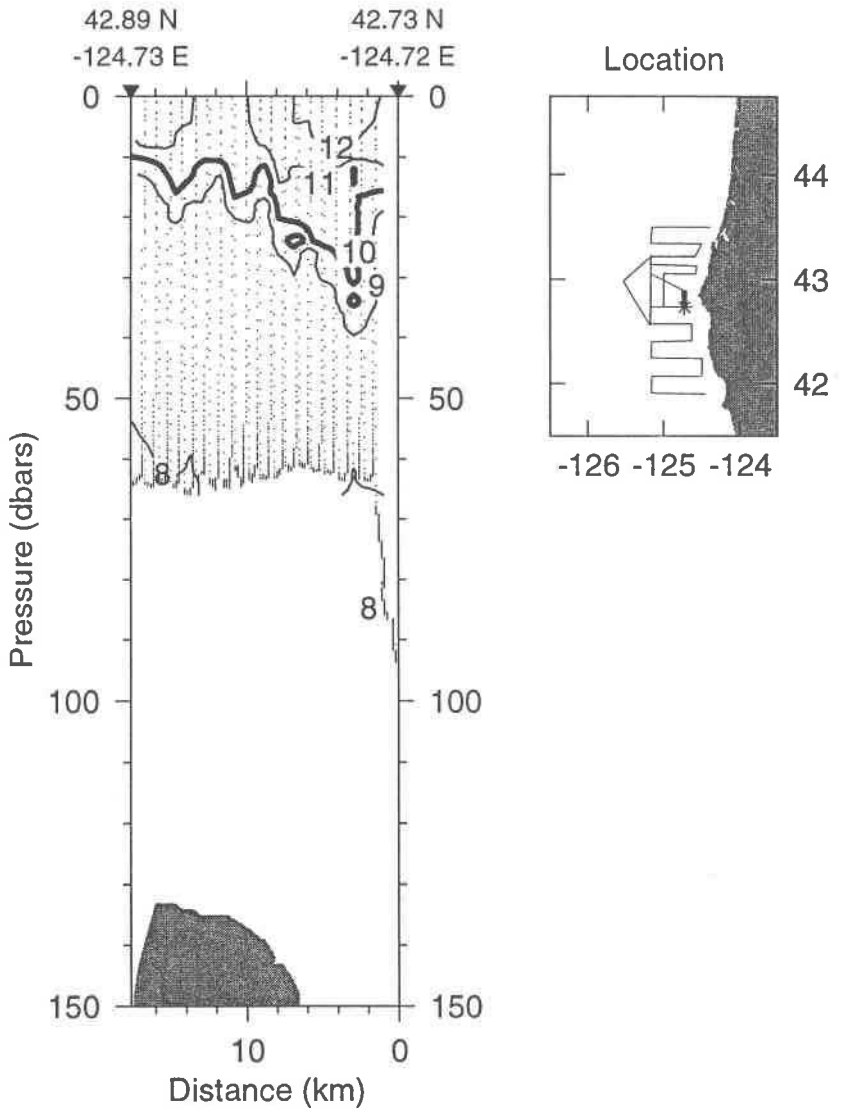
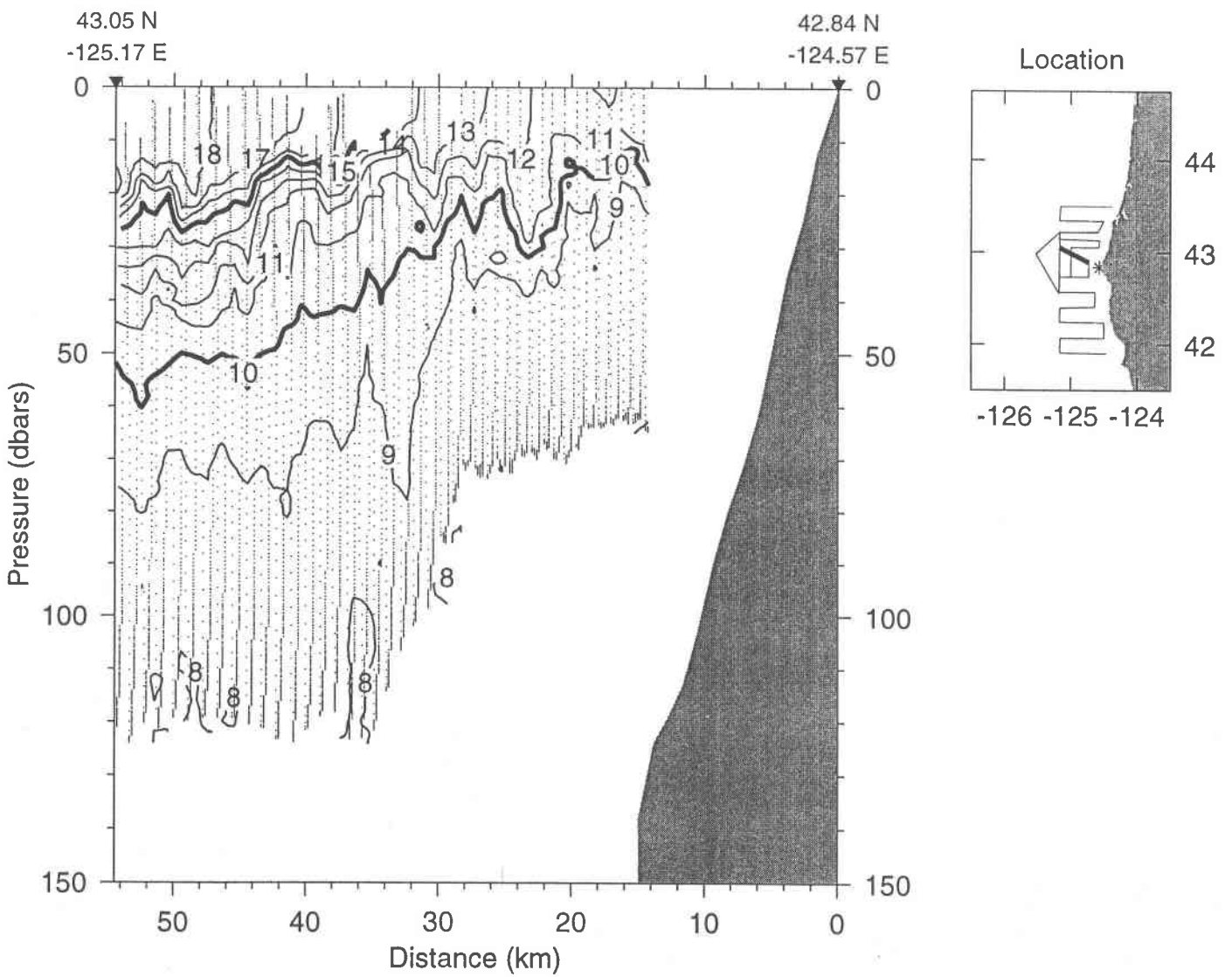
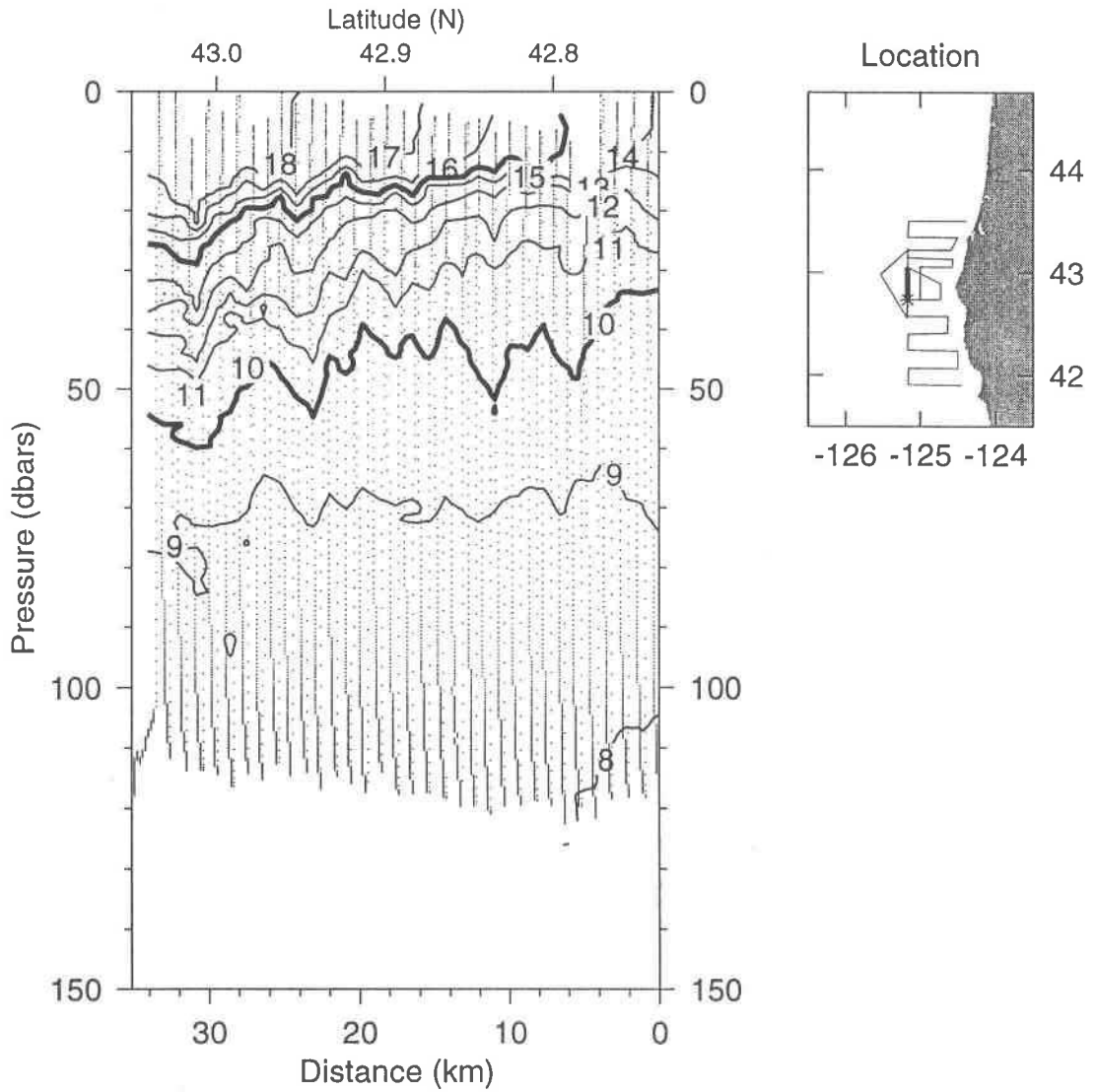
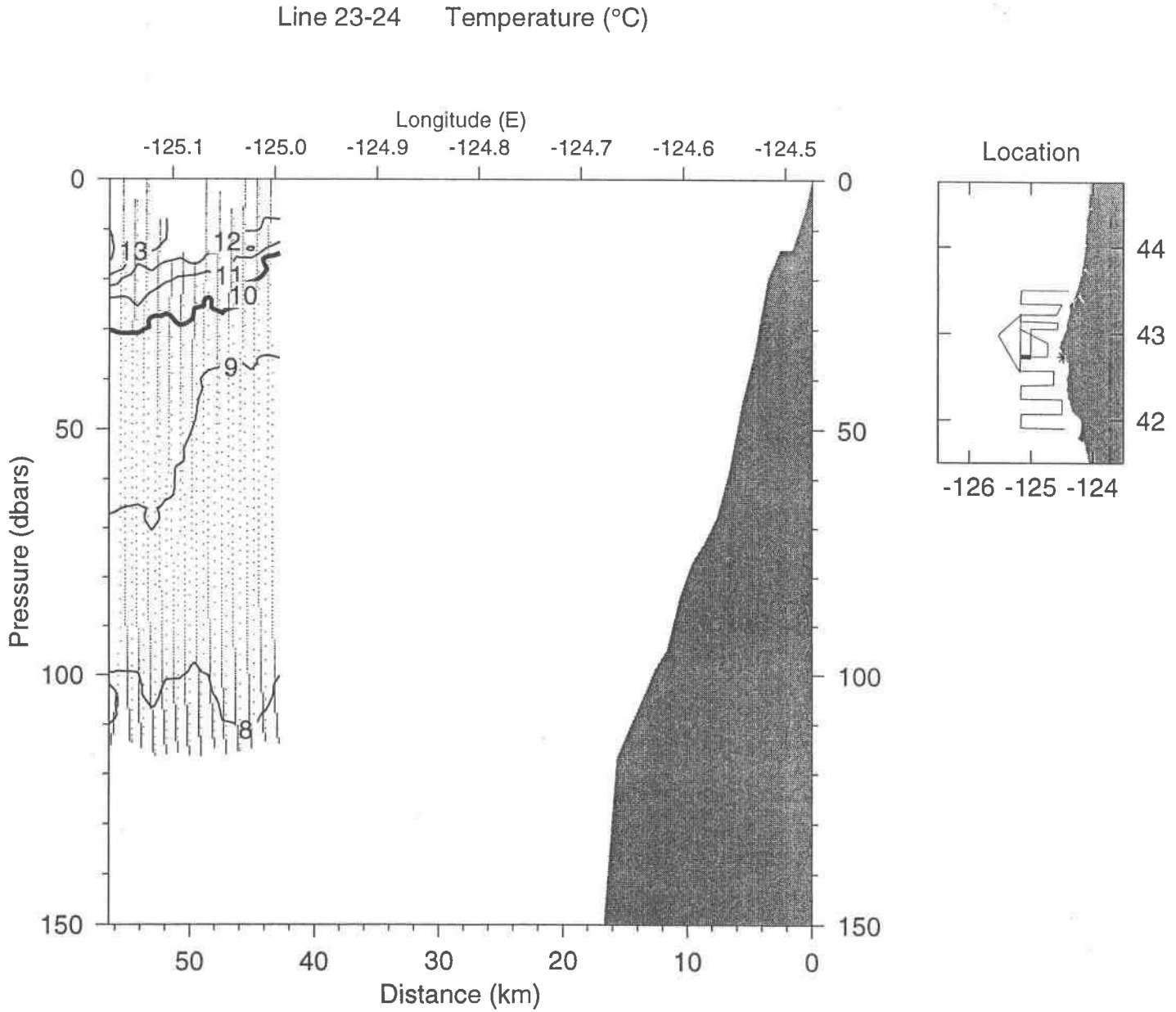
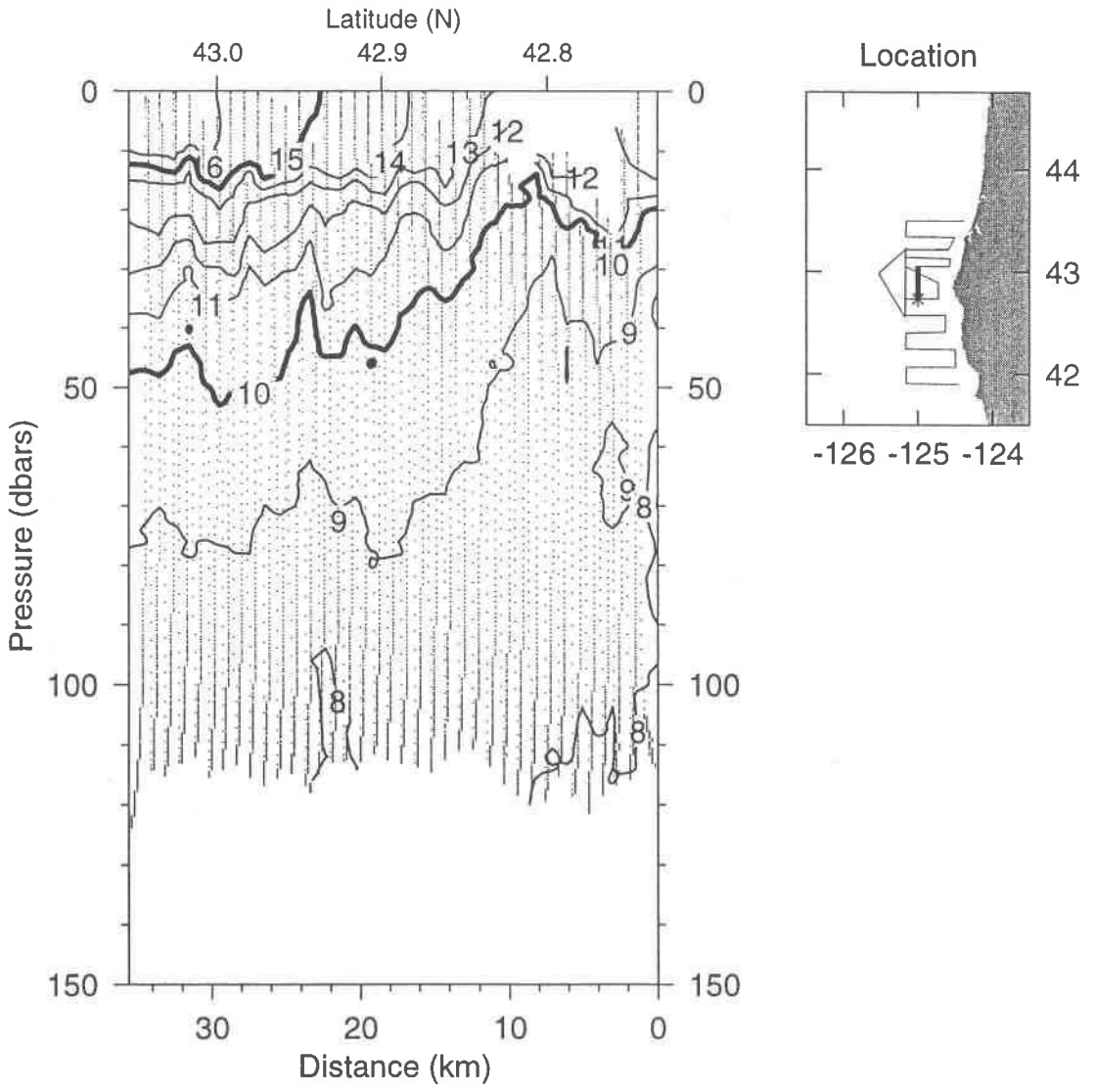
Line 21-22 Temperature (°C)

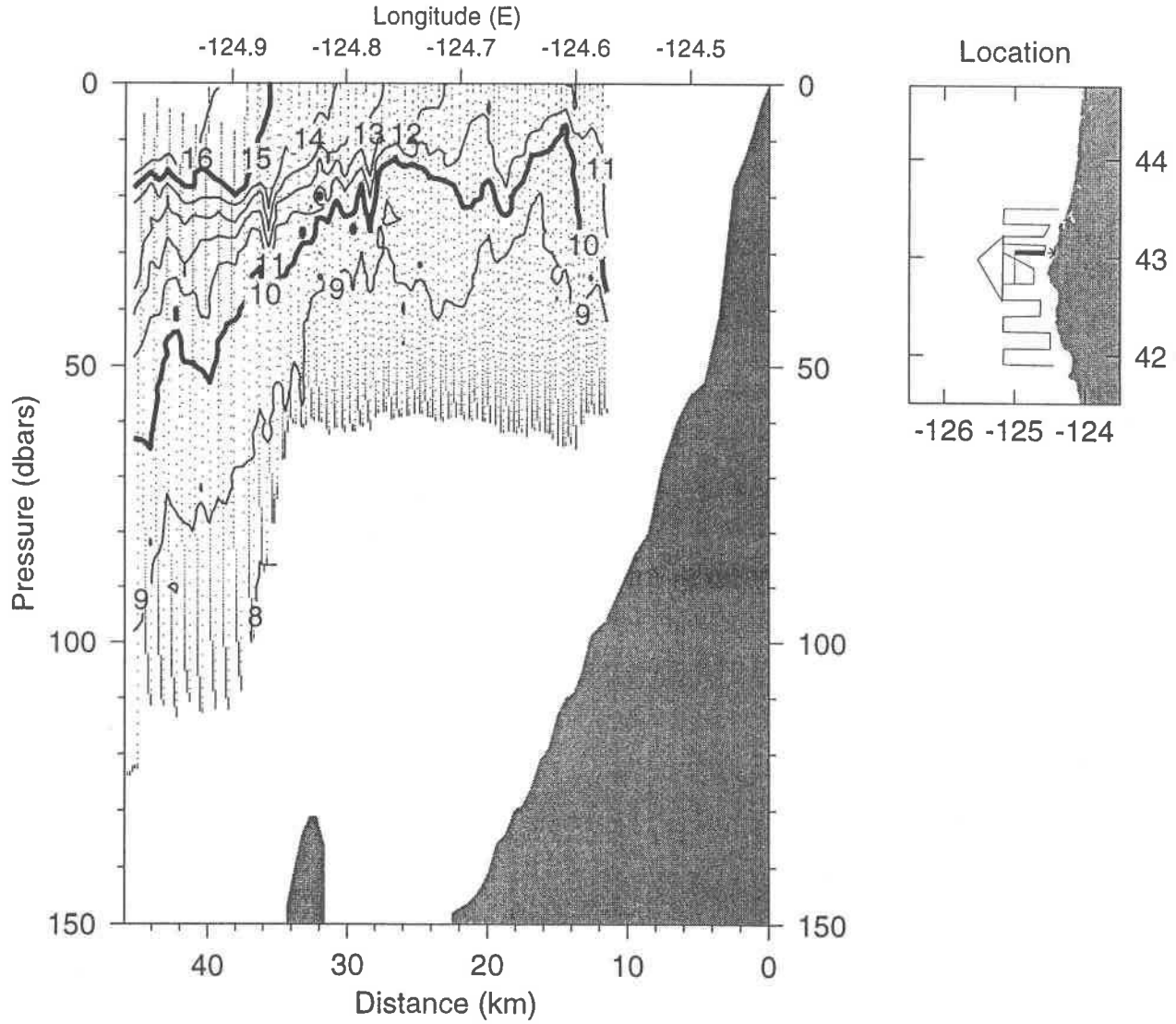



Line 22 Temperature (°C)
43.05 N
-125.17 E
42.84 N
-124.57 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
-126 -125 -124
44
43
42
18
17
16
15
14
13
12
11
10
9
8

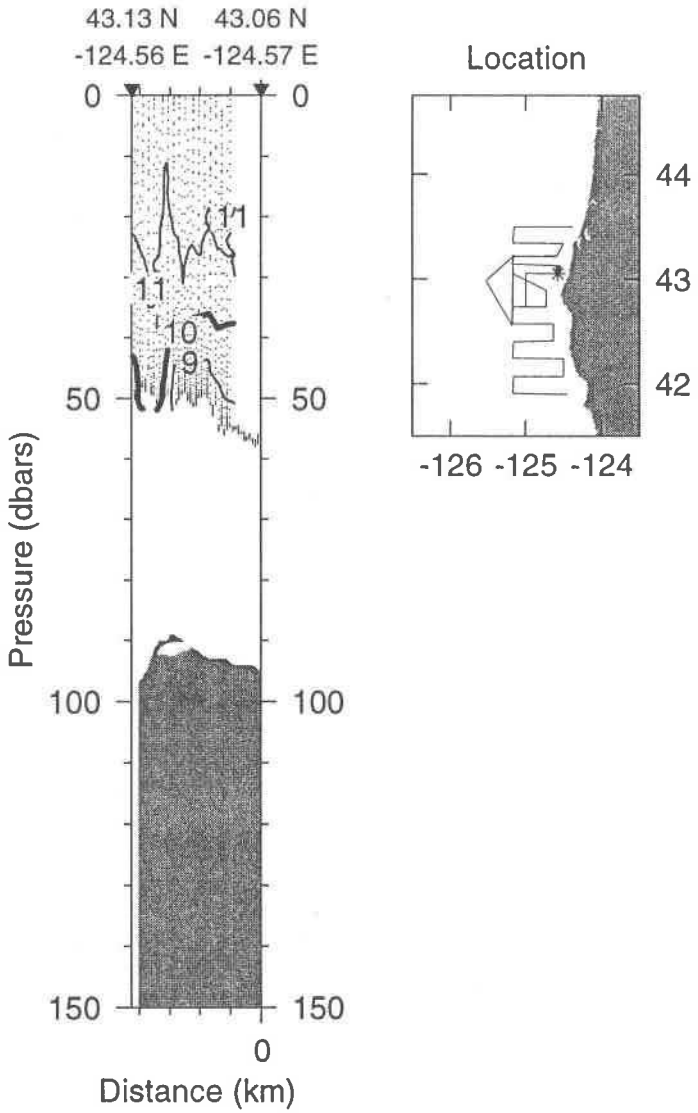

Line 23 Temperature (°C)
Latitude (N)
43.0
42.9
42.8
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
Distance (km)
30
20
10
0
18
17
16
15
14
12
11
10
9
8

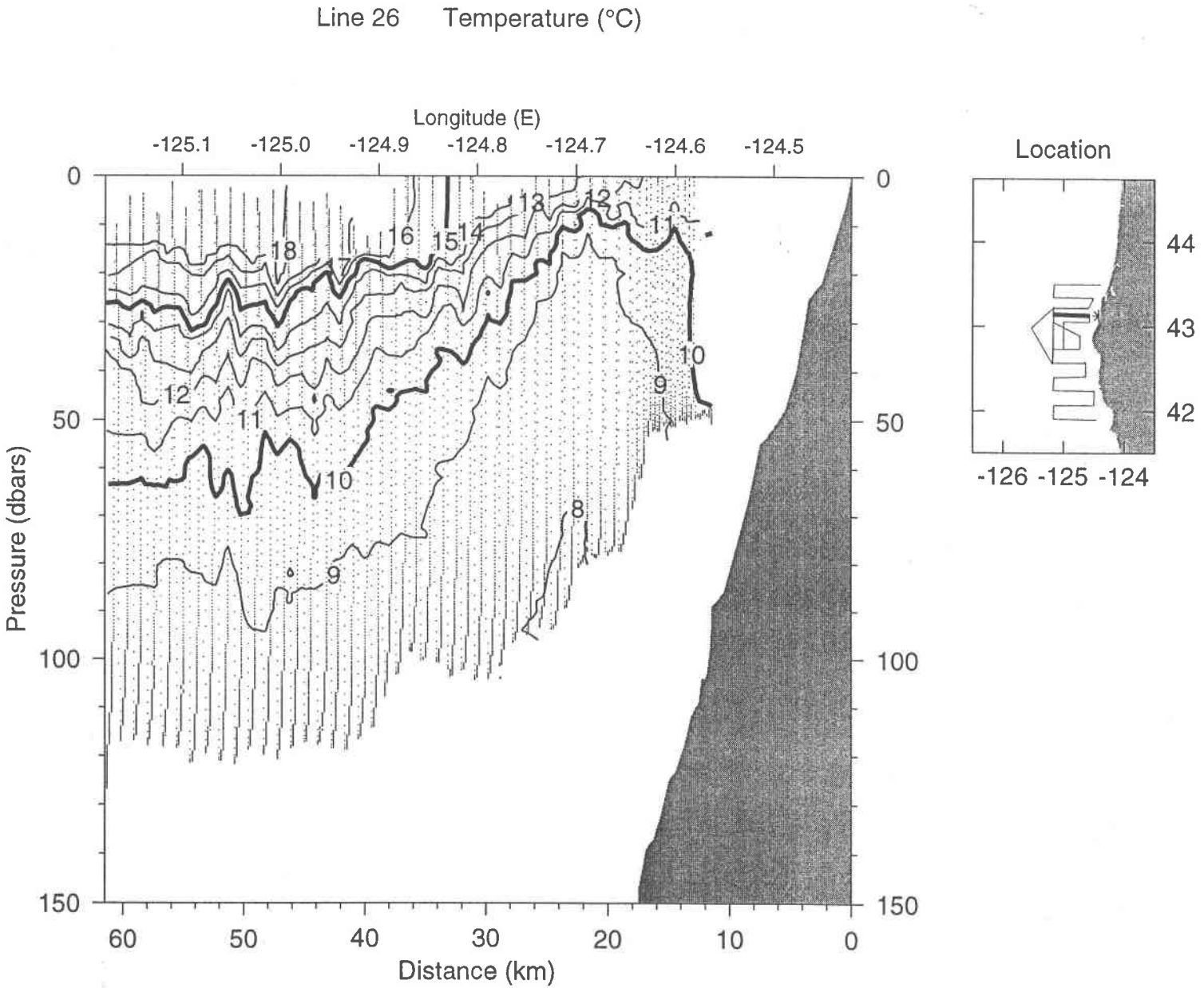

Line 23-24 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
0
50
100
150
13
12
11
10
9
8
Pressure (dbars)
50
40
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124


Line 24 Temperature (°C)
Latitude (N)
43.0
42.9
42.8
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
30
20
10
0
Distance (km)
16
15
14
13
12
12
10
11
10
9
9
8
8
8

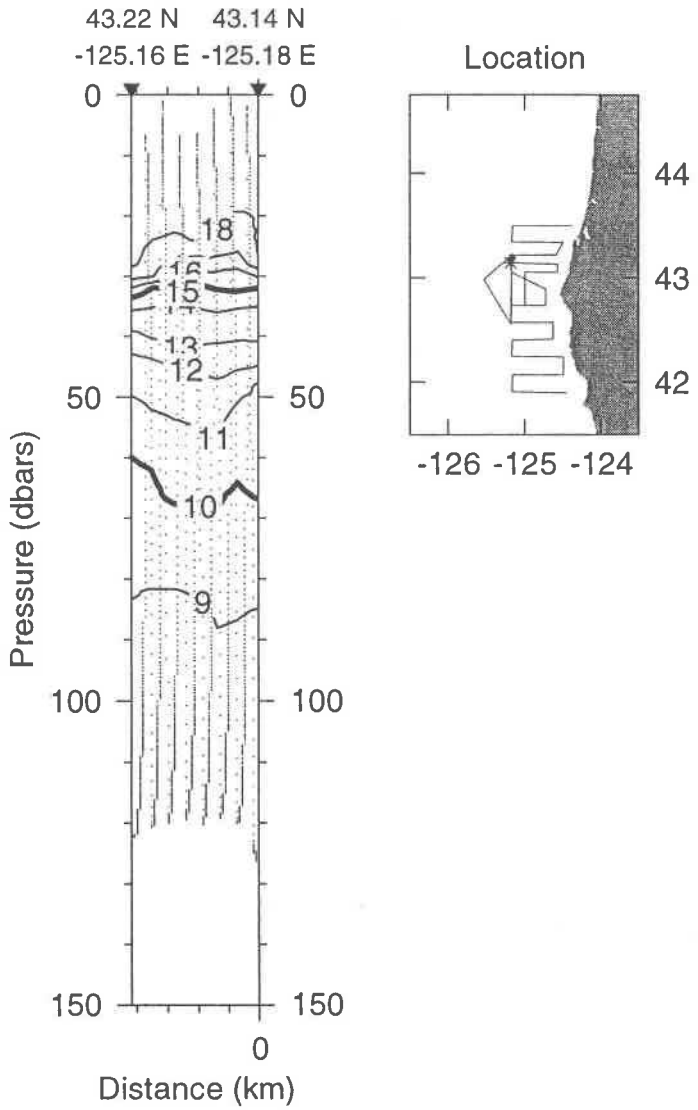

Line 25 Temperature (°C)
Longitude (E)
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
40
30
20
10
0
16
15
14
13
12
11
10
9
8
Location
44
43
42
-126
-125
-124

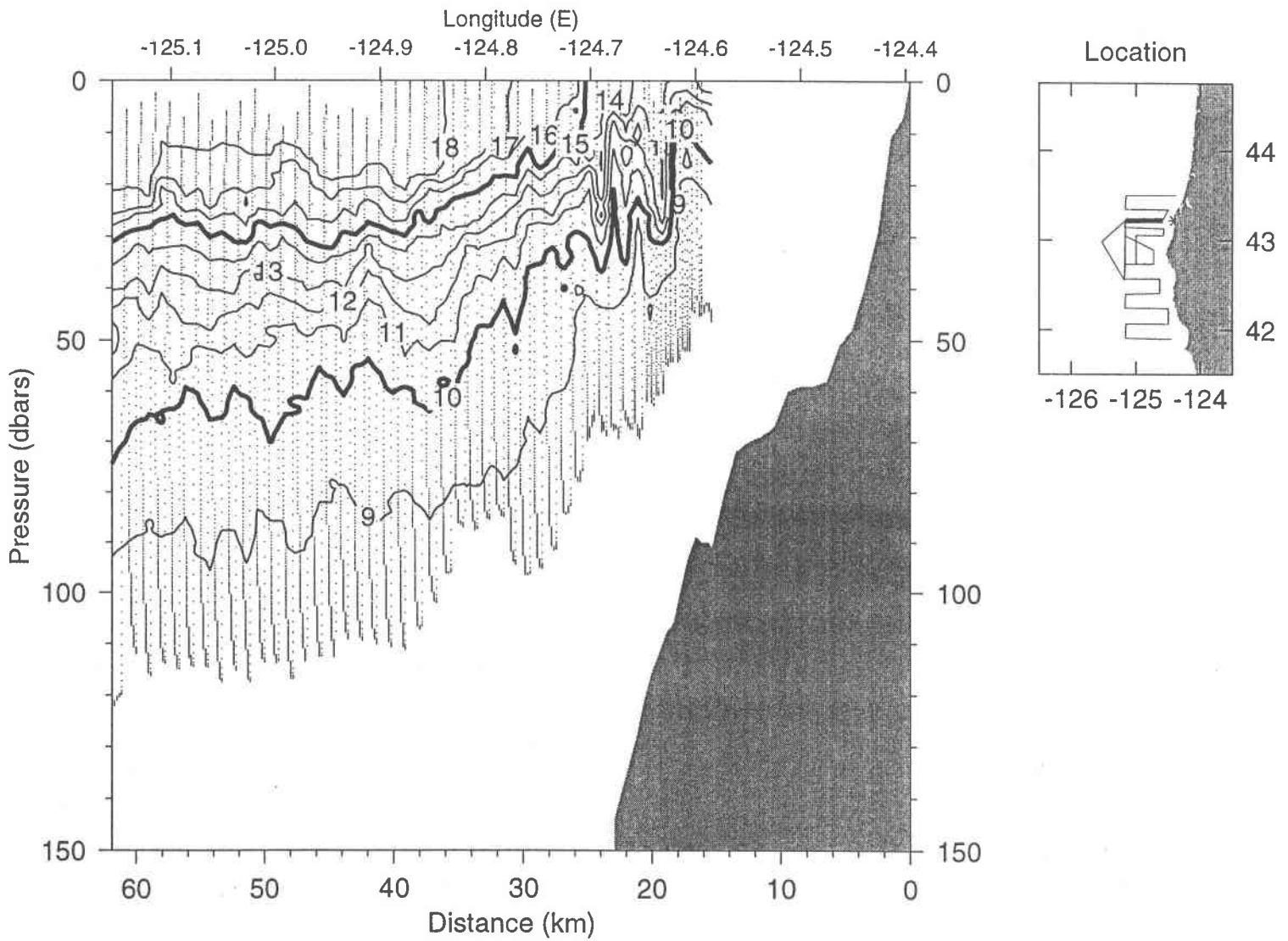
Line 25-26 Temperature (°C)



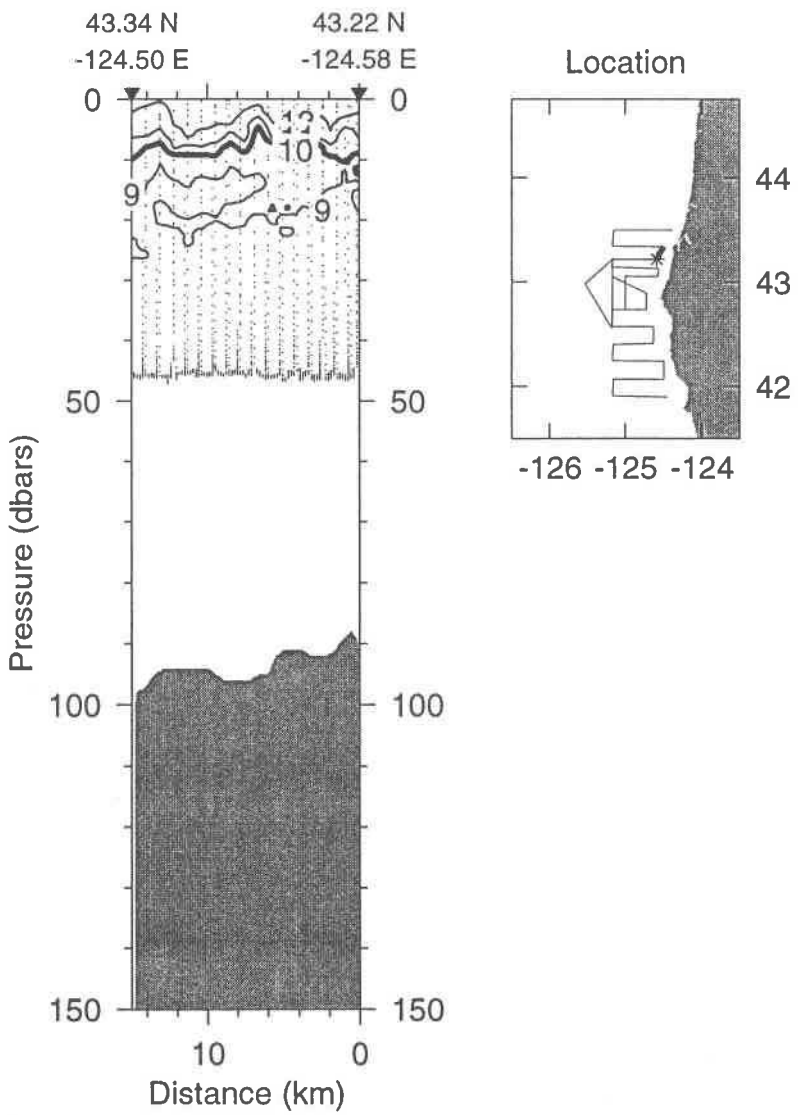

Line 26 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
18
16
15
14
13
12
11
10
9
8
Location
44
43
42
-126 -125 -124

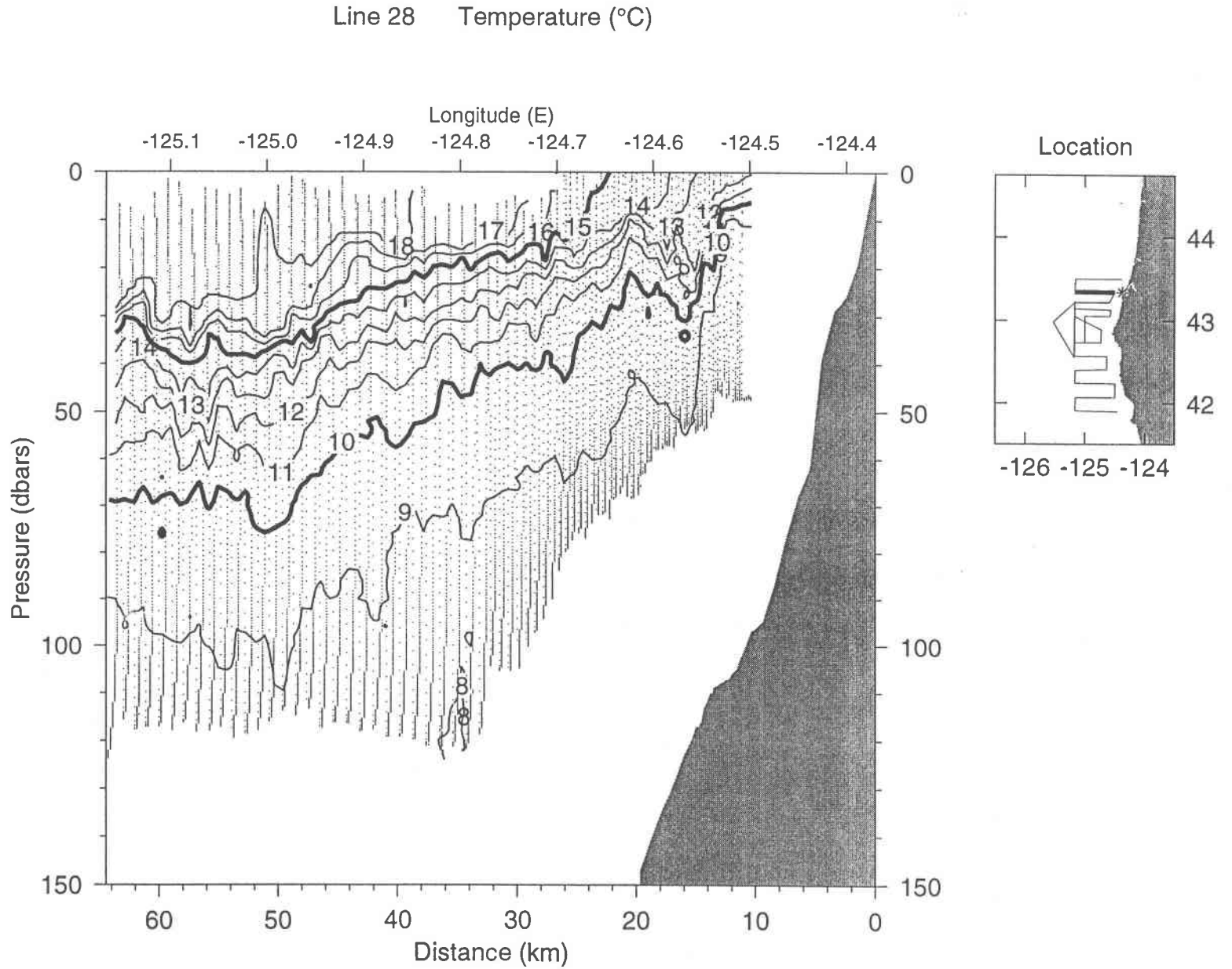
Line 26-27 Temperature (°C)



