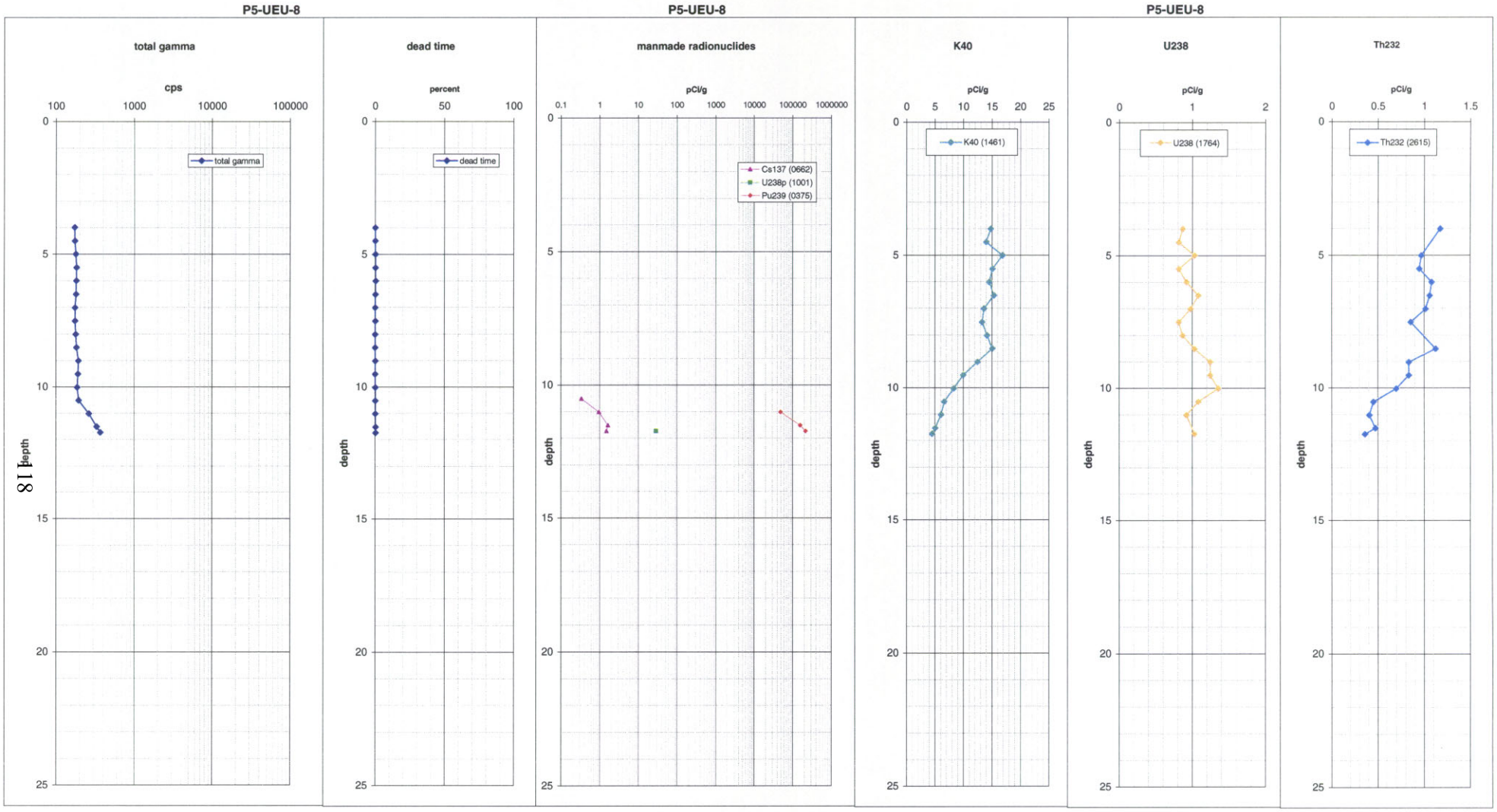

P5-UEU-7 Am-241 (662 keV - 11.0 ft to 12.0 ft)
N
22.5
45
67.5
E
112.5
135
157.5
S
202.5
225
247.5
W
292.5
315
337.5
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
11.0 ft
12.0 ft

