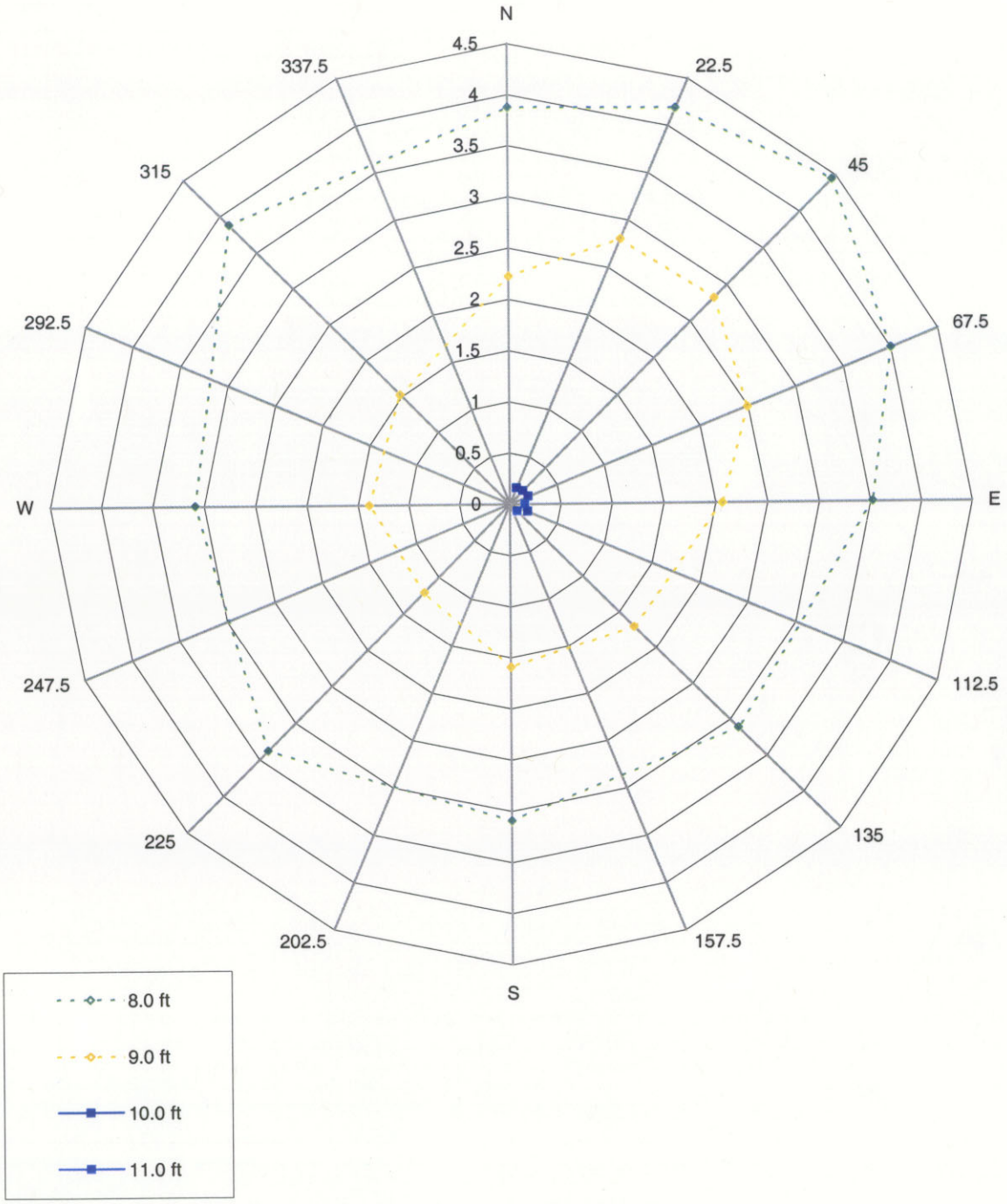
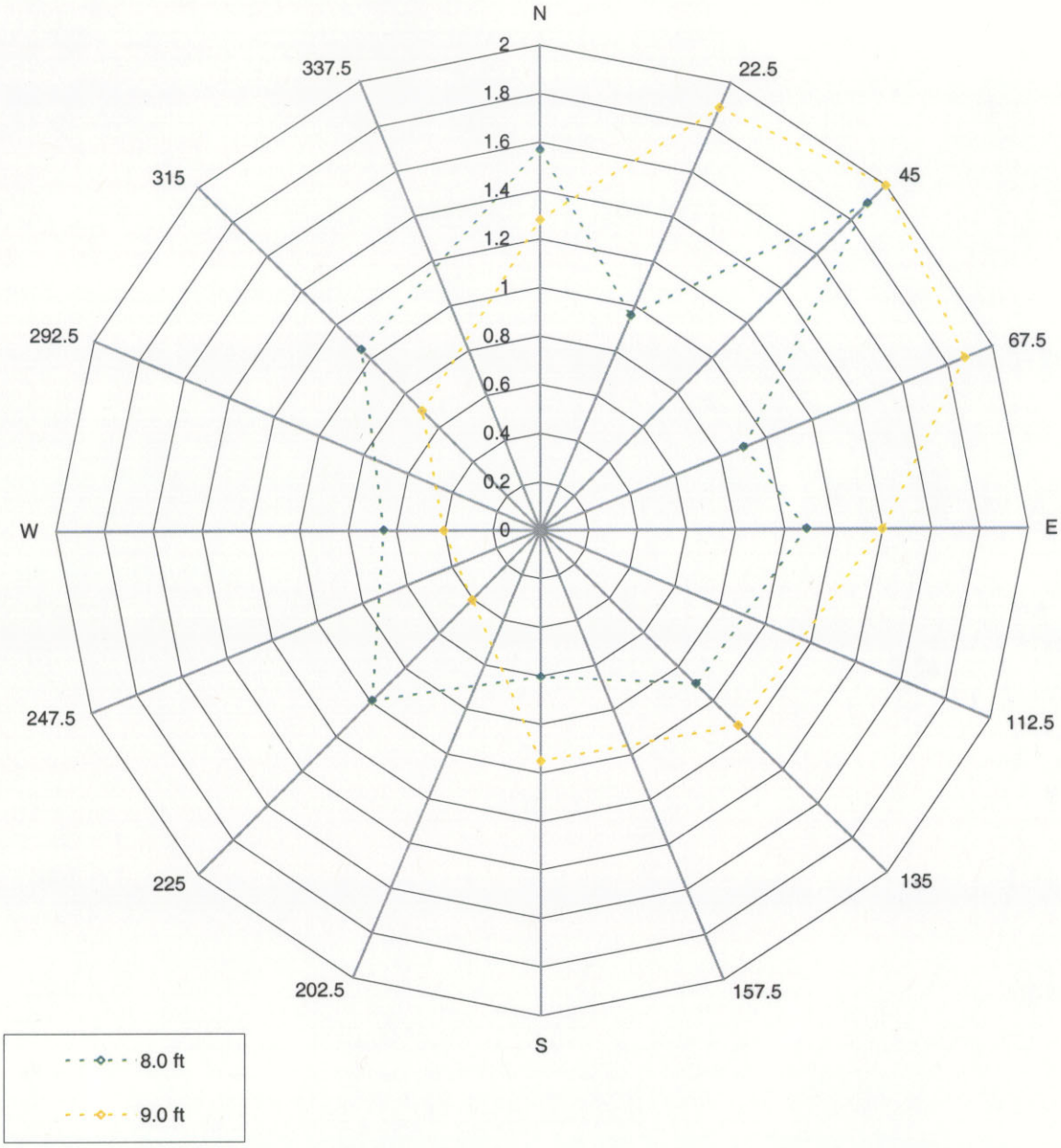
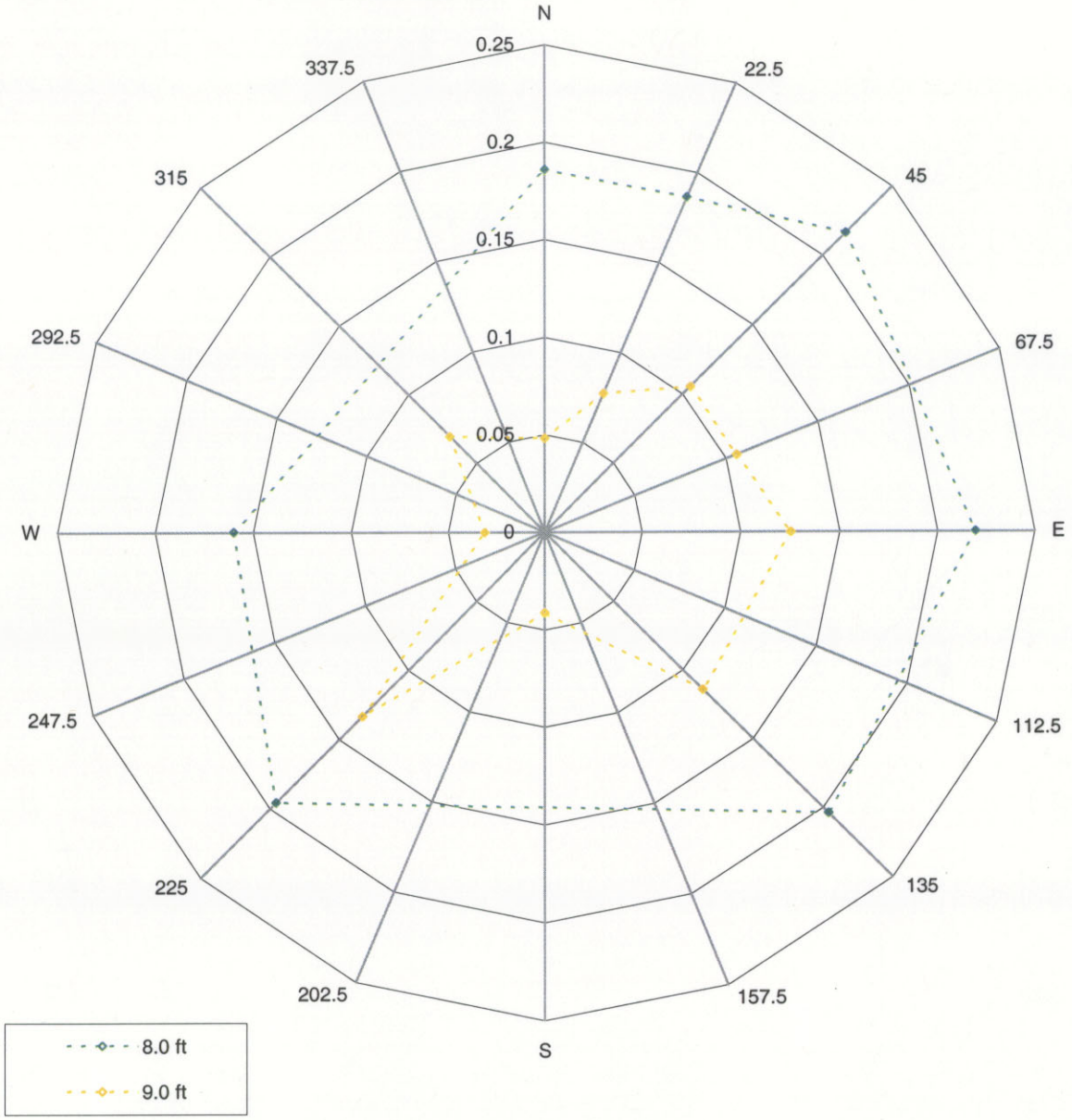
P6-PU-1 Am-241 (662 keV - 8.0 ft to 11.0 ft)