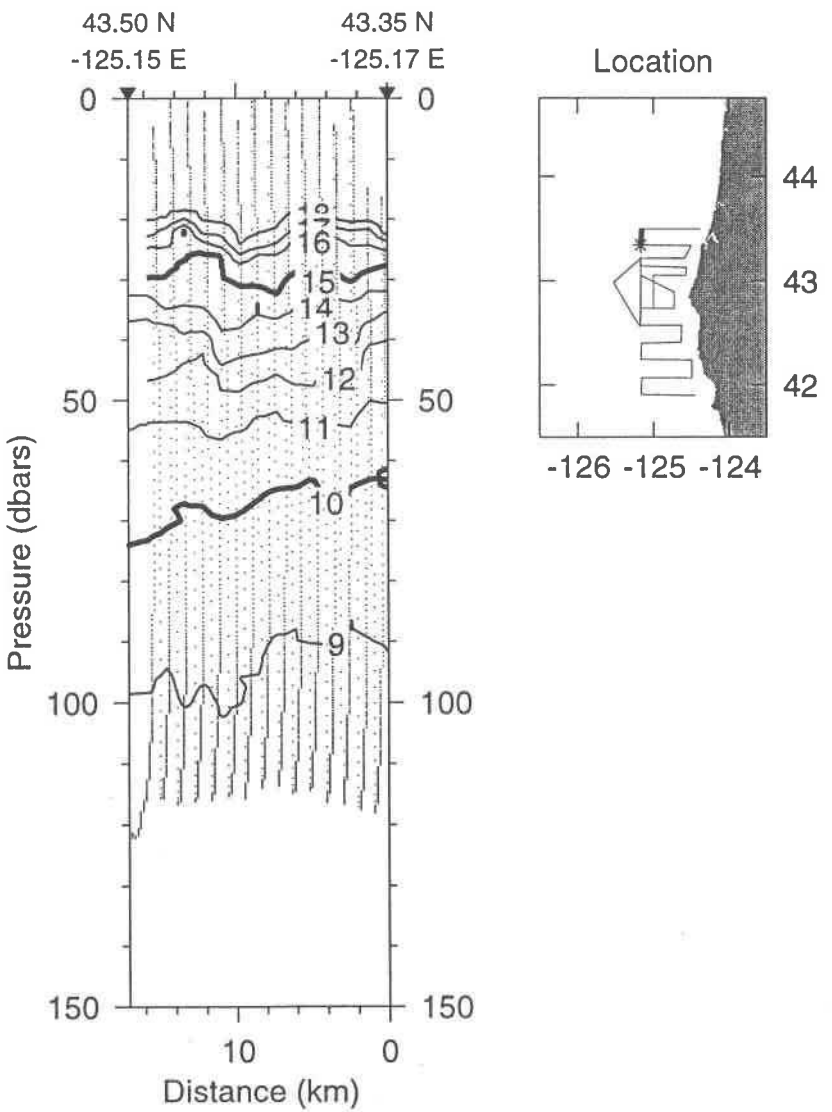

Line 27 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
18
17
16
15
14
13
12
11
10
9
Location
44
43
42
-126 -125 -124

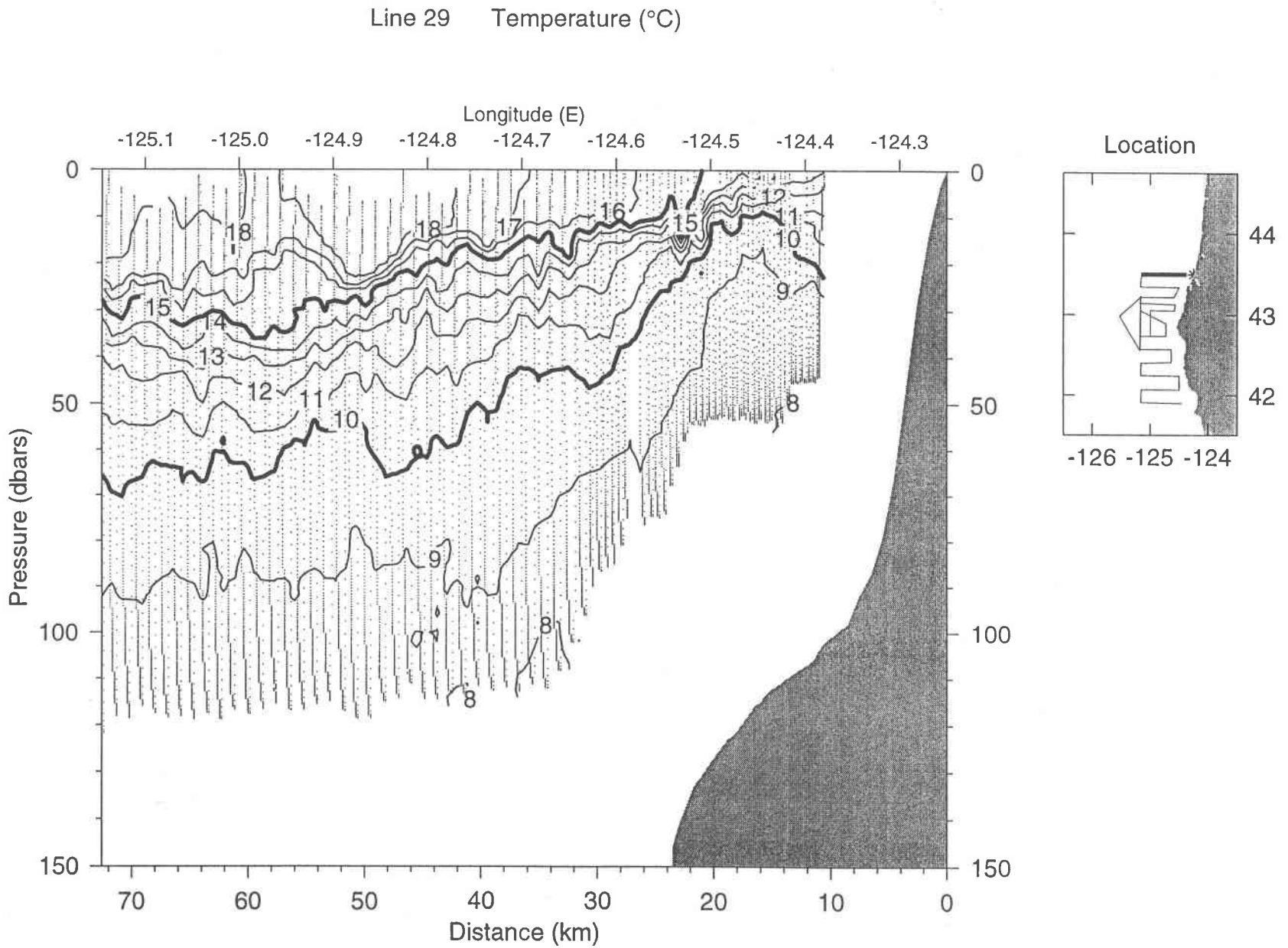
Line 27-28 Temperature (°C)

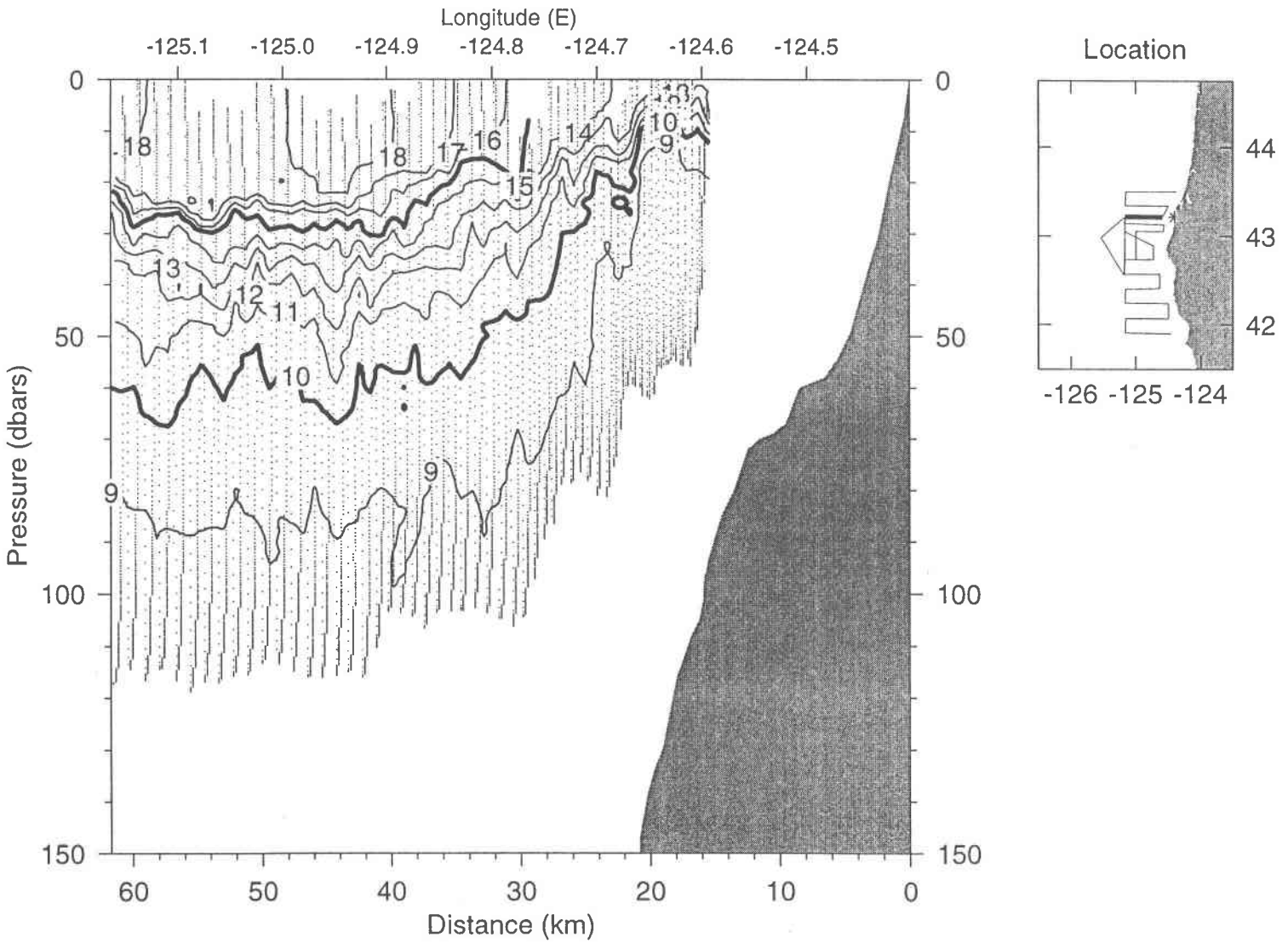



Line 28 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

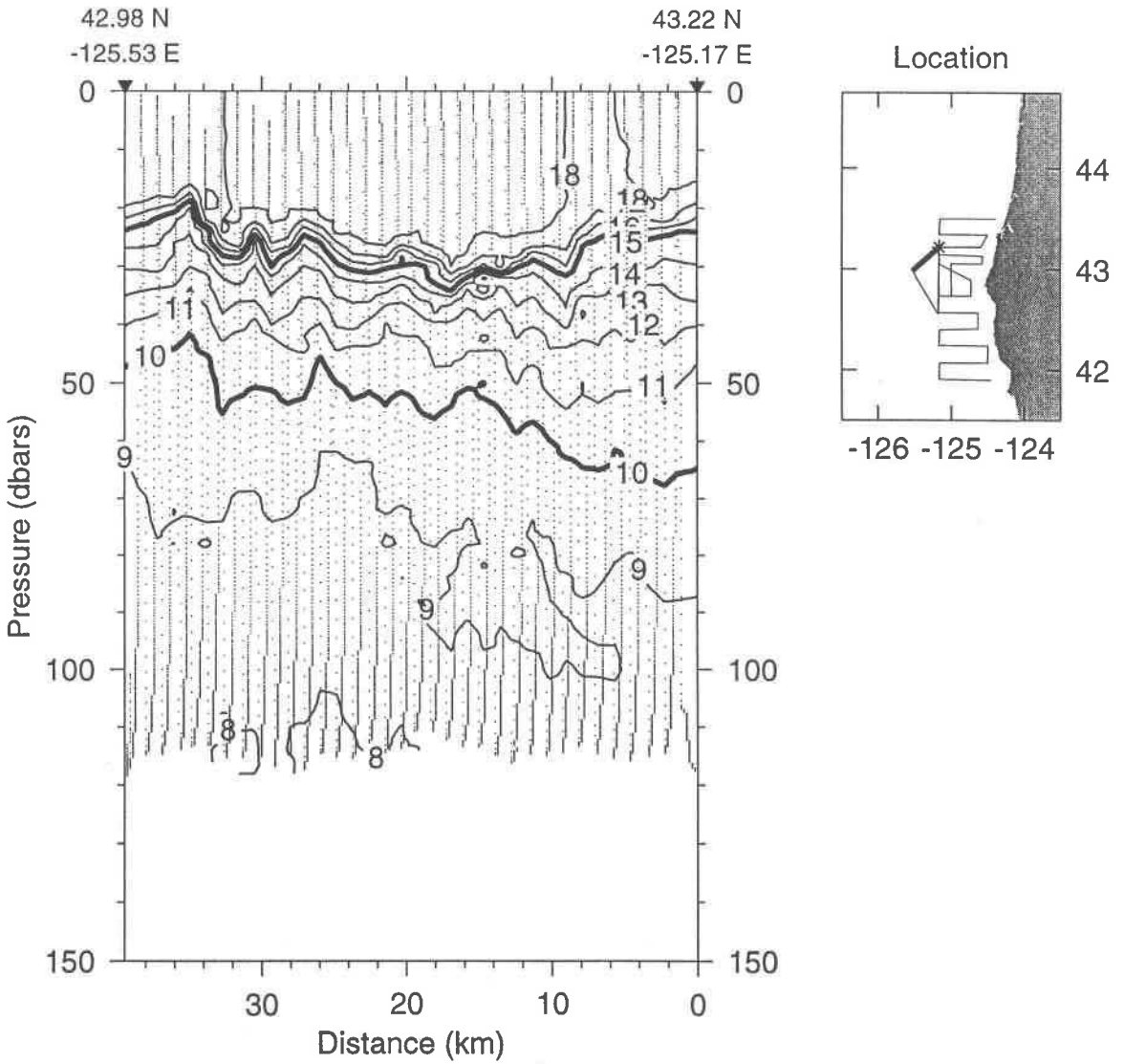
Line 28-29 Temperature (°C)

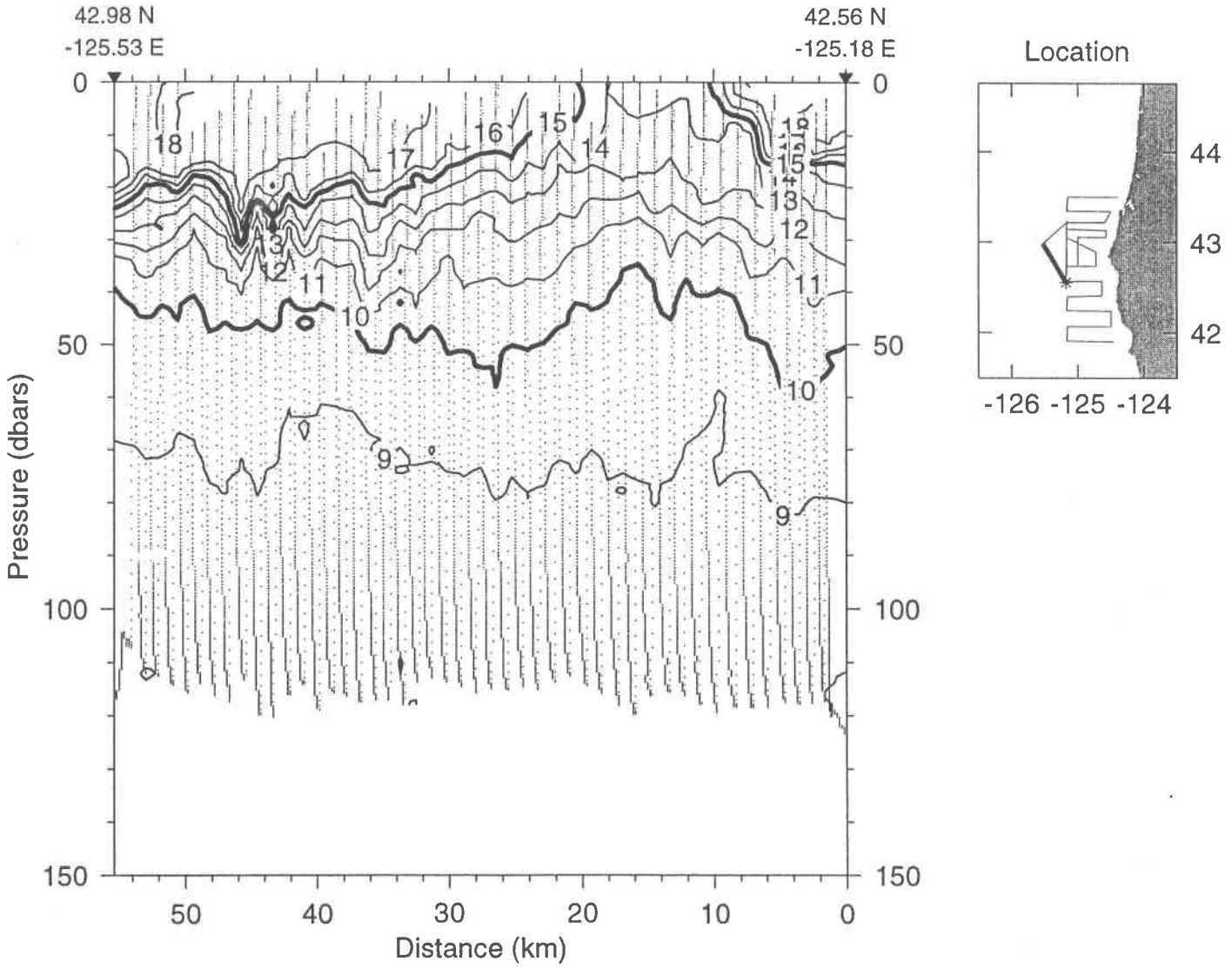


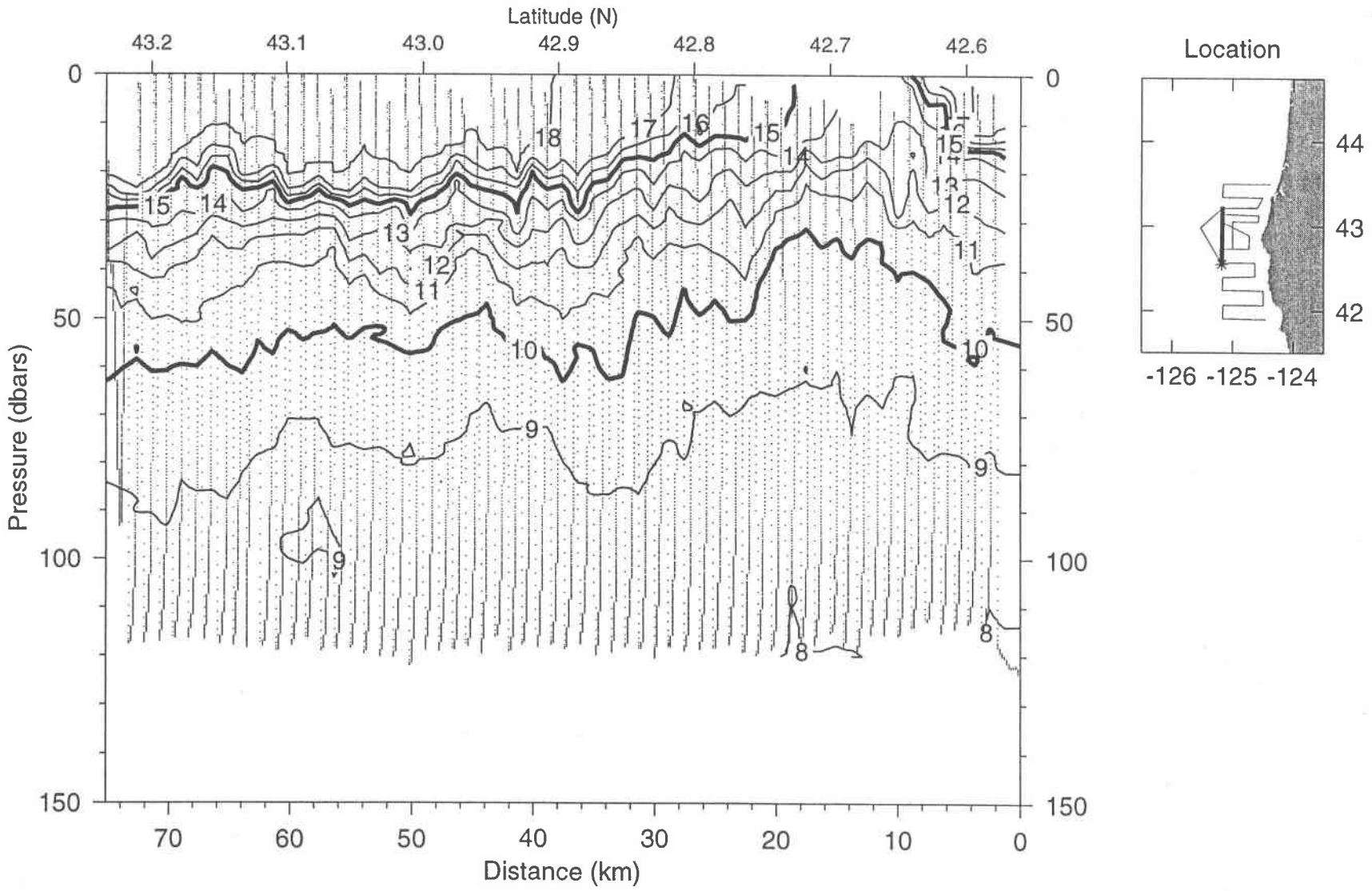

Line 29 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
-124.3
Pressure (dbars)
0
50
100
150
Distance (km)
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

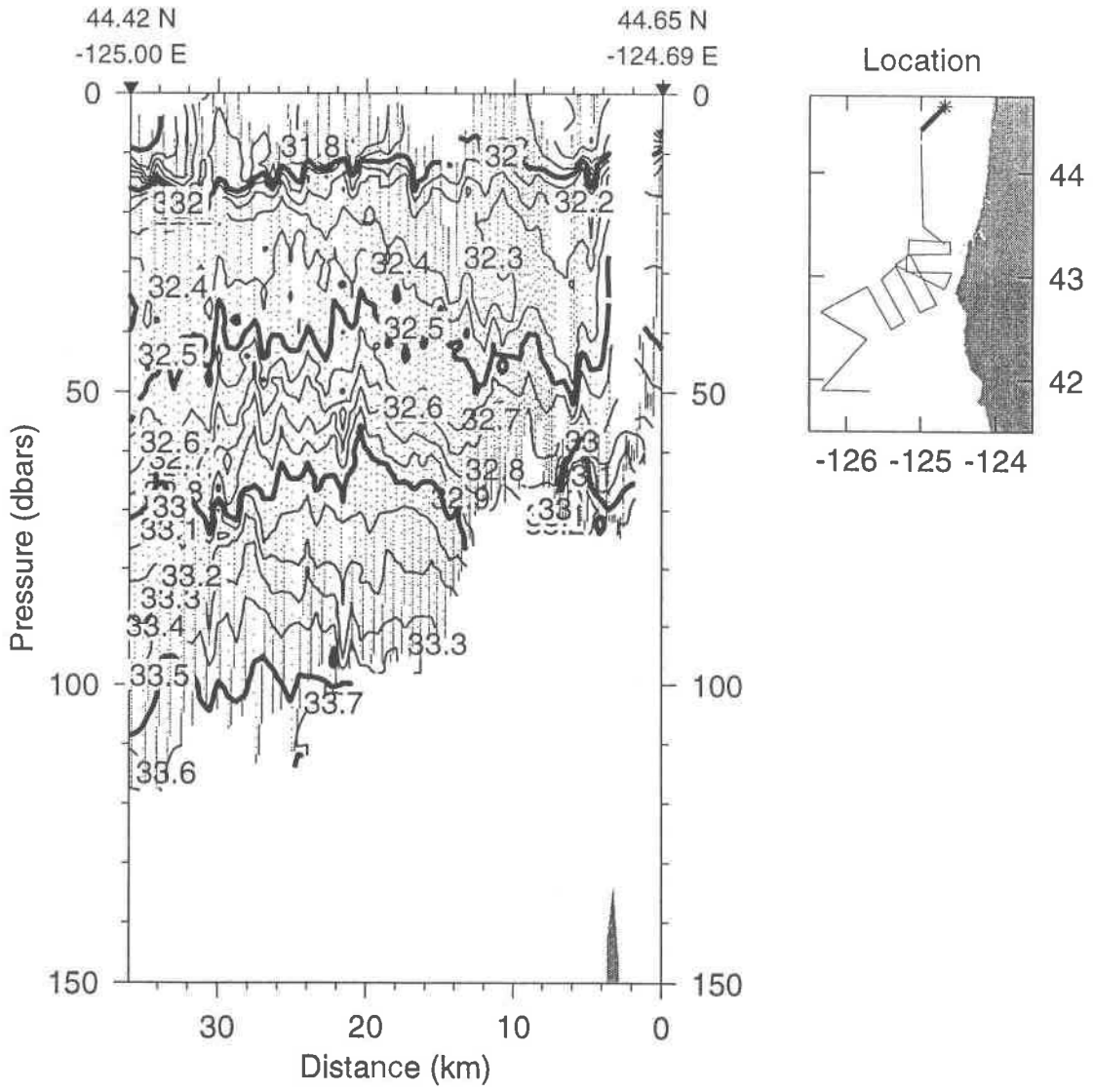

Line 30 Temperature (°C)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

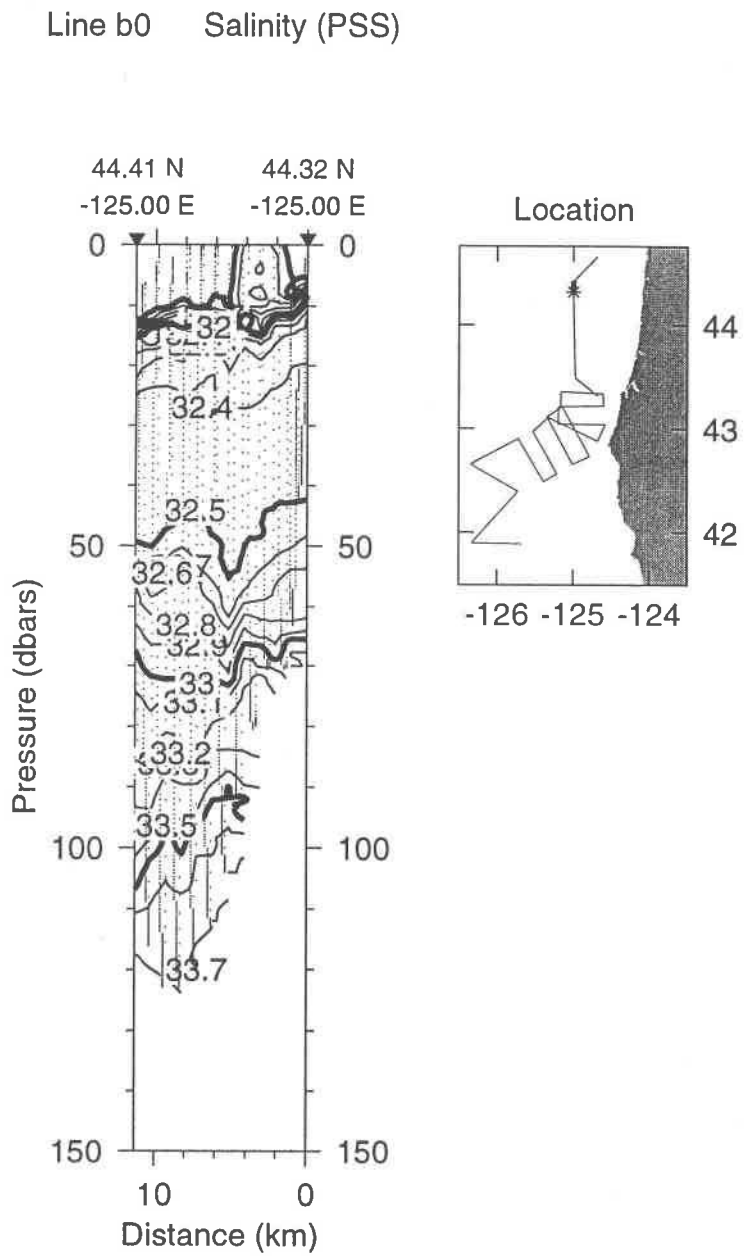
Line 31 Temperature (°C)

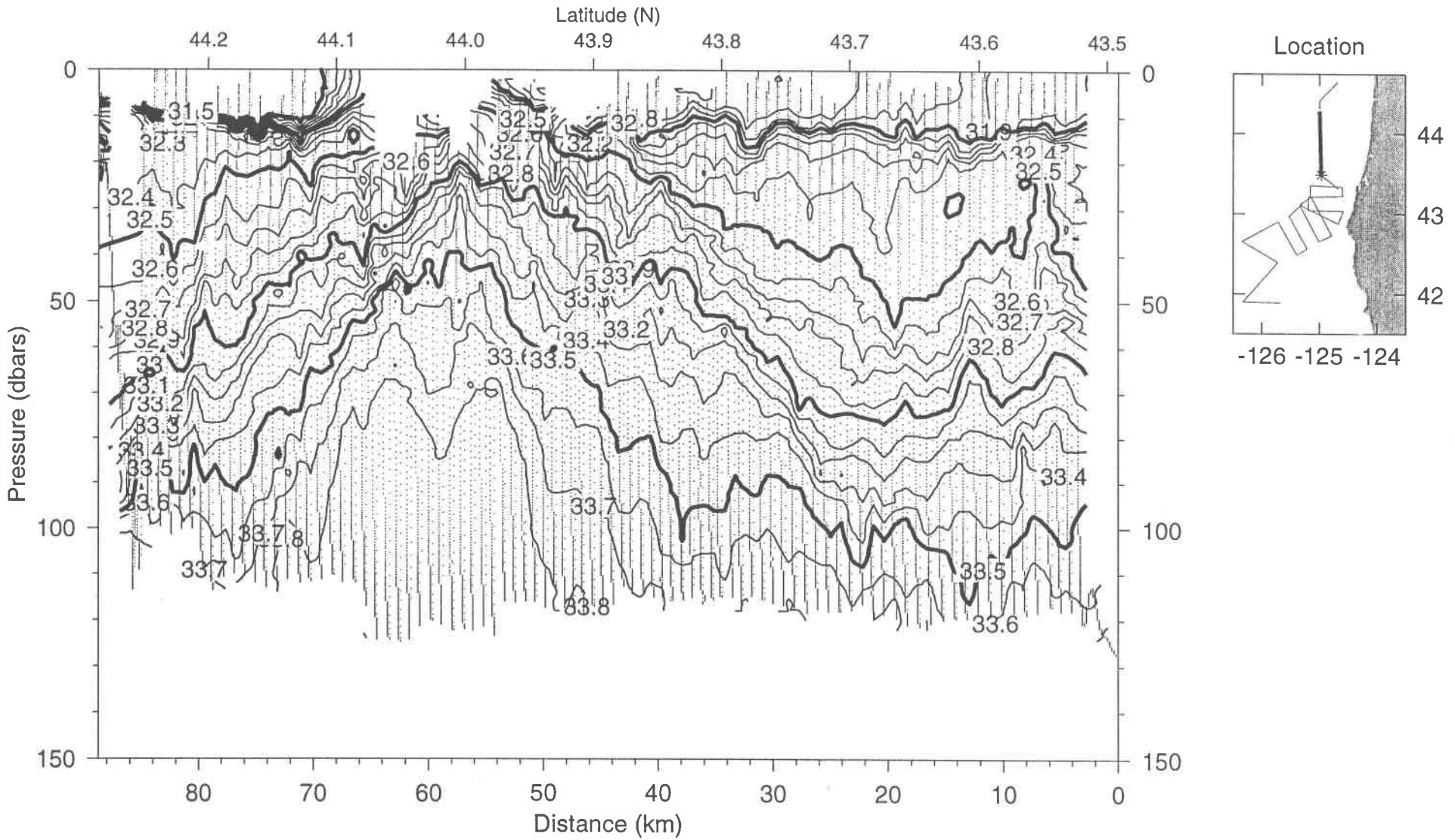



Line 32 Temperature (°C)
42.98 N
-125.53 E
42.56 N
-125.18 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
-126 -125 -124
44
43
42
18
17
16
15
14
13
12
11
10
9

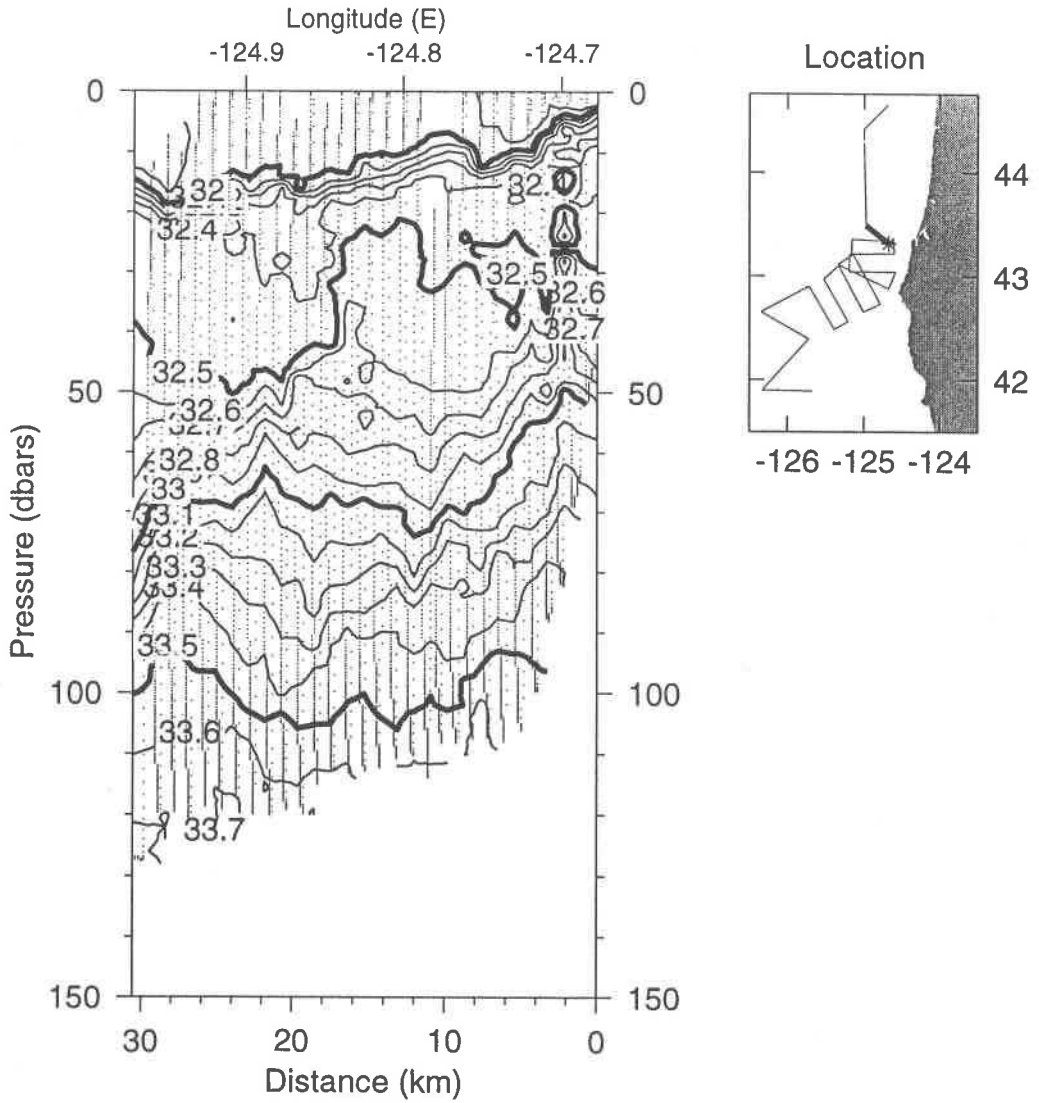

Line 33 Temperature (°C)
Latitude (N)
43.2
43.1
43.0
42.9
42.8
42.7
42.6
Pressure (dbars)
0
50
100
150
Distance (km)
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124


Line a Salinity (PSS)
44.42 N
-125.00 E
44.65 N
-124.69 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
30
20
10
0
44
43
42
-126 -125 -124
31.8
32
32.2
32.4
32.3
32.5
32.6
32.7
32.8
33
33.1
33.2
33.3
33.4
33.5
33.7
33.6

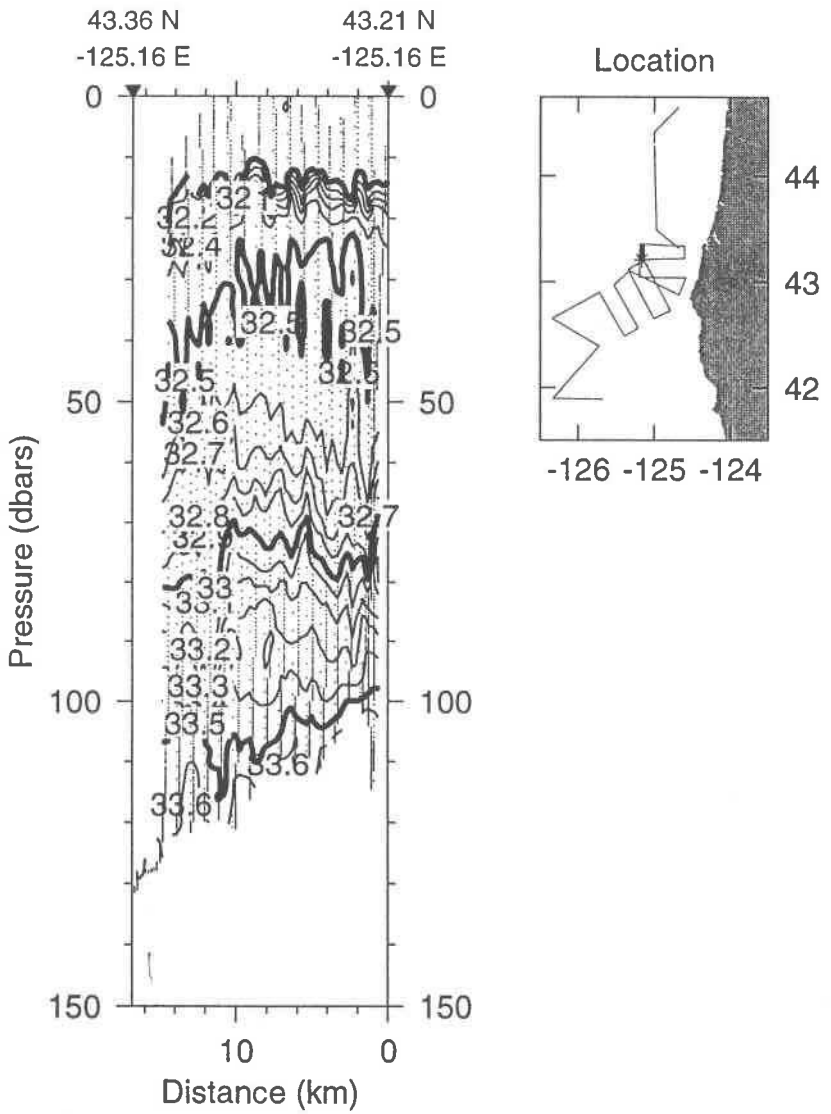

Line b0 Salinity (PSS)
44.41 N
-125.00 E
44.32 N
-125.00 E
Location
0
50
100
150
32
32.4
32.5
32.6
32.8
32.9
33
33.1
33.2
33.5
33.7
Pressure (dbars)
10
0
Distance (km)
44
43
42
-126 -125 -124