P5-UEU-8

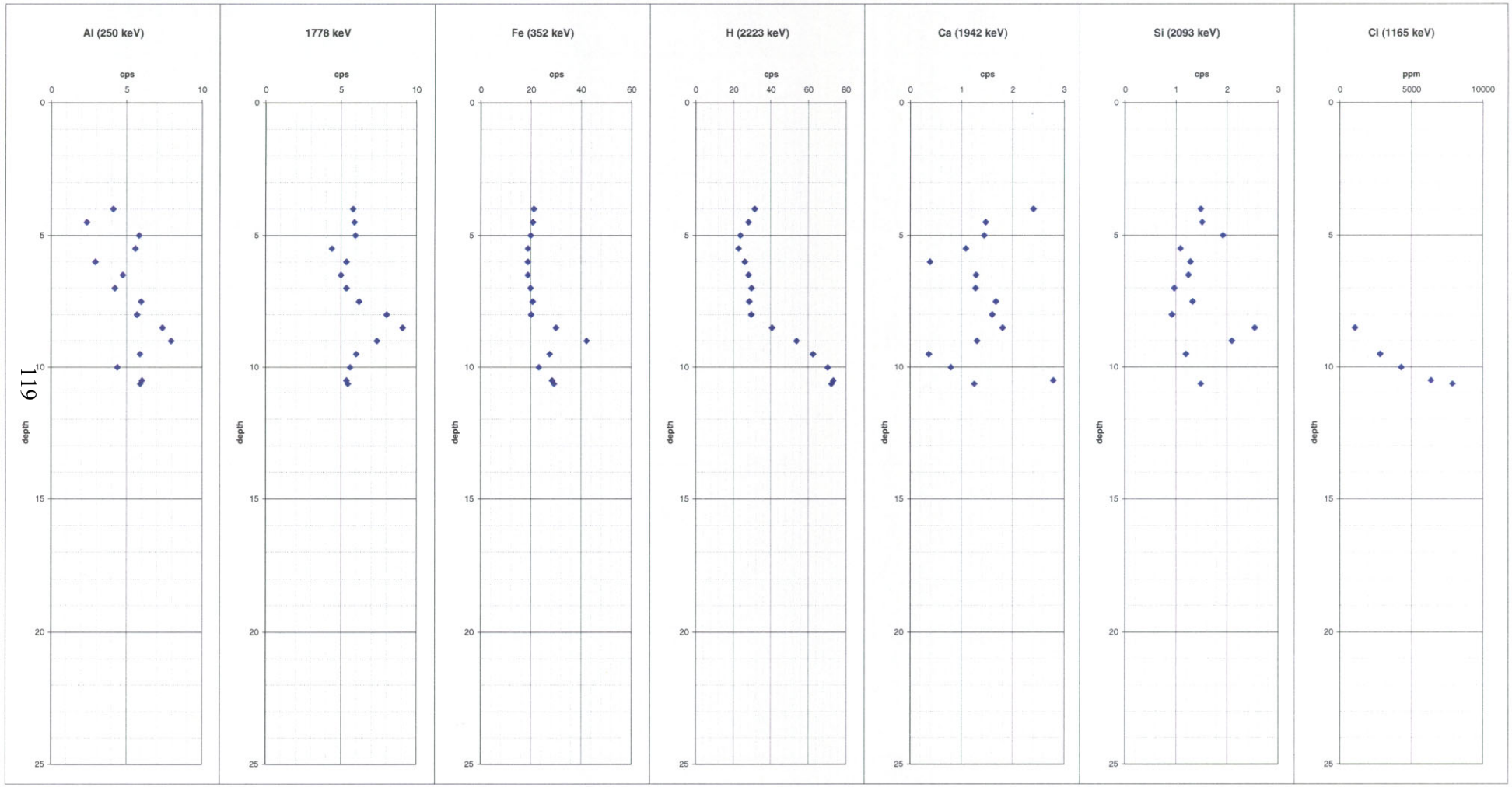
Neutron Log Response

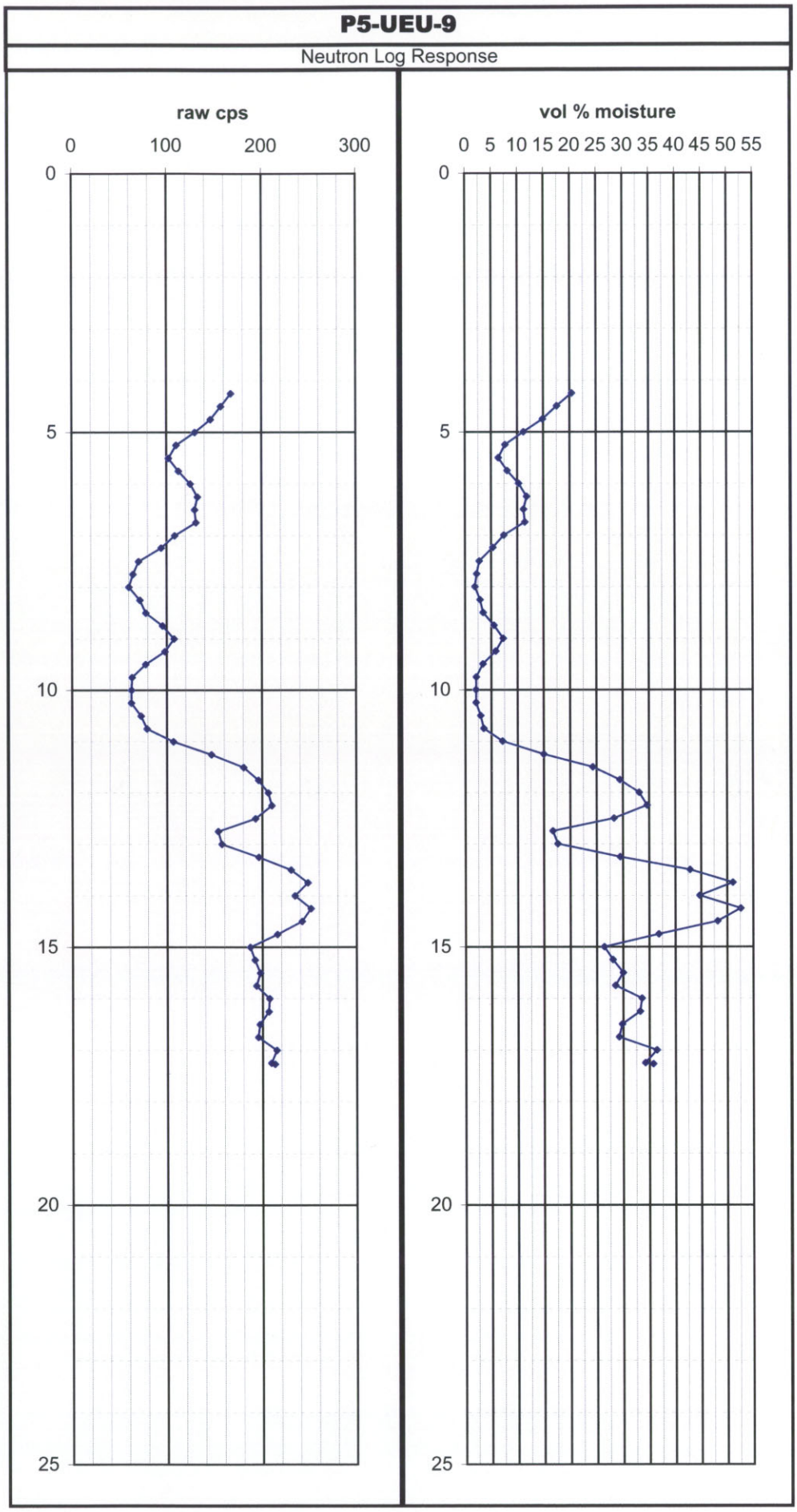


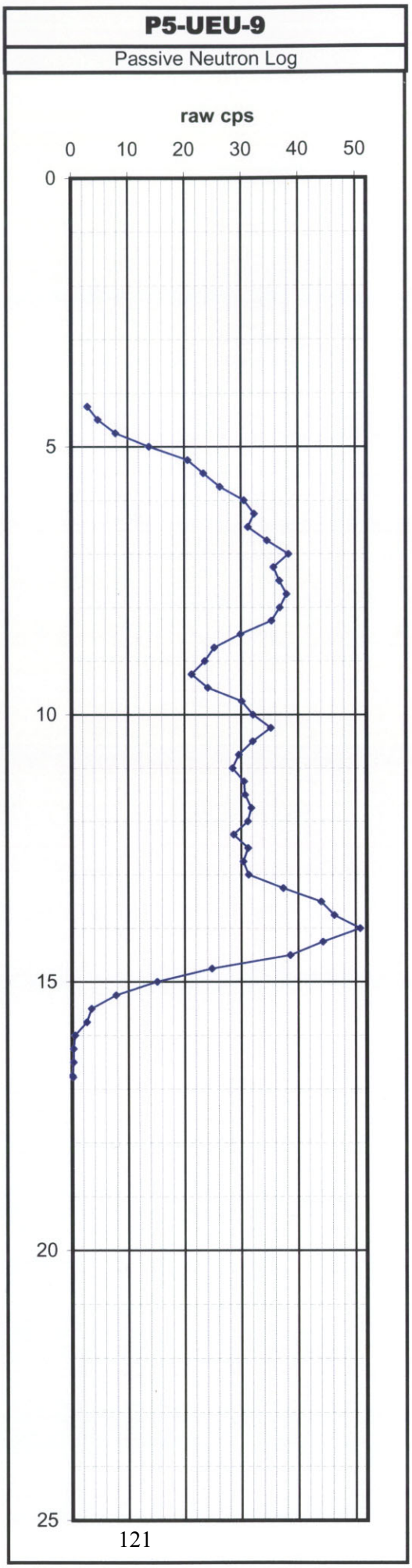

P5-UEU-8
Passive Neutron Log
raw cps
0
5
10
0
5
10
15
20
25

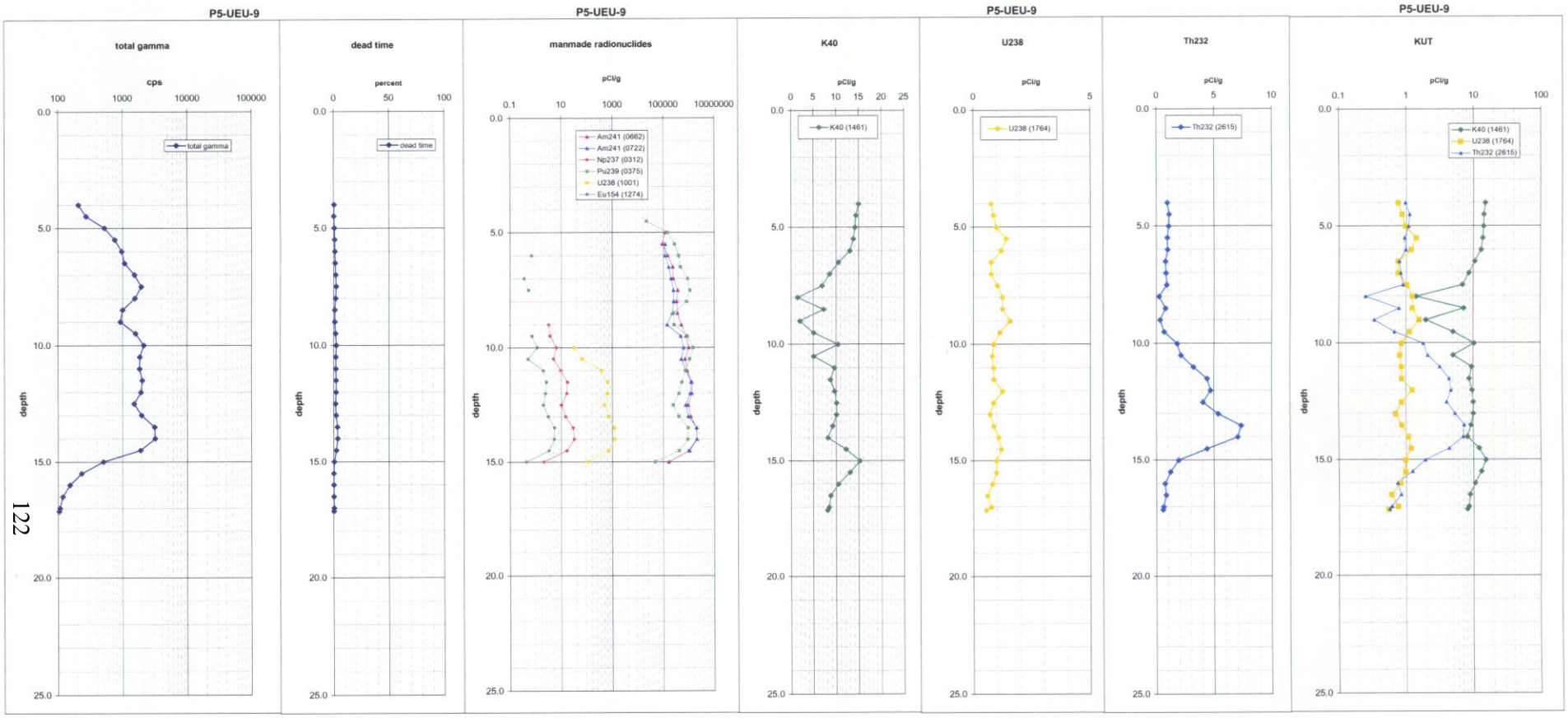

P5-UEU-8
total gamma
cps
100
1000
10000
100000
total gamma
depth
0
5
10
15
20
25
P5-UEU-8
dead time
percent
0
50
100
dead time
depth
P5-UEU-8
manmade radionuclides
pCi/g
0.1
1
10
100
1000
10000
100000
1000000
Cs137 (0662)
U238p (1001)
Pu239 (0375)
depth
P5-UEU-8
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
U238
pCi/g
0
1
2
U238 (1764)
depth
Th232
pCi/g
0
0.5
1
1.5
Th232 (2615)
depth