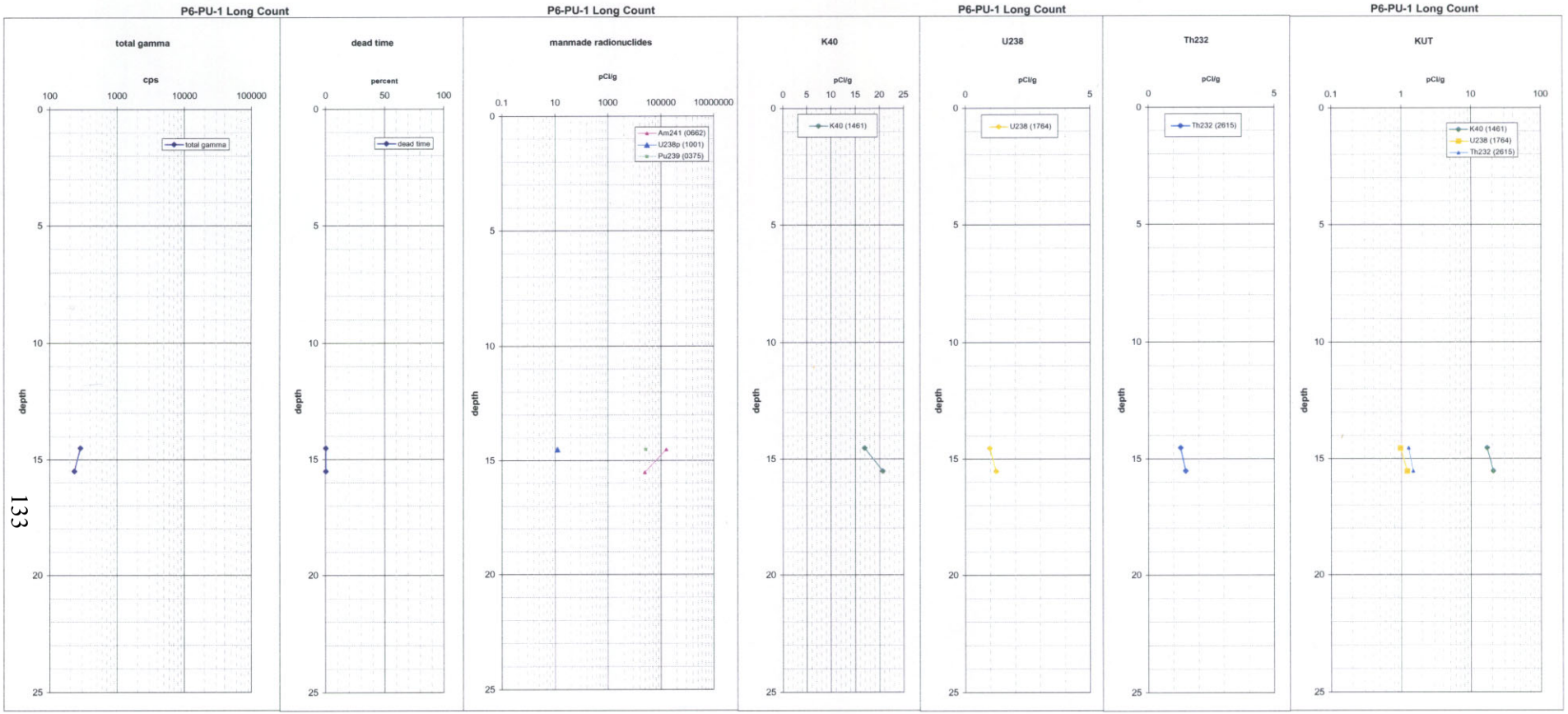


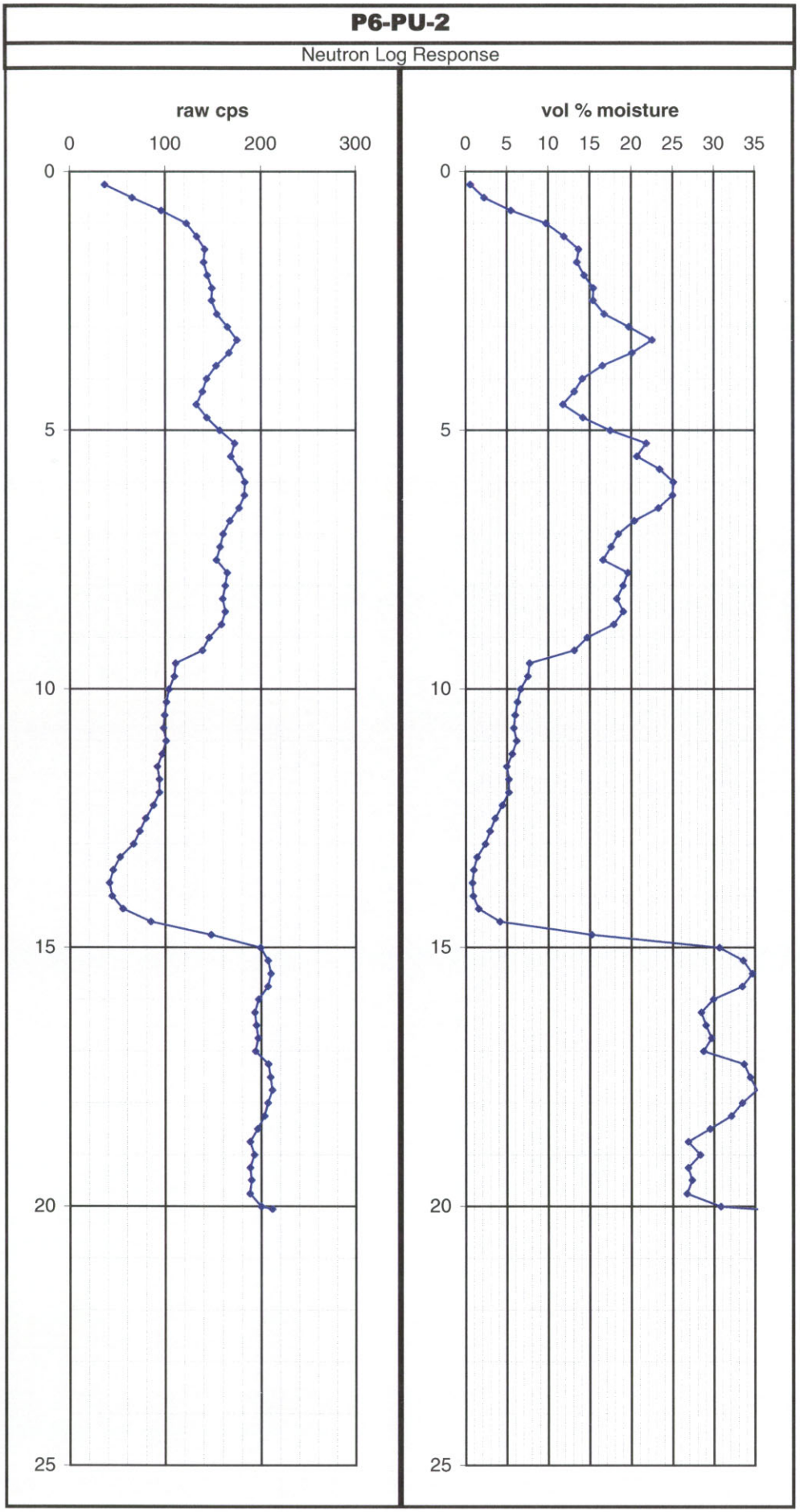
P6-PU-1 Np-237 (313 keV - 8.0 ft and 9.0 ft)