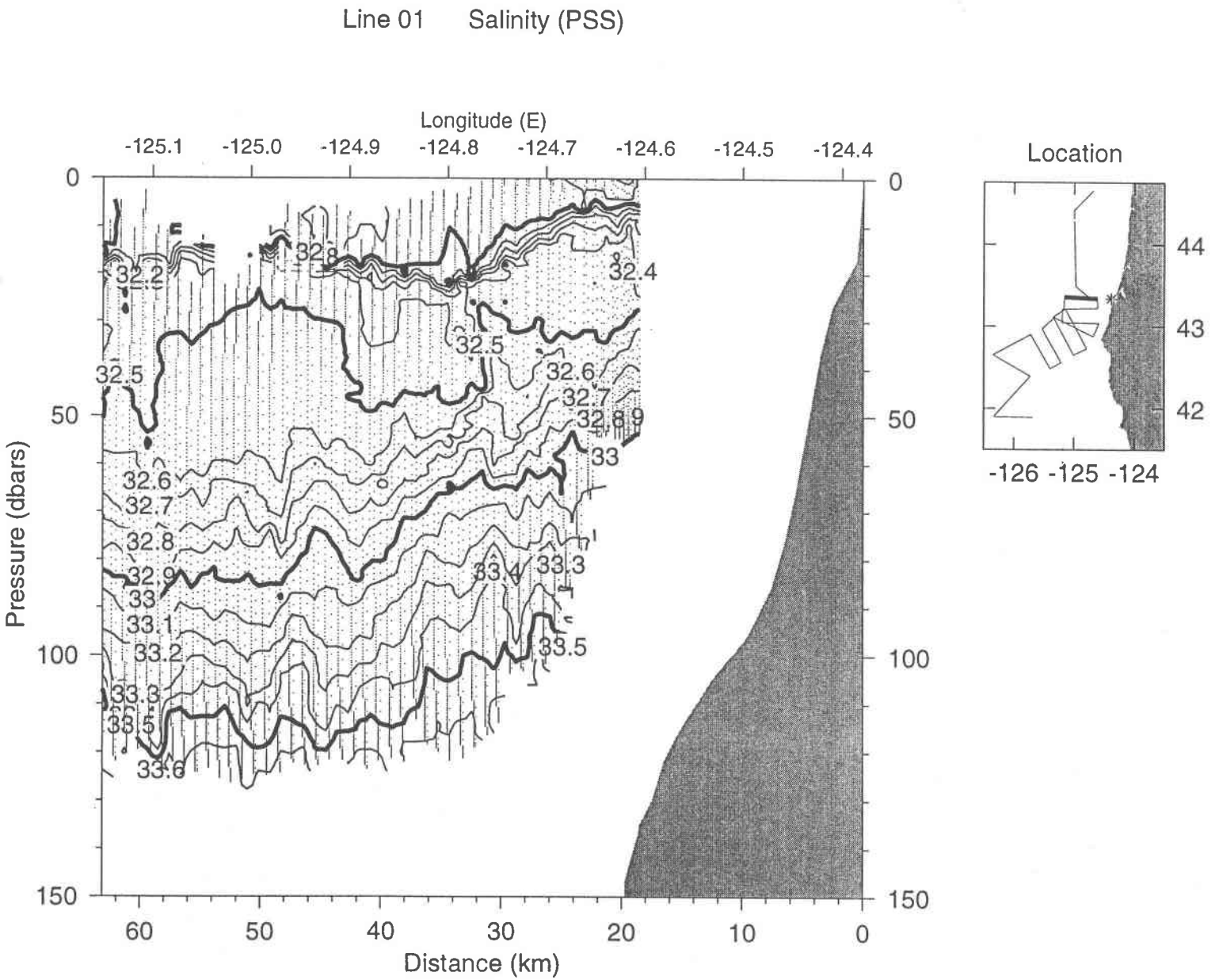

Line b Salinity (PSS)
Latitude (N)
44.2
44.1
44.0
43.9
43.8
43.7
43.6
43.5
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
Distance (km)
80
70
60
50
40
30
20
10
0
31.5
32.5
32.6
32.8
32.4
32.7
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8

Line c Salinity (PSS)

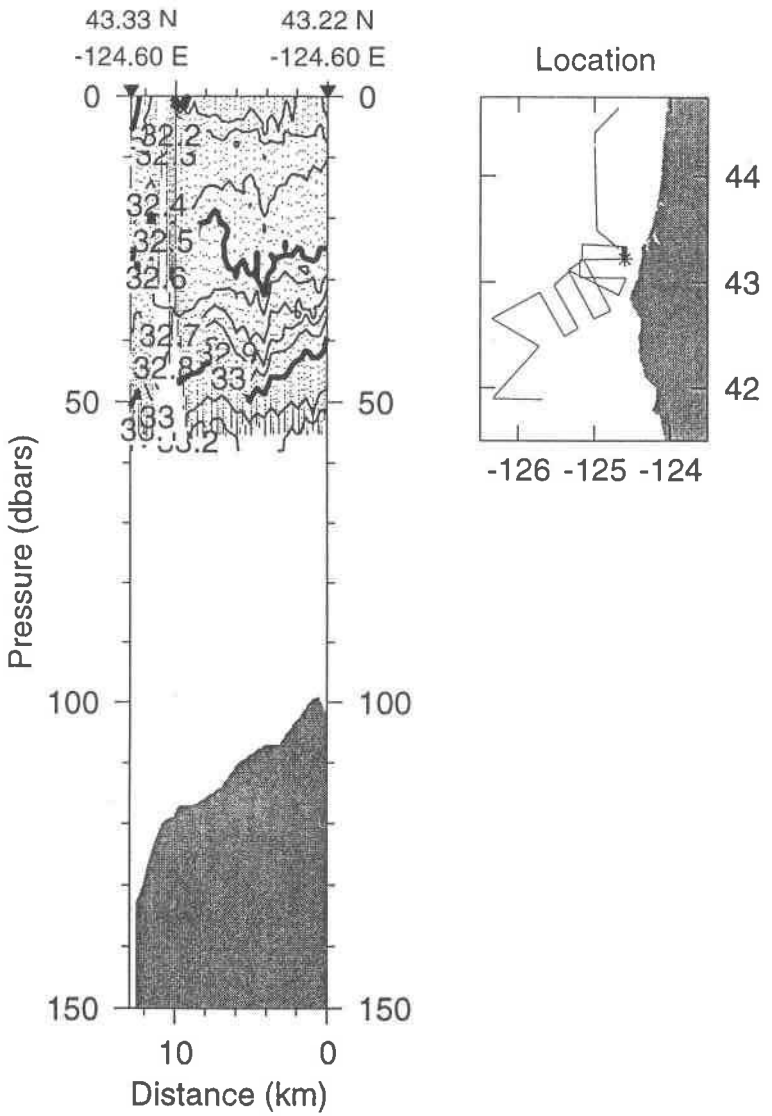


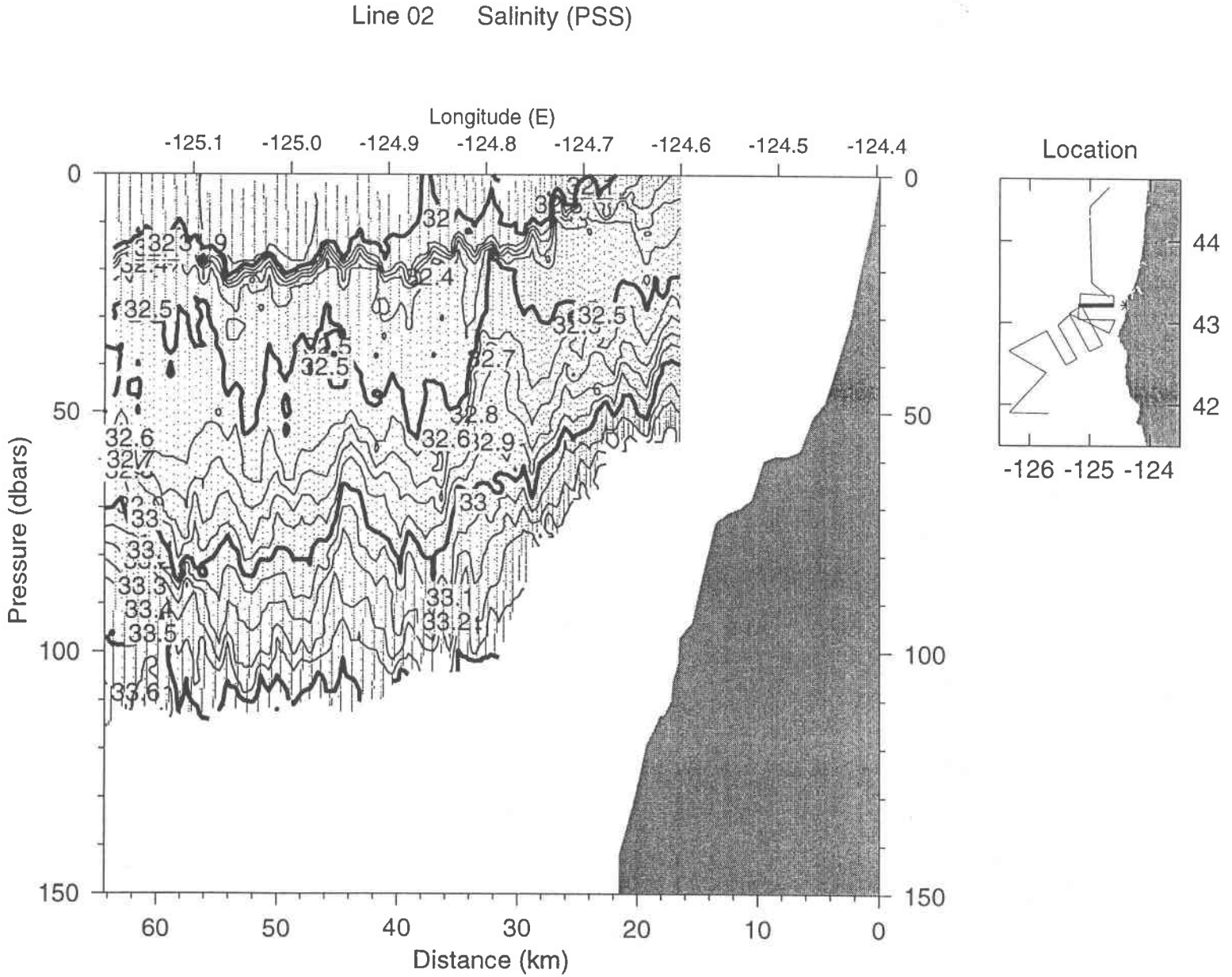
Line 00-01 Salinity (PSS)

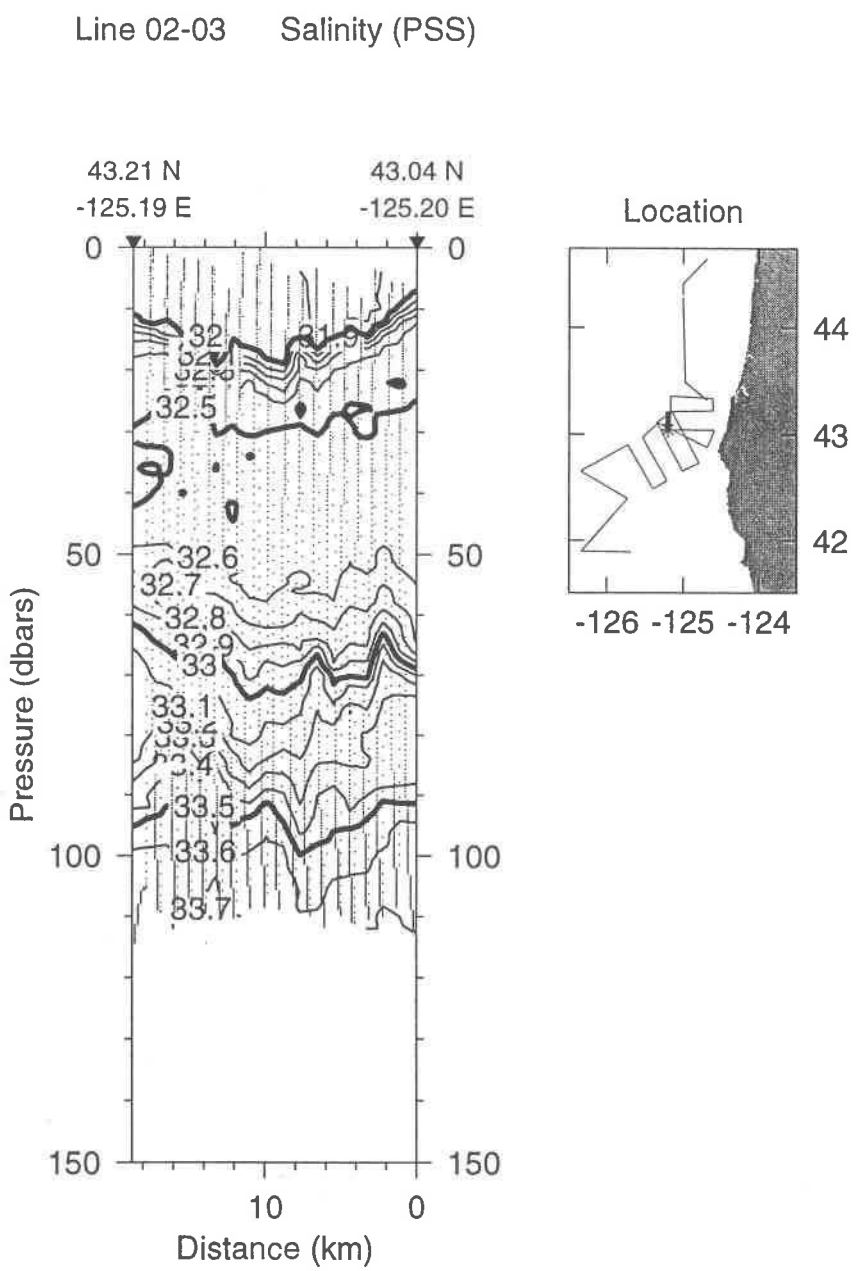


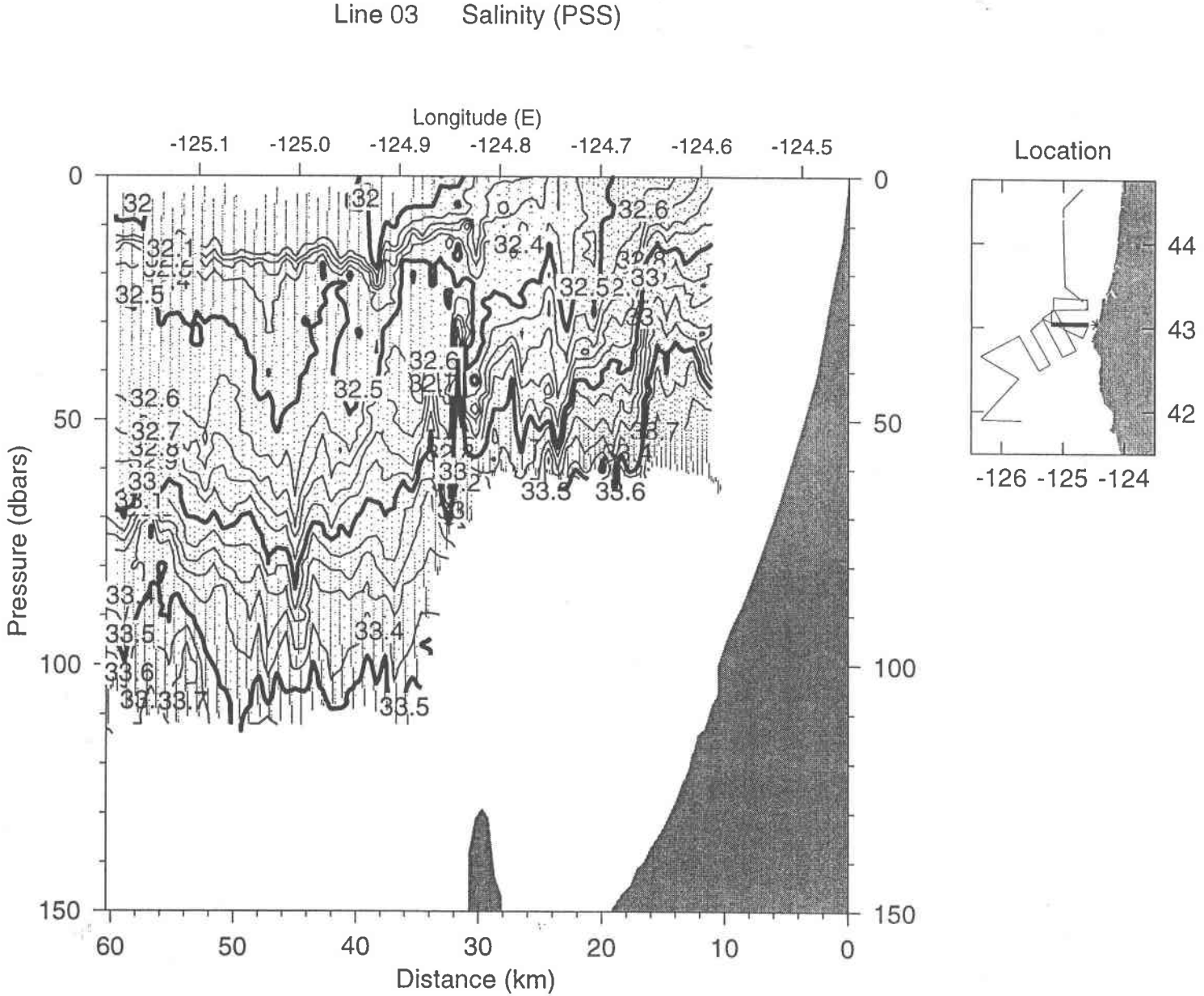

Line 01 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
32.2
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
Location
44
43
42
-126
-125
-124

Line 01-02 Salinity (PSS)

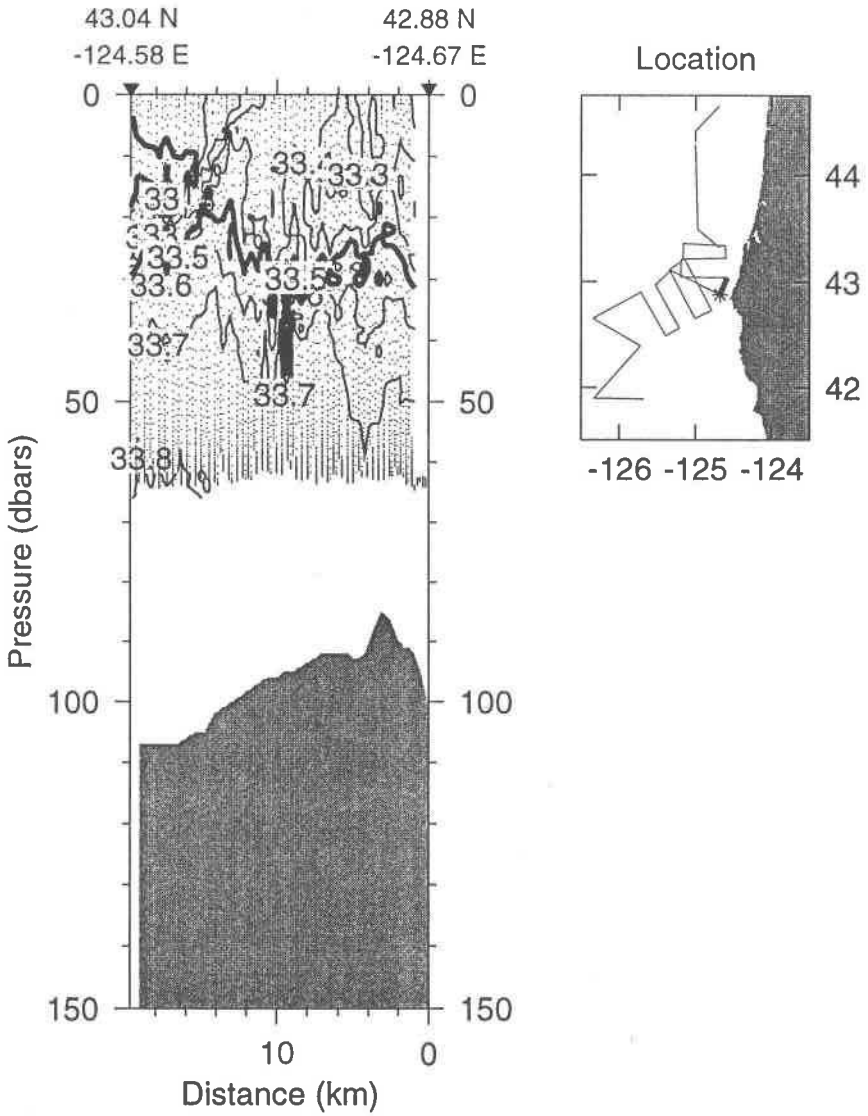


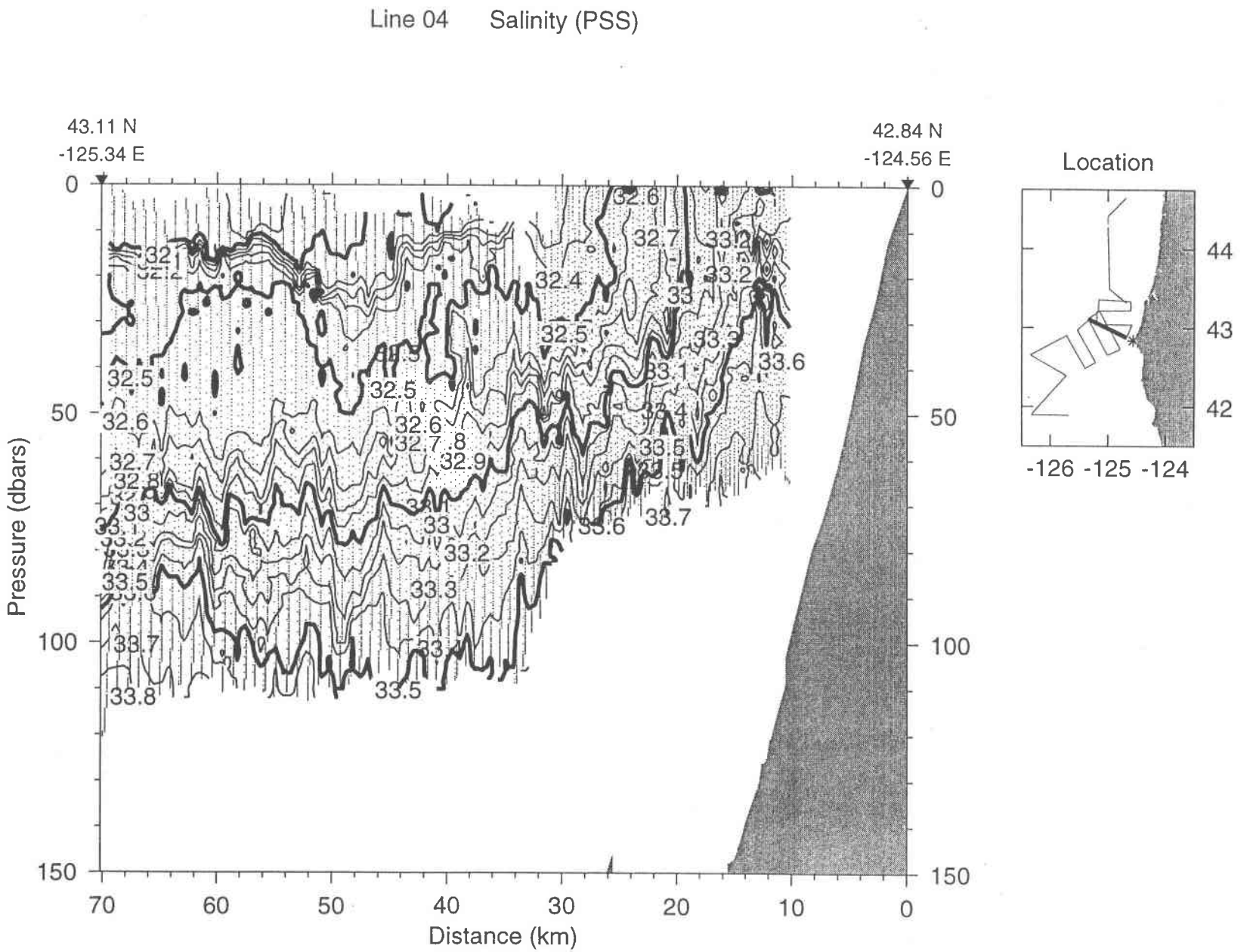

Line 02 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124


Line 02-03 Salinity (PSS)
43.21 N
-125.19 E
43.04 N
-125.20 E
Location
Pressure (dbars)
Distance (km)
32
32.5
32.6
32.7
32.8
33
33.1
33.5
33.6
33.7
0
50
100
150
10
44
43
42
-126 -125 -124

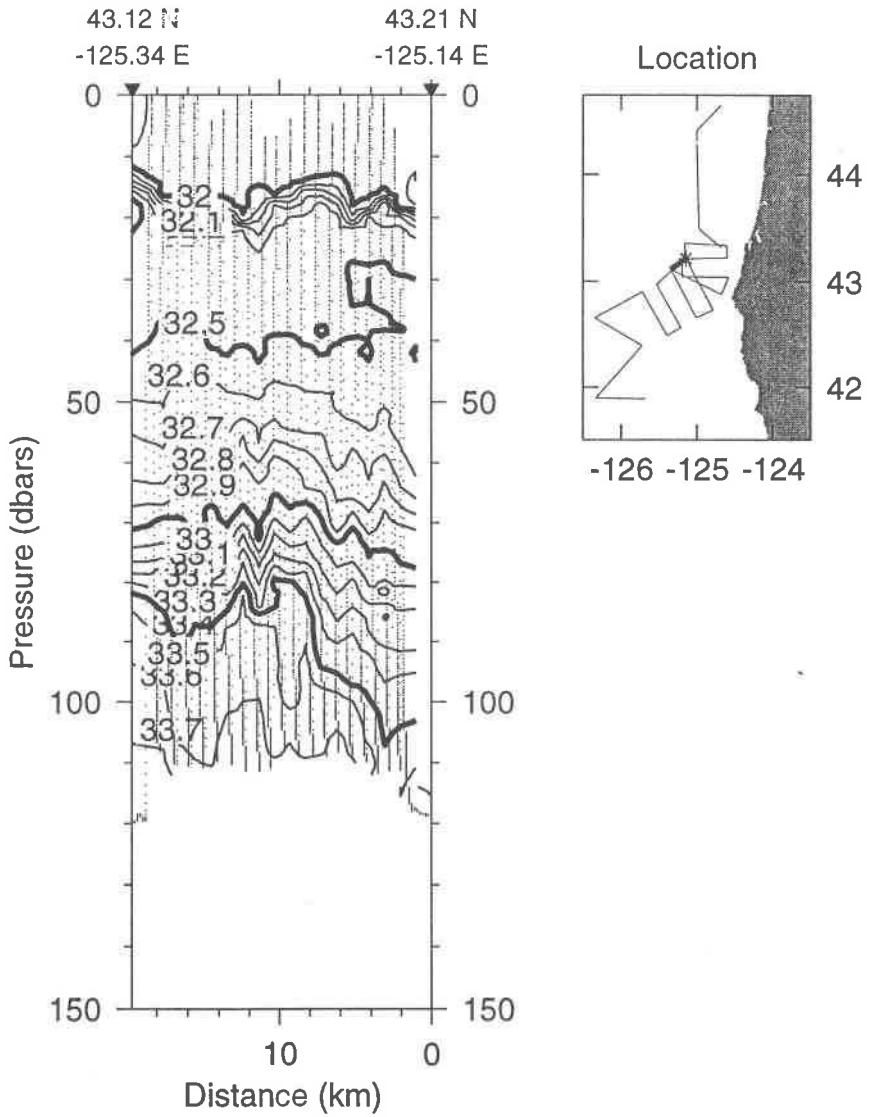

Line 03 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

Line 03-04 Salinity (PSS)

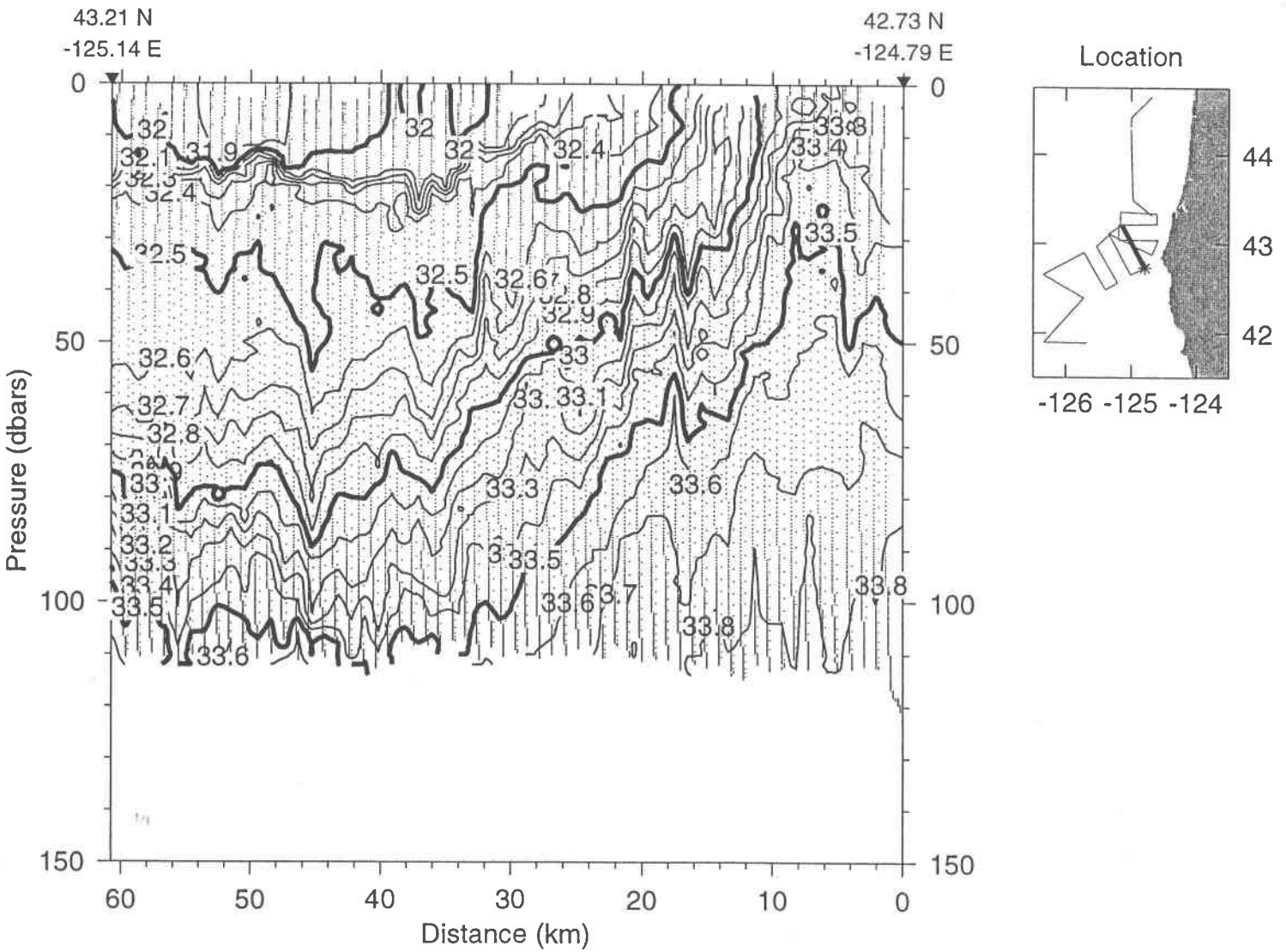



Line 04 Salinity (PSS)
43.11 N
-125.34 E
42.84 N
-124.56 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
70
60
50
40
30
20
10
0
-126 -125 -124
44
43
42
32.1
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.5
33.6
33.7
33.8

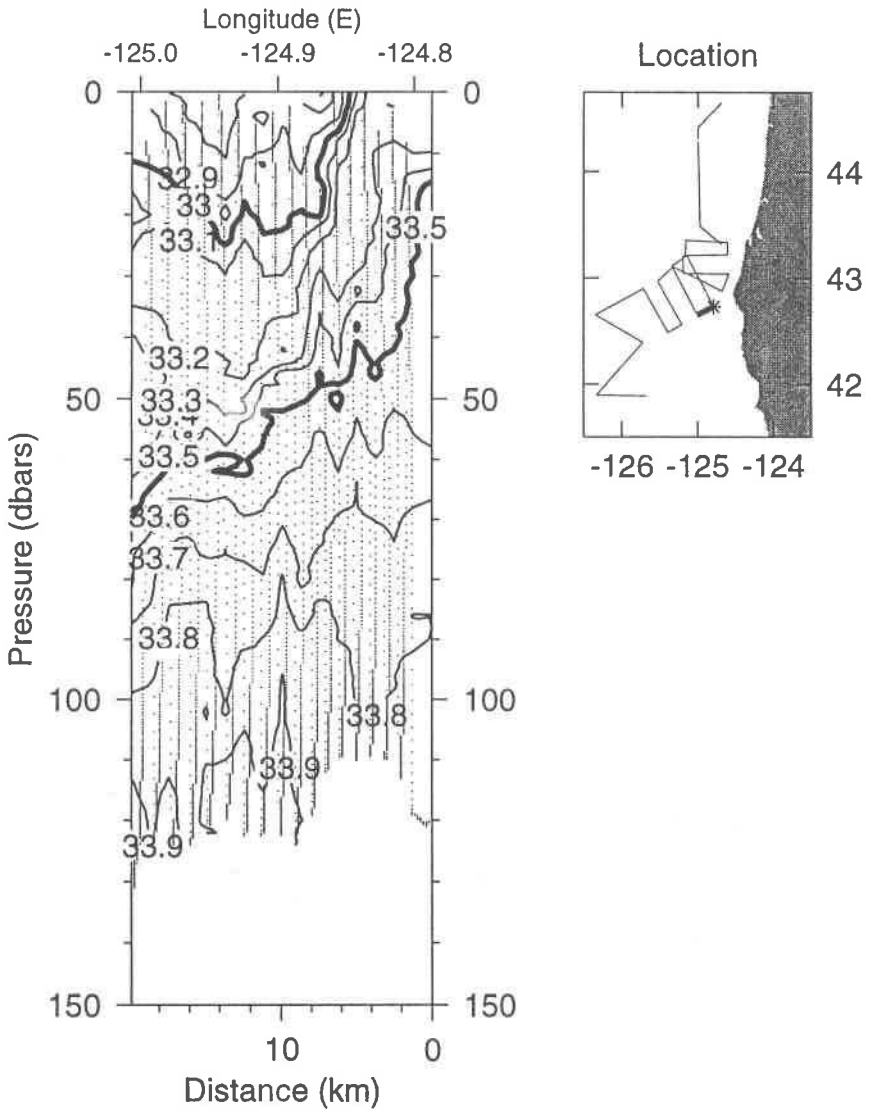
Line 04-05 Salinity (PSS)

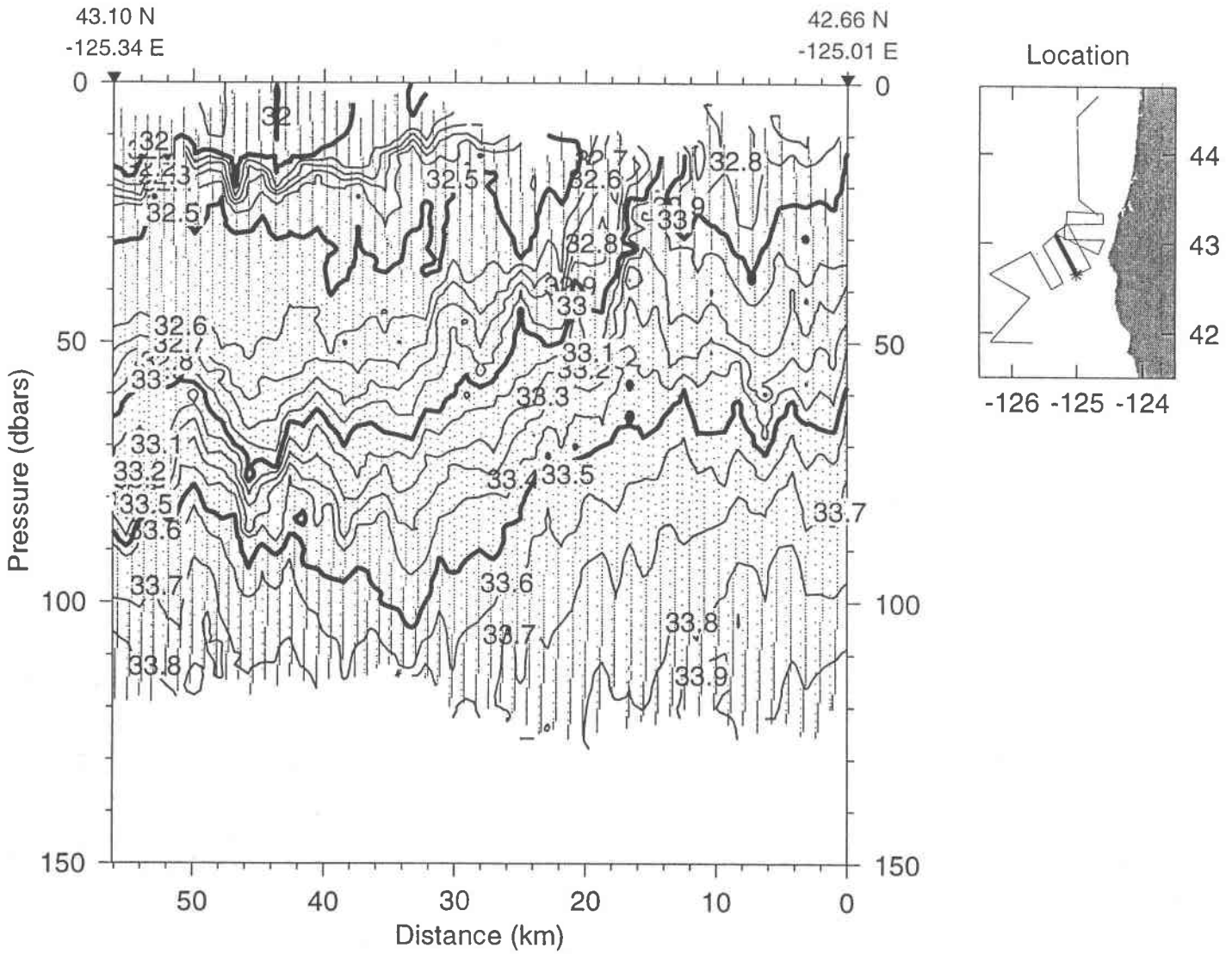


Line 05 Salinity (PSS)