P5-UEU-8

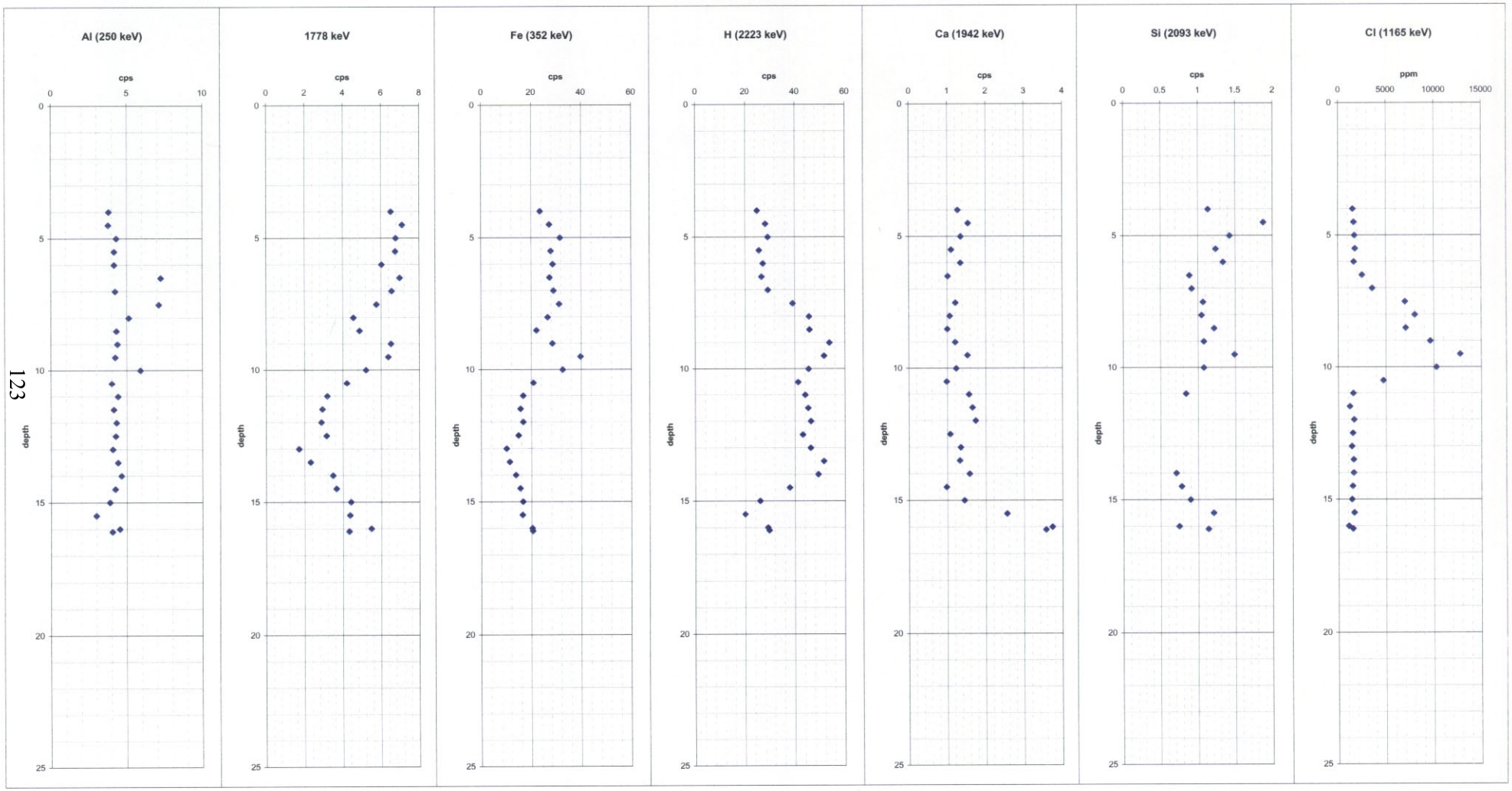

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth

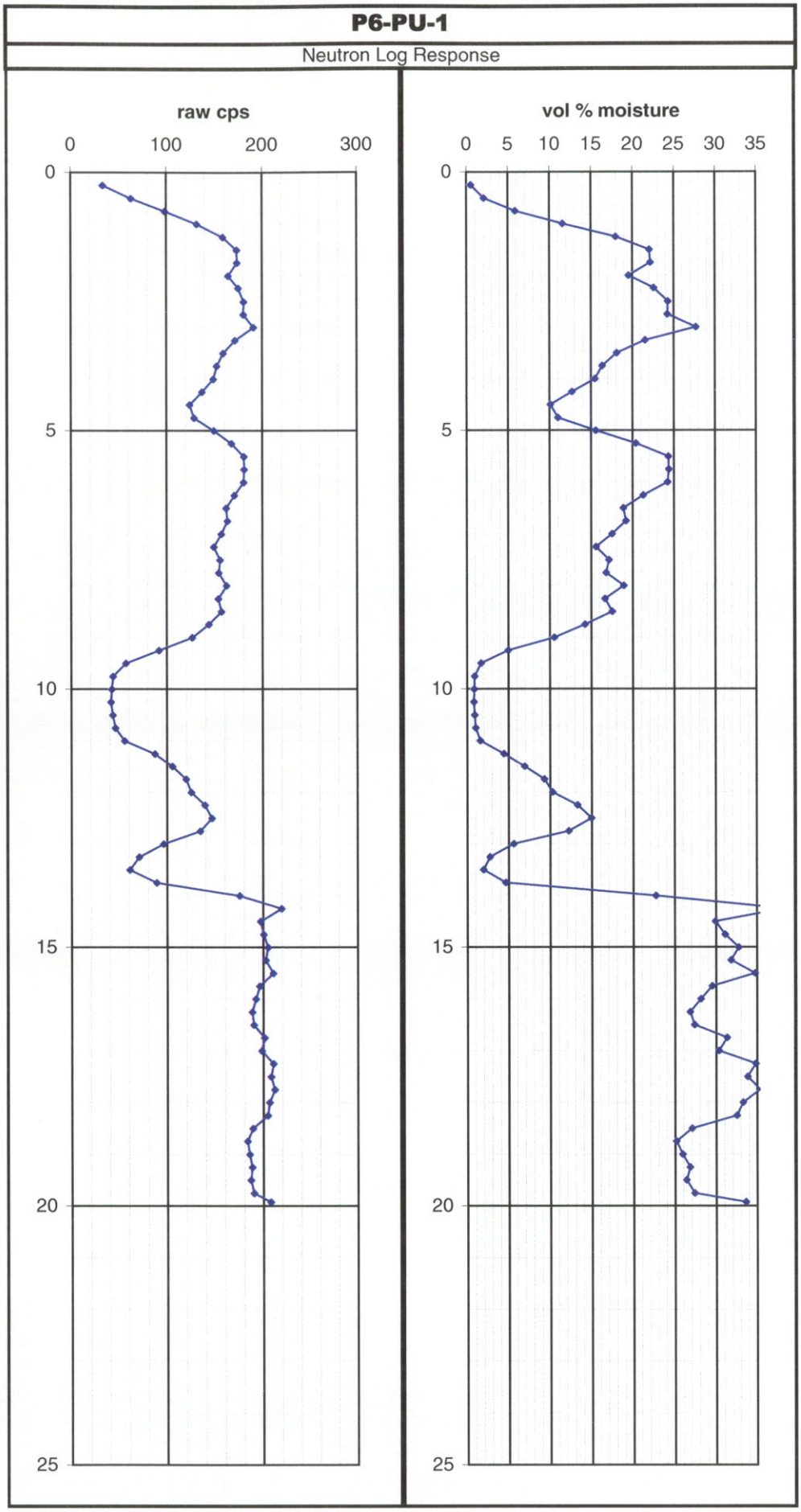

P5-UEU-9
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0 5 10 15 20 25 30 35 40 45 50 55
0
5
10
15
20
25