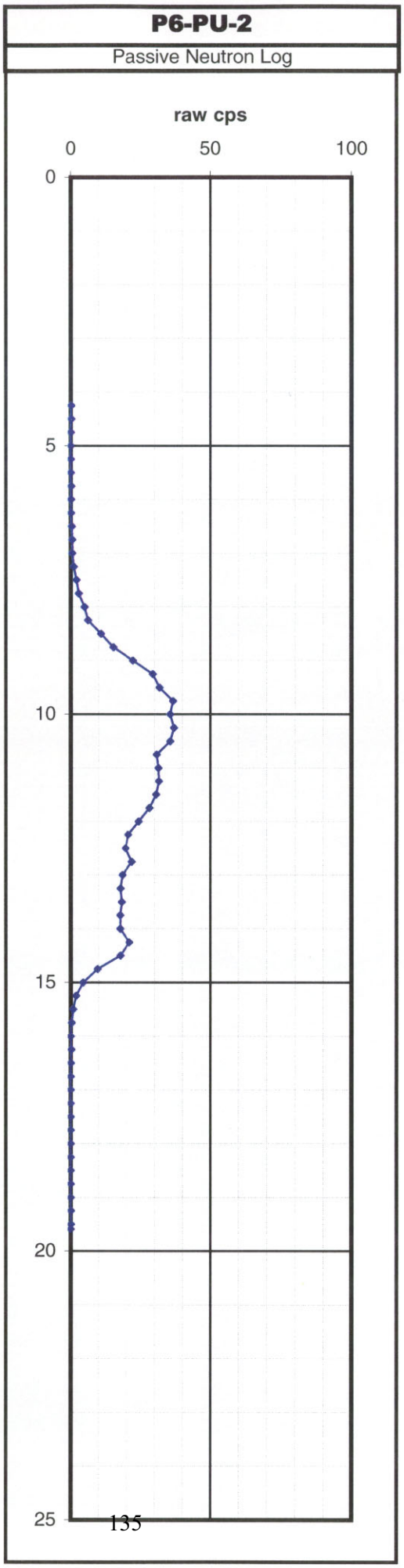


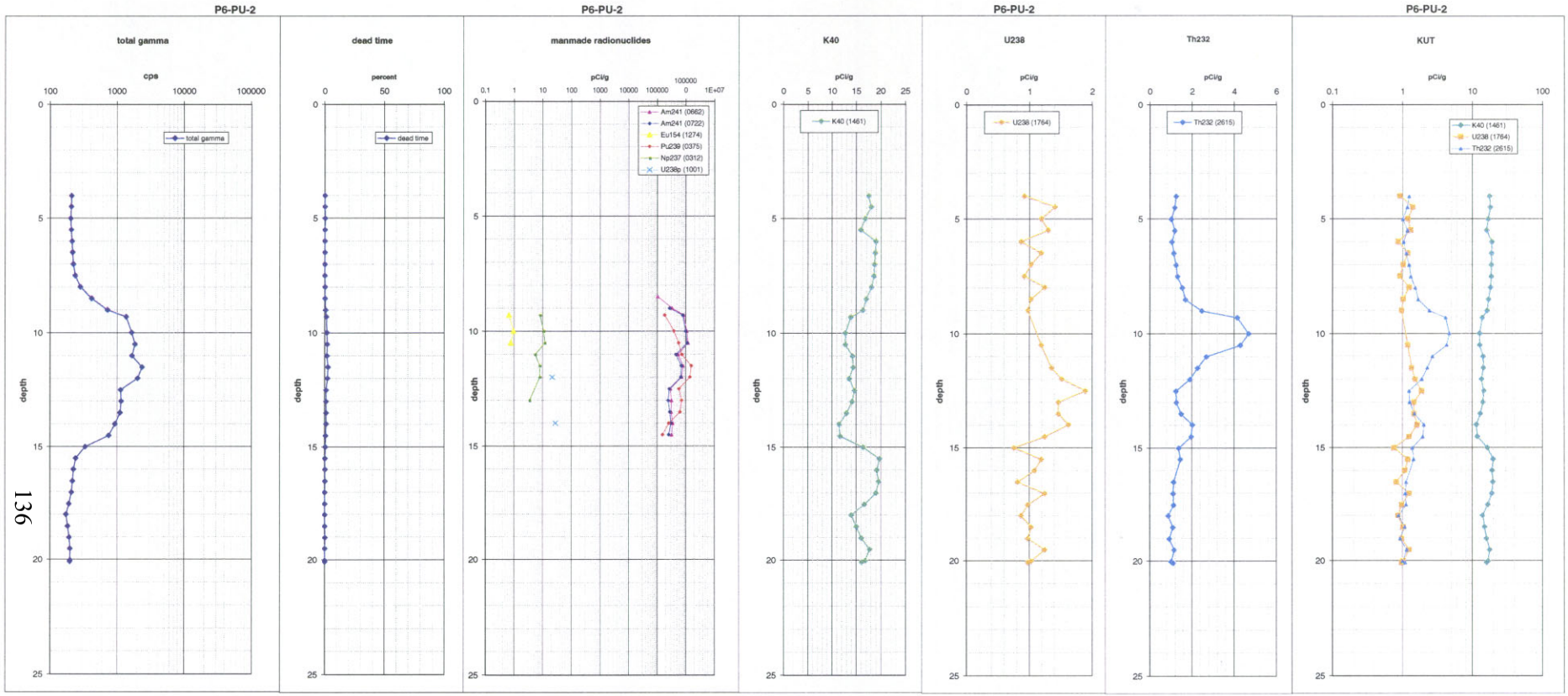
P6-PU-1 U-238 (1001 keV - 8.0 ft and 9.0 ft)



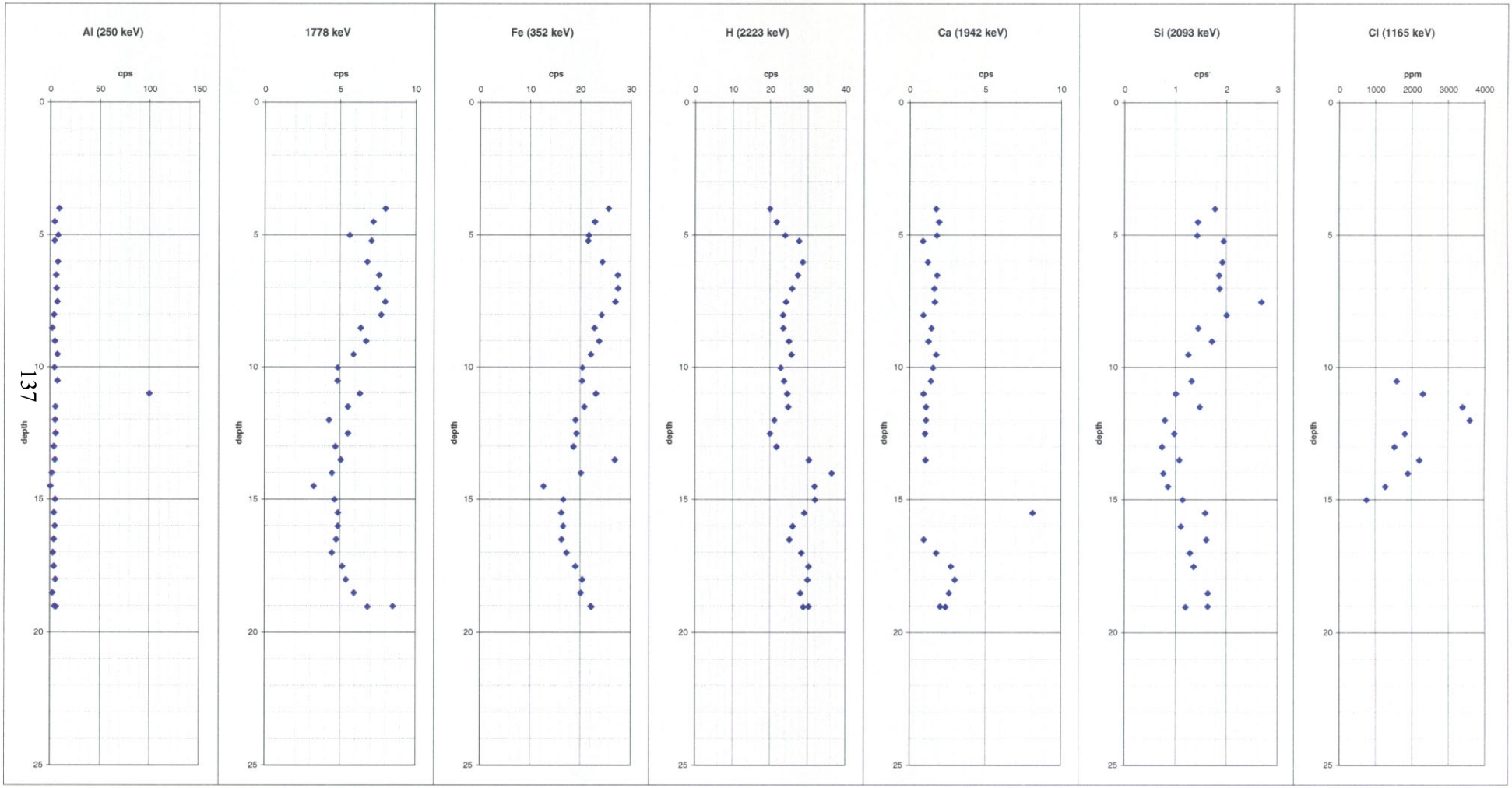

P6-PU-1 Long Count
total gamma
cps
100
1000
10000
100000
total gamma
depth
0
5
10
15
20
25
P6-PU-1 Long Count
dead time
percent
0
50
100
dead time
depth
P6-PU-1 Long Count
manmade radionuclides
pCi/g
0.1
10
1000
100000
10000000
Am241 (0662)
U238p (1001)
Pu239 (0375)
depth
P6-PU-1 Long Count
K40
pCi/g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


P6-PU-2
Neutron Log Response
raw cps
0
100
200
300
vol % moisture
0
5
10
15
20
25
30
35