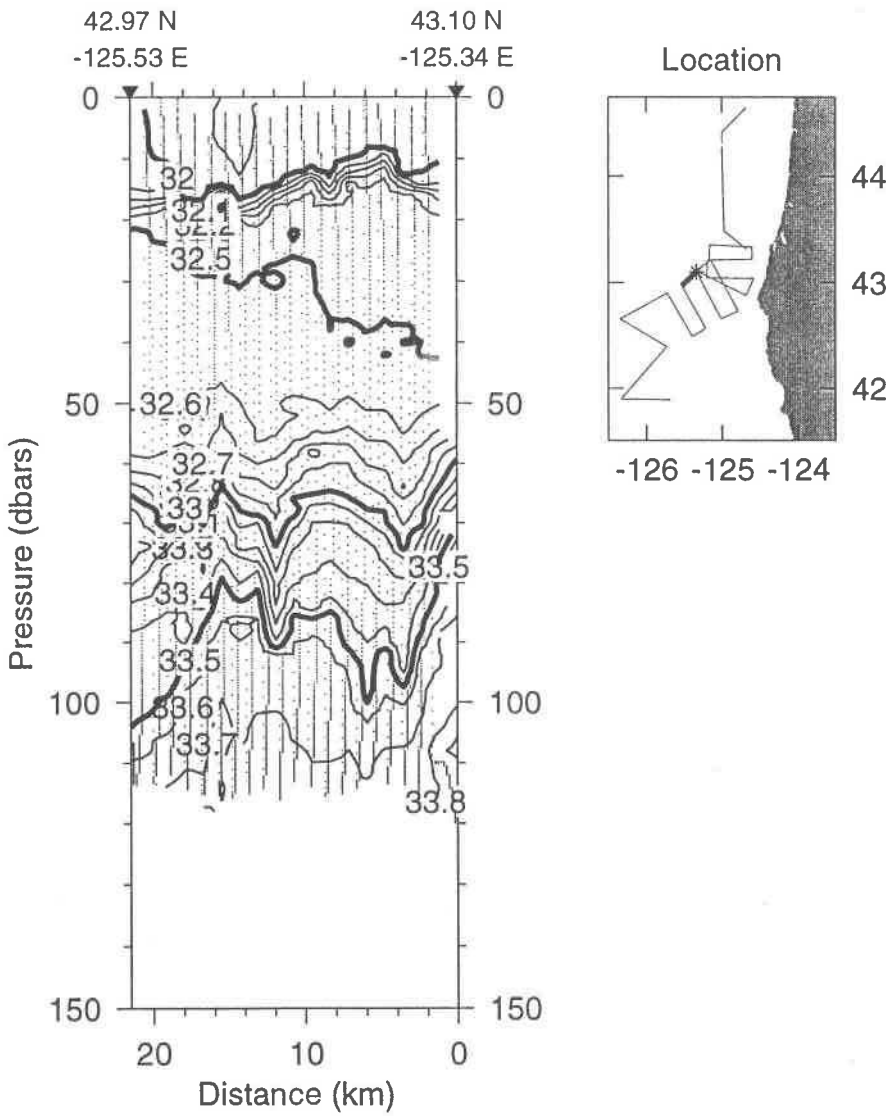


Line 05-06 Salinity (PSS)

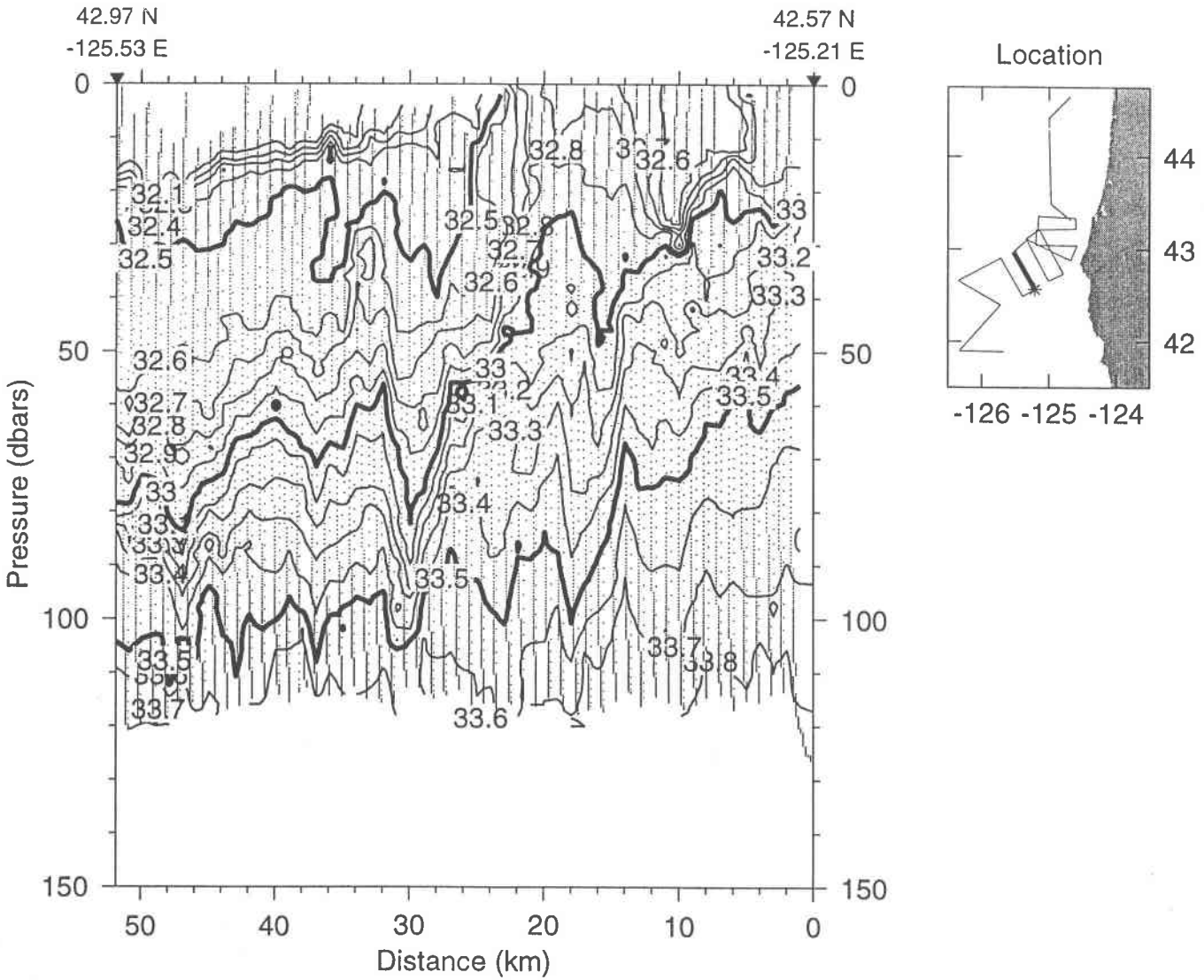



Line 06 Salinity (PSS)
43.10 N
-125.34 E
42.66 N
-125.01 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124
32
32.5
32.6
32.7
32.8
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8
33.9

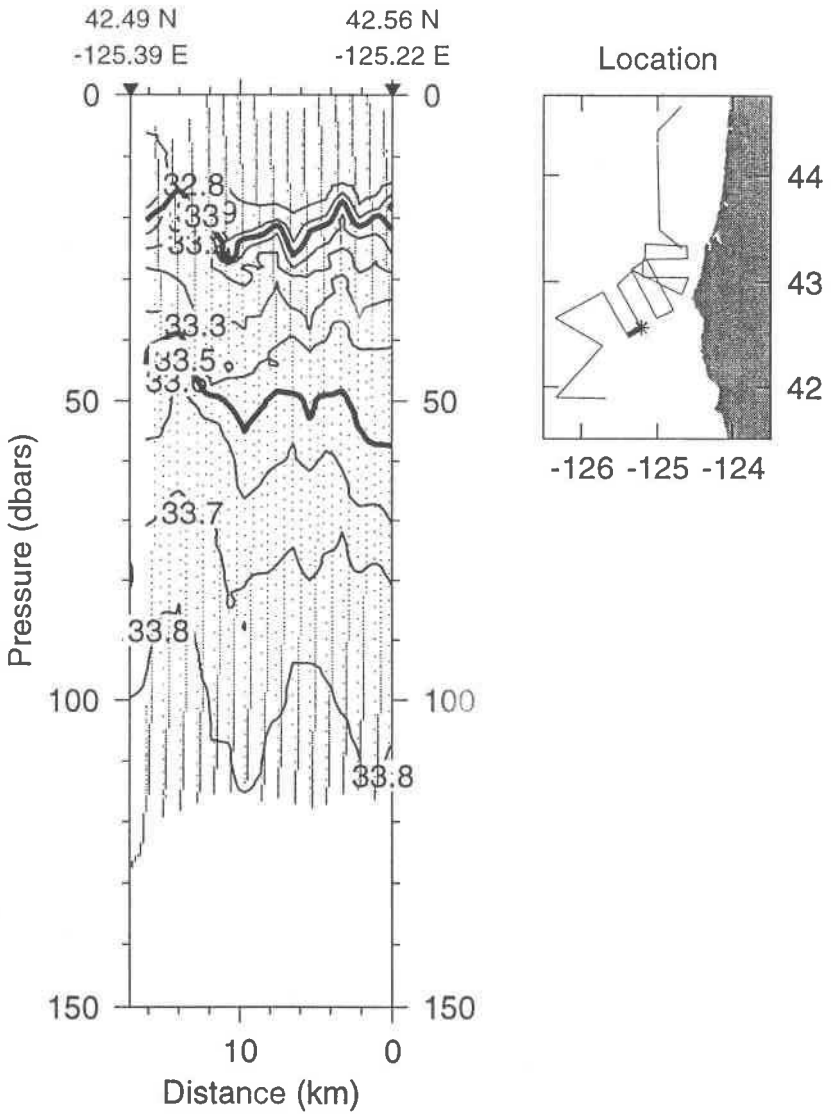
Line 06-07 Salinity (PSS)



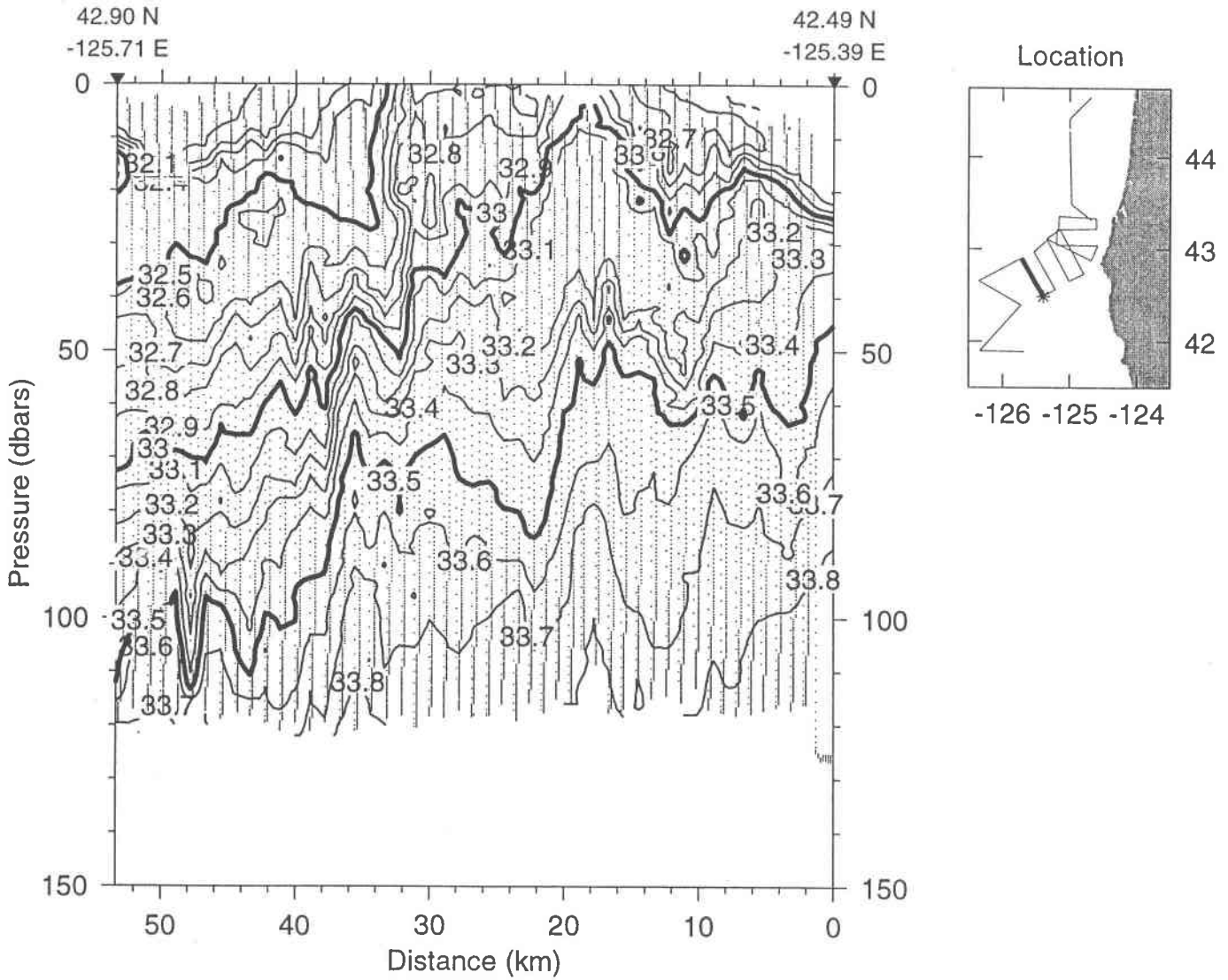
Line 07 Salinity (PSS)

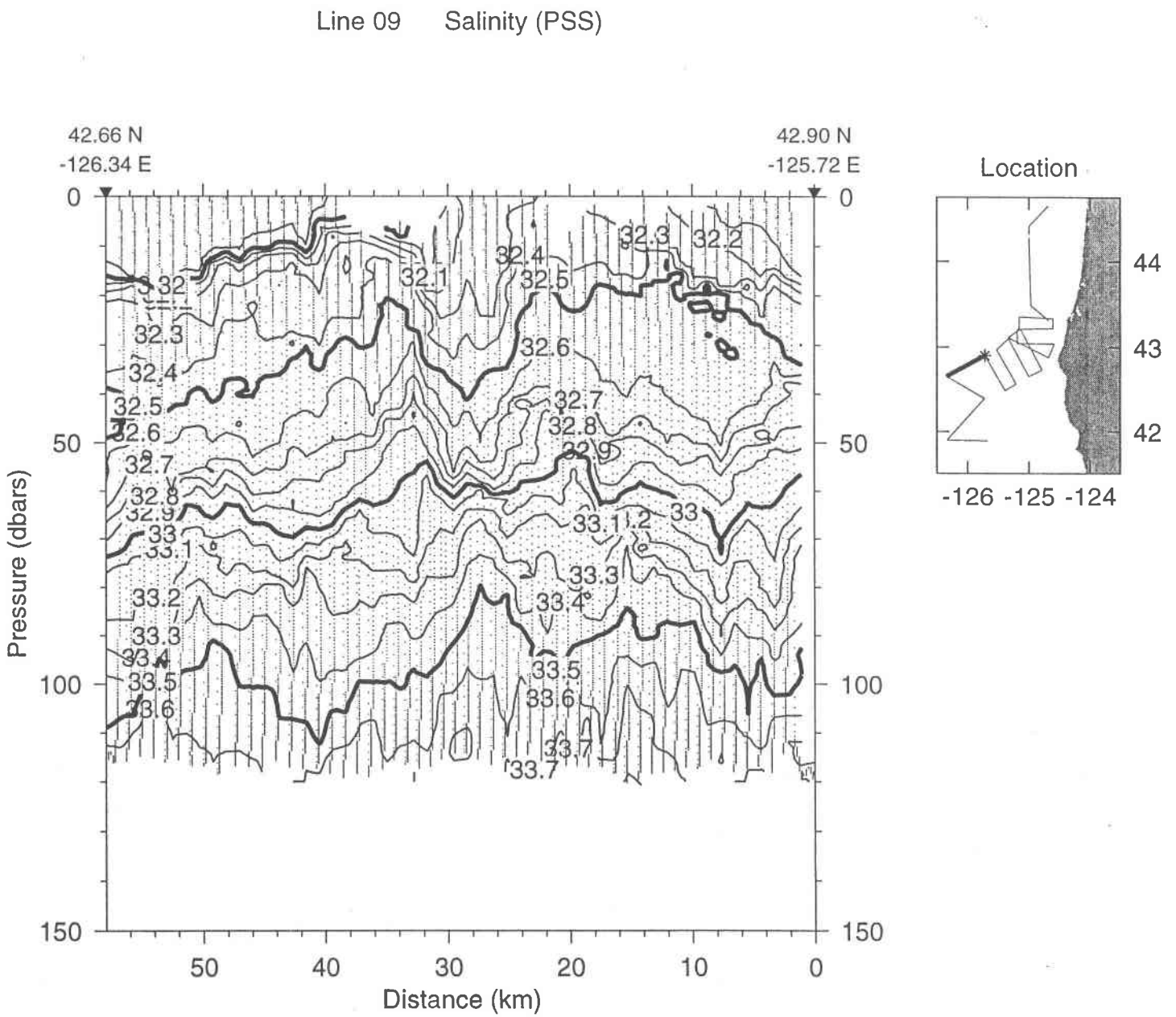


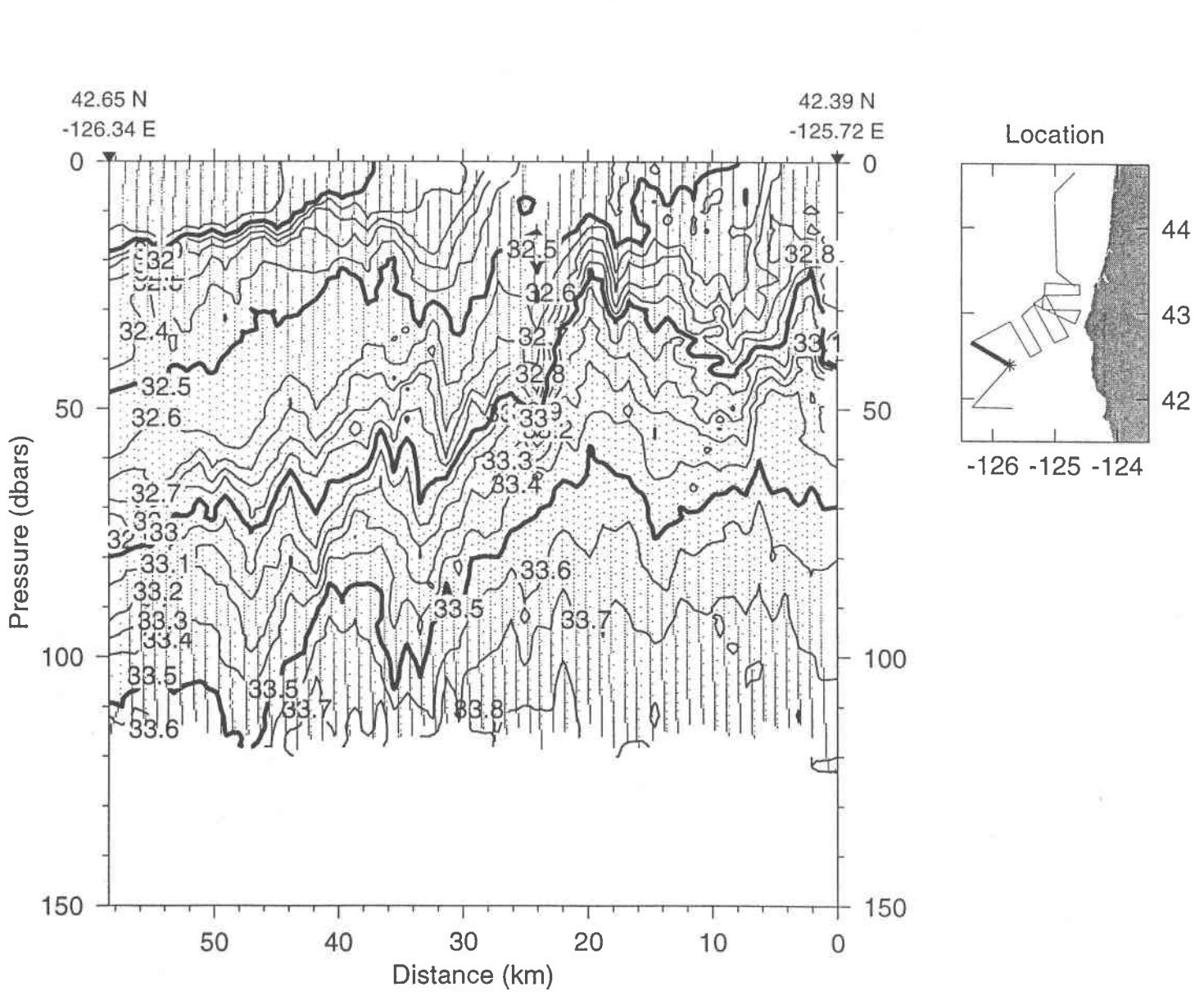
Line 07-08 Salinity (PSS)

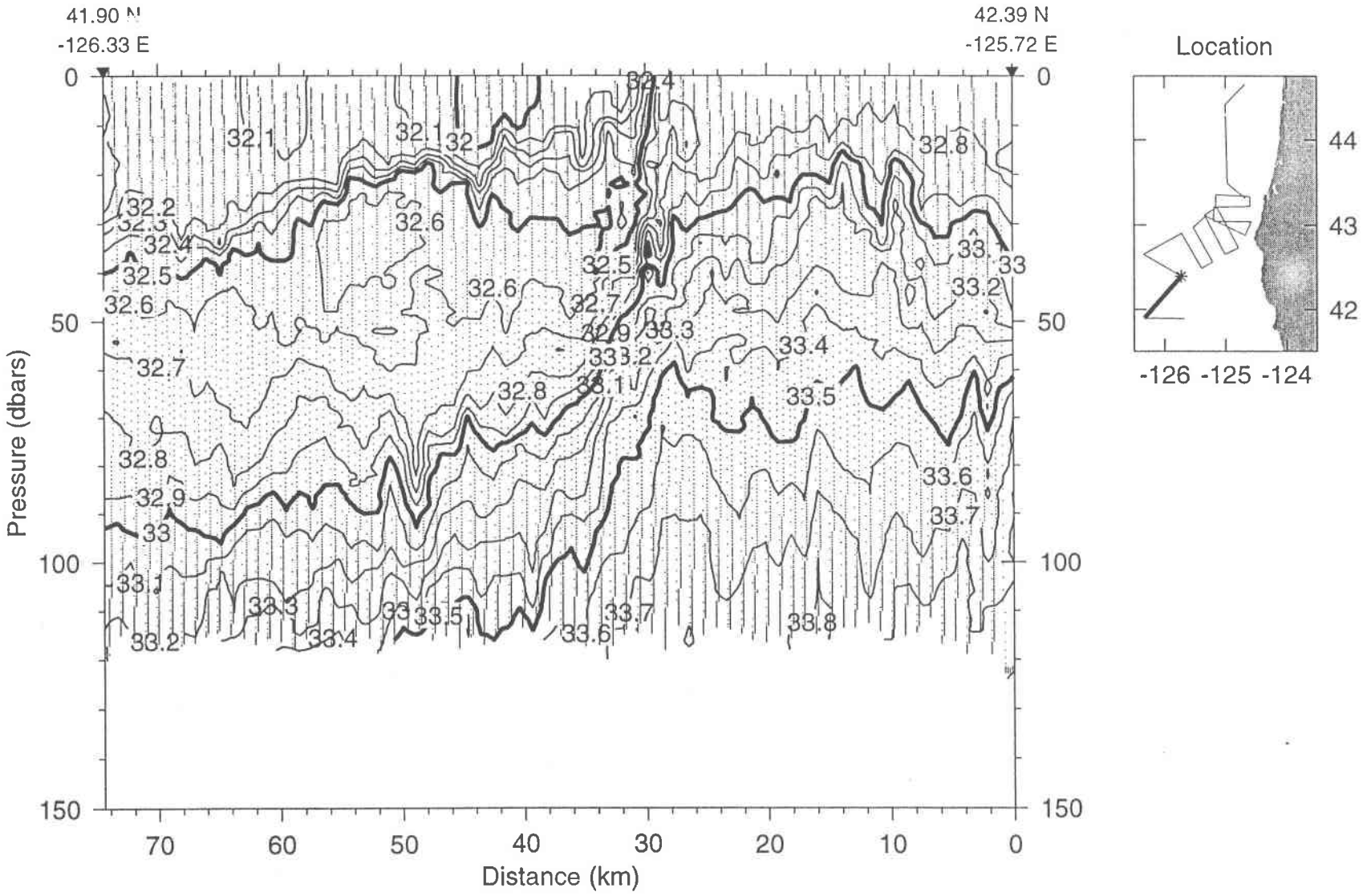


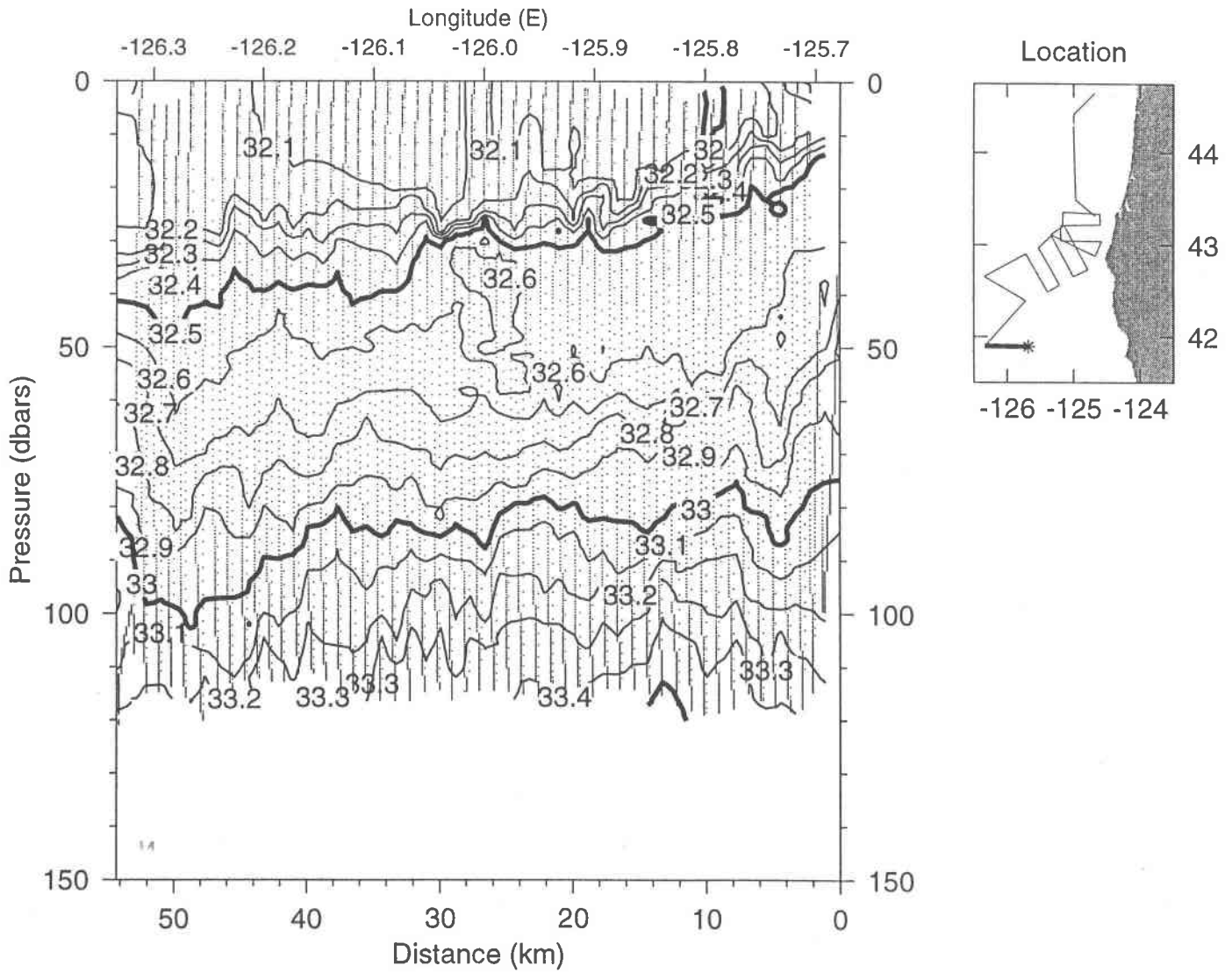
Line 08 Salinity (PSS)

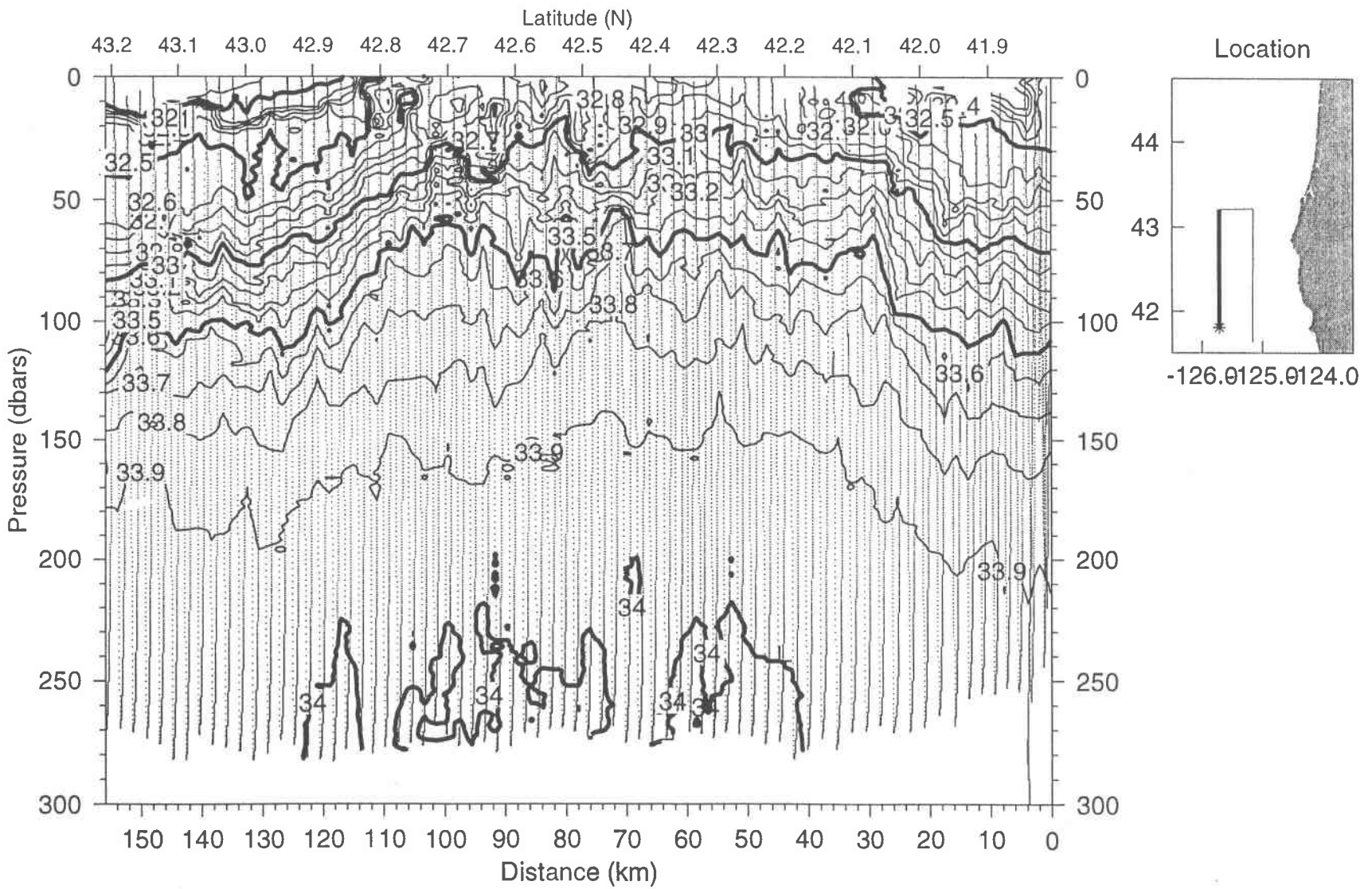


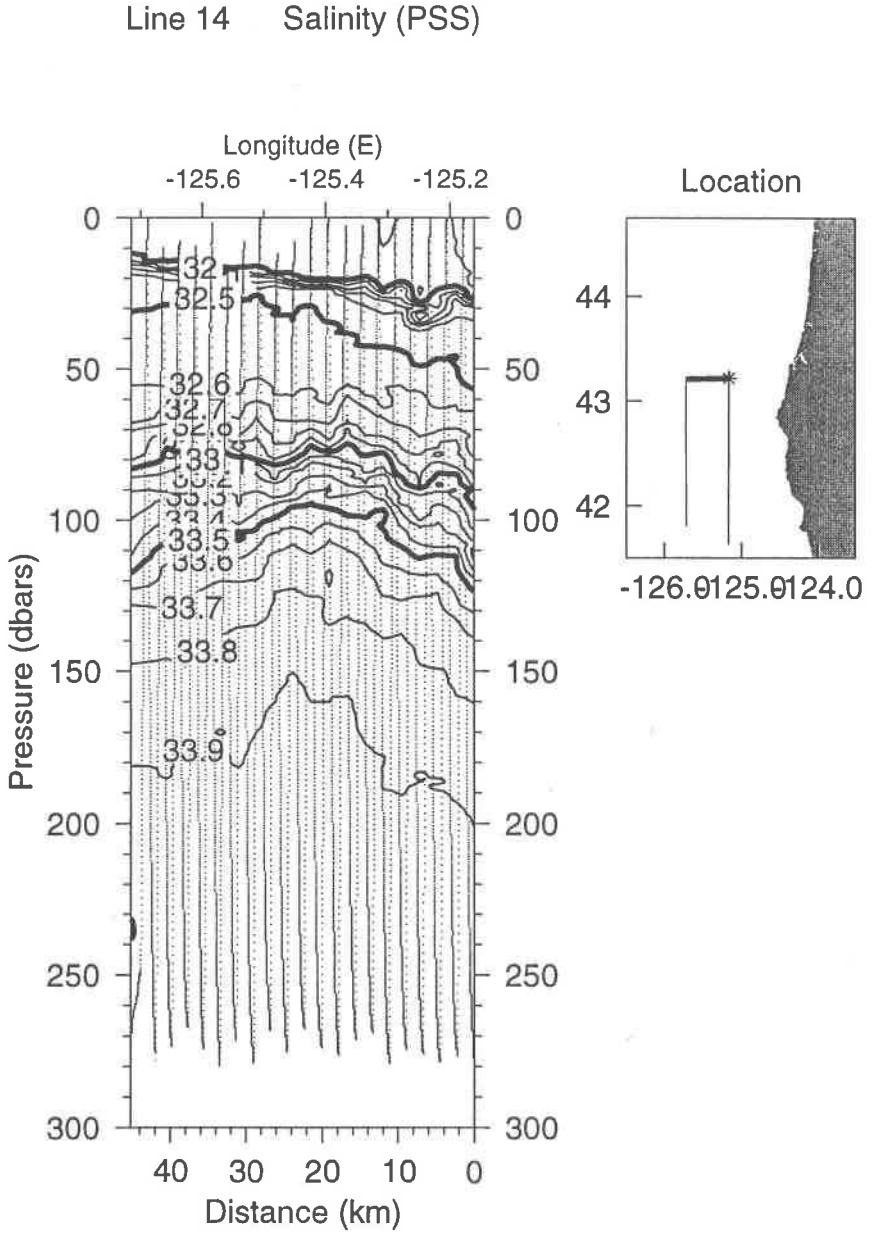

Line 09 Salinity (PSS)
42.66 N
-126.34 E
42.90 N
-125.72 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124
32
32.1
32.2
32.3
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7

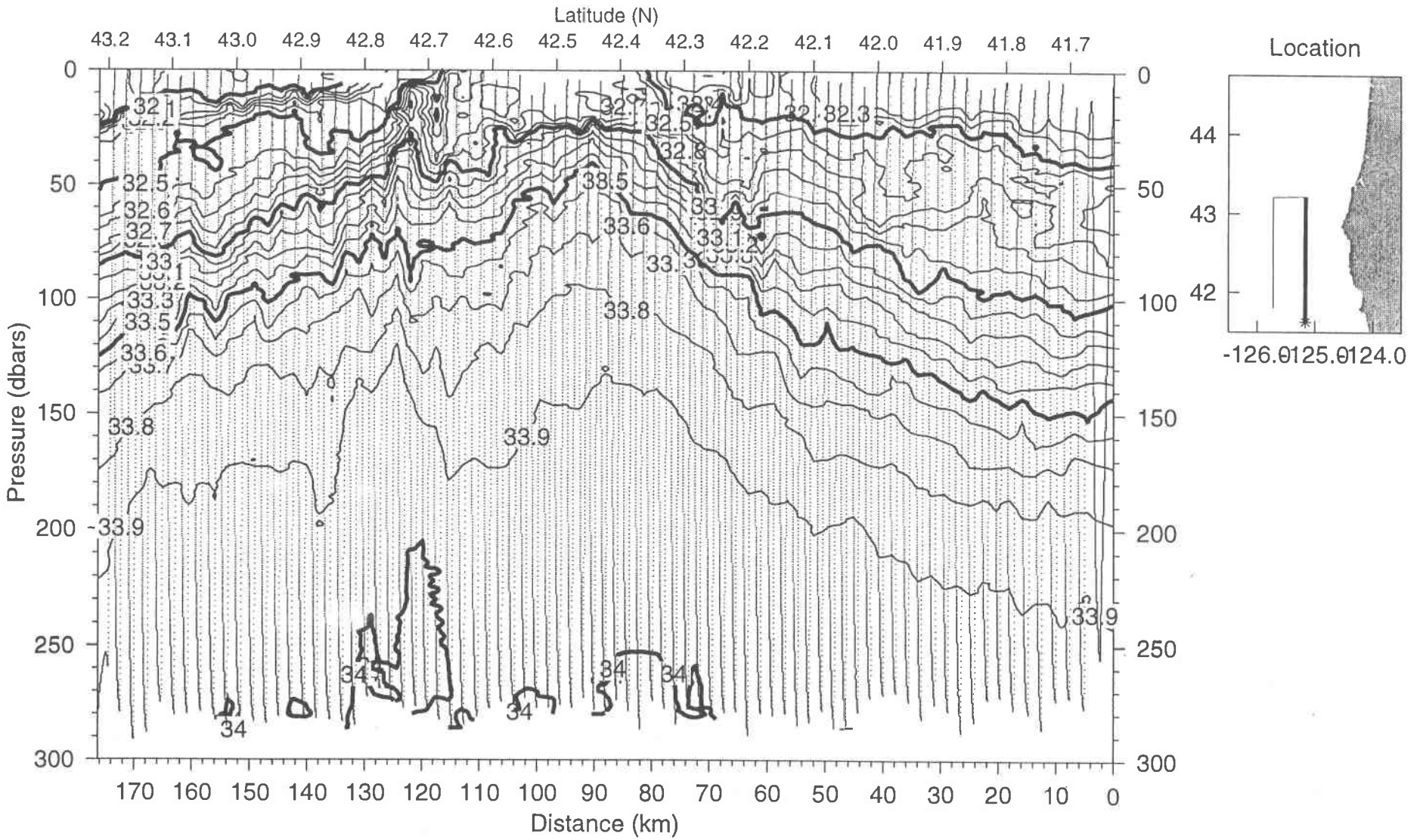

Line 10 Salinity (PSS)
42.65 N
-126.34 E
42.39 N
-125.72 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124
32.4
32.5
32.6
32.7
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8

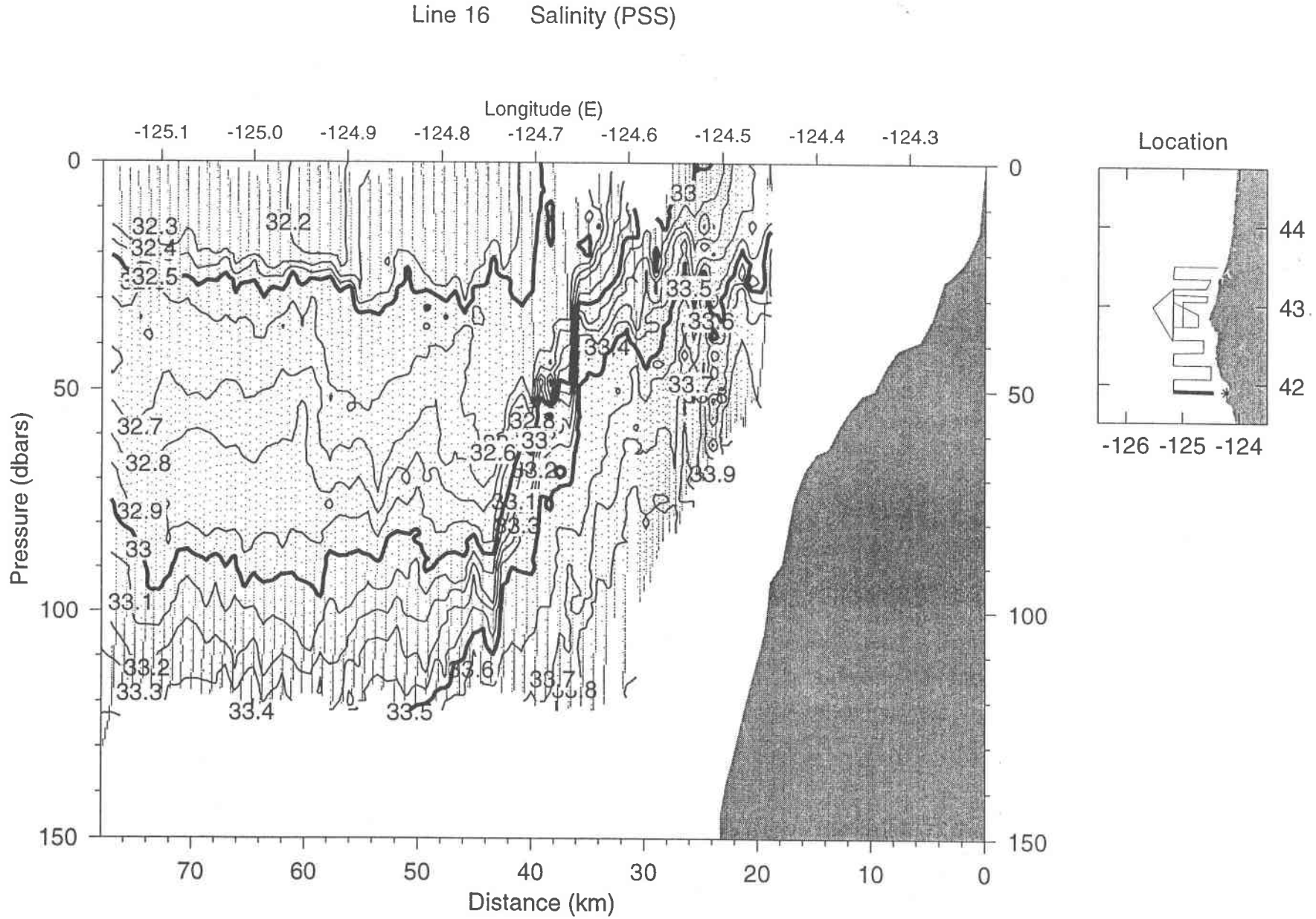

Line 11 Salinity (PSS)
41.90 N
-126.33 E
42.39 N
-125.72 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
70
60
50
40
30
20
10
0
44
43
42
-126 -125 -124
32.1
32.2
32.3
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8