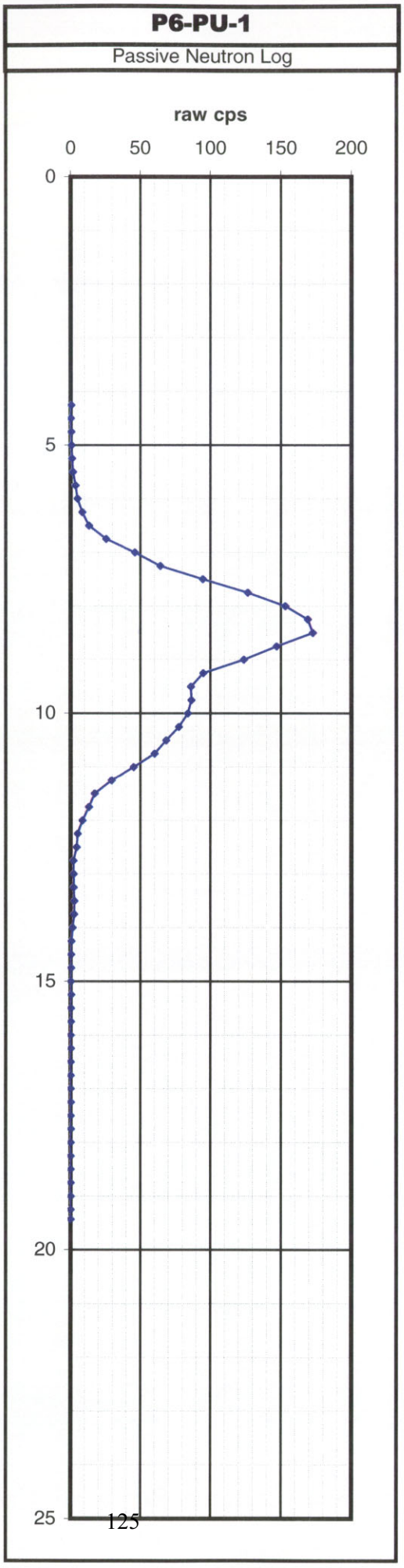

P5-UEU-9
Passive Neutron Log
raw cps
0
10
20
30
40
50
0
5
10
15
20
25

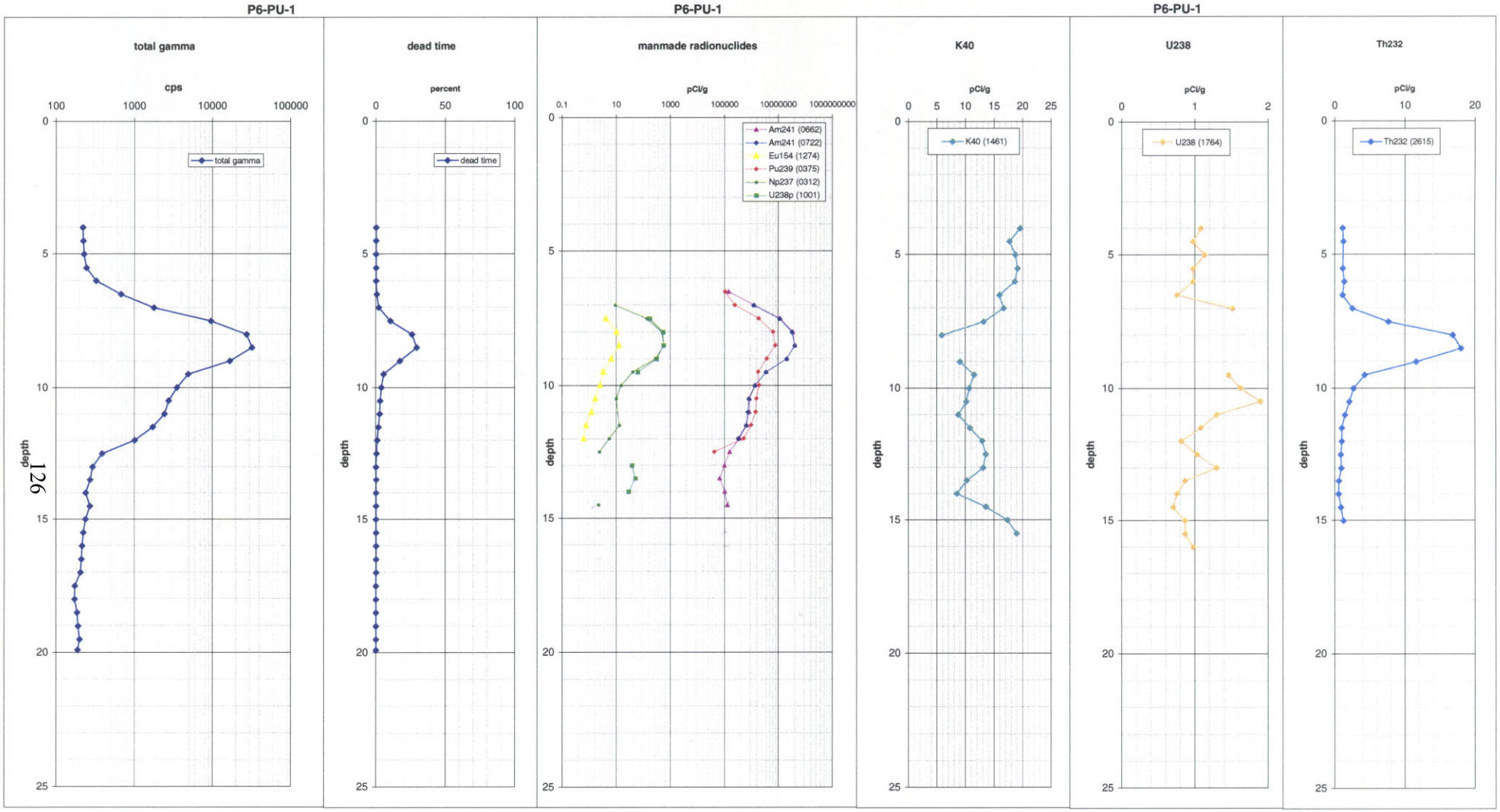

P5-UEU-9
total gamma
cps
100
1000
10000
100000
total gamma
depth
0.0
5.0
10.0
15.0
20.0
25.0
P5-UEU-9
dead time
percent
0
50
100
dead time
P5-UEU-9
manmade radionuclides
pCi/g
0.1
10
1000
100000
10000000
Am241 (0662)
Am241 (0722)
Np237 (0312)
Pu239 (0375)
U238 (1001)
Eu154 (1274)
P5-UEU-9
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
P5-UEU-9
U238
pCi/g
0
5
U238 (1764)
P5-UEU-9
Th232
pCi/g
0
5
10
Th232 (2615)
P5-UEU-9
KUT
pCi/g
0.1
1
10
100
K40 (1461)
U238 (1764)
Th232 (2615)