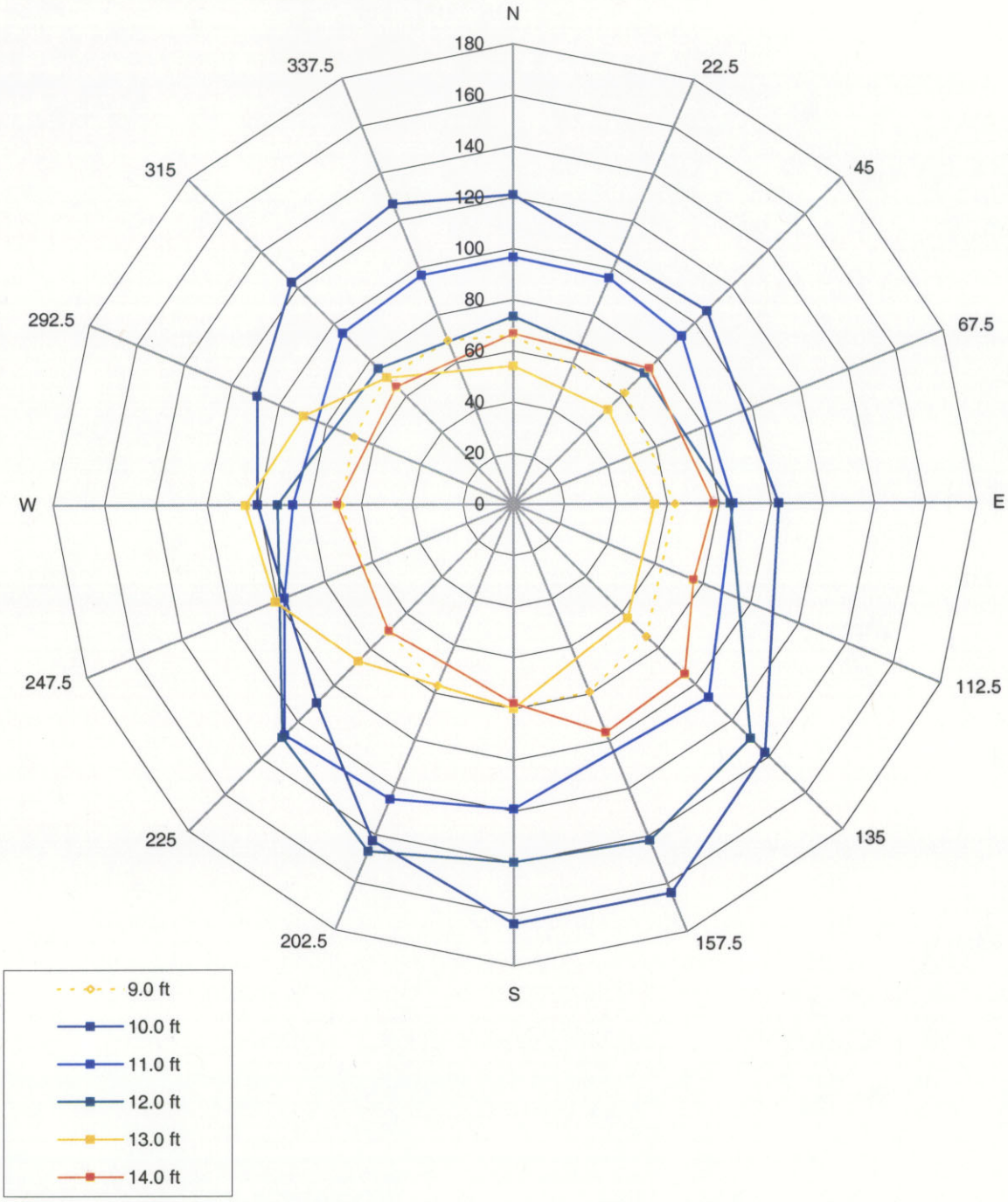

P6-PU-2
Passive Neutron Log
raw cps
0
50
100
0
5
10
15
20
25

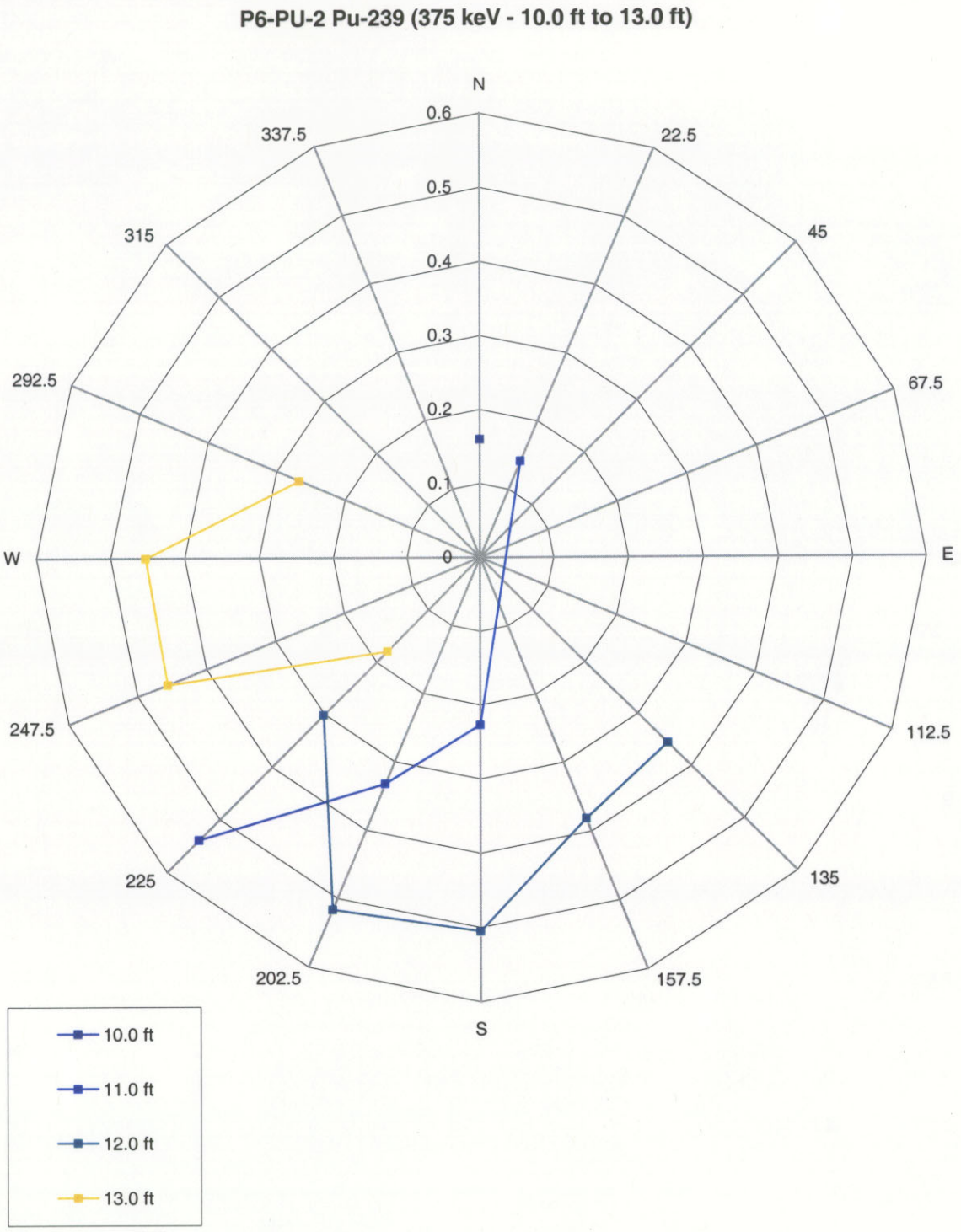

P6-PU-2
total gamma
cps
total gamma
dead time
percent
dead time
manmade radionuclides
pCi/g
Am241 (0662)
Am241 (0722)
Eu154 (1274)
Pu239 (0375)
Np237 (0312)
U238p (1001)
K40
pCi/g
K40 (1461)
U238
pCi/g
U238 (1764)
Th232
pCi/g
Th232 (2615)
KUT
pCi/g
K40 (1461)
U238 (1764)
Th232 (2615)
depth