Line 12 Salinity (PSS)
Longitude (E)
-126.3
-126.2
-126.1
-126.0
-125.9
-125.8
-125.7
Pressure (dbars)
0
50
100
150
Distance (km)
50
40
30
20
10
0
32.1
32.2
32.3
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
Location
44
43
42
-126 -125 -124

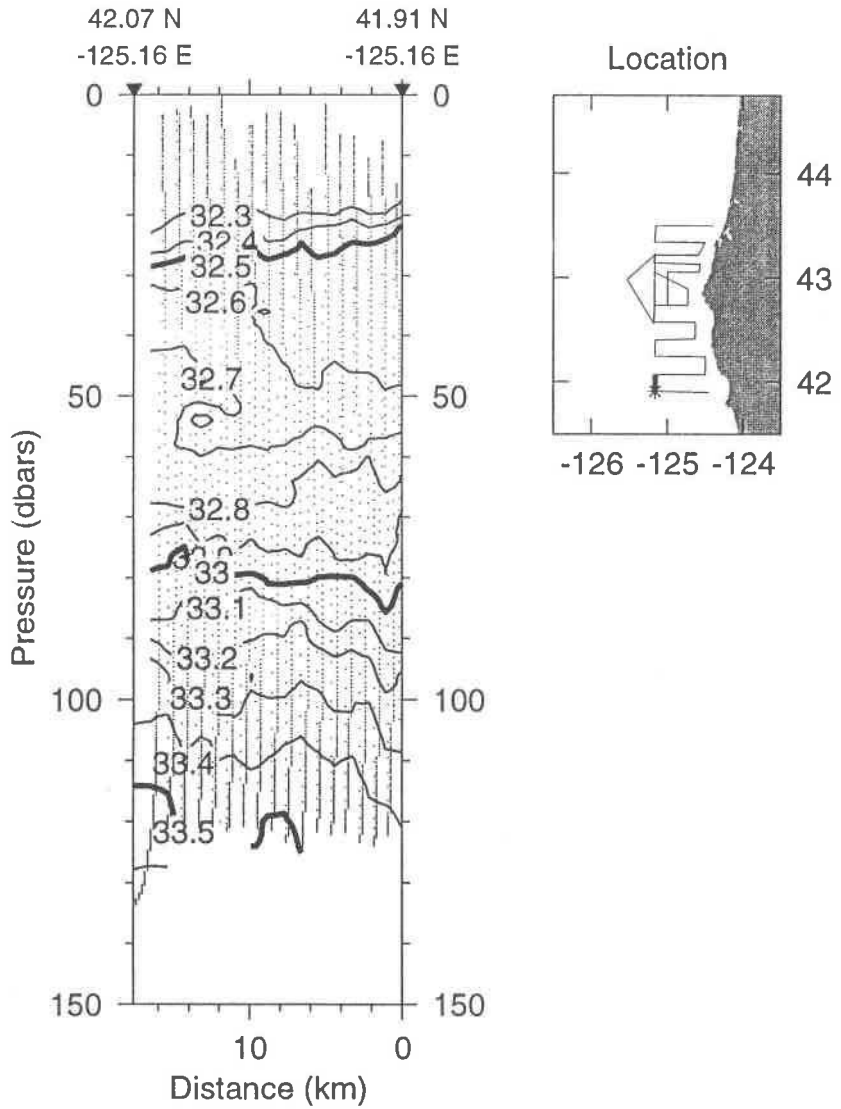

Line 13 Salinity (PSS)
Latitude (N)
43.2 43.1 43.0 42.9 42.8 42.7 42.6 42.5 42.4 42.3 42.2 42.1 42.0 41.9
Location
44
43
42
-126.0 125.0 124.0
Pressure (dbars)
0 50 100 150 200 250 300
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Distance (km)
32.1
32.5
32.6
32.8
32.9
33
33.1
33.2
33.5
33.6
33.7
33.8
33.9
34

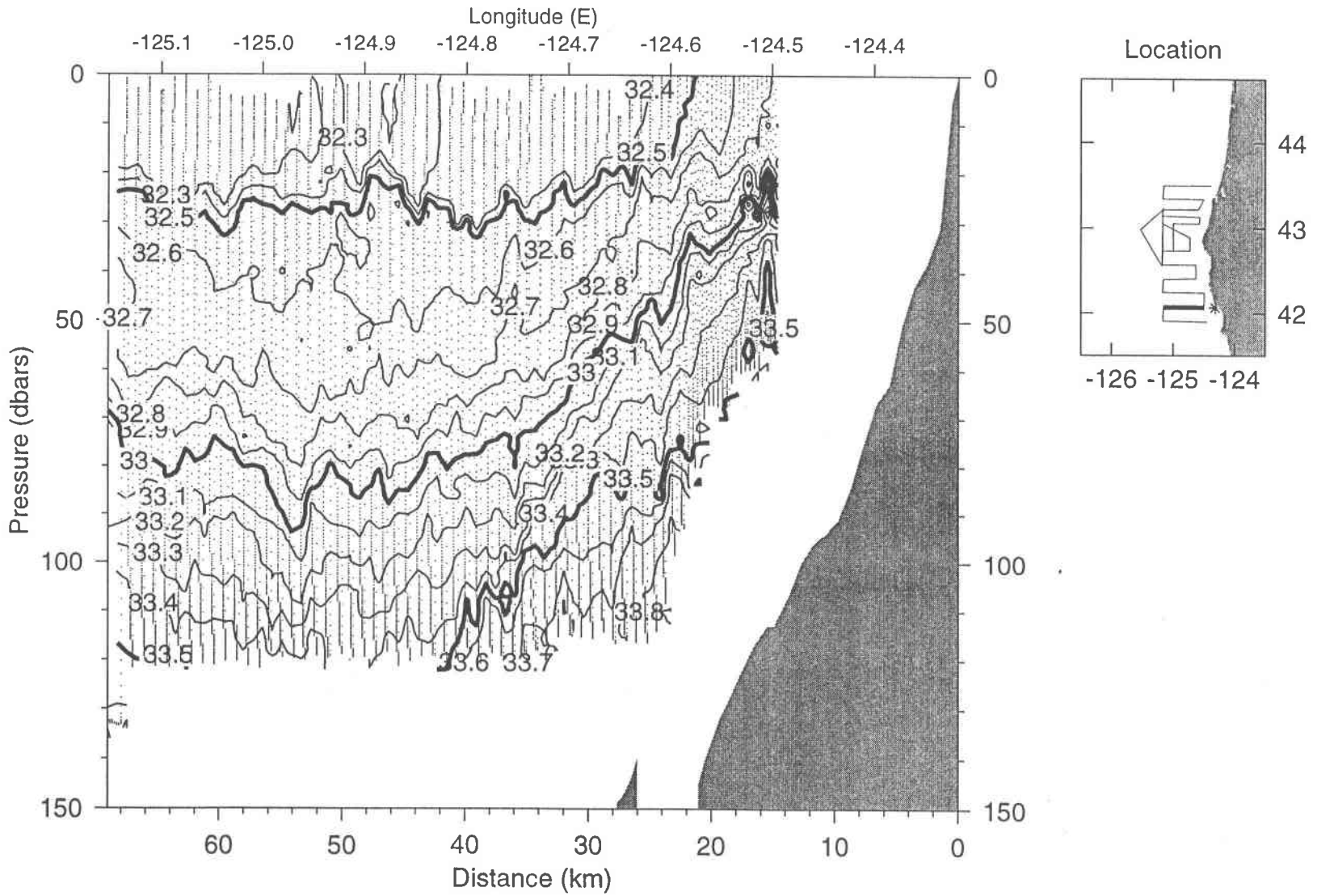

Line 14 Salinity (PSS)
Longitude (E)
-125.6
-125.4
-125.2
Location
44
43
42
-126.0
-125.0
-124.0
Pressure (dbars)
0
50
100
150
200
250
300
32
32.5
32.6
32.7
33
33.5
33.6
33.7
33.8
33.9
40
30
20
10
0
Distance (km)


Line 15 Salinity (PSS)
Latitude (N)
43.2 43.1 43.0 42.9 42.8 42.7 42.6 42.5 42.4 42.3 42.2 42.1 42.0 41.9 41.8 41.7
Location
44
43
42
-126.0 125.0 124.0
Pressure (dbars)
0 50 100 150 200 250 300
32.1
32.5
32.6
32.7
33.1
33.3
33.5
33.6
33.8
33.9
34
Distance (km)
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

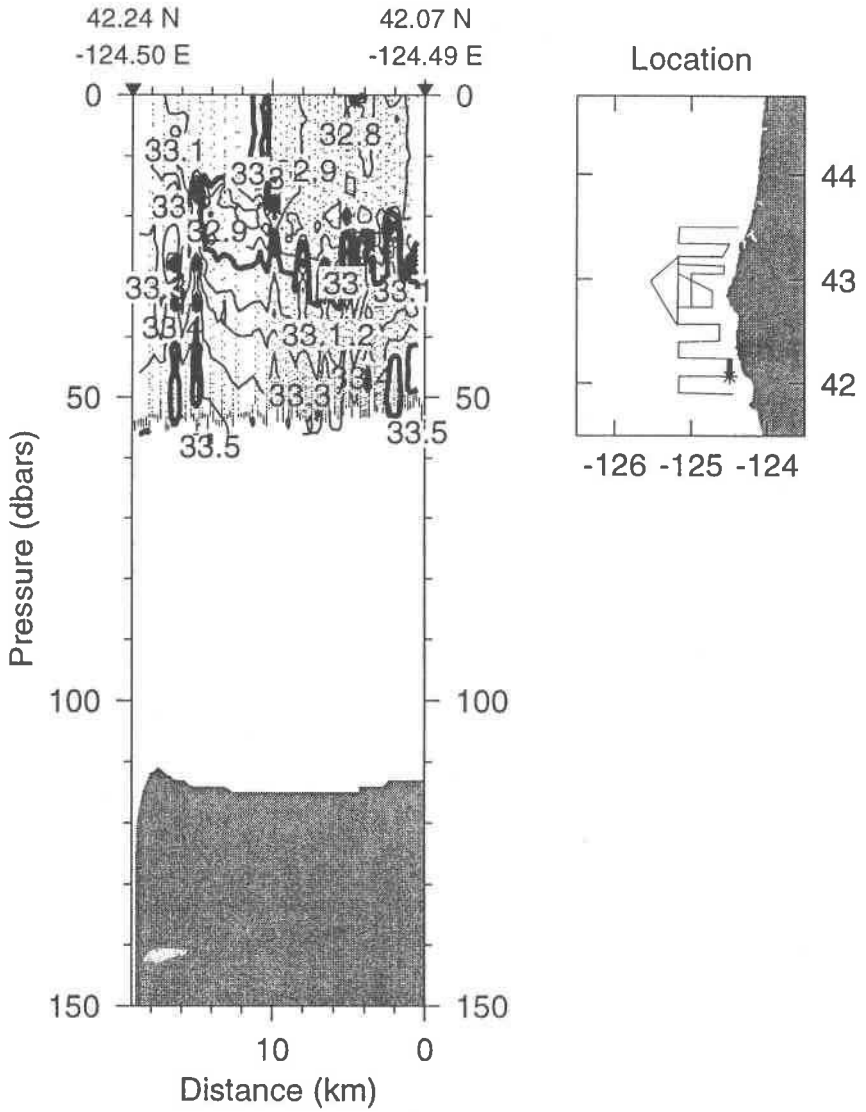

Line 16 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
-124.3
Pressure (dbars)
0
50
100
150
Distance (km)
70
60
50
40
30
20
10
0
32.2
32.3
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8
33.9
Location
44
43
42
-126 -125 -124

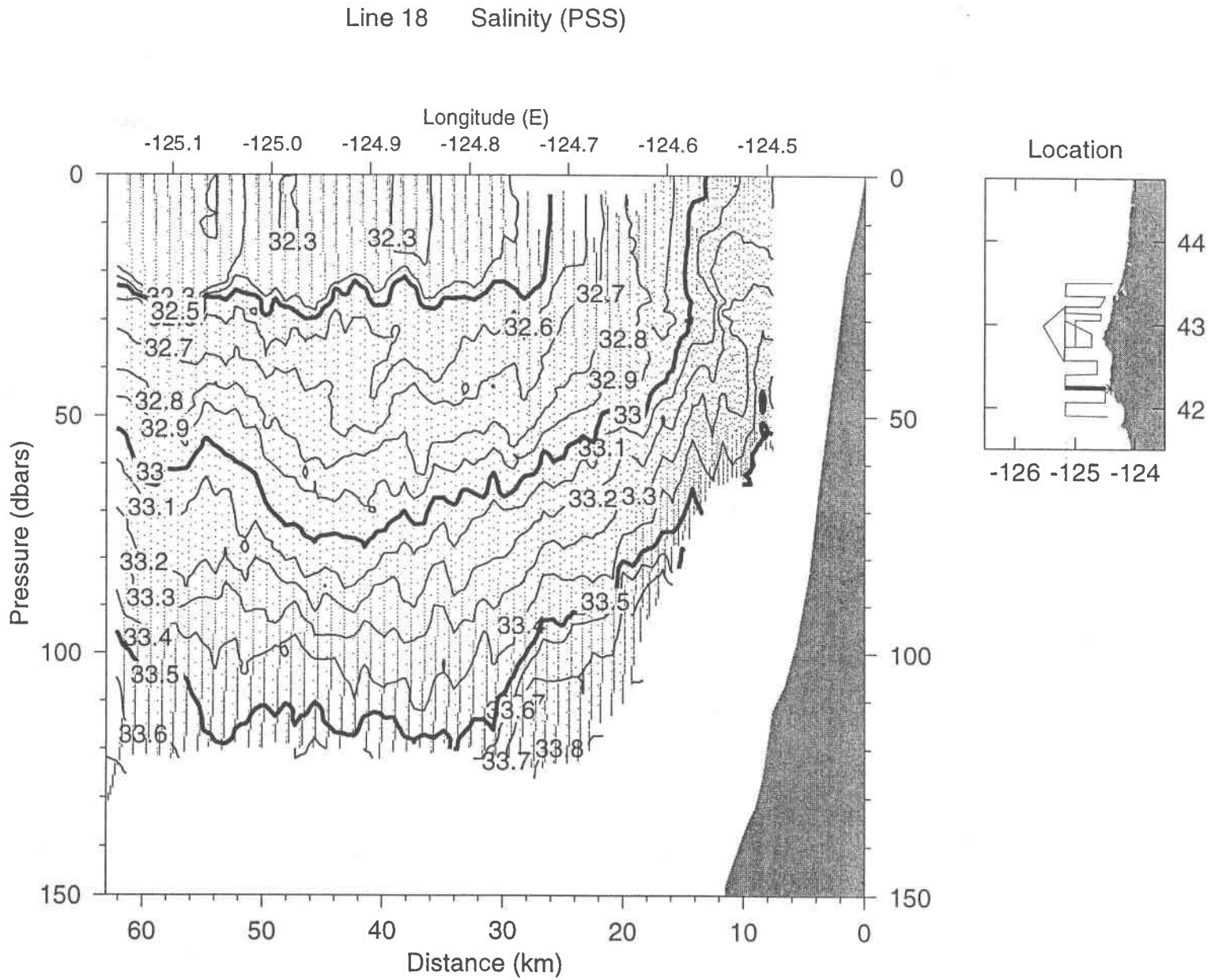
Line 16-17 Salinity (PSS)



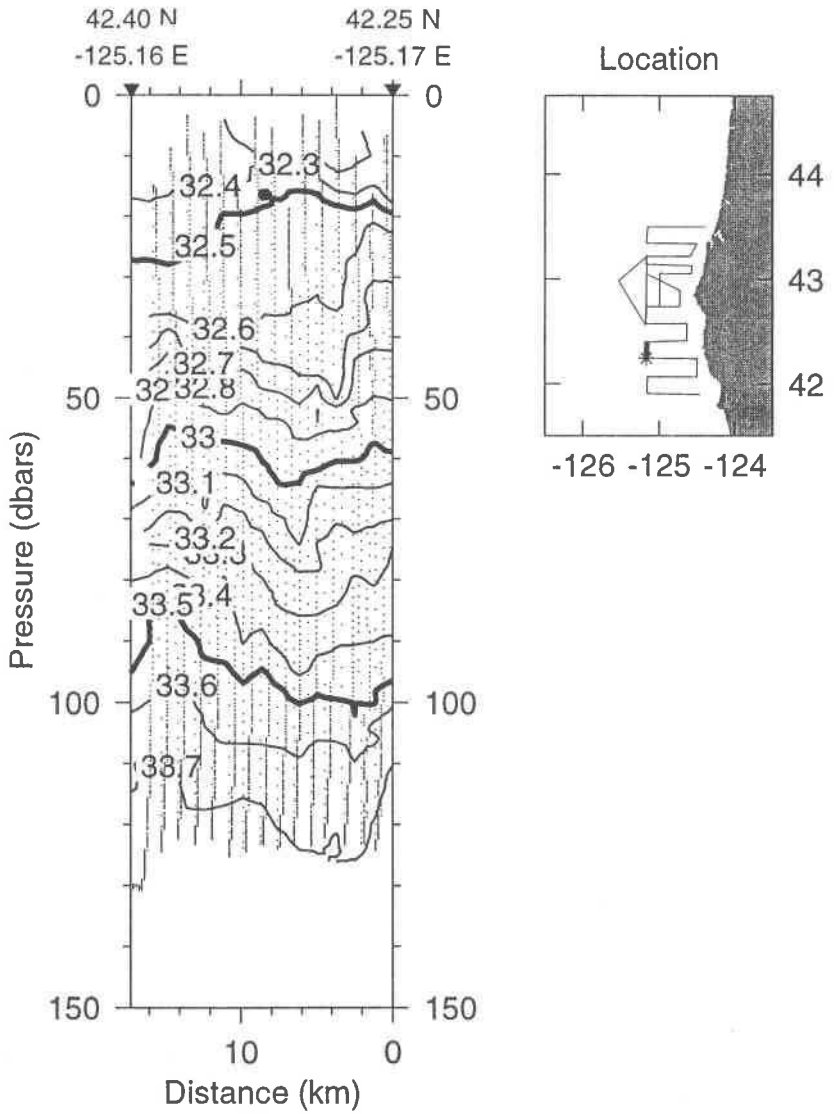

Line 17 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
32.3
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8
Location
44
43
42
-126
-125
-124

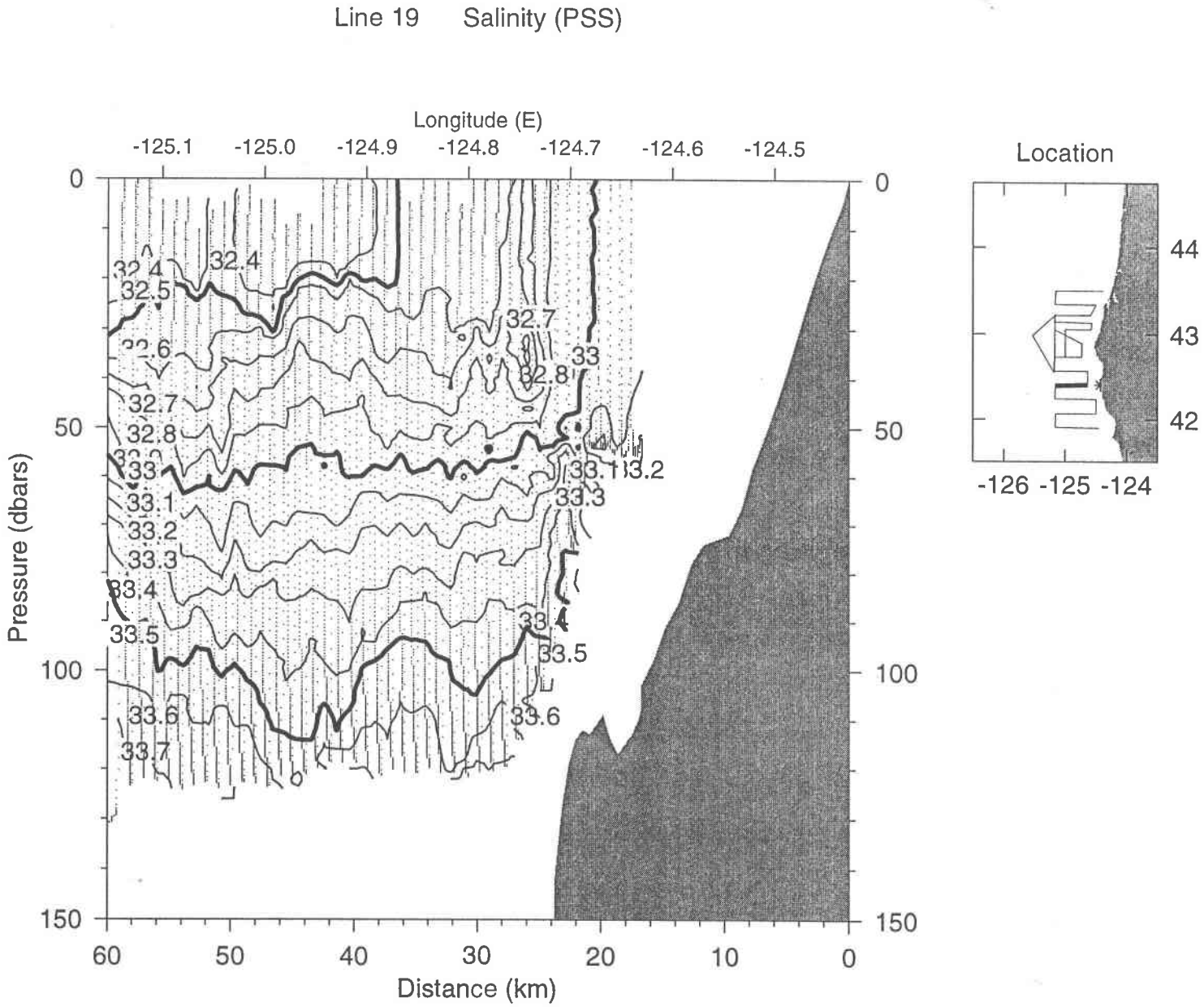
Line 17-18 Salinity (PSS)



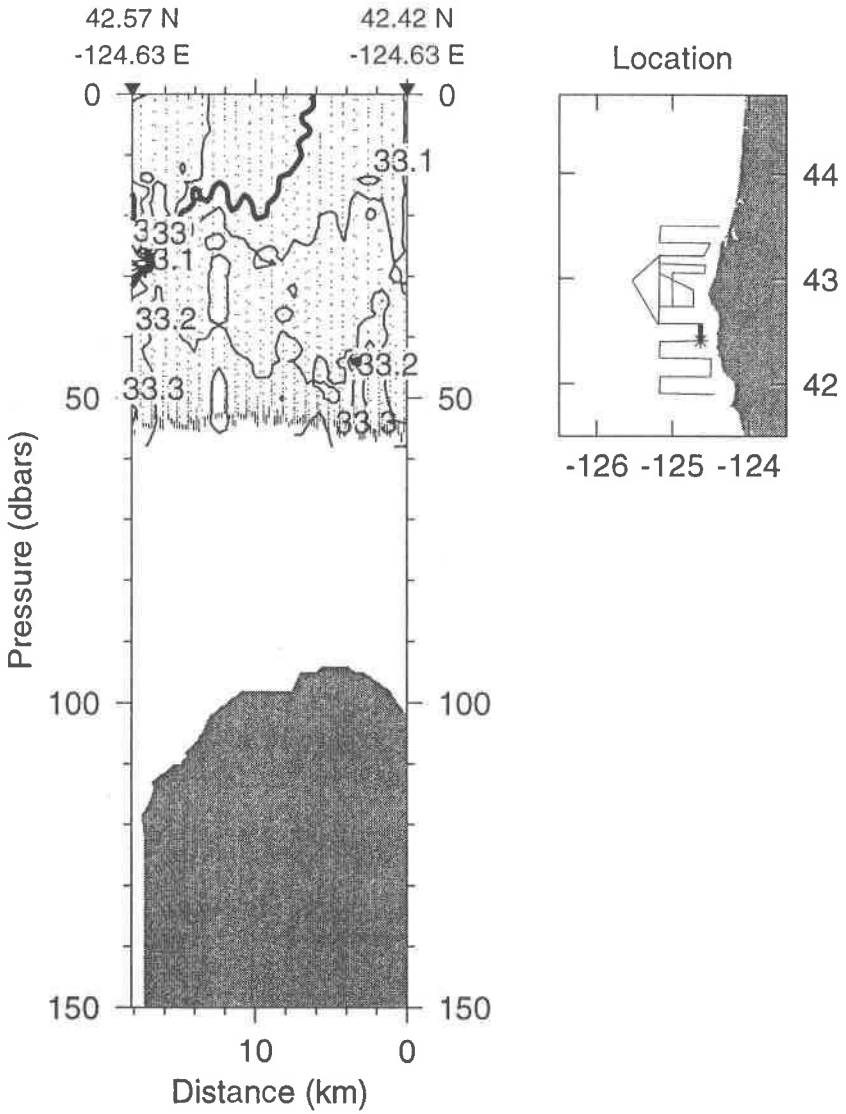

Line 18 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
32.3
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8
Location
44
43
42
-126 -125 -124

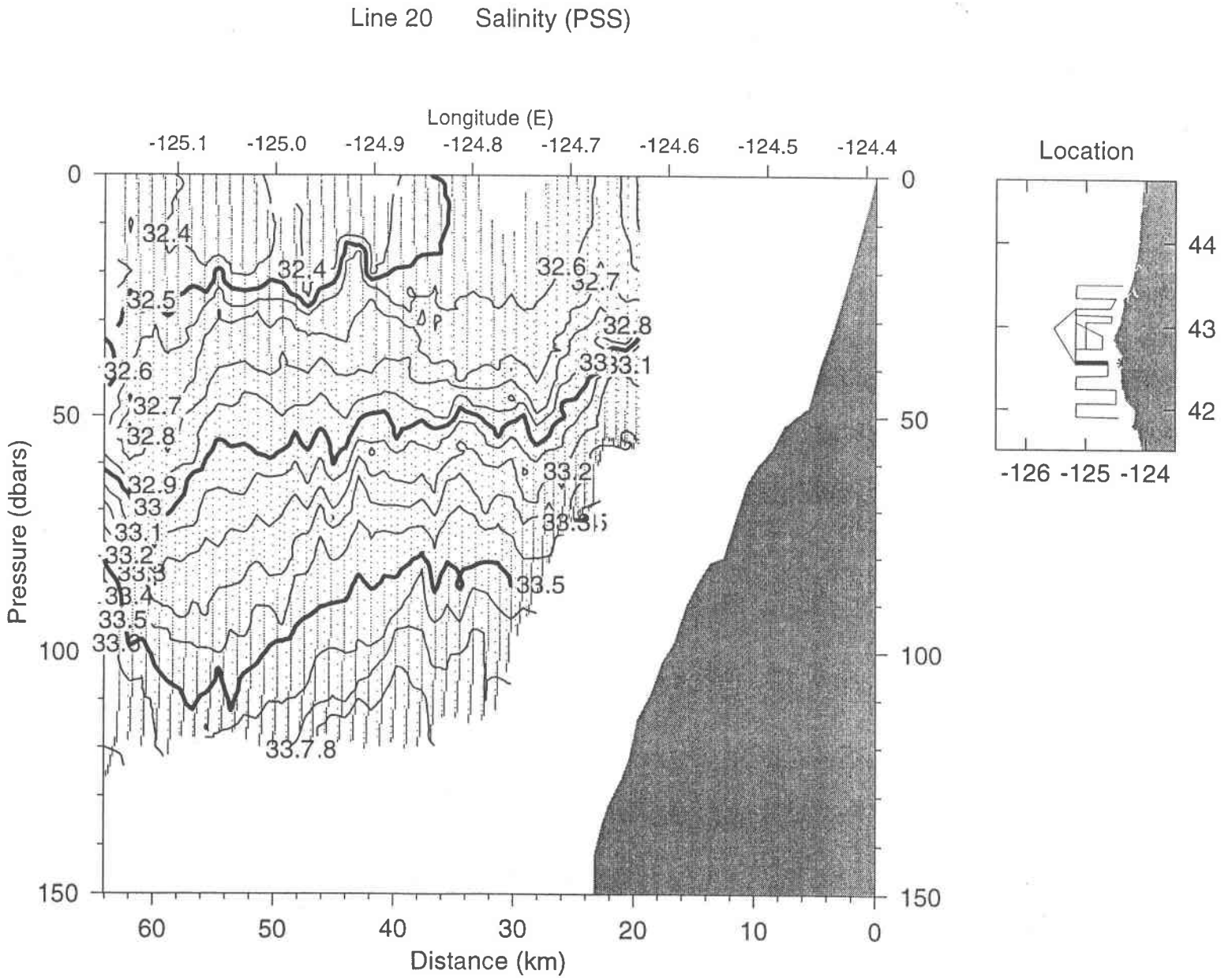
Line 18-19 Salinity (PSS)



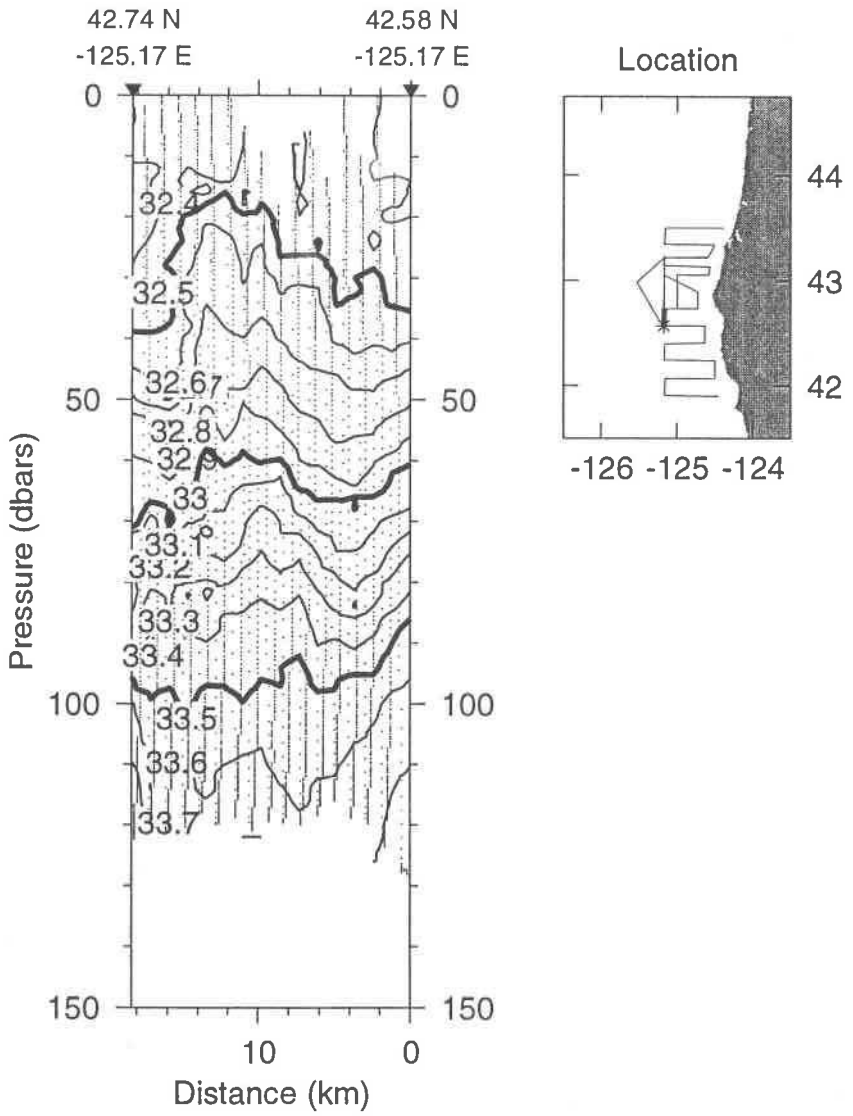

Line 19 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
32.4
32.5
32.6
32.7
32.8
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7
Location
44
43
42
-126
-125
-124

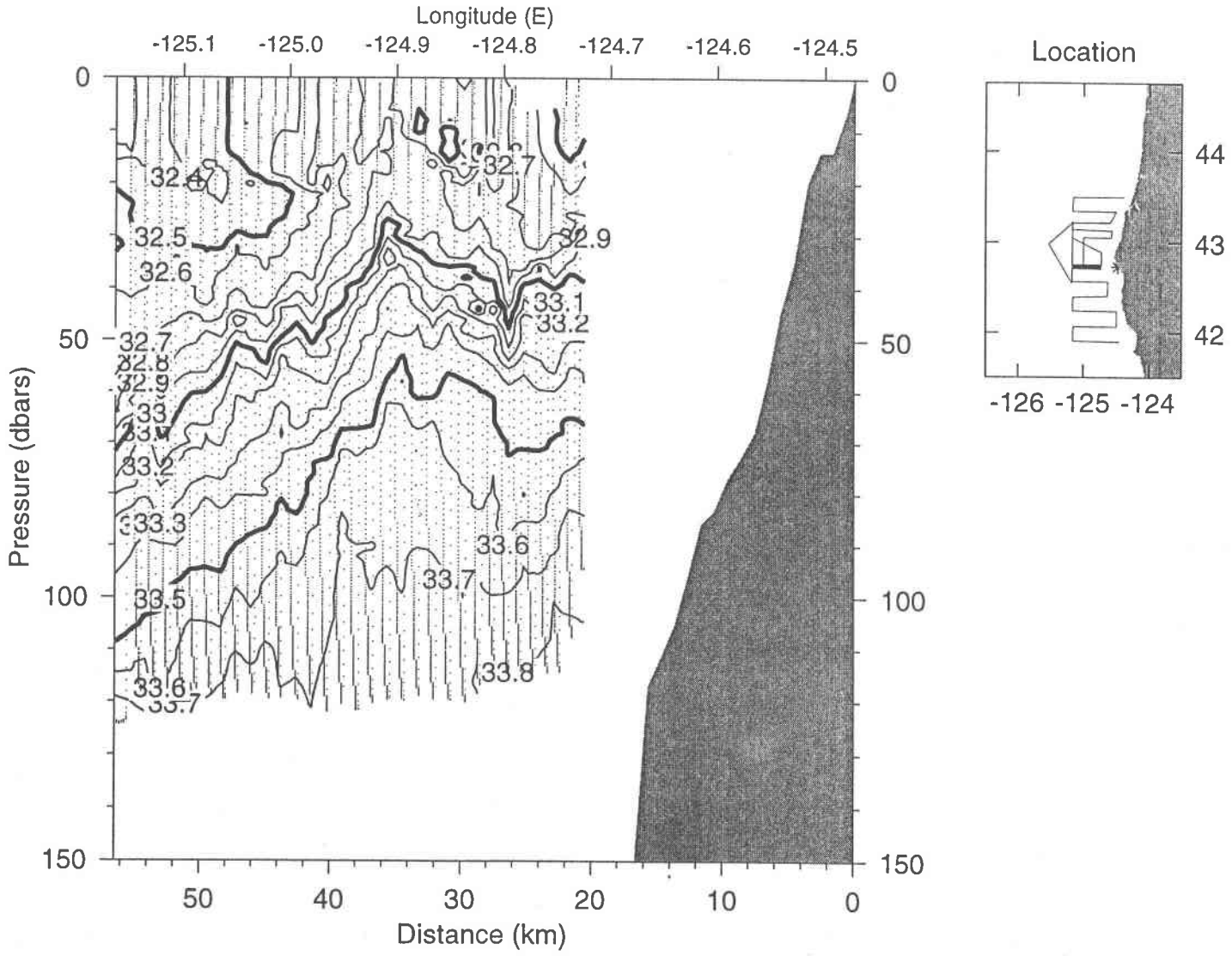
Line 19-20 Salinity (PSS)



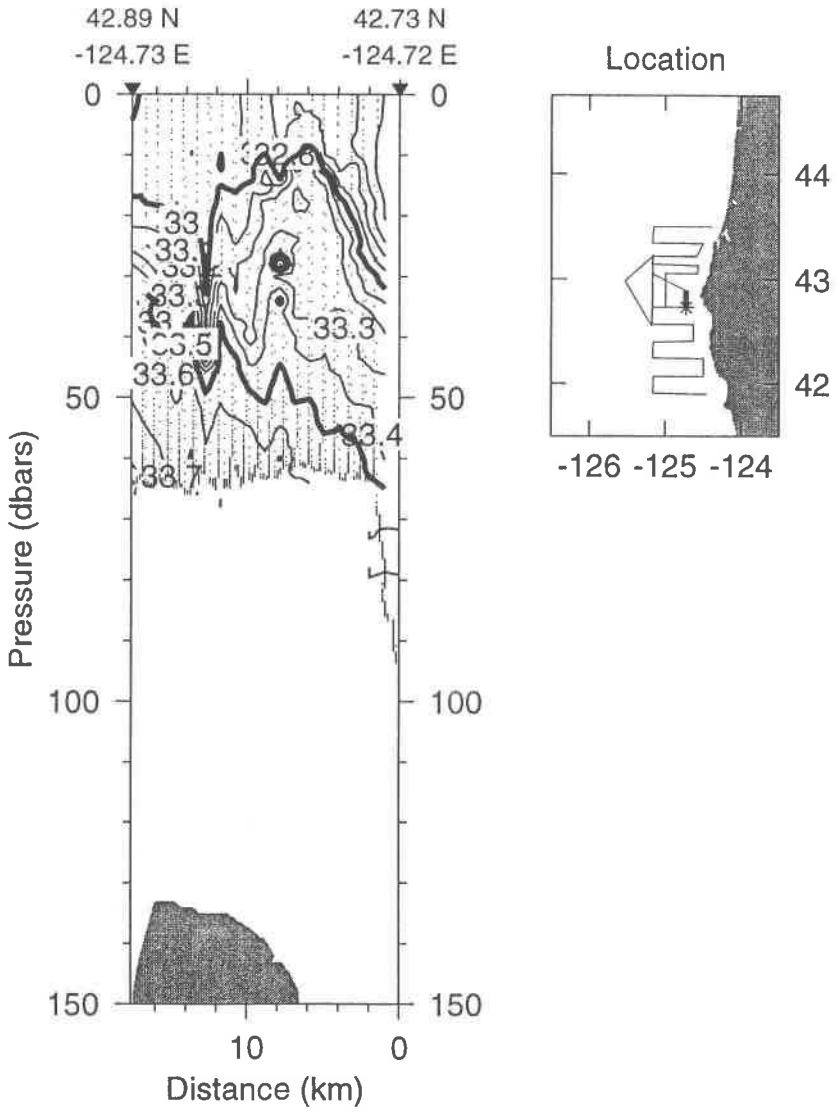

Line 20 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
32.4
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.4
33.5
33.6
33.7.8
Distance (km)
60
50
40
30
20
10
0

Line 20-21 Salinity (PSS)