P5-UEU-9

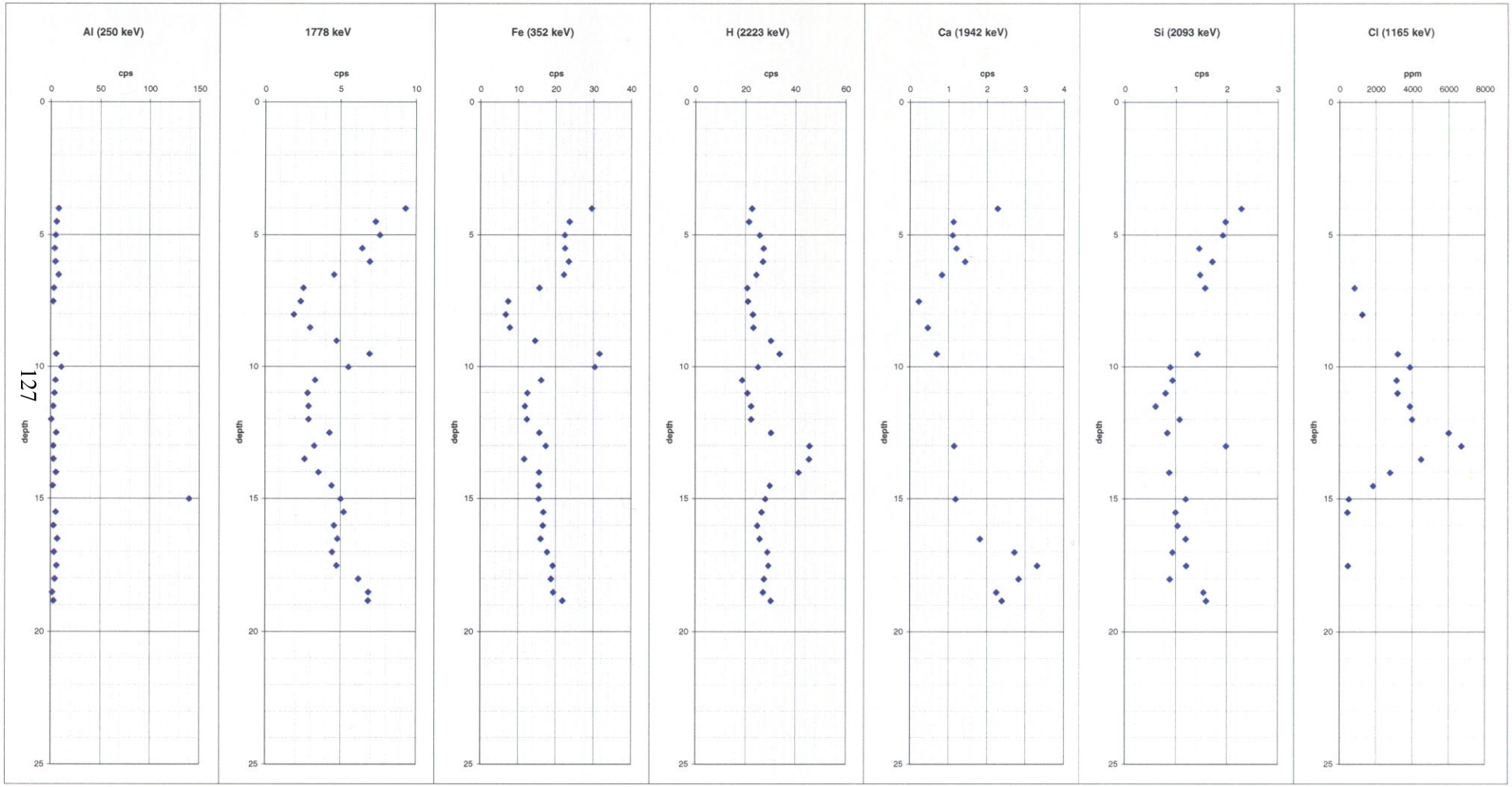

Al (250 keV)
1778 keV
Fe (352 keV)
H (2223 keV)
Ca (1942 keV)
Si (2093 keV)
Cl (1165 keV)
cps
ppm
depth