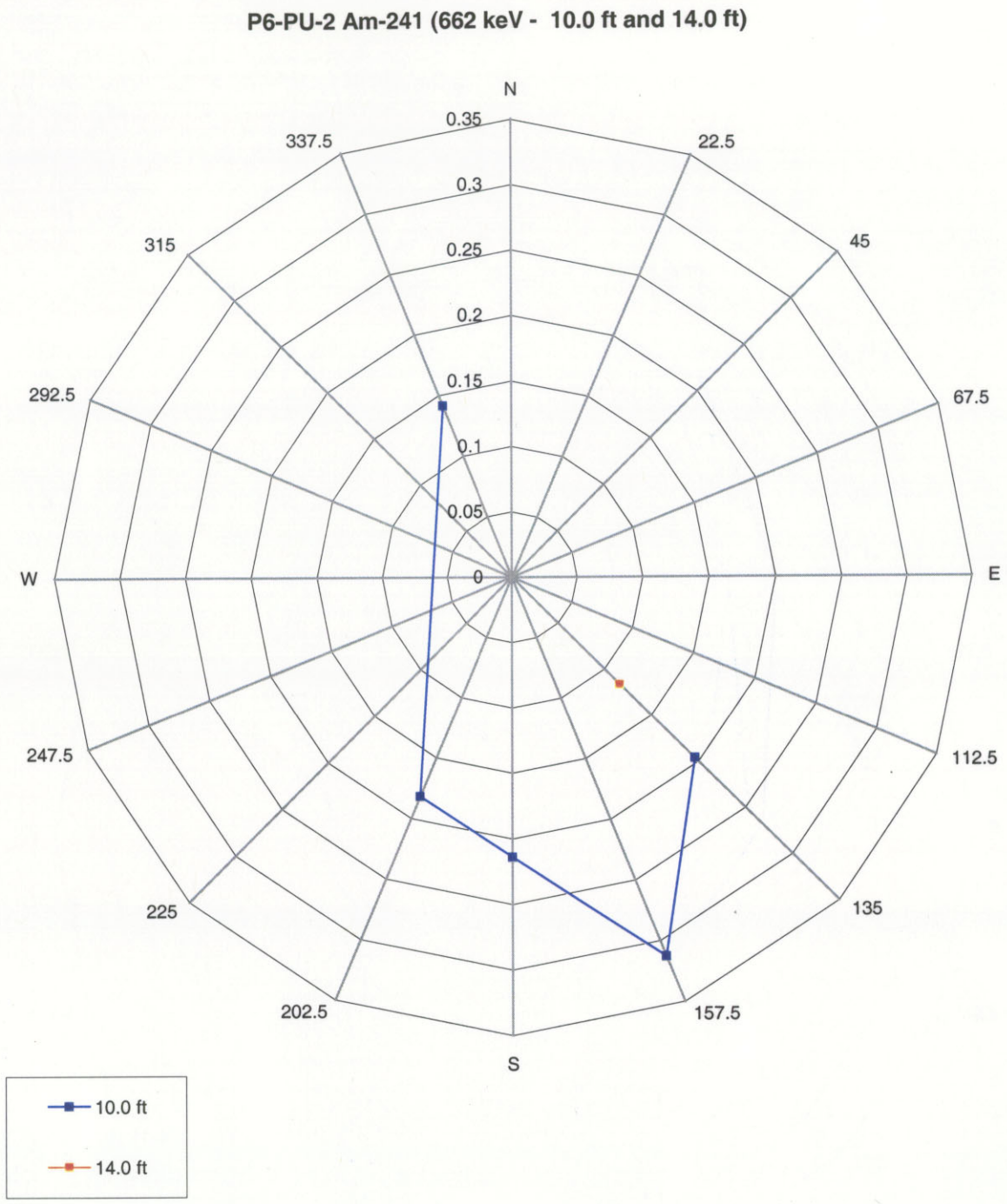
P6-PU-2


Al (250 keV)
cps
0 50 100 150
1778 keV
cps
0 5 10
Fe (352 keV)
cps
0 10 20 30
H (2223 keV)
cps
0 10 20 30 40
Ca (1942 keV)
cps
0 5 10
Si (2093 keV)
cps
0 1 2 3
Cl (1165 keV)
ppm
0 1000 2000 3000 4000
depth
0 5 10 15 20 25

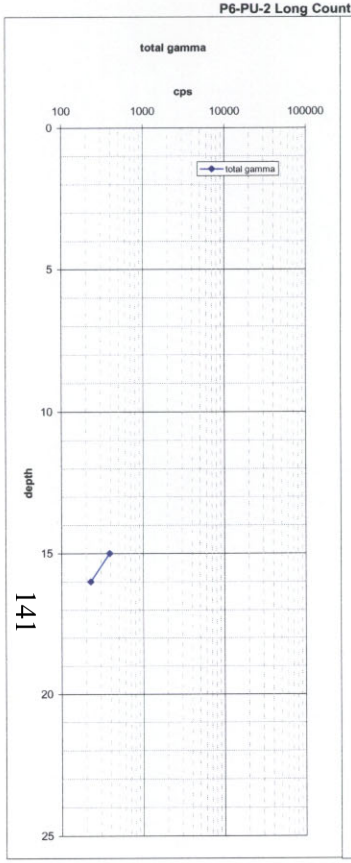
P6-PU-2 Total Gamma (9.0 ft to 14.0 ft)



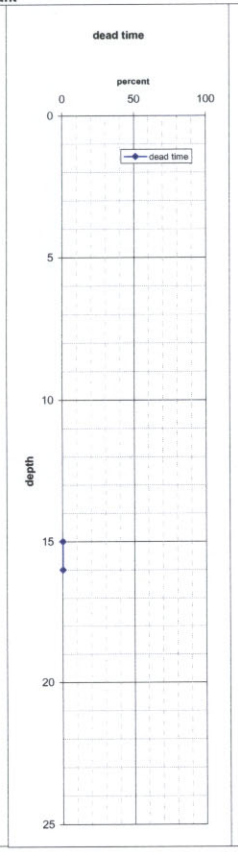

P6-PU-2 Pu-239 (375 keV - 10.0 ft to 13.0 ft)
N
22.5
45
67.5
E
112.5
135
157.5
S
202.5
225
247.5
W
292.5
315
337.5
0.6
0.5
0.4
0.3
0.2
0.1
0
10.0 ft
11.0 ft
12.0 ft
13.0 ft


P6-PU-2 Am-241 (662 keV - 10.0 ft and 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
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
10.0 ft
14.0 ft