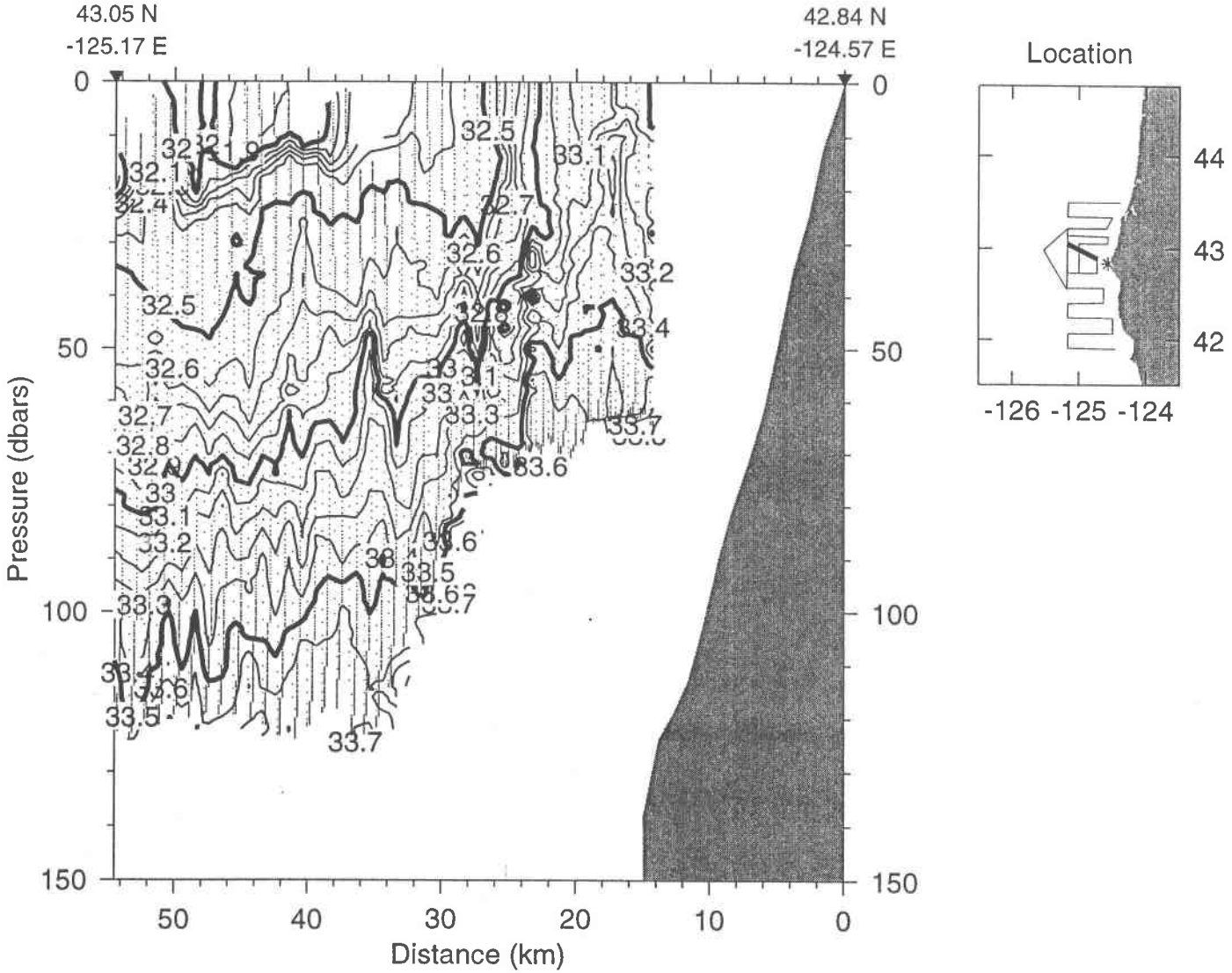



Line 21 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
32.4
32.5
32.6
32.7
32.9
33.1
33.2
33.3
33.5
33.6
33.7
33.8
50
40
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

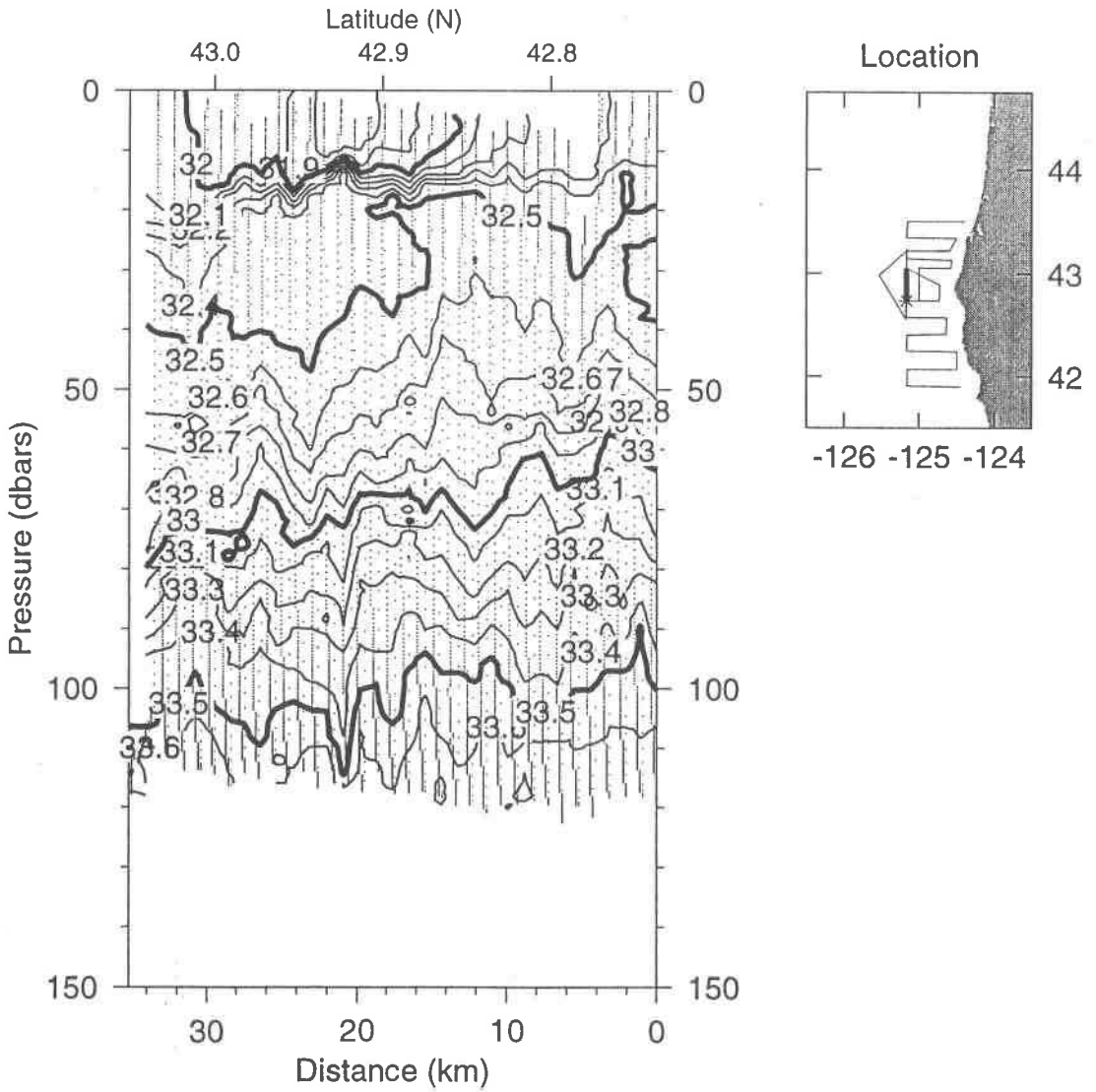
Line 21-22 Salinity (PSS)



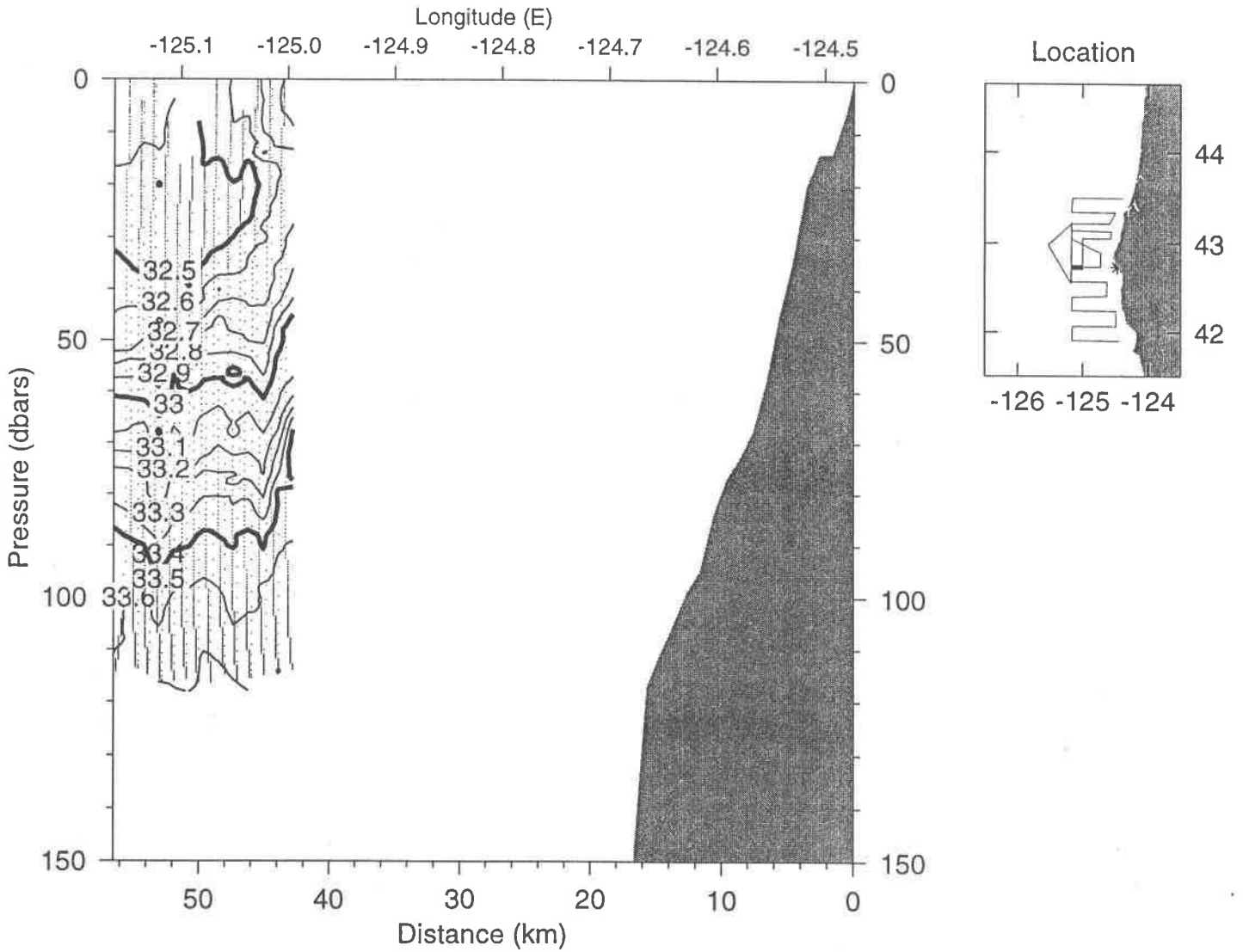
Line 22 Salinity (PSS)



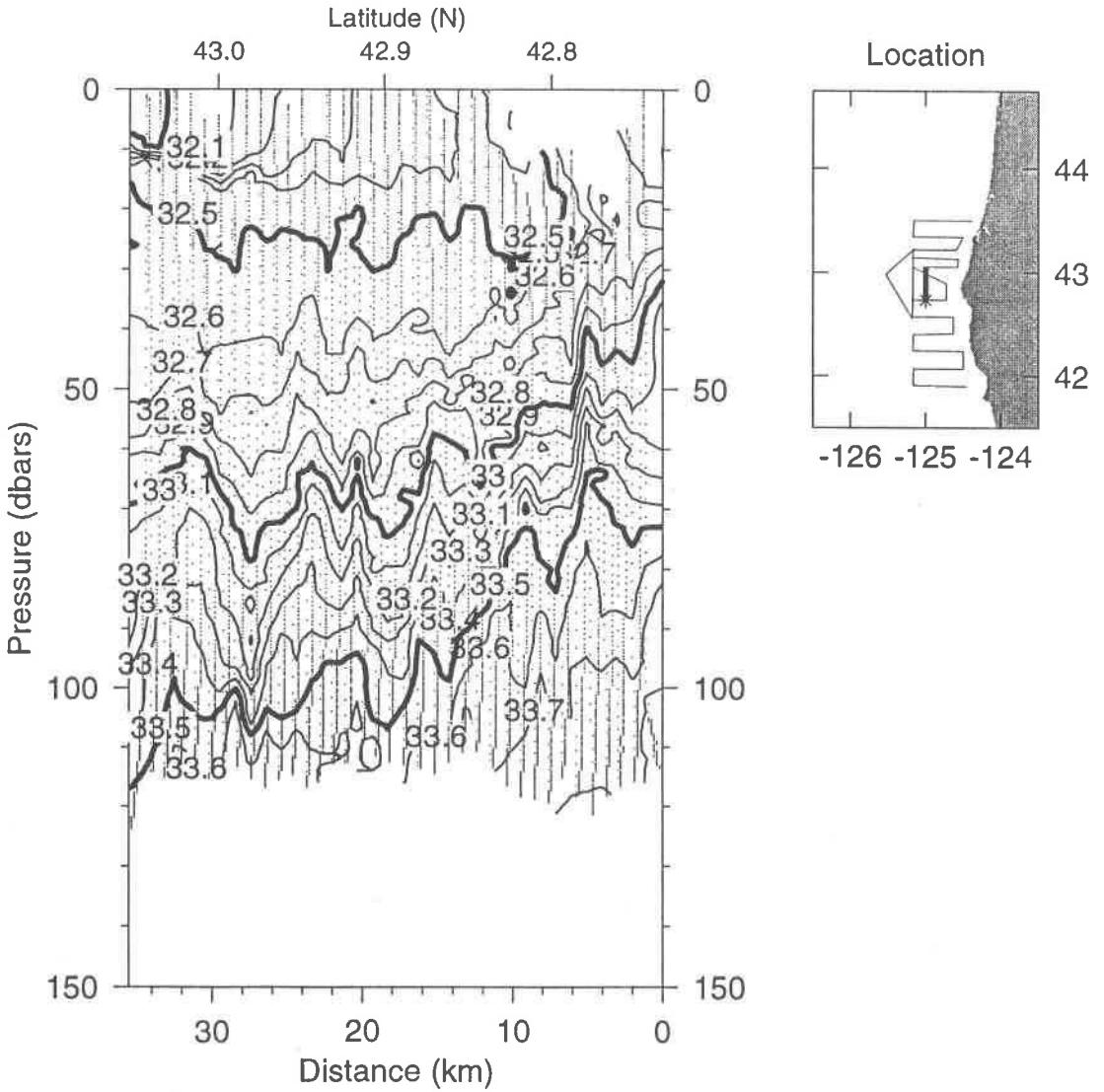
Line 23 Salinity (PSS)

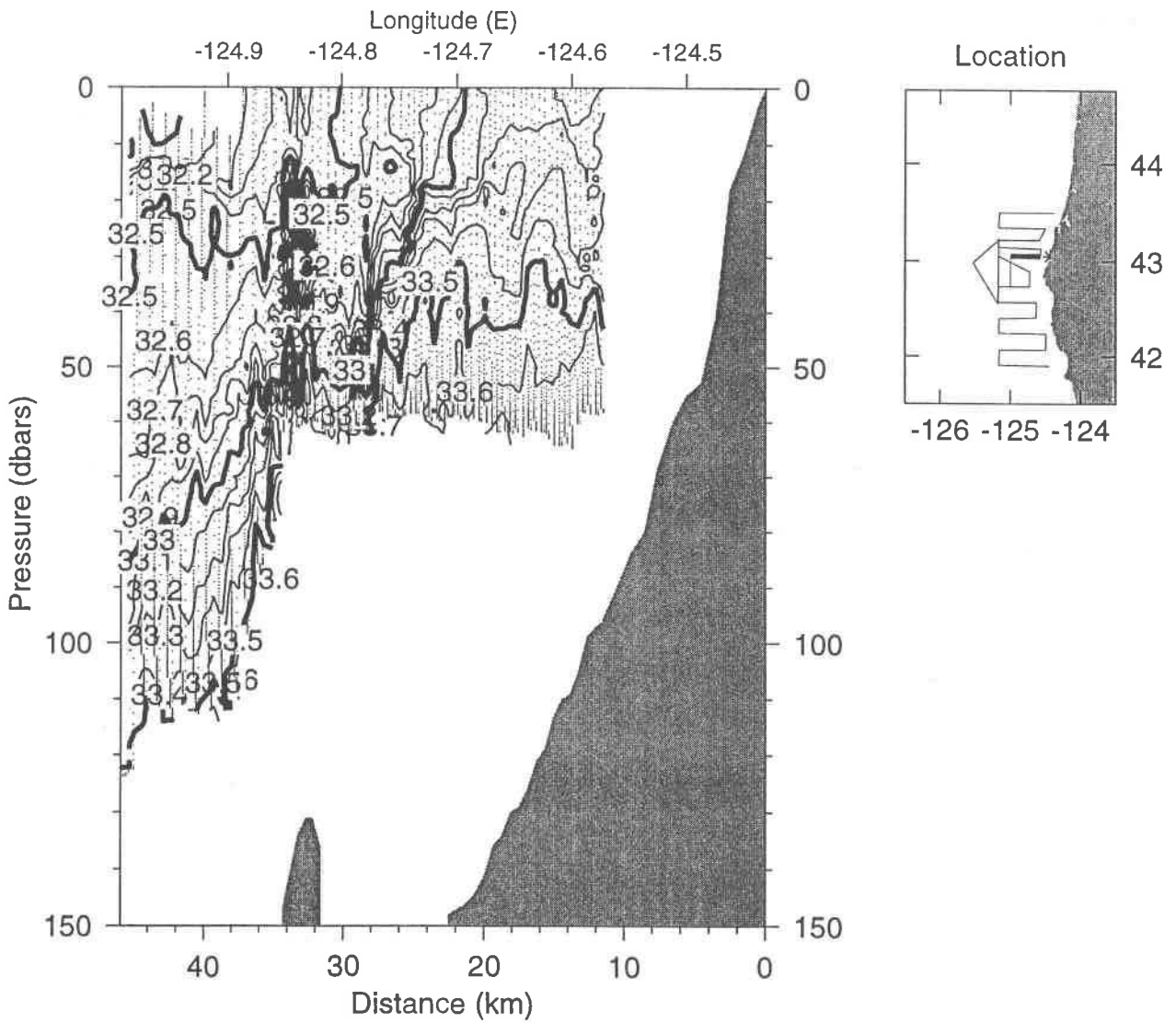


Line 23-24 Salinity (PSS)

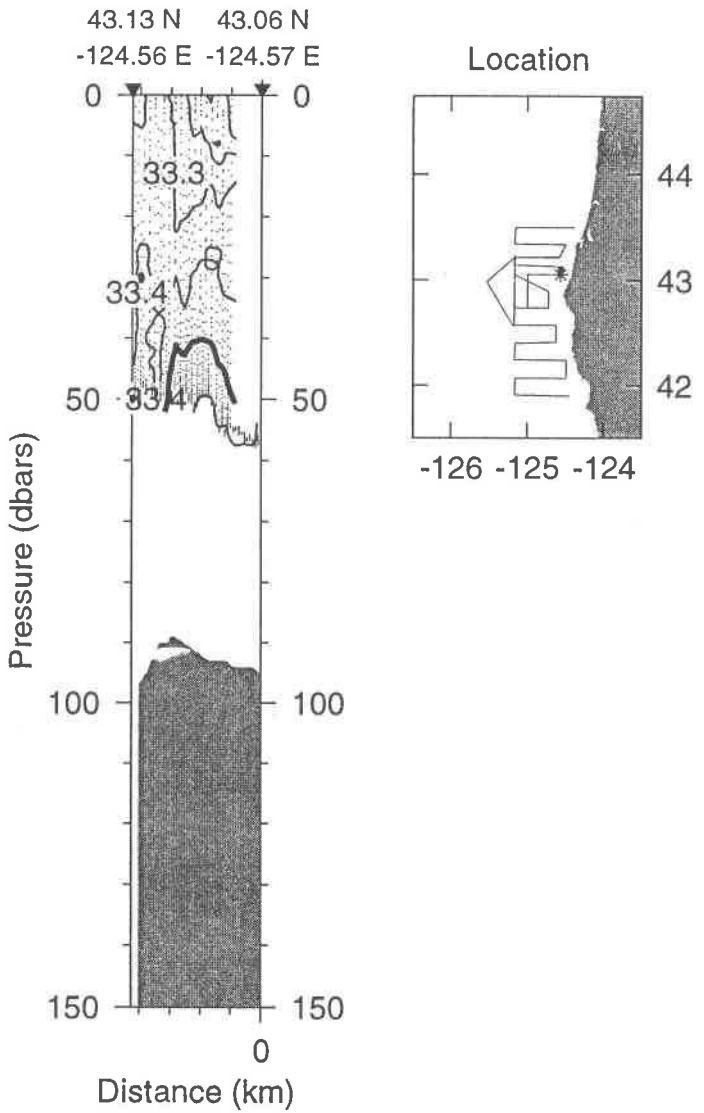


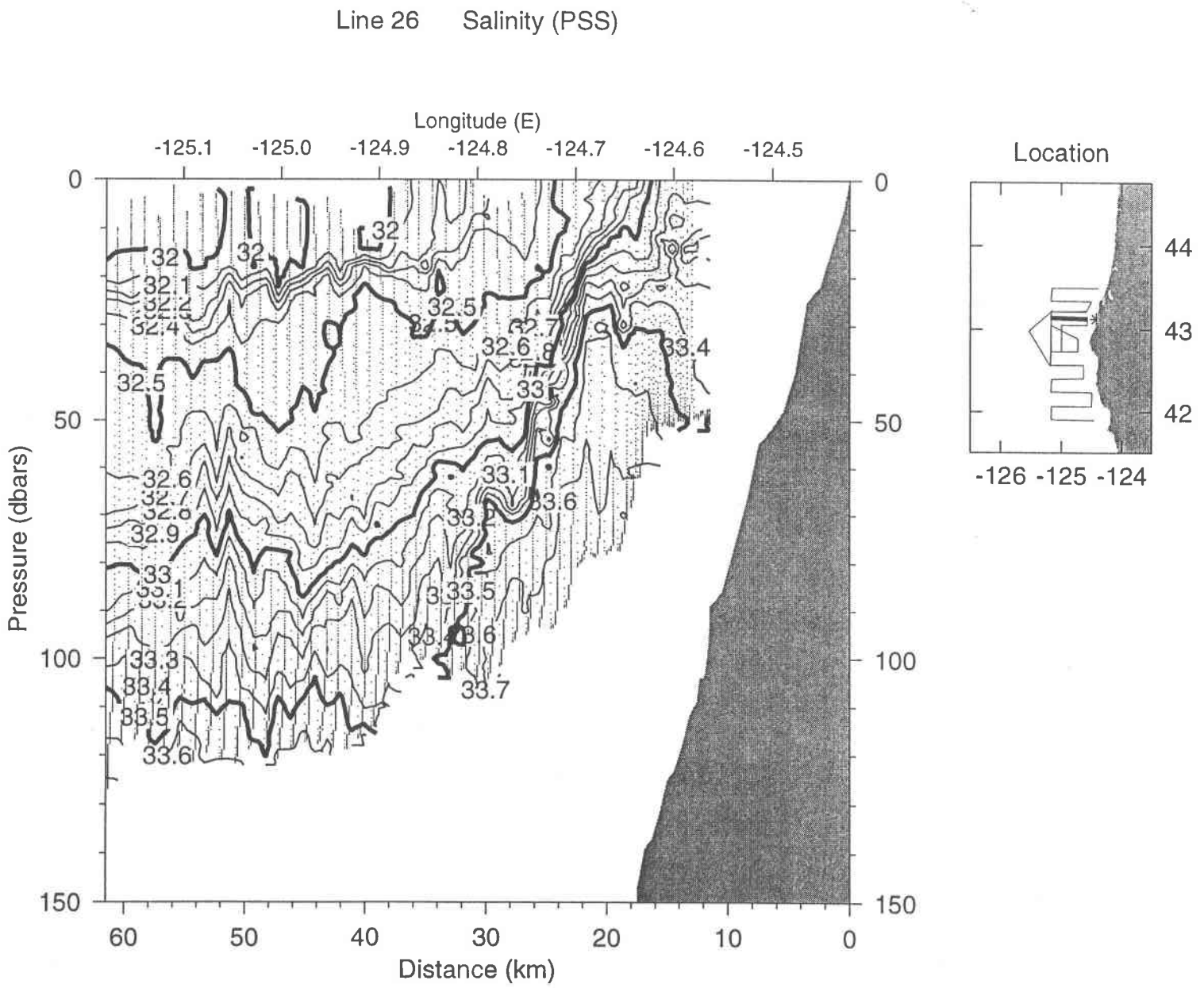
Line 24 Salinity (PSS)



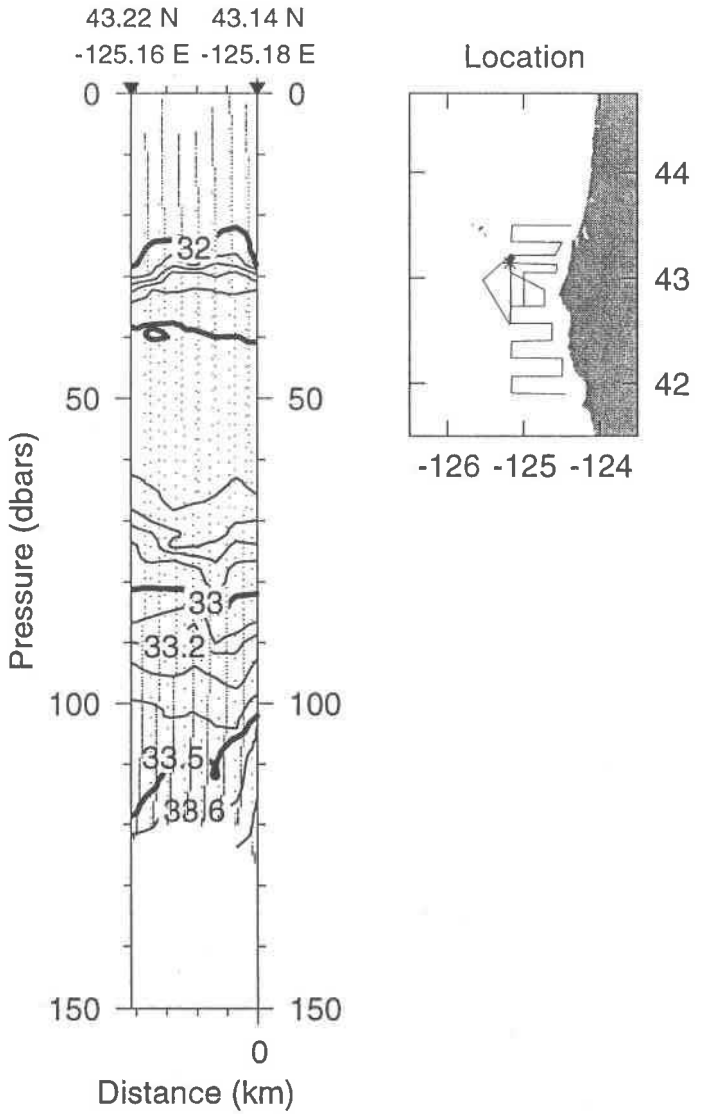

Line 25 Salinity (PSS)
Longitude (E)
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
40
30
20
10
0
32.2
32.5
32.6
33.5
33
33.6
32.7
32.8
33
33.1
33.2
33.3
33.5
Location
44
43
42
-126 -125 -124

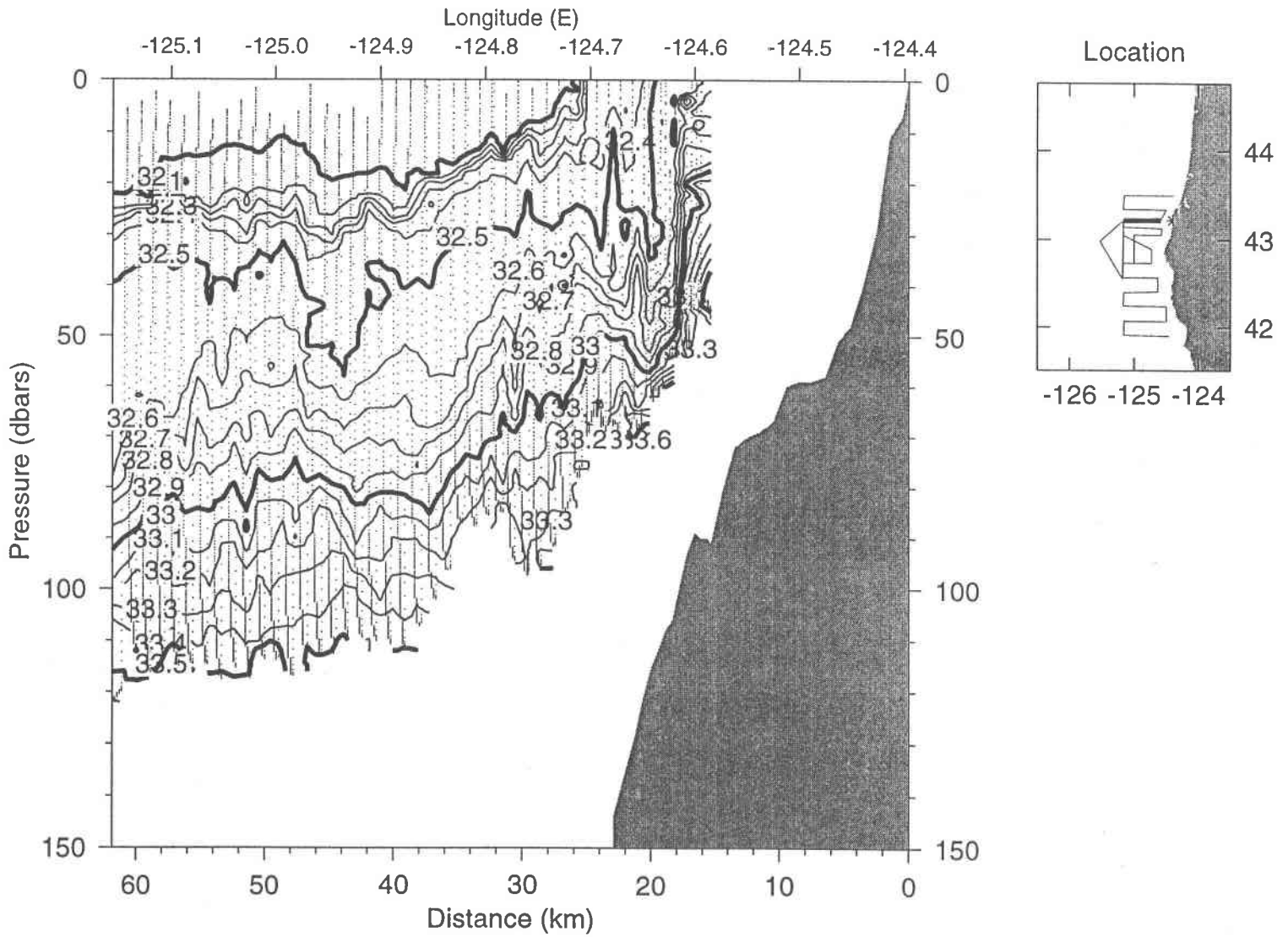
Line 25-26 Salinity (PSS)



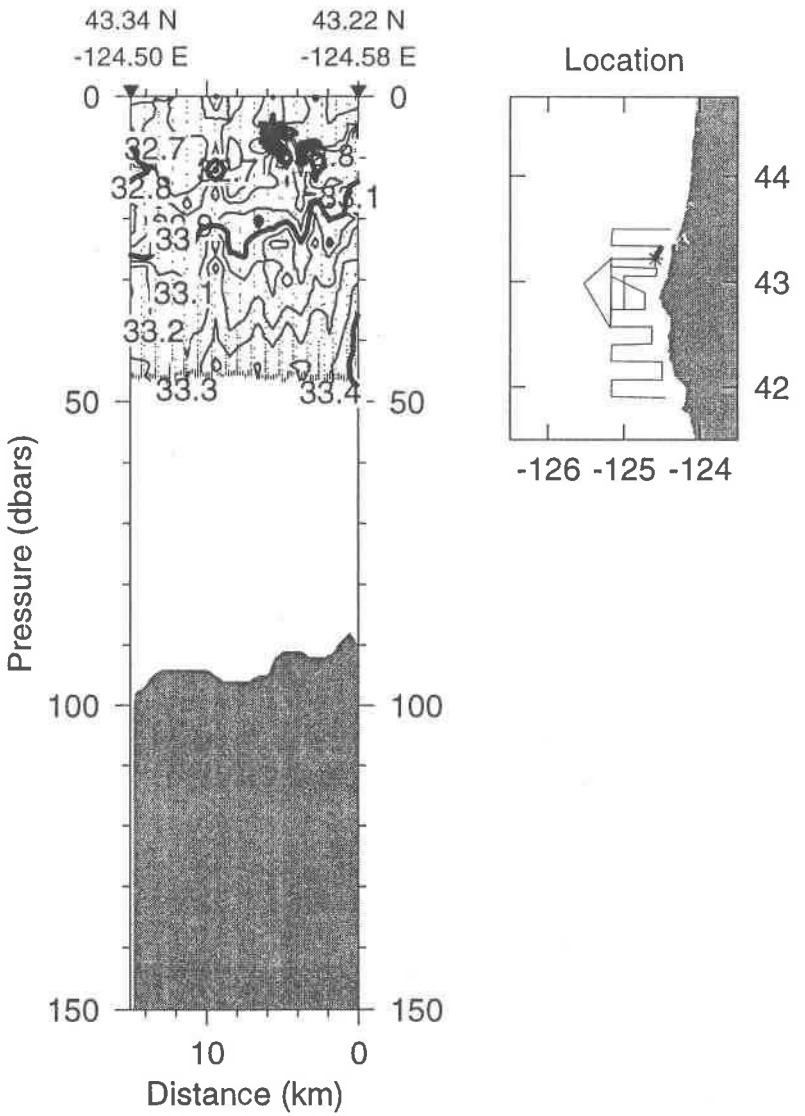

Line 26 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

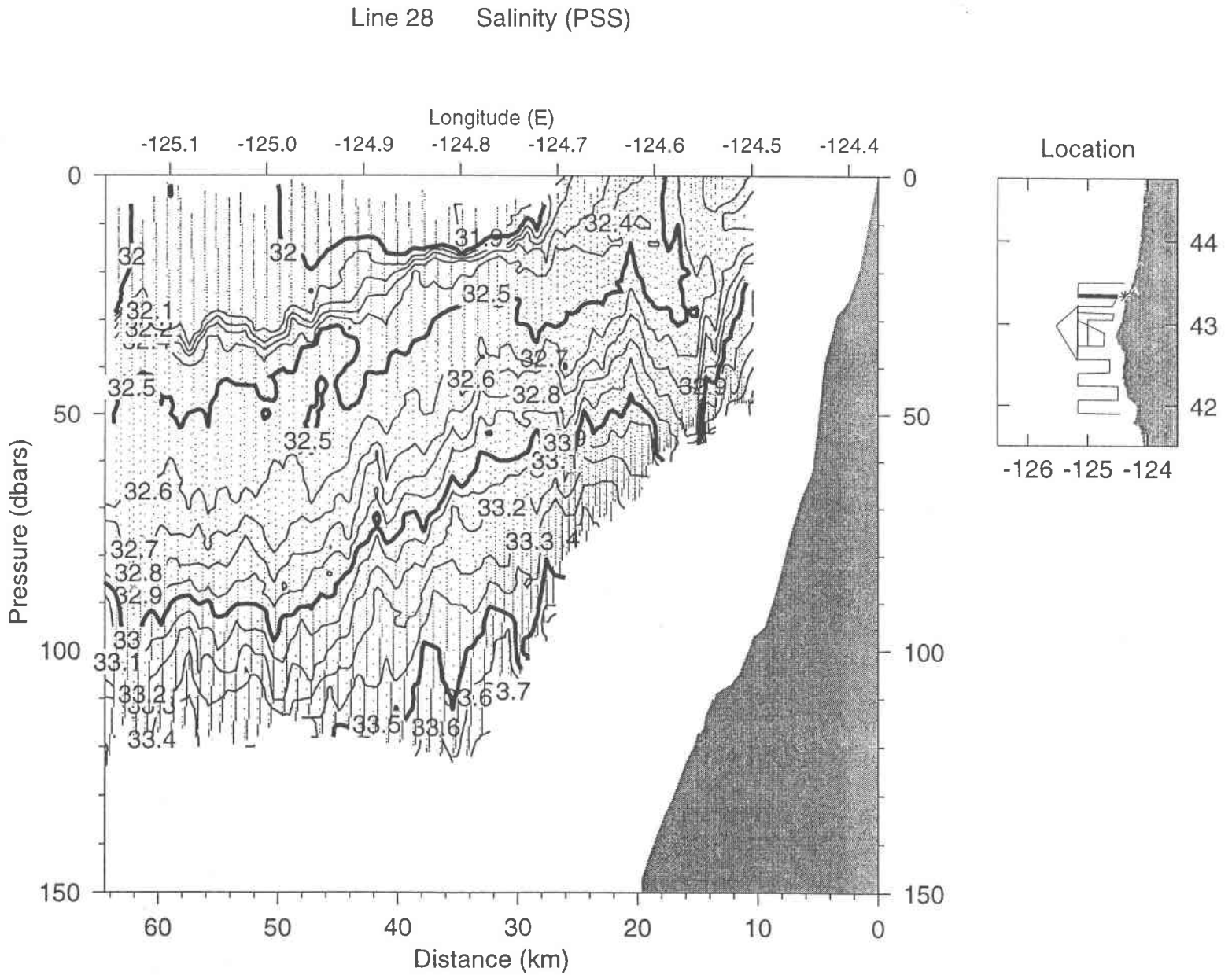
Line 26-27 Salinity (PSS)



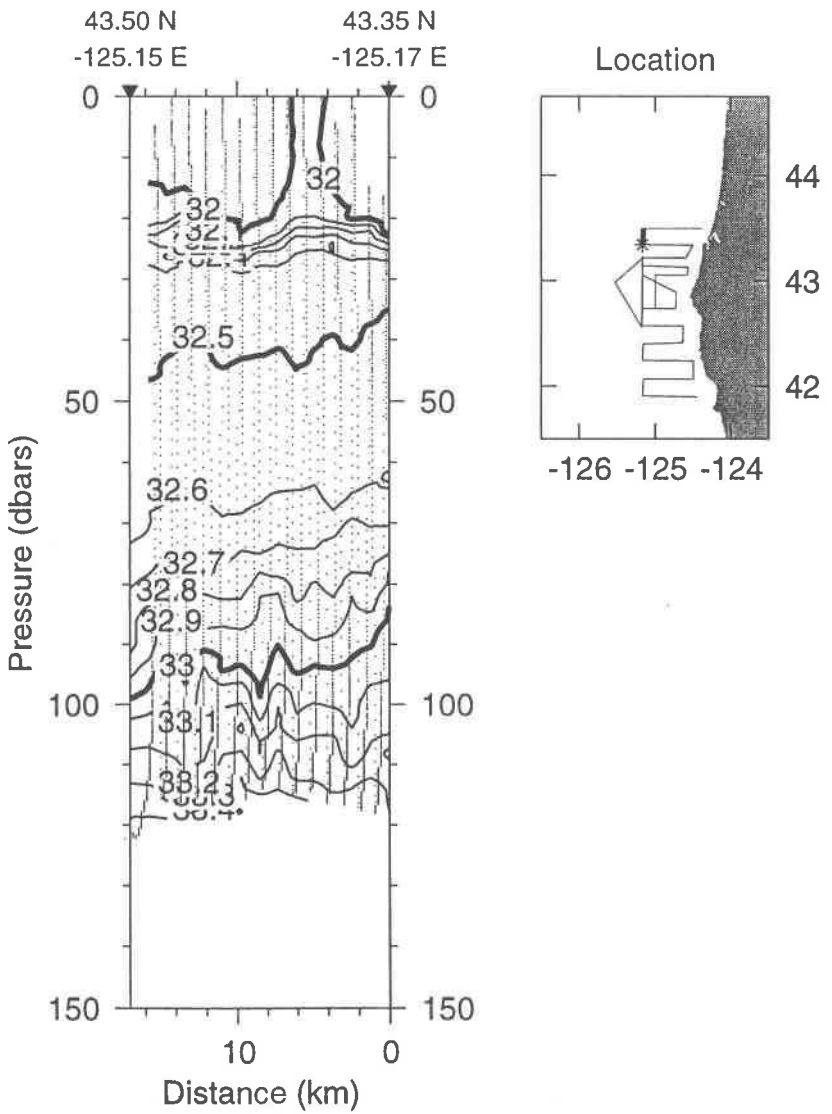

Line 27 Salinity (PSS)
Longitude (E)
-125.1 -125.0 -124.9 -124.8 -124.7 -124.6 -124.5 -124.4
Pressure (dbars)
0 50 100 150
Distance (km)
60 50 40 30 20 10 0
32.1
32.5
32.6
32.7
32.8
32.9
33
33.1
33.2
33.3
33.6
Location
44
43
42
-126 -125 -124