P6-PU-1
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

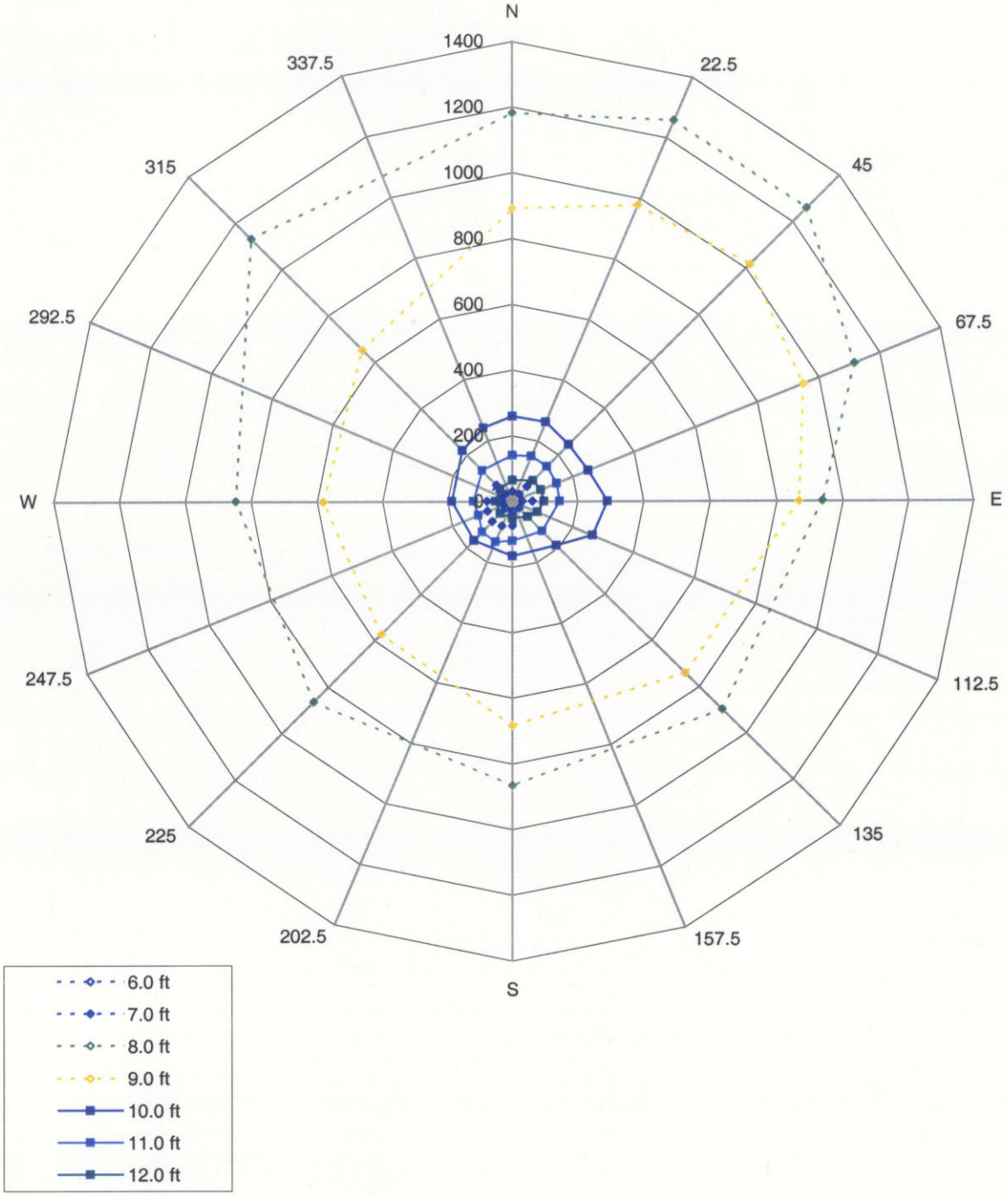
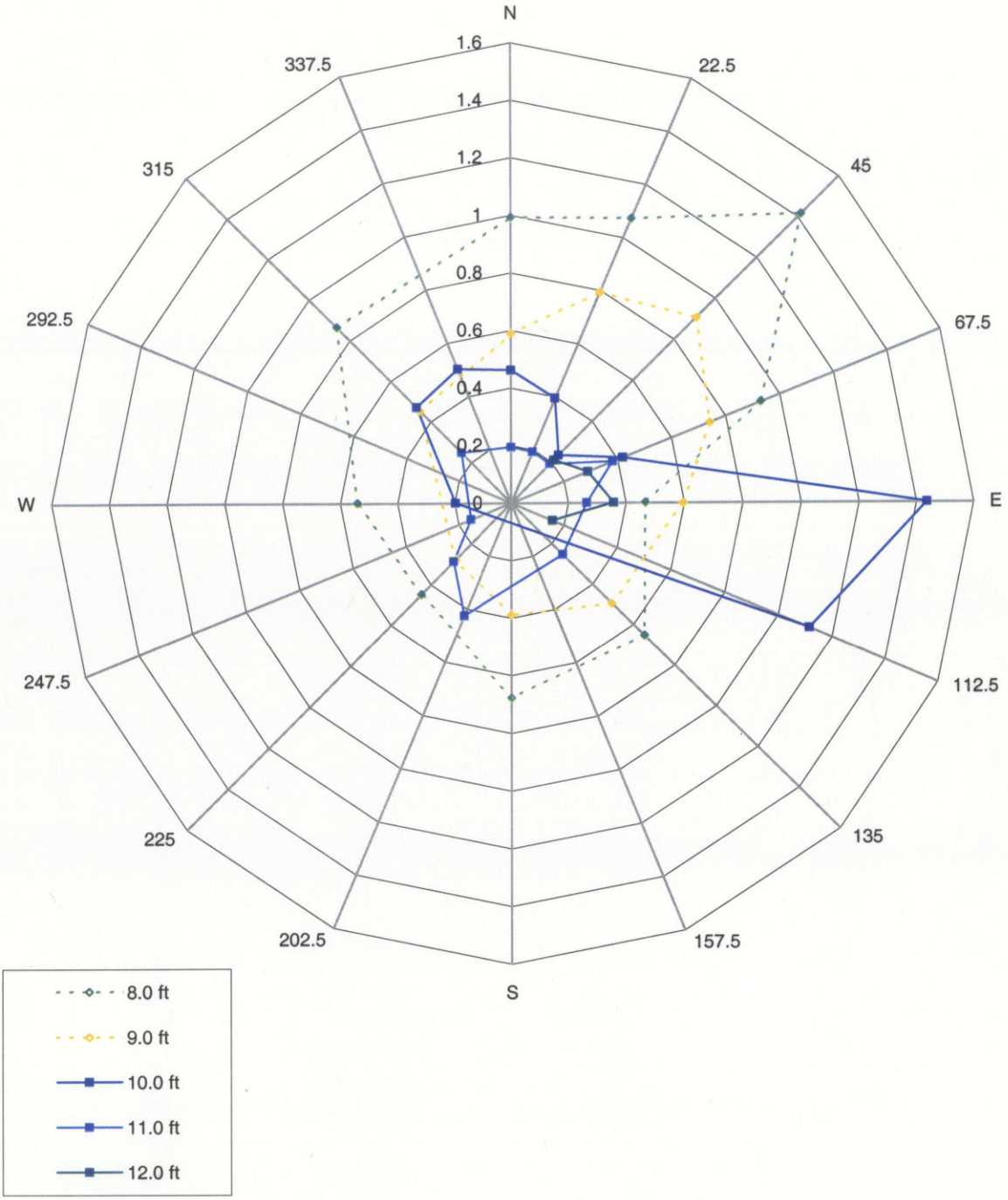

P6-PU-1
Passive Neutron Log
raw cps
0
50
100
150
200
0
5
10
15
20
25


P6-PU-1
total gamma
cps
100
1000
10000
100000
total gamma
depth
0
5
10
15
20
25
P6-PU-1
dead time
percent
0
50
100
dead time
depth
P6-PU-1
manmade radionuclides
pCi/g
0.1
10
1000
100000
10000000
1000000000
Am241 (0662)
Am241 (0722)
Eu154 (1274)
Pu239 (0375)
Np237 (0312)
U238p (1001)
depth
P6-PU-1
K40
pCi/g
0
5
10
15
20
25
K40 (1461)
depth
U238
pCi/g
0
1
2
U238 (1764)
depth
Th232
pCi/g
0
10
20
Th232 (2615)
depth

P6-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

P6-PU-1 Total Gamma (6.0 ft to 12.0 ft)



P6-PU-1 Pu-239 (375 keV - 8.0 ft to 12.0 ft)