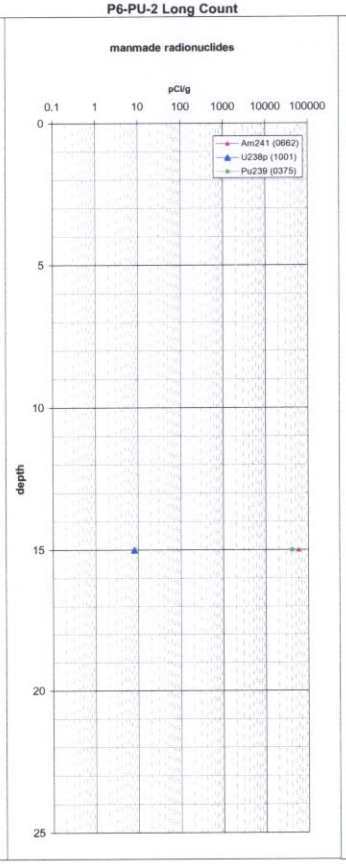
P6-PU-2 Long Count



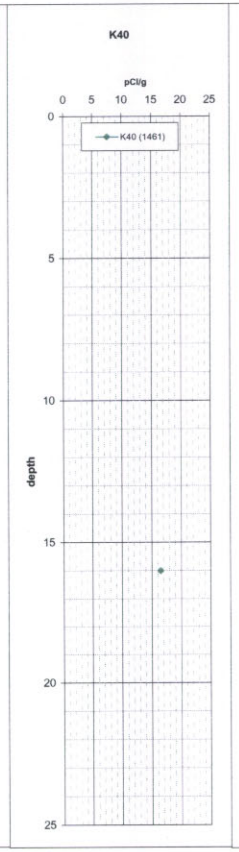
P6-PU-2 Long Count

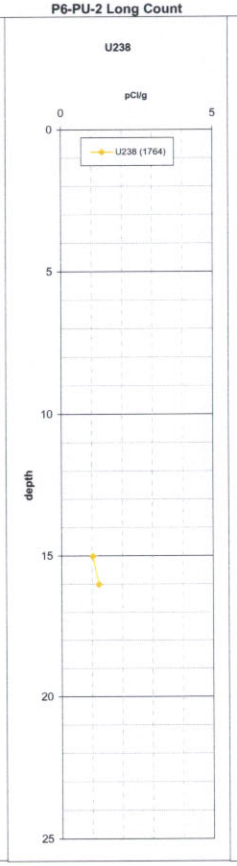


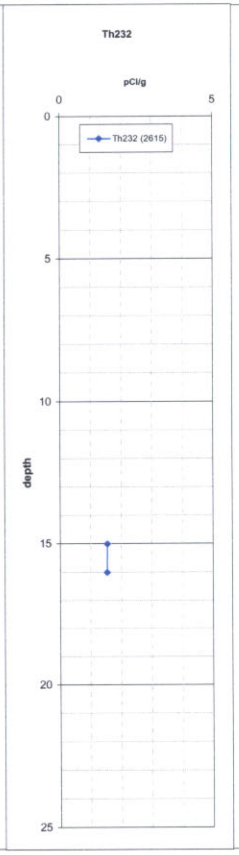
P6-PU-2 Long Count



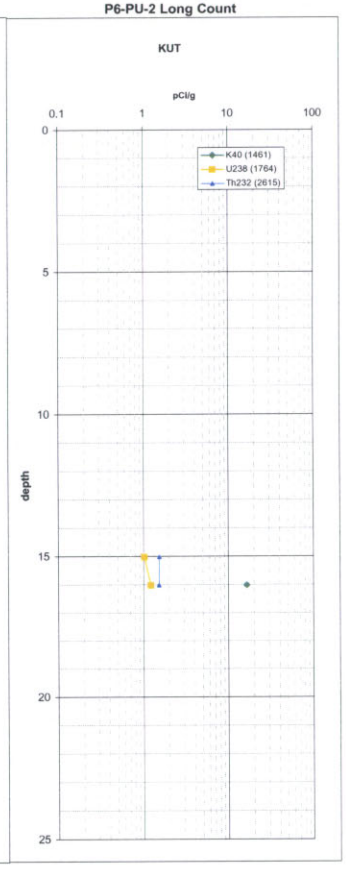
P6-PU-2 Long Count





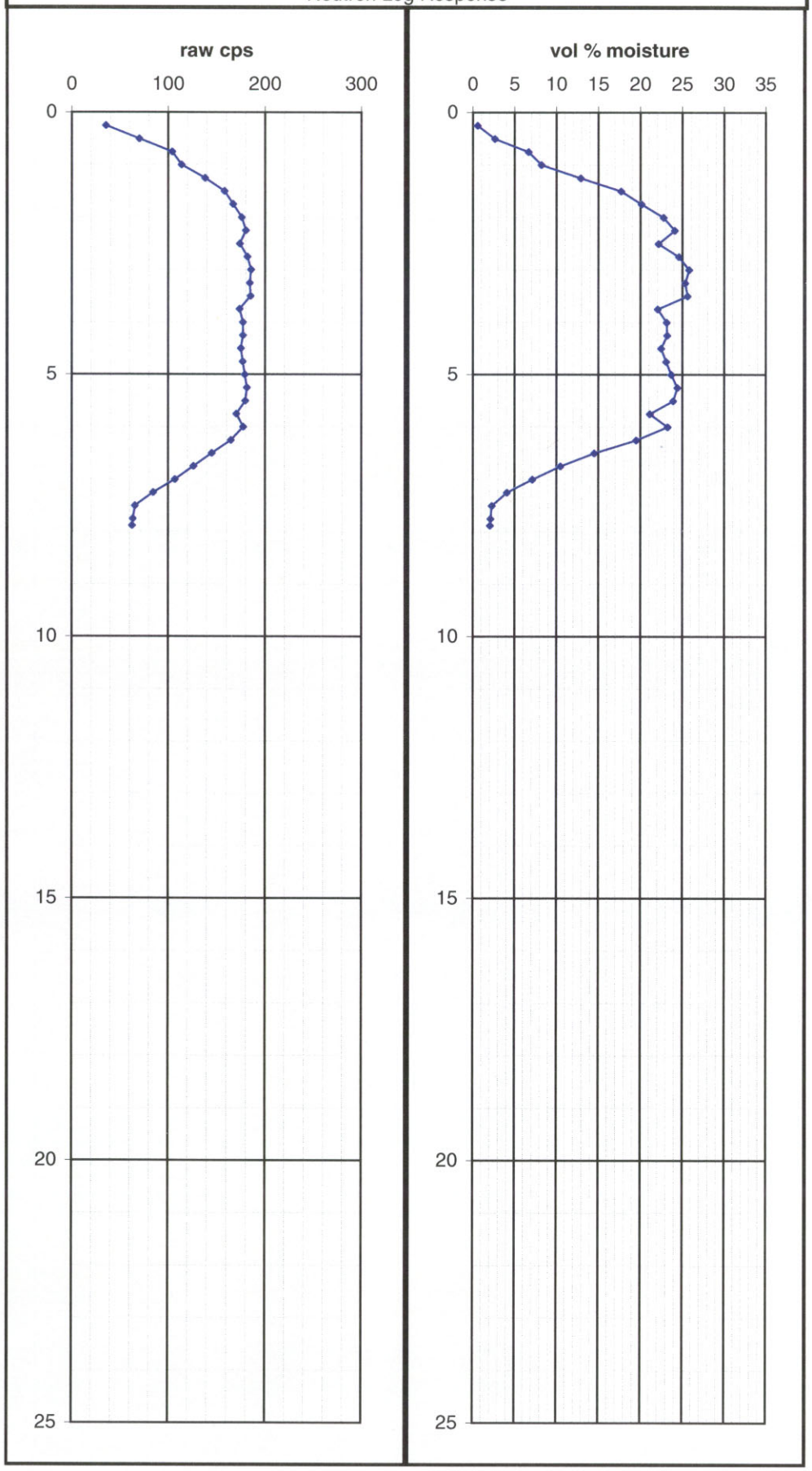


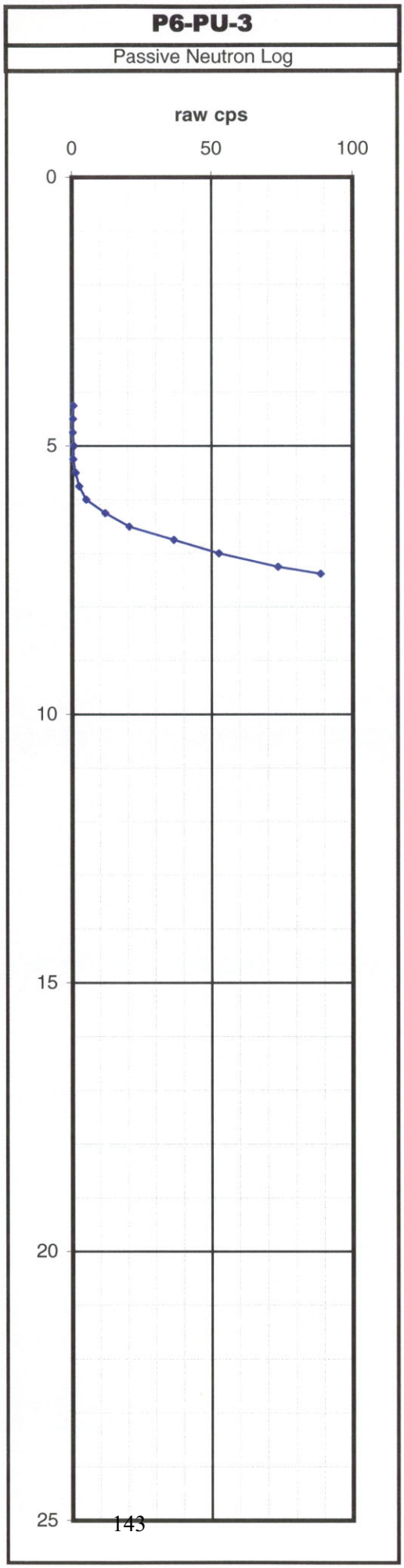
P6-PU-2 Long Count

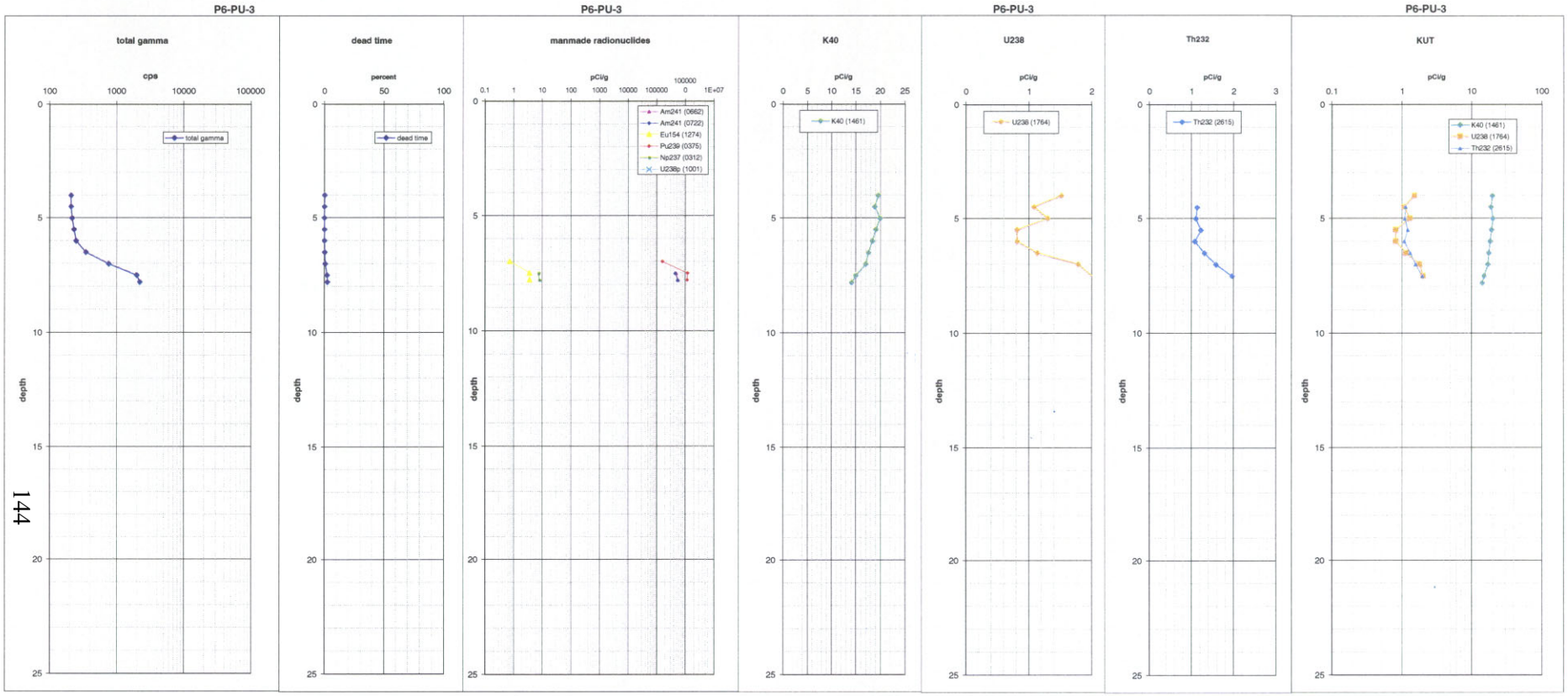