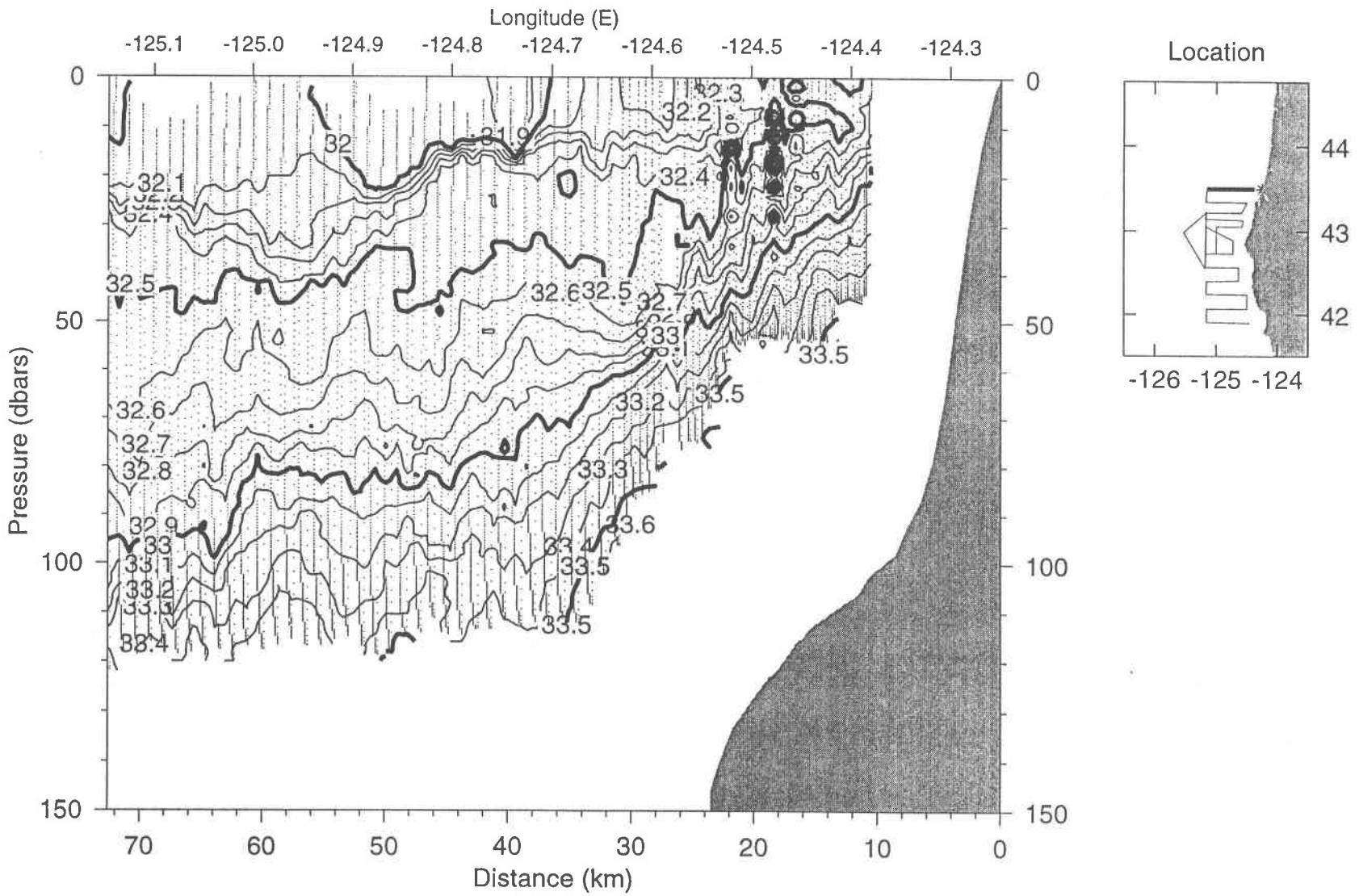
Line 27-28 Salinity (PSS)

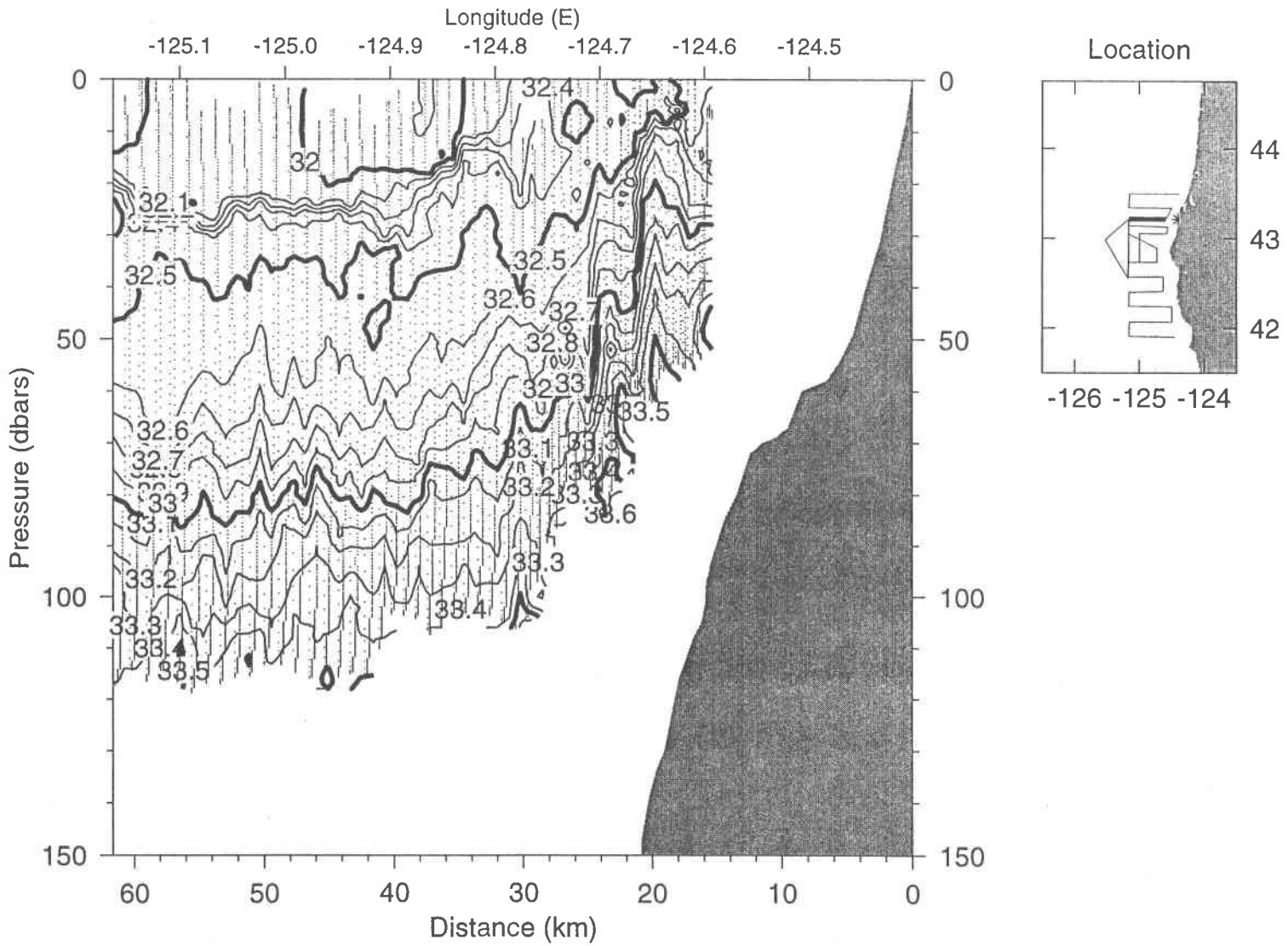



Line 28 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

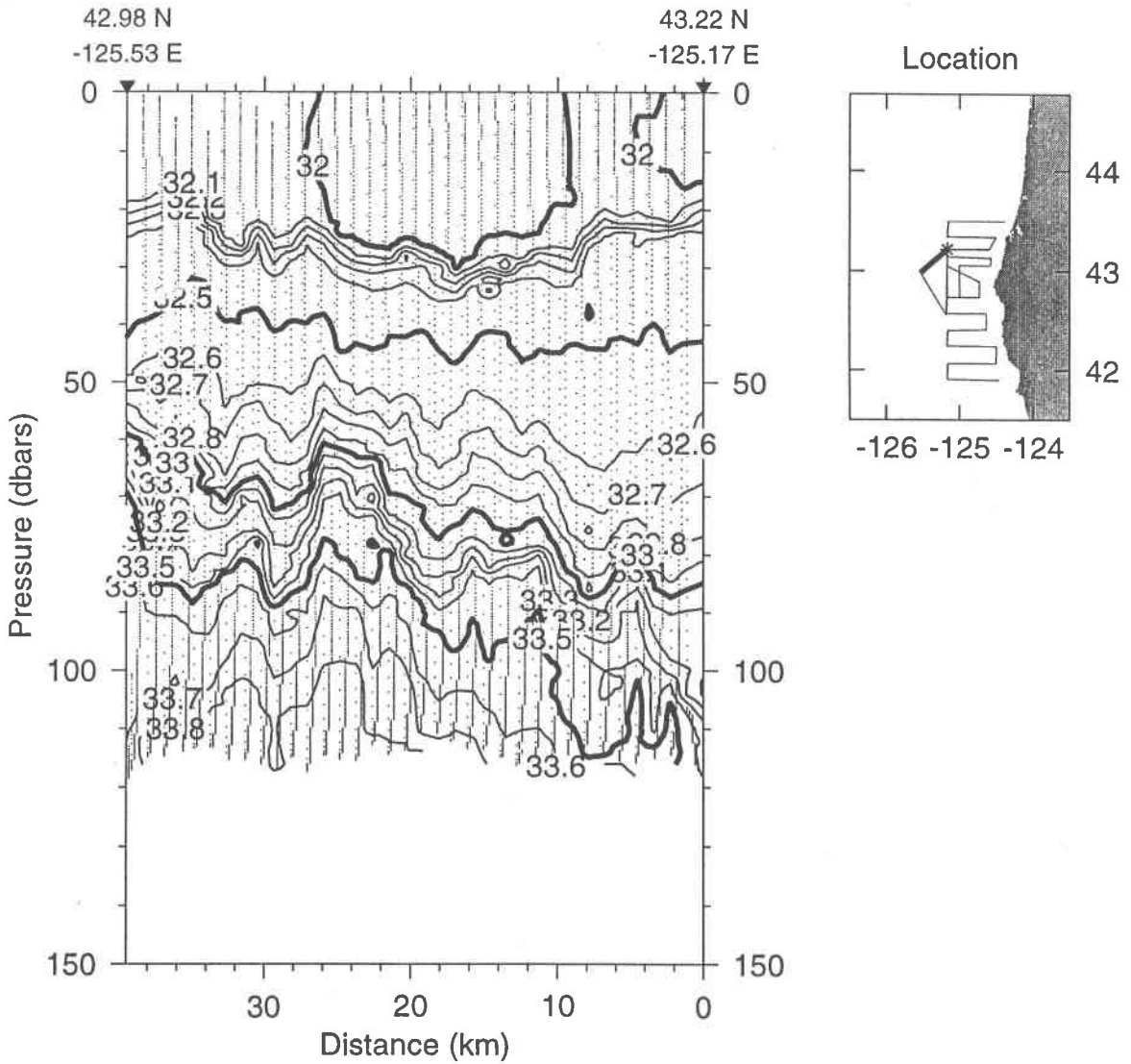
Line 28-29 Salinity (PSS)

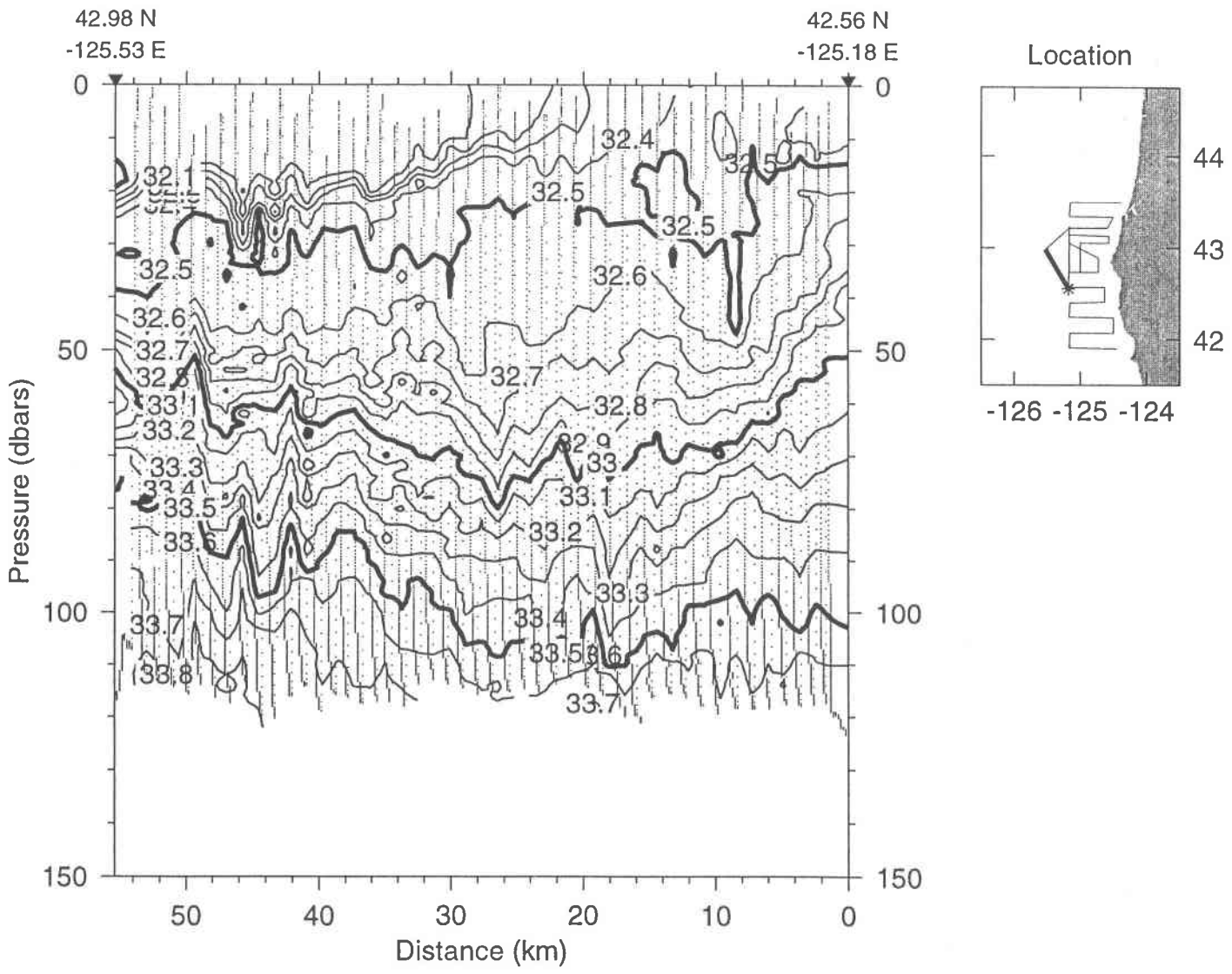


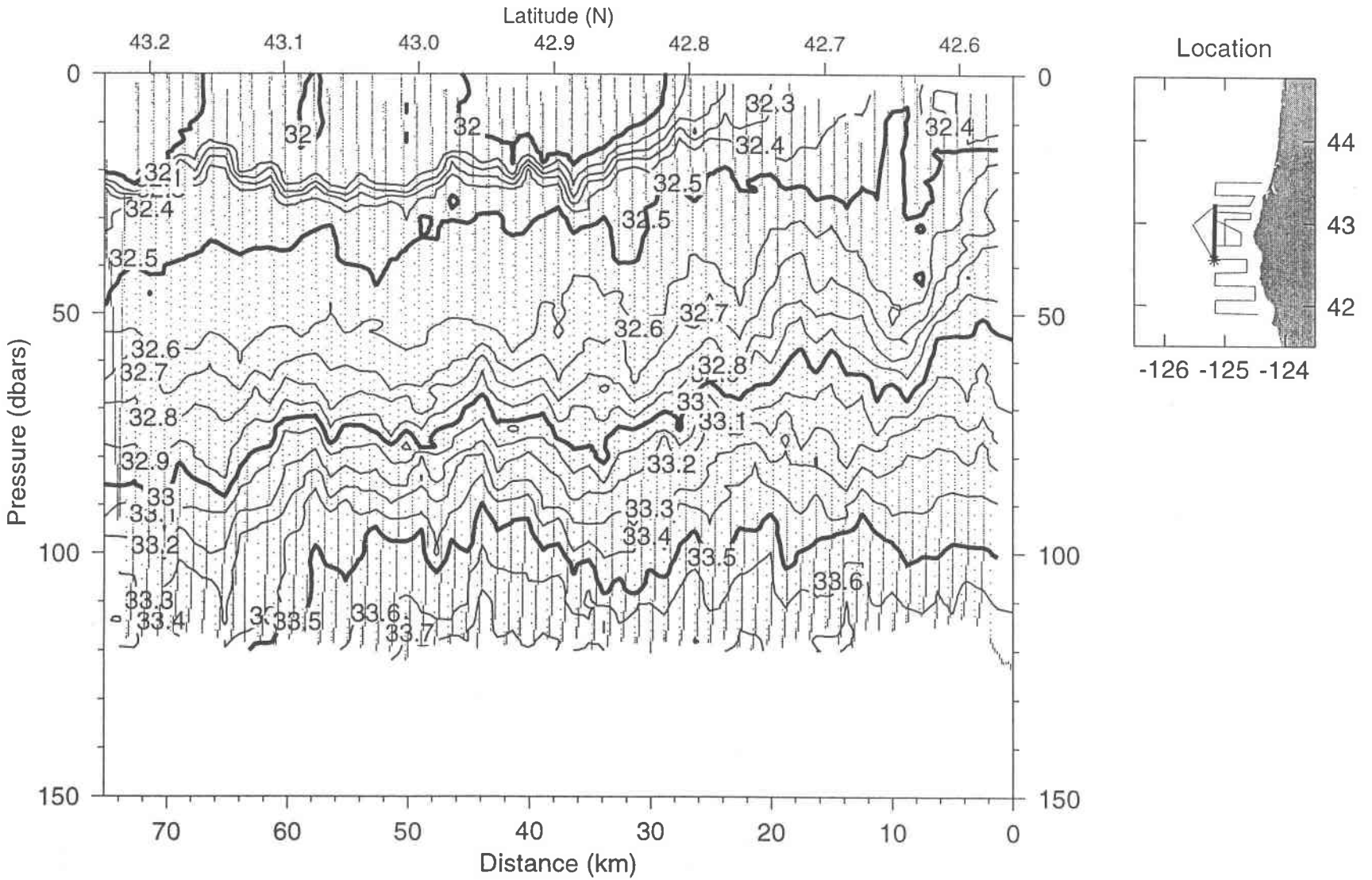

Line 29 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
-124.3
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
Distance (km)
70
60
50
40
30
20
10
0
32
32.1
32.2
32.3
32.4
32.5
32.6
32.7
32.8
33
33.1
33.2
33.3
33.4
33.5
33.6

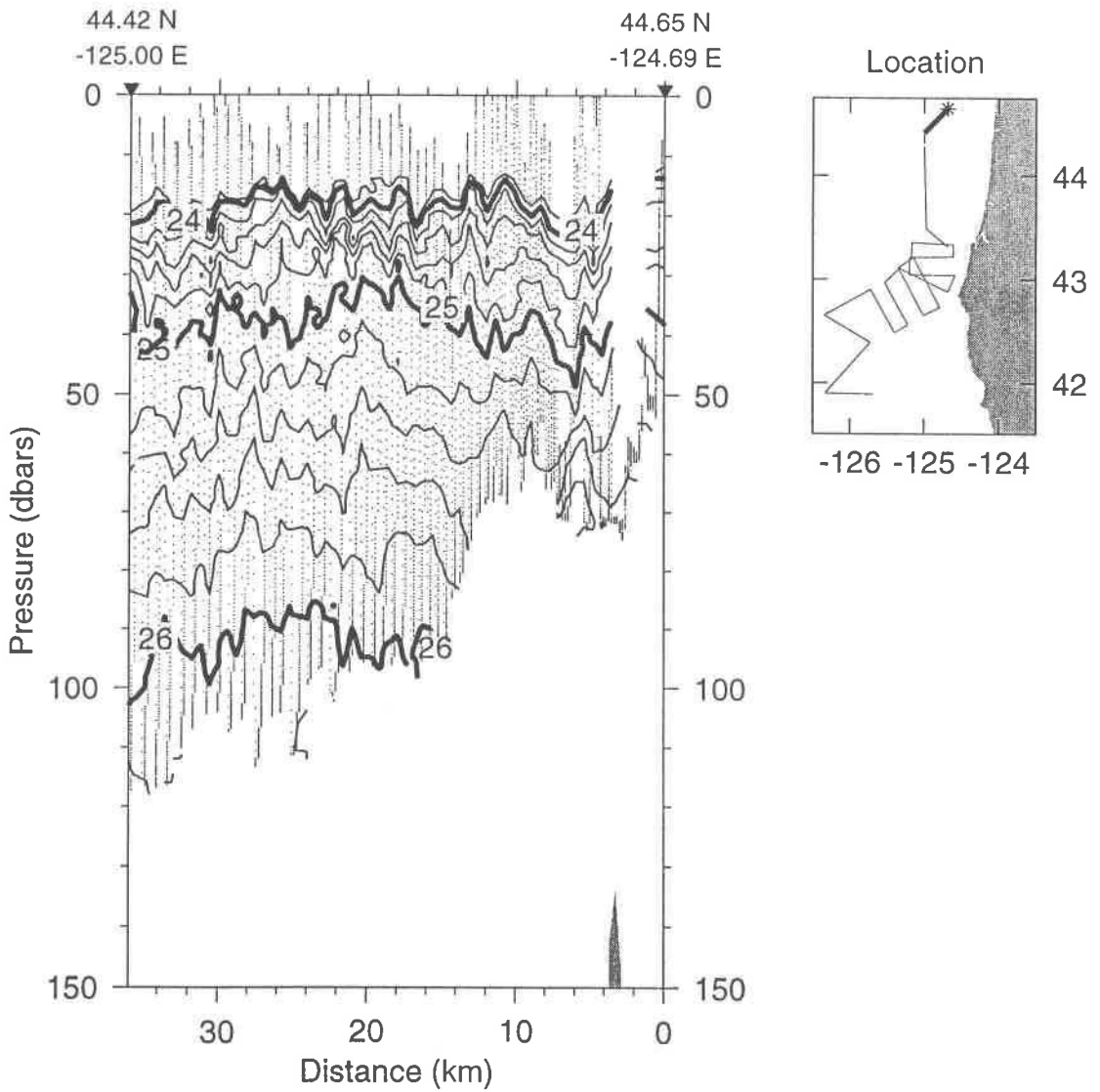

Line 30 Salinity (PSS)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
32.4
32
32.1
32.5
32.6
32.7
32.8
33
33.1
33.2
33.3
33.4
33.5
33.6
Location
44
43
42
-126 -125 -124

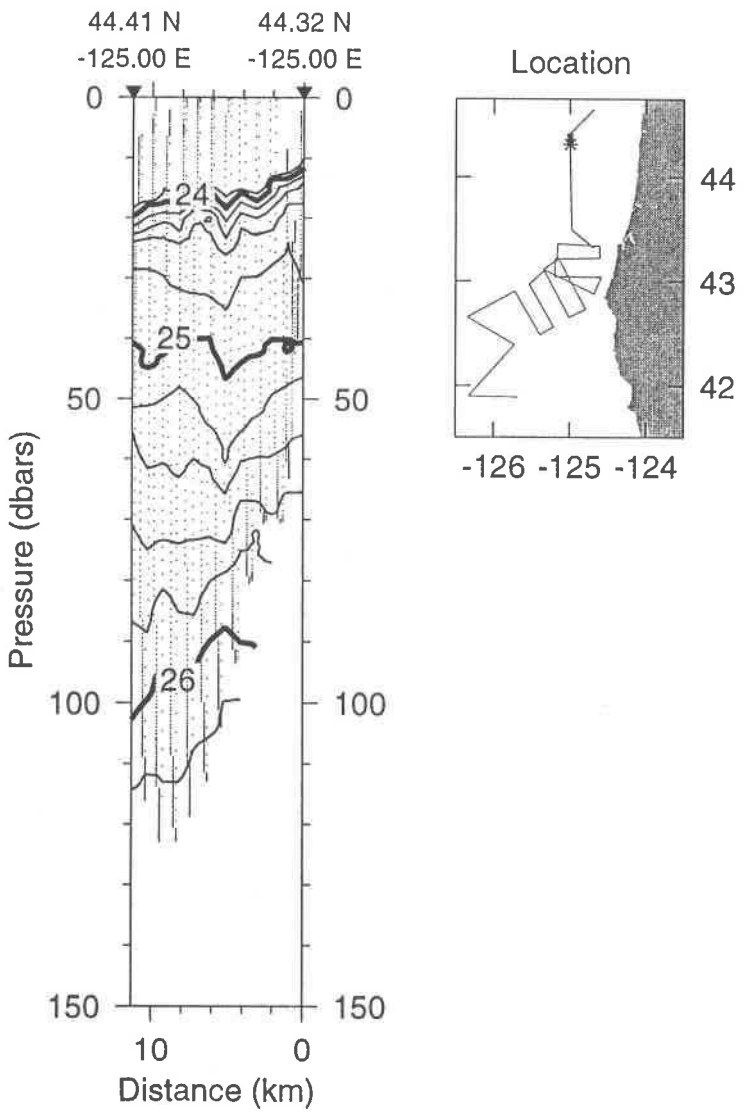
Line 31 Salinity (PSS)

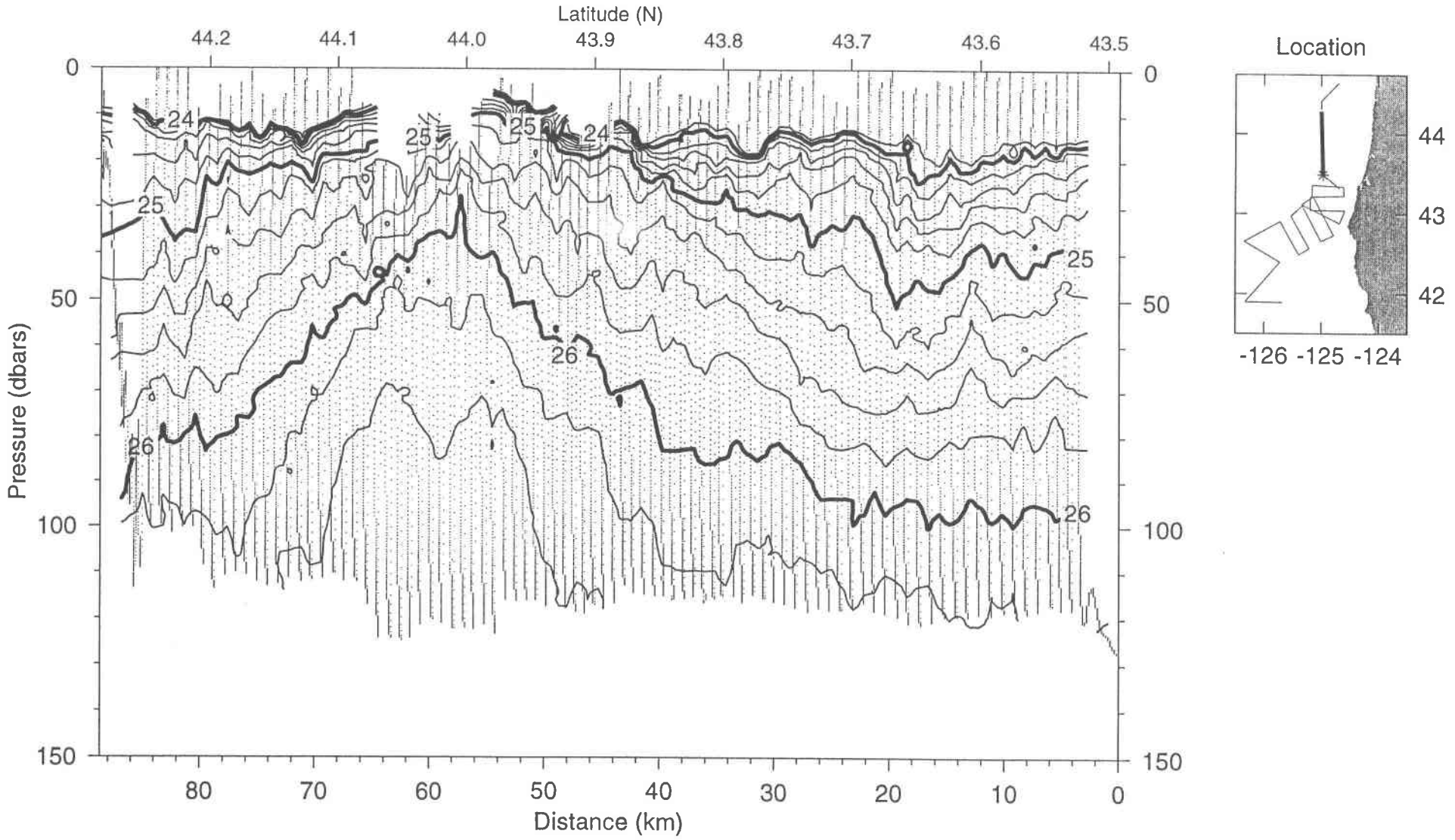


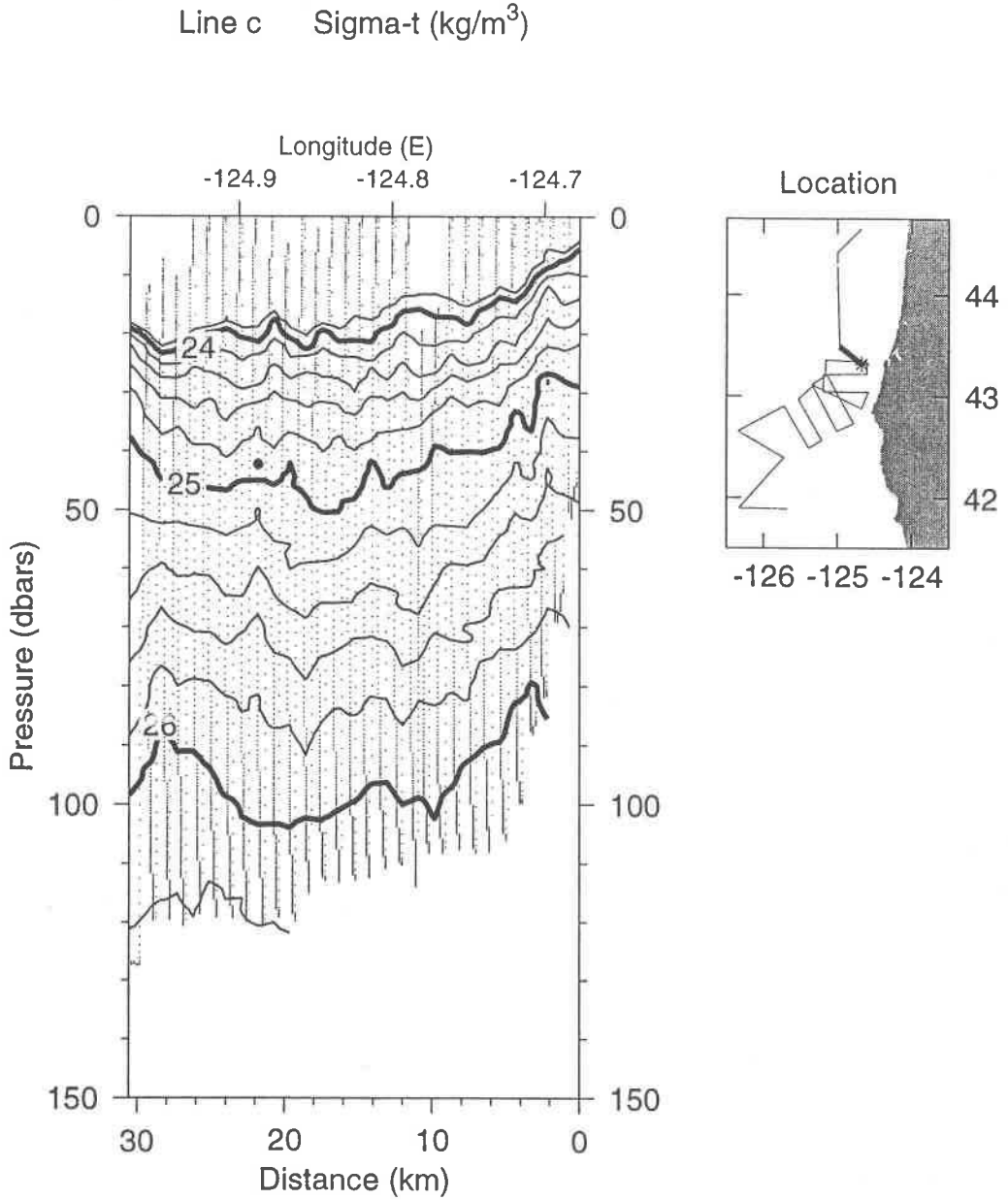

Line 32 Salinity (PSS)
42.98 N
-125.53 E
42.56 N
-125.18 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124
32.1
32.4
32.5
32.6
32.7
32.8
33.1
33.2
33.3
33.4
33.5
33.6
33.7
33.8
33

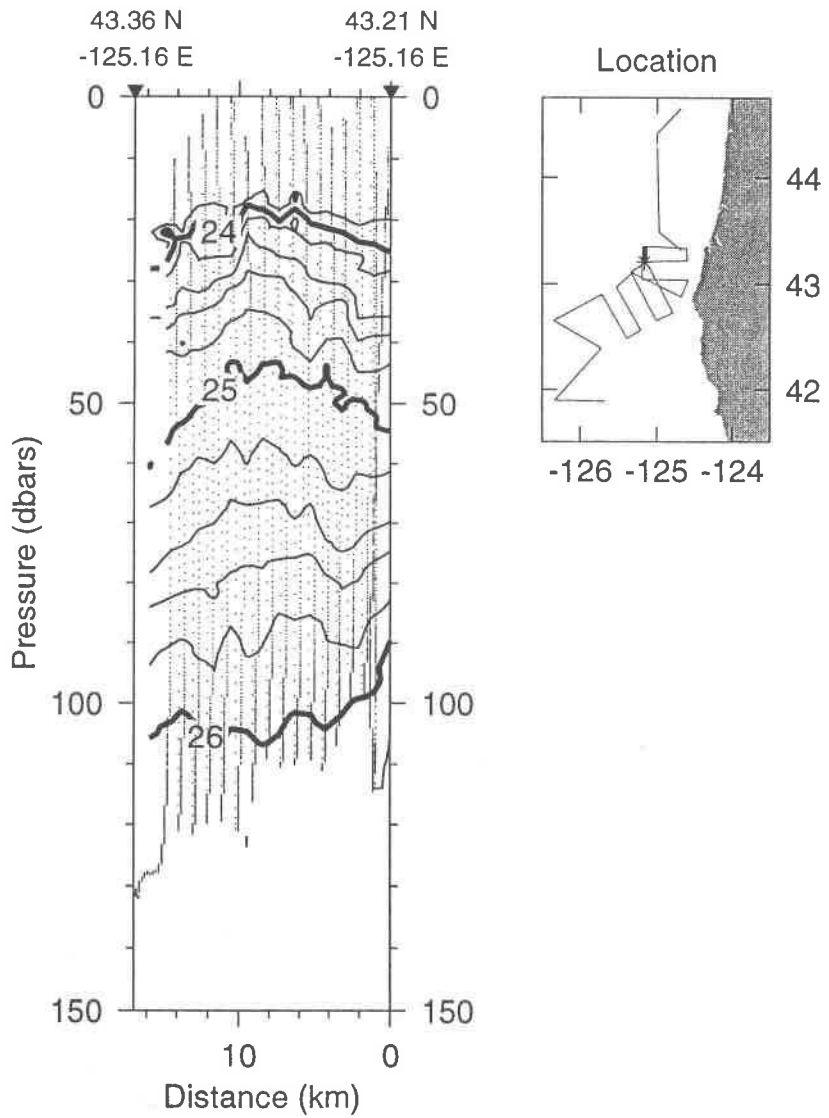

Line 33 Salinity (PSS)
Latitude (N)
43.2
43.1
43.0
42.9
42.8
42.7
42.6
Pressure (dbars)
0
50
100
150
Distance (km)
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

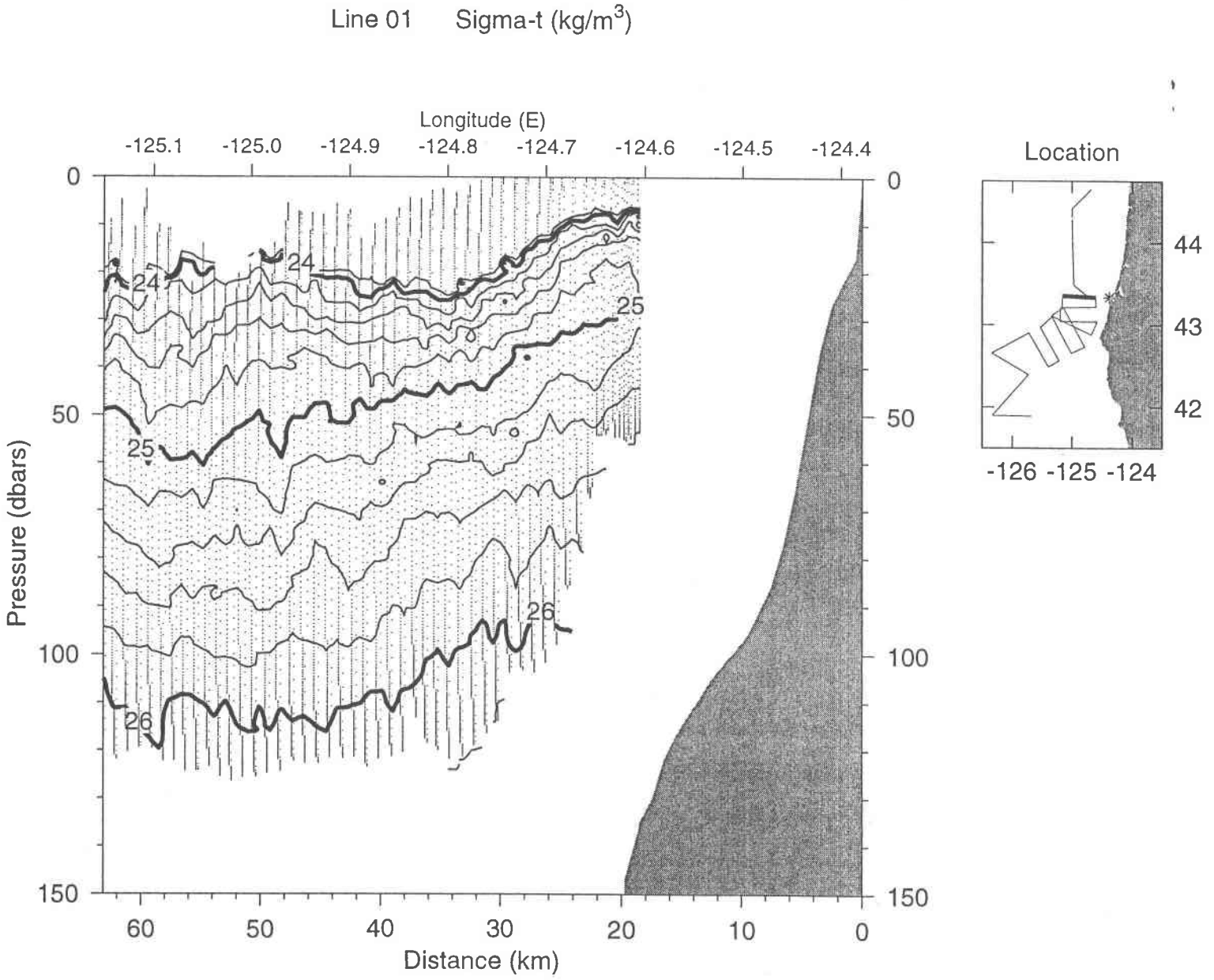

Line a Sigma-t (kg/m3)
44.42 N
-125.00 E
44.65 N
-124.69 E
Location
24
25
26
Pressure (dbars)
Distance (km)
0
50
100
150
30
20
10
0
44
43
42
-126 -125 -124