P6-PU-3

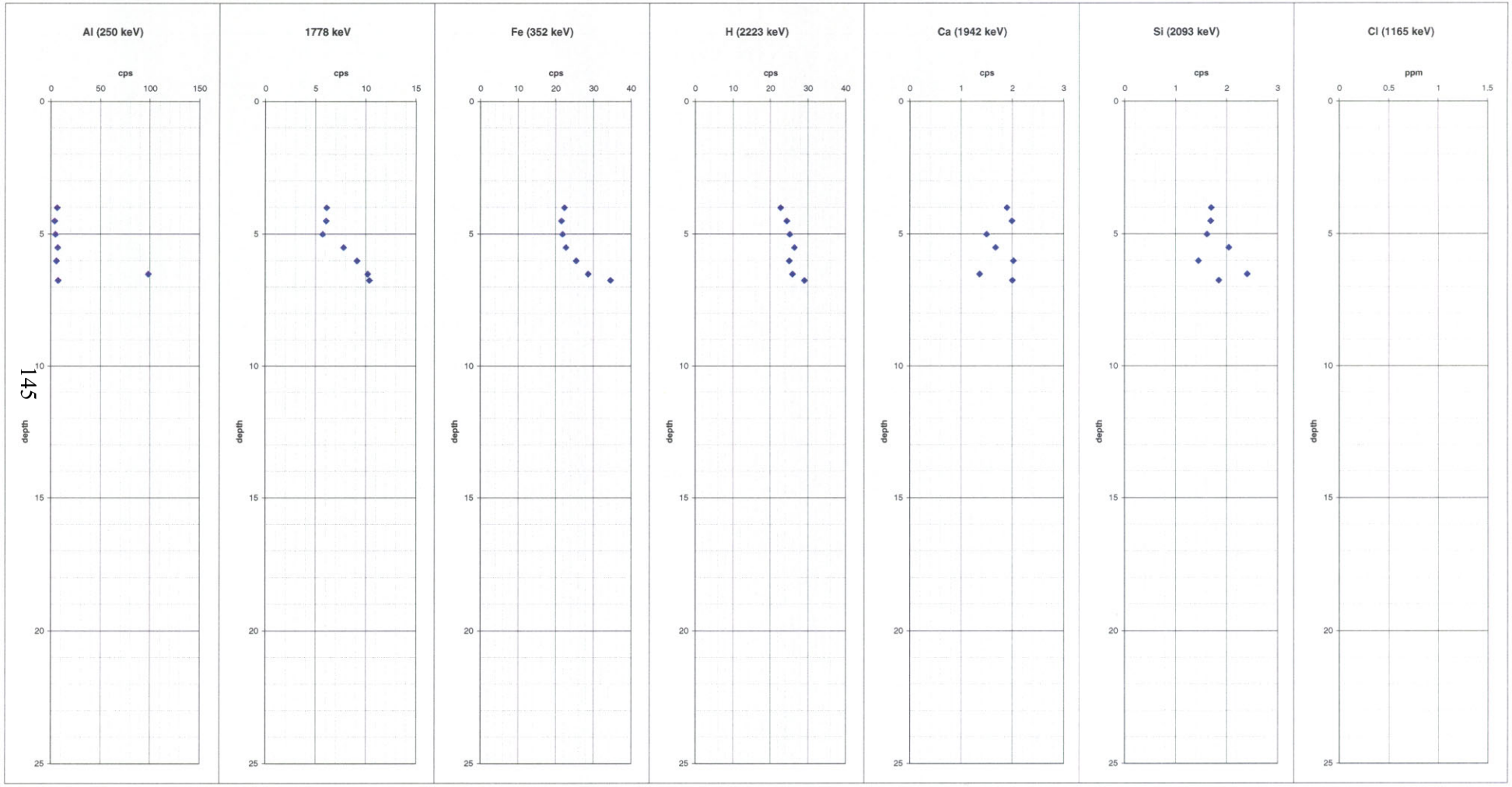
Neutron Log Response



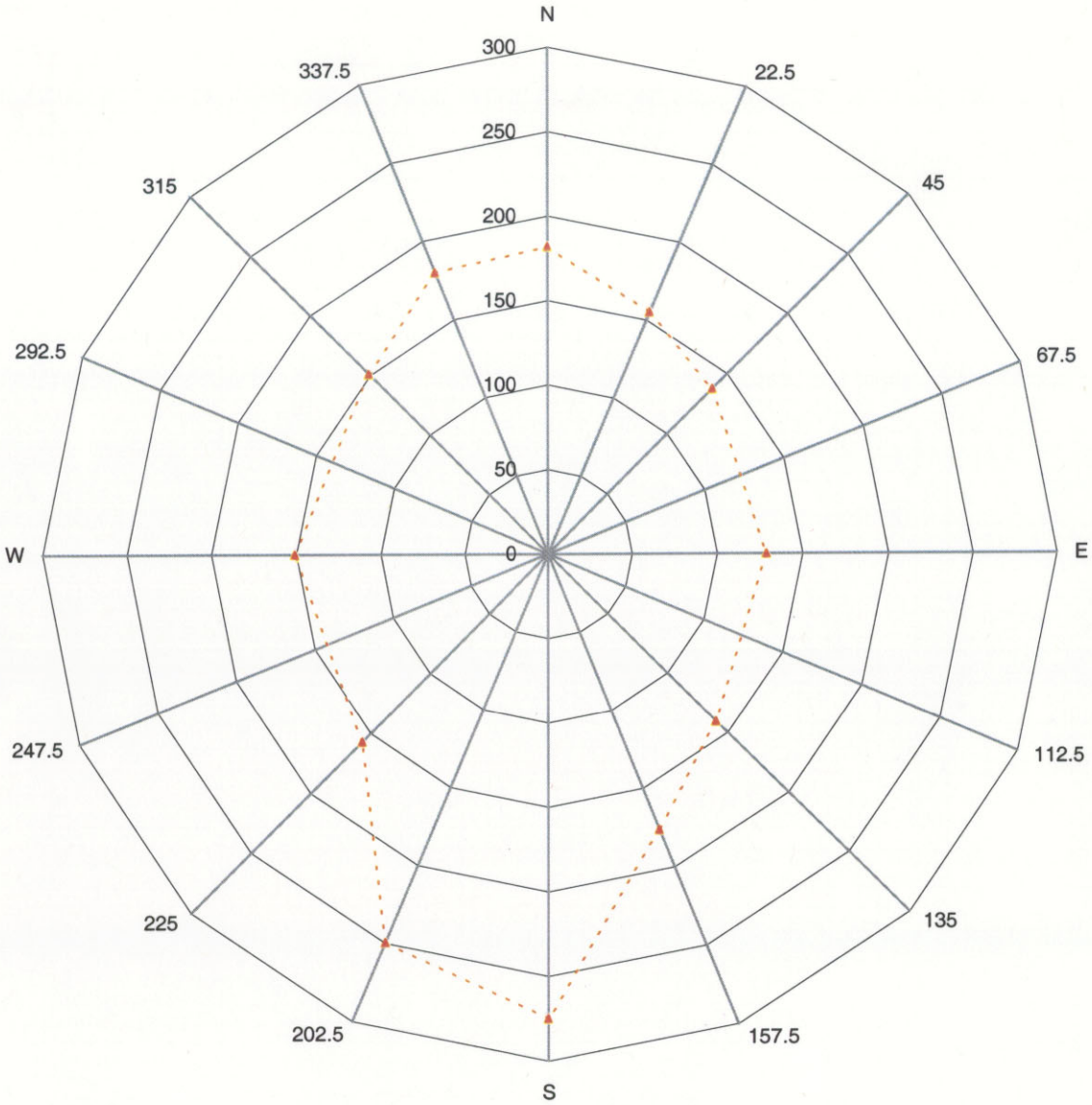

P6-PU-3
Passive Neutron Log
raw cps
0
50
100
0
5
10
15
20
25


P6-PU-3
total gamma
cps
total gamma
dead time
percent
dead time
manmade radionuclides
pCi/g
Am241 (0662)
Am241 (0722)
Eu154 (1274)
Pu239 (0375)
Np237 (0312)
U238p (1001)
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

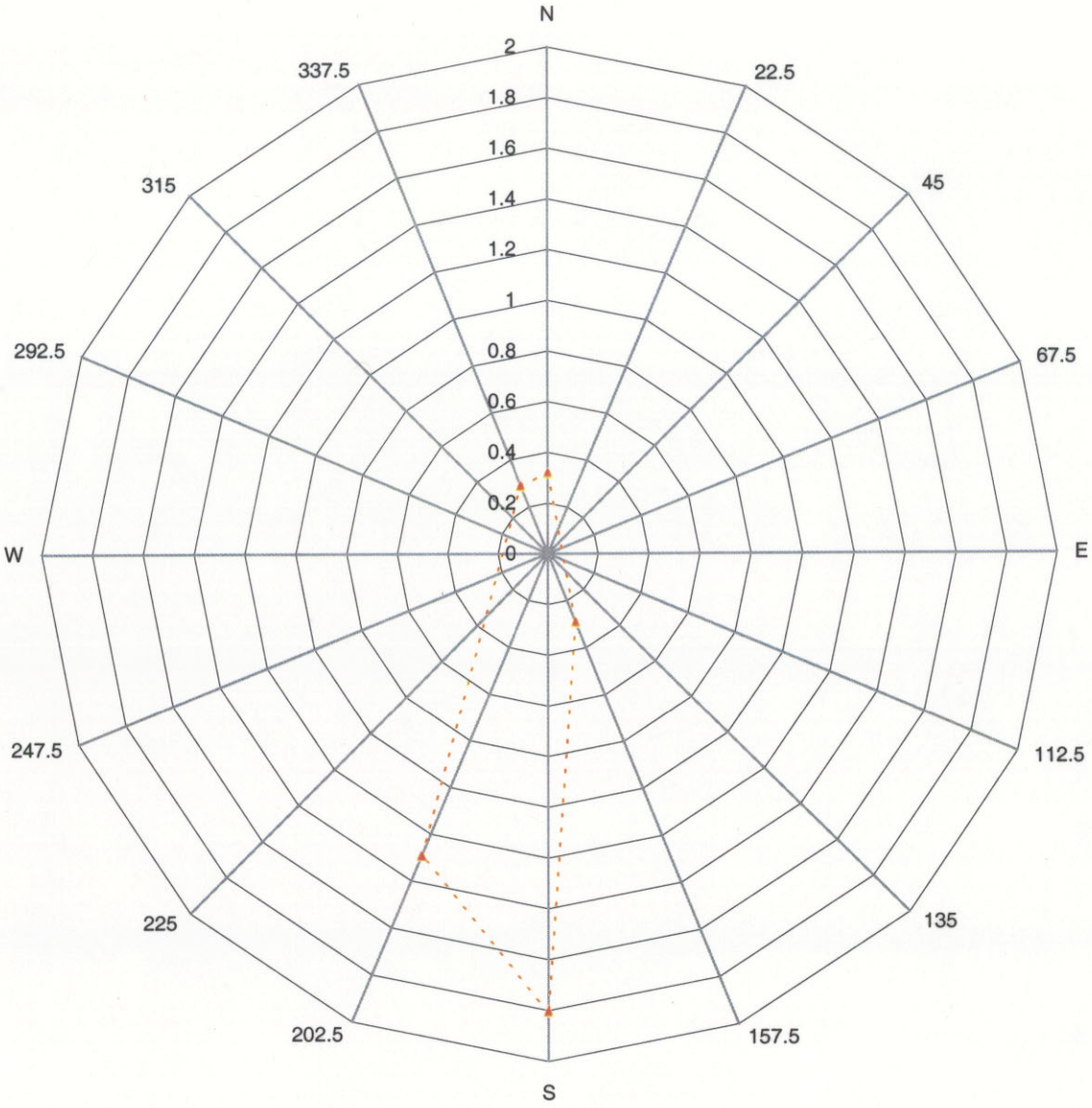
P6-PU-3


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

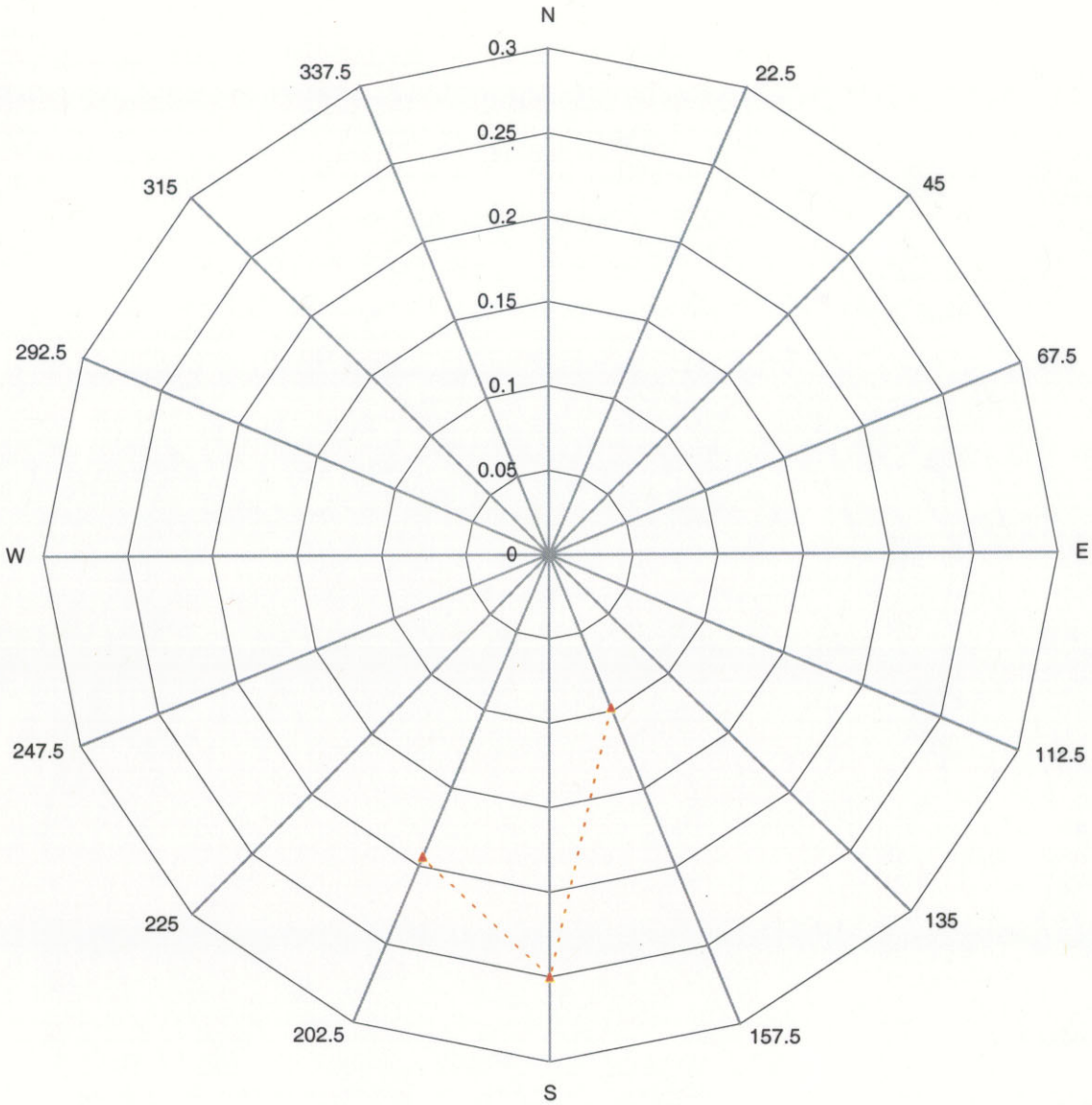
P6-PU-3 Total Gamma (7.74 ft)



P6-PU-3 Pu-239 (375 keV - 7.74 ftt)

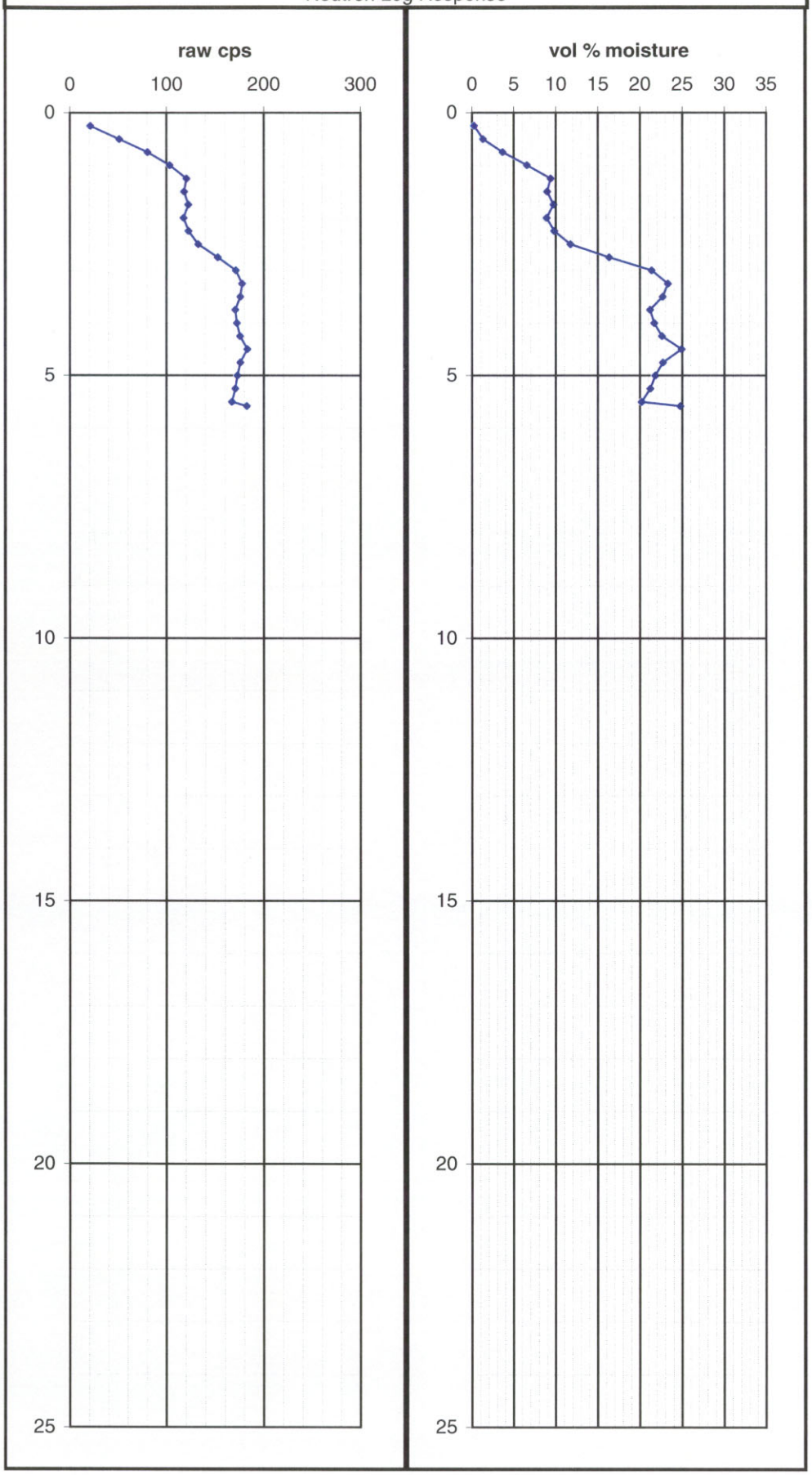


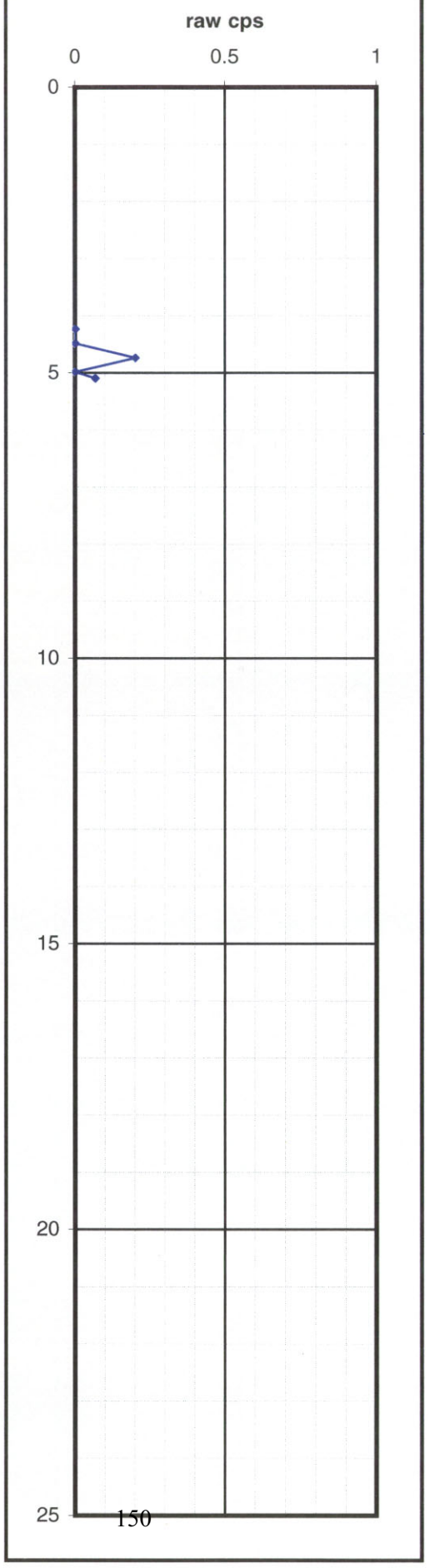
P6-PU-3 Np-237 (313 keV - 7.74 ftt)



P10-PU-1

Neutron Log Response



P10-PU-1

Passive Neutron Log