Line b0 Sigma-t (kg/m3)
44.41 N
-125.00 E
44.32 N
-125.00 E
Location
0
0
24
25
26
50
50
100
100
150
150
Pressure (dbars)
10
0
Distance (km)
44
43
42
-126 -125 -124

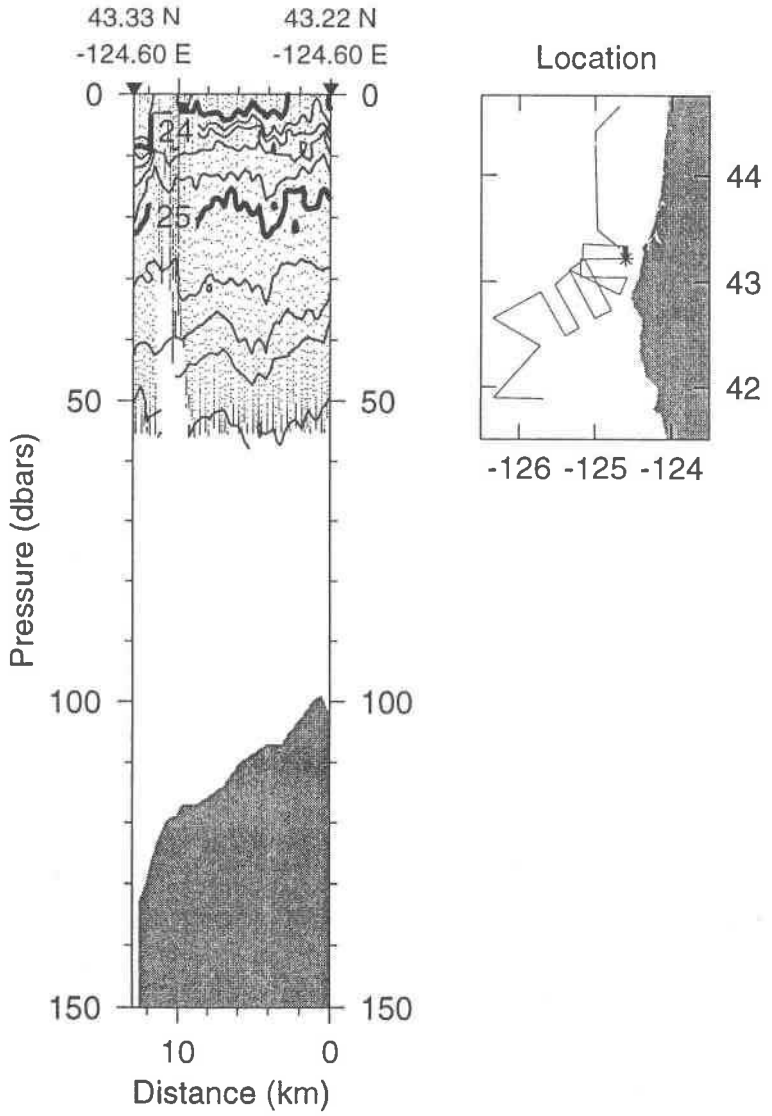

Line b Sigma-t (kg/m3)
Latitude (N)
44.2
44.1
44.0
43.9
43.8
43.7
43.6
43.5
Pressure (dbars)
0
50
100
150
24
25
26
Distance (km)
80
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

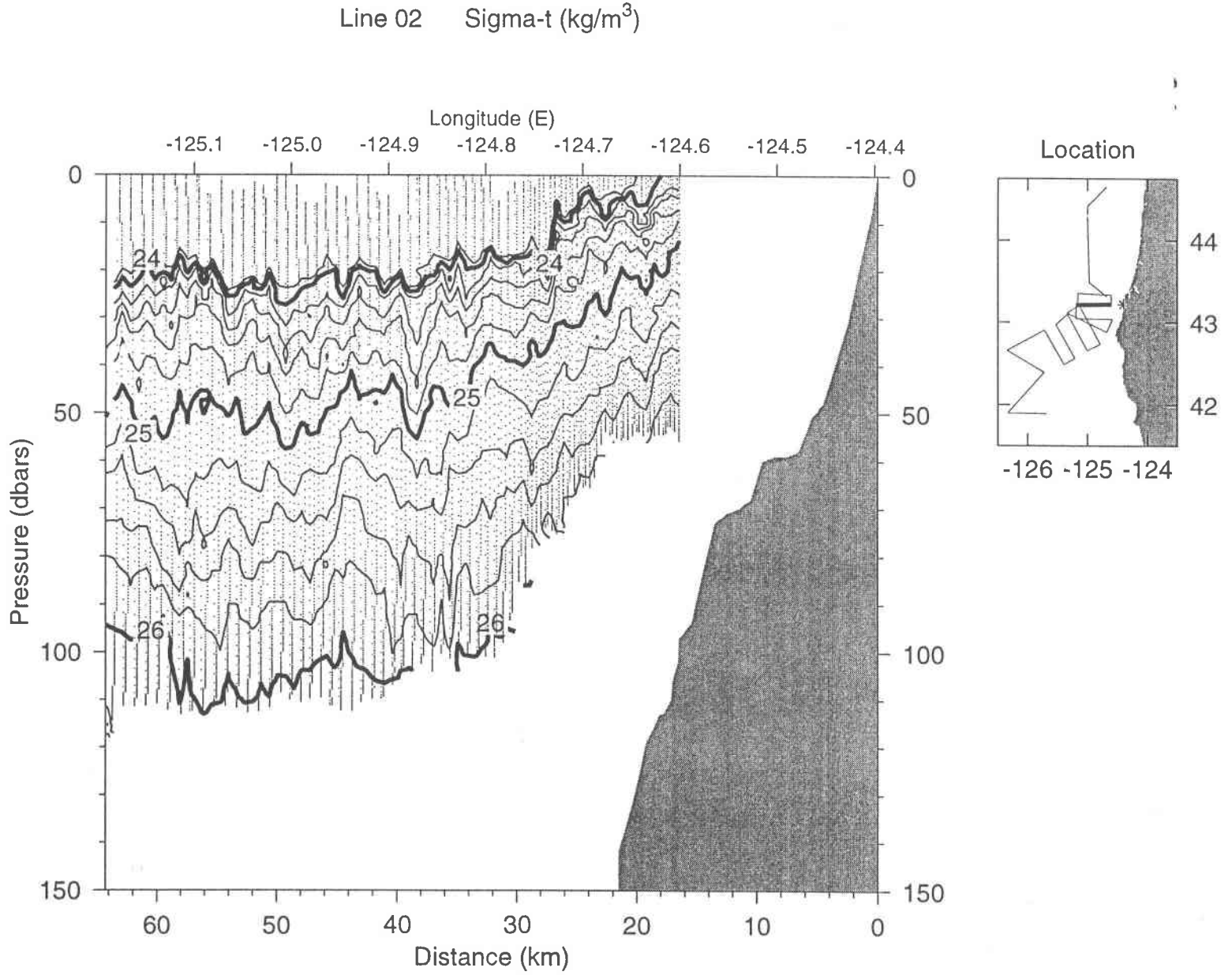

Line c Sigma-t (kg/m3)
Longitude (E)
-124.9
-124.8
-124.7
0
50
100
150
24
25
26
Pressure (dbars)
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

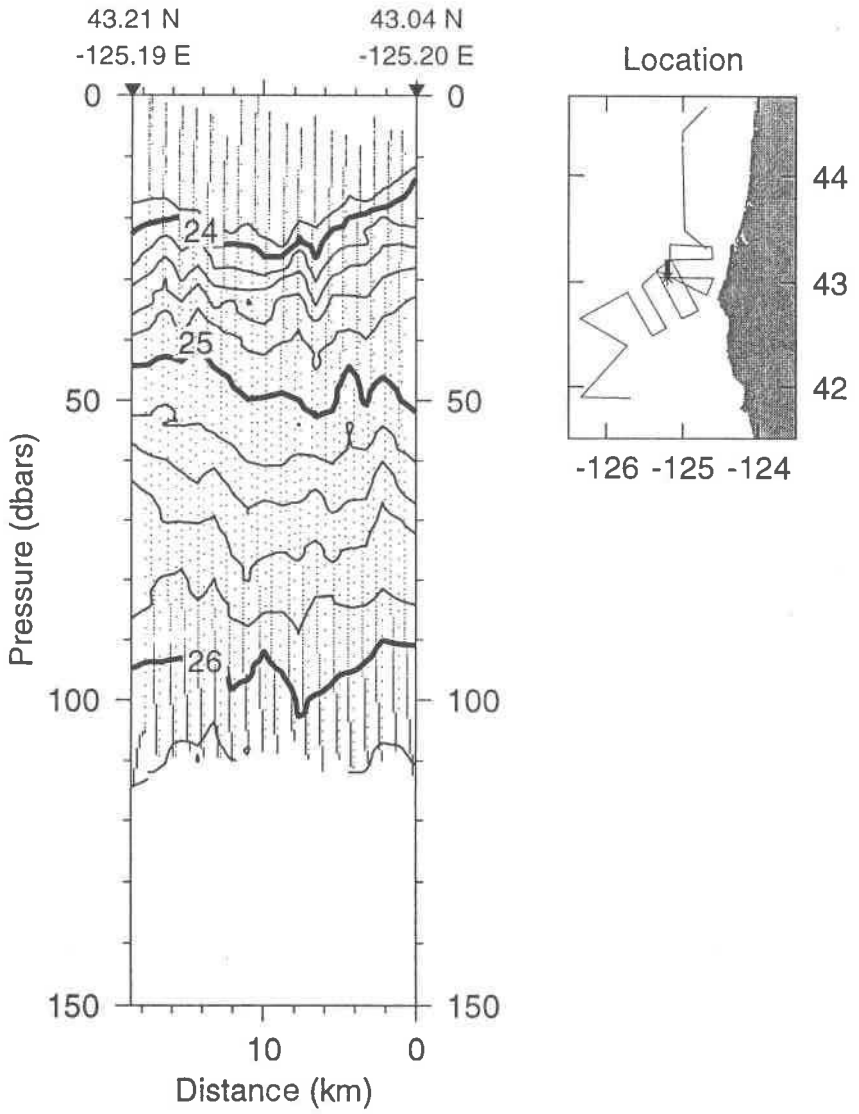

Line 00-01 Sigma-t (kg/m3)
43.36 N
-125.16 E
43.21 N
-125.16 E
Location
0
50
100
150
24
25
26
Pressure (dbars)
10
0
Distance (km)
44
43
42
-126 -125 -124

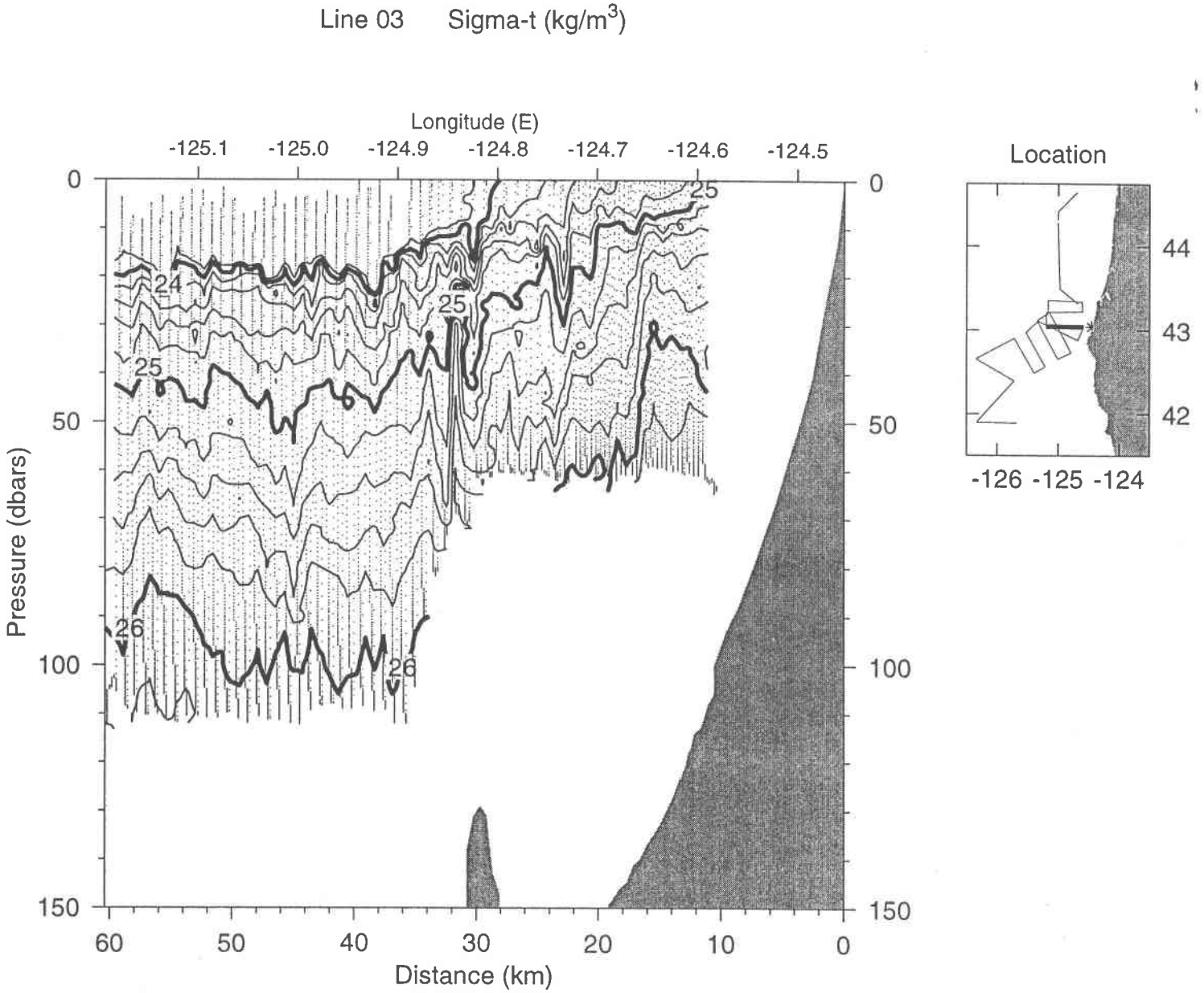

Line 01 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
24
25
26
60
50
40
30
20
10
0
Distance (km)

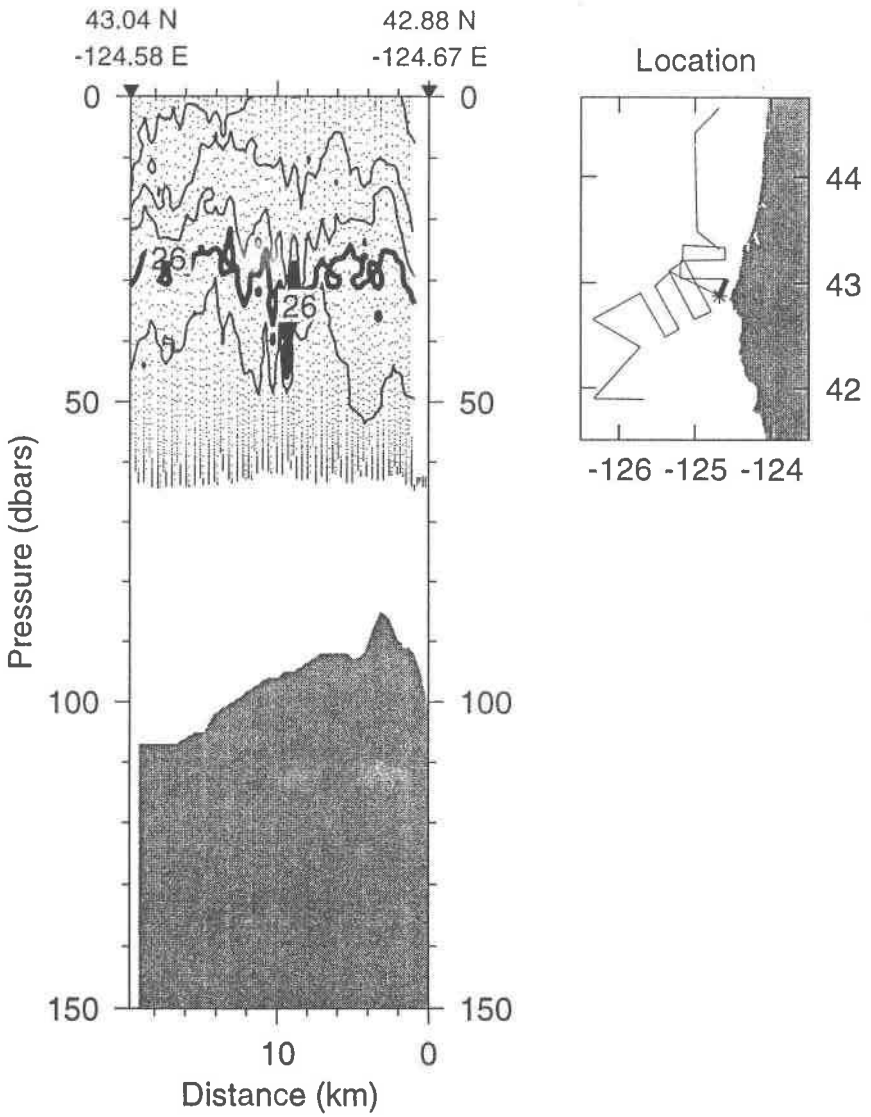
Line 01-02 Sigma-t (kg/m^3)

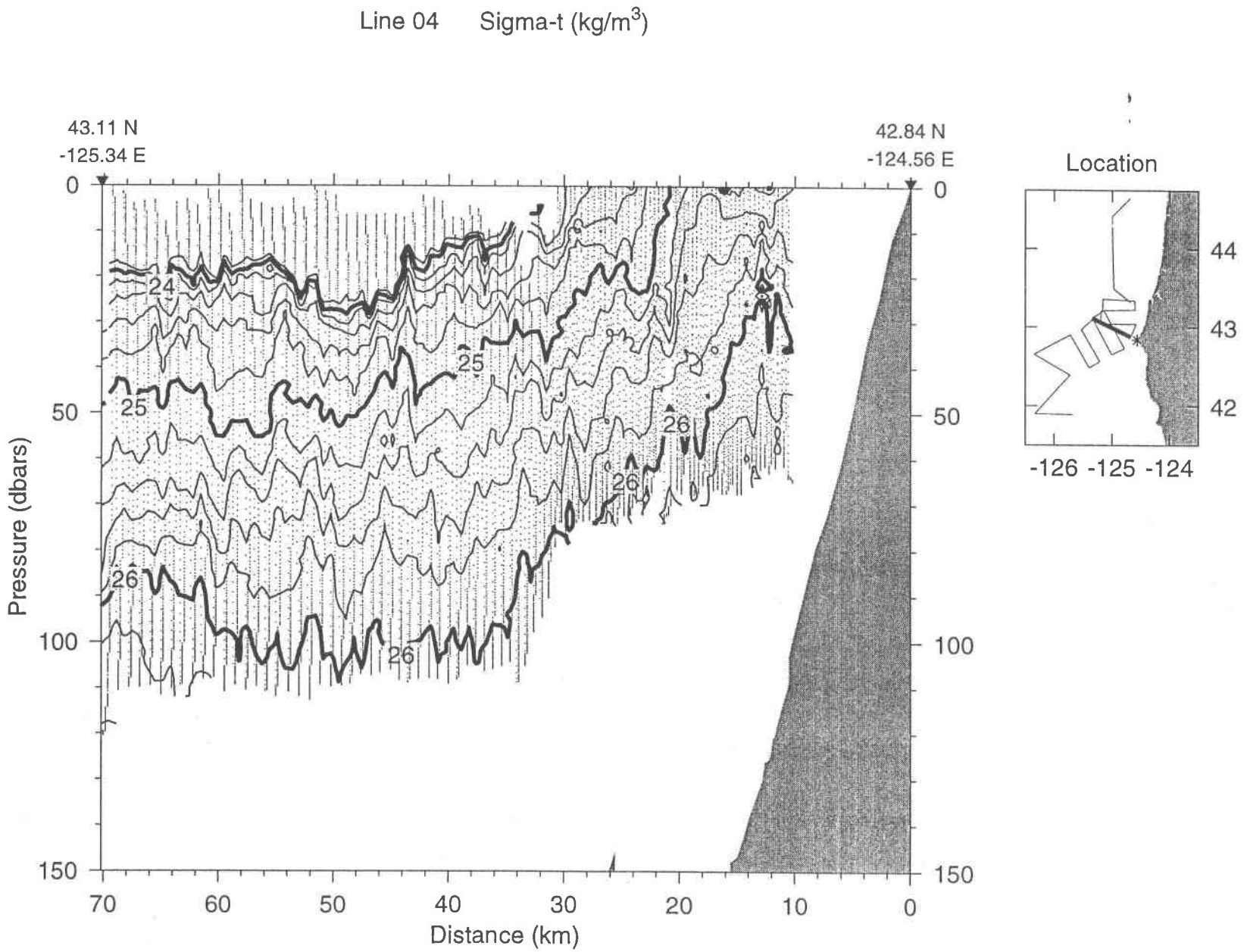


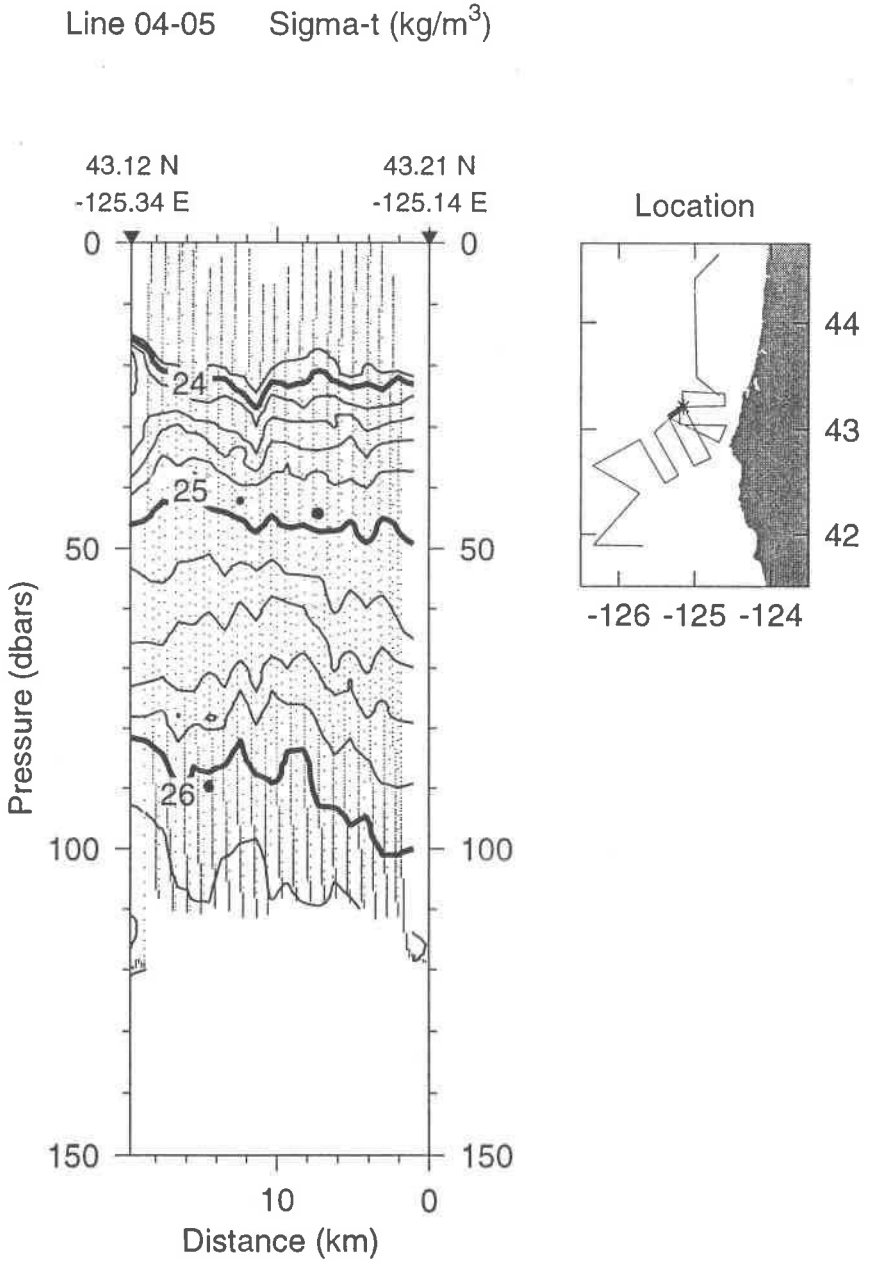

Line 02 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
24
25
26
60
50
40
30
20
10
0
Distance (km)

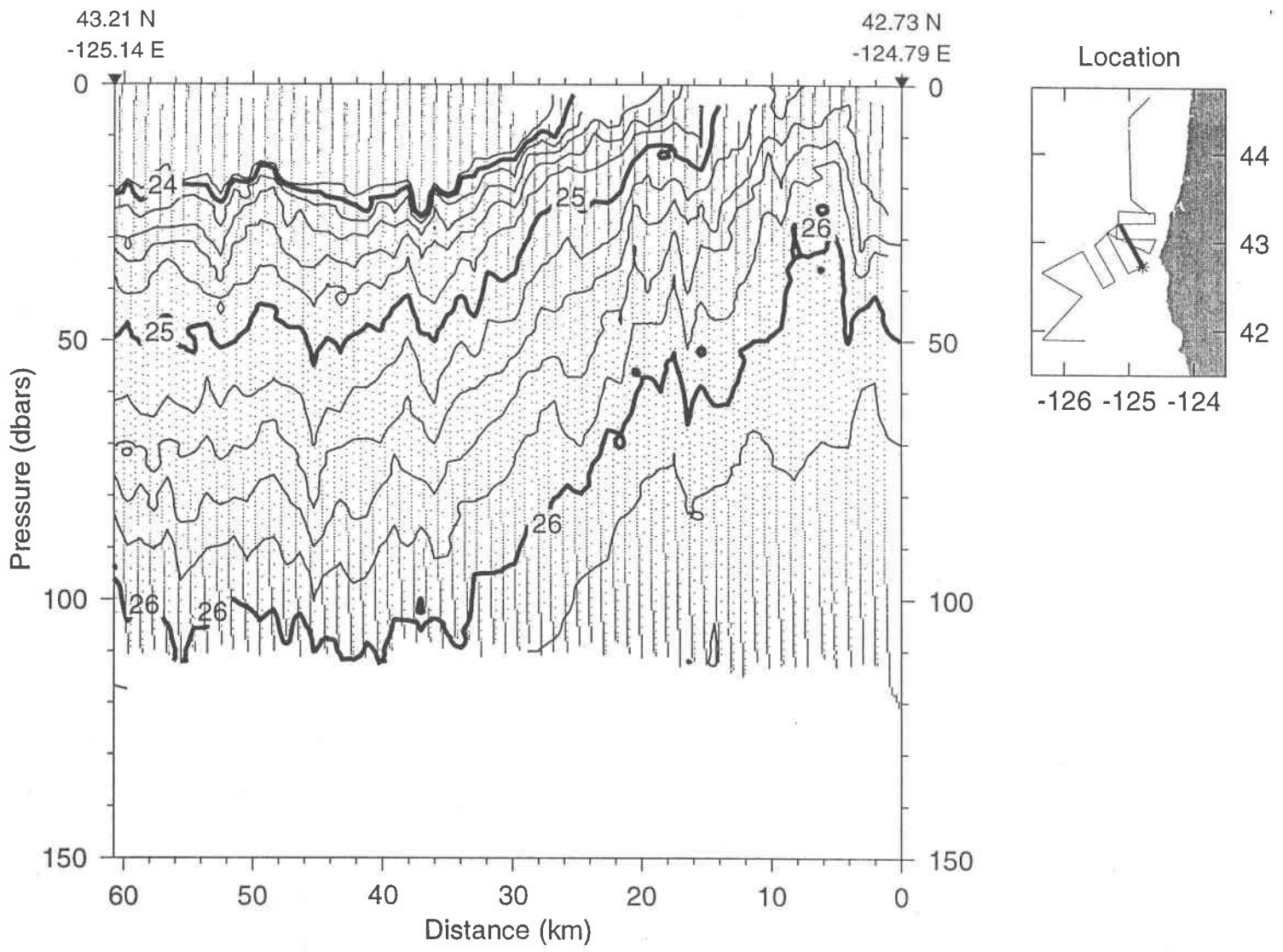

Line 02-03 Sigma-t (kg/m3)
43.21 N
-125.19 E
43.04 N
-125.20 E
0
0
24
25
50
50
26
100
100
150
150
10
0
Distance (km)
Pressure (dbars)
Location
44
43
42
-126 -125 -124

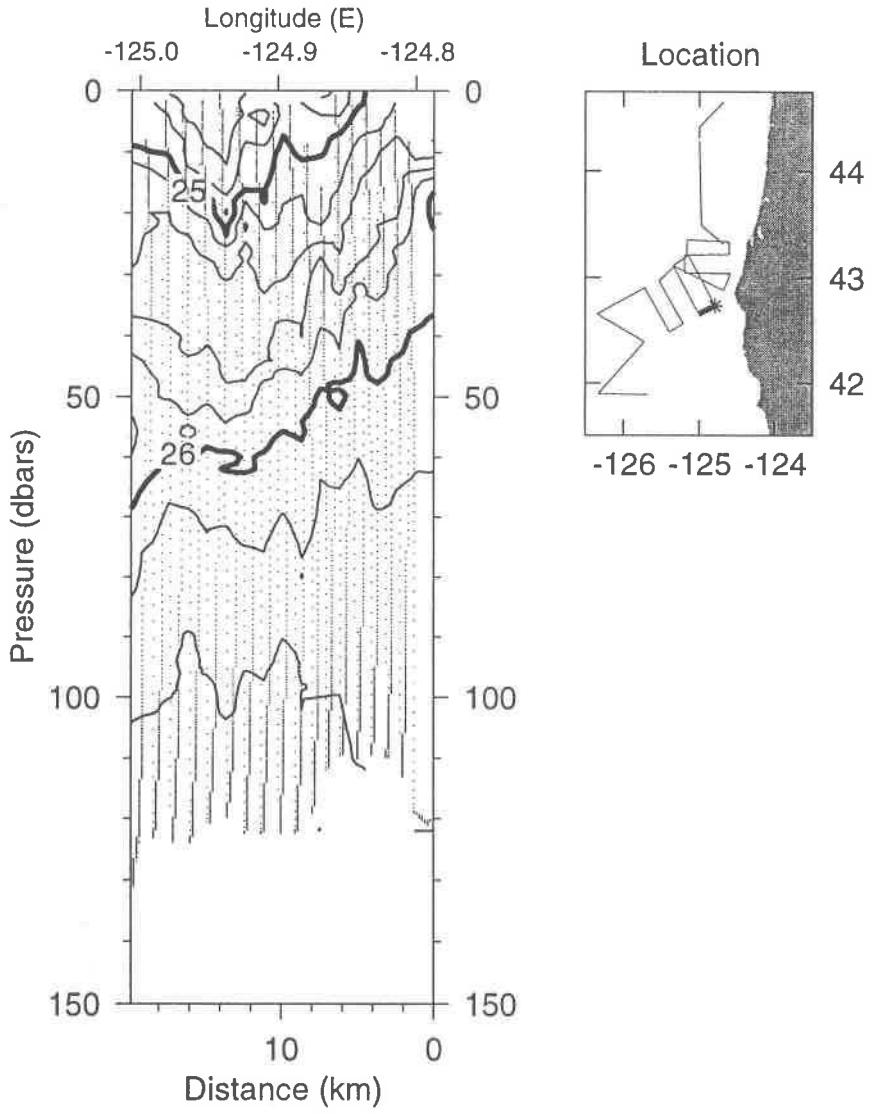

Line 03 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
Distance (km)
60
50
40
30
20
10
0
24
25
25
25
26
26
Location
44
43
42
-126 -125 -124

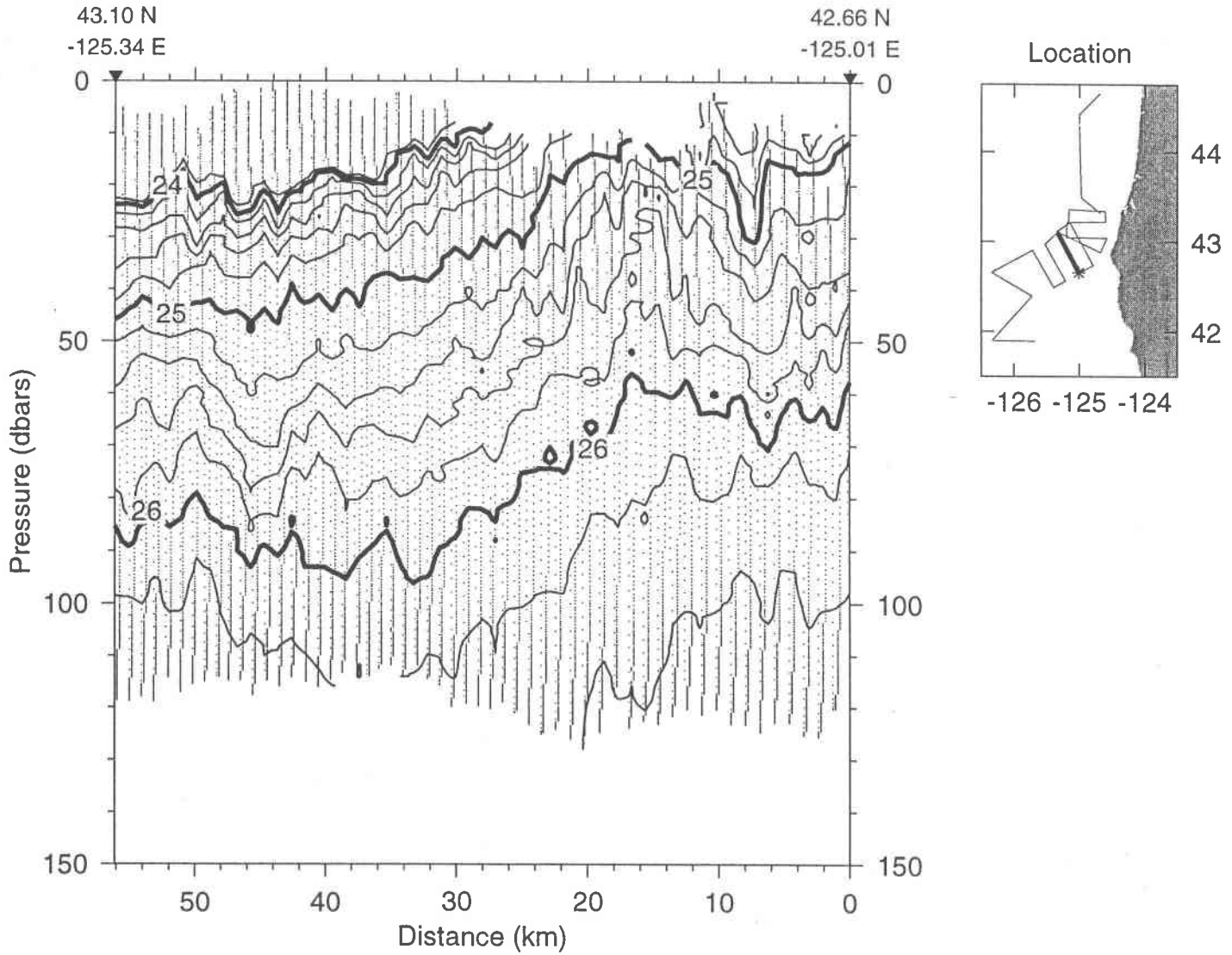

Line 03-04 Sigma-t (kg/m3)
43.04 N
-124.58 E
42.88 N
-124.67 E
0
0
26
26
50
50
100
100
150
150
Pressure (dbars)
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

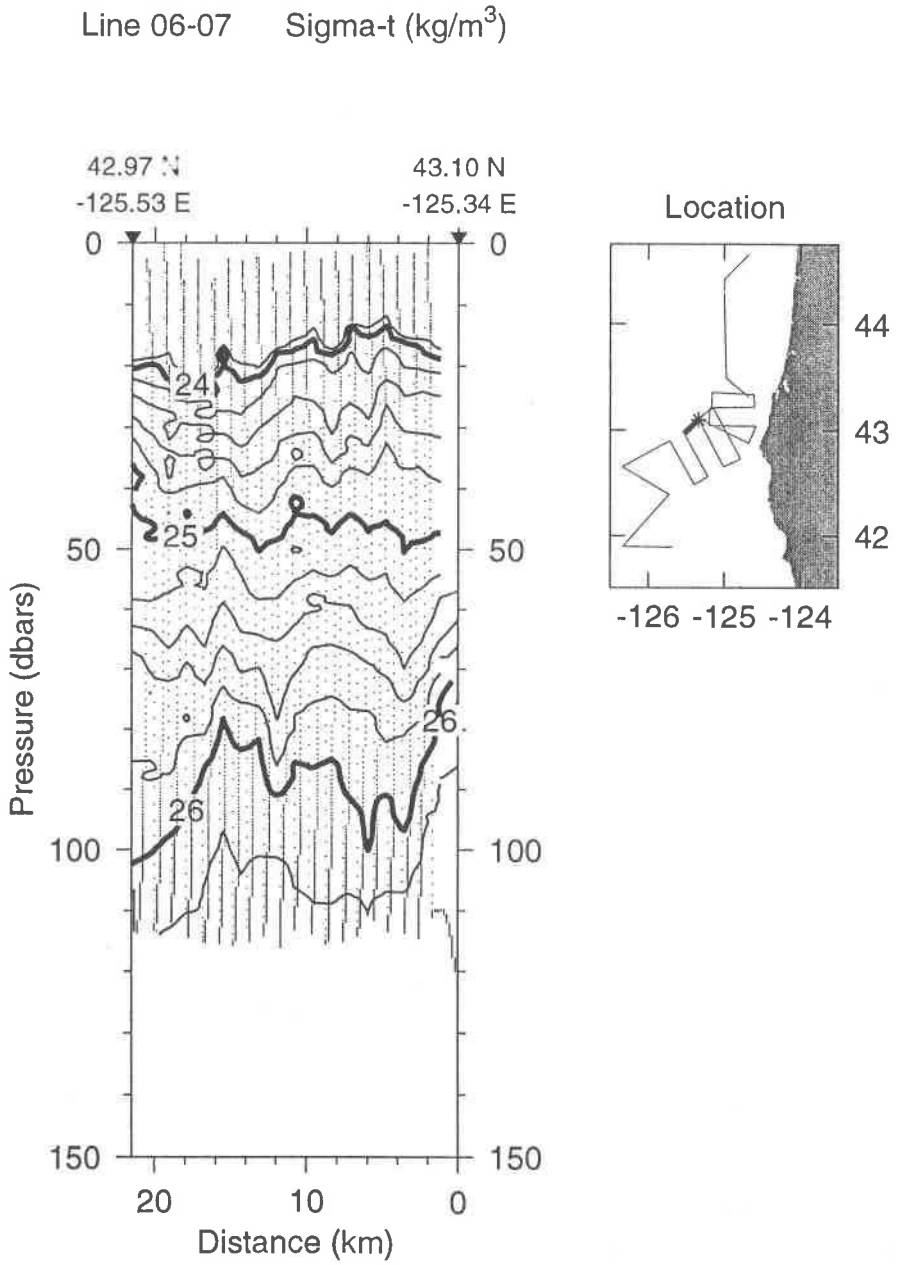

Line 04 Sigma-t (kg/m3)
43.11 N
-125.34 E
42.84 N
-124.56 E
Location
Pressure (dbars)
Distance (km)
24
25
26
0
50
100
150
70
60
50
40
30
20
10
0
44
43
42
-126 -125 -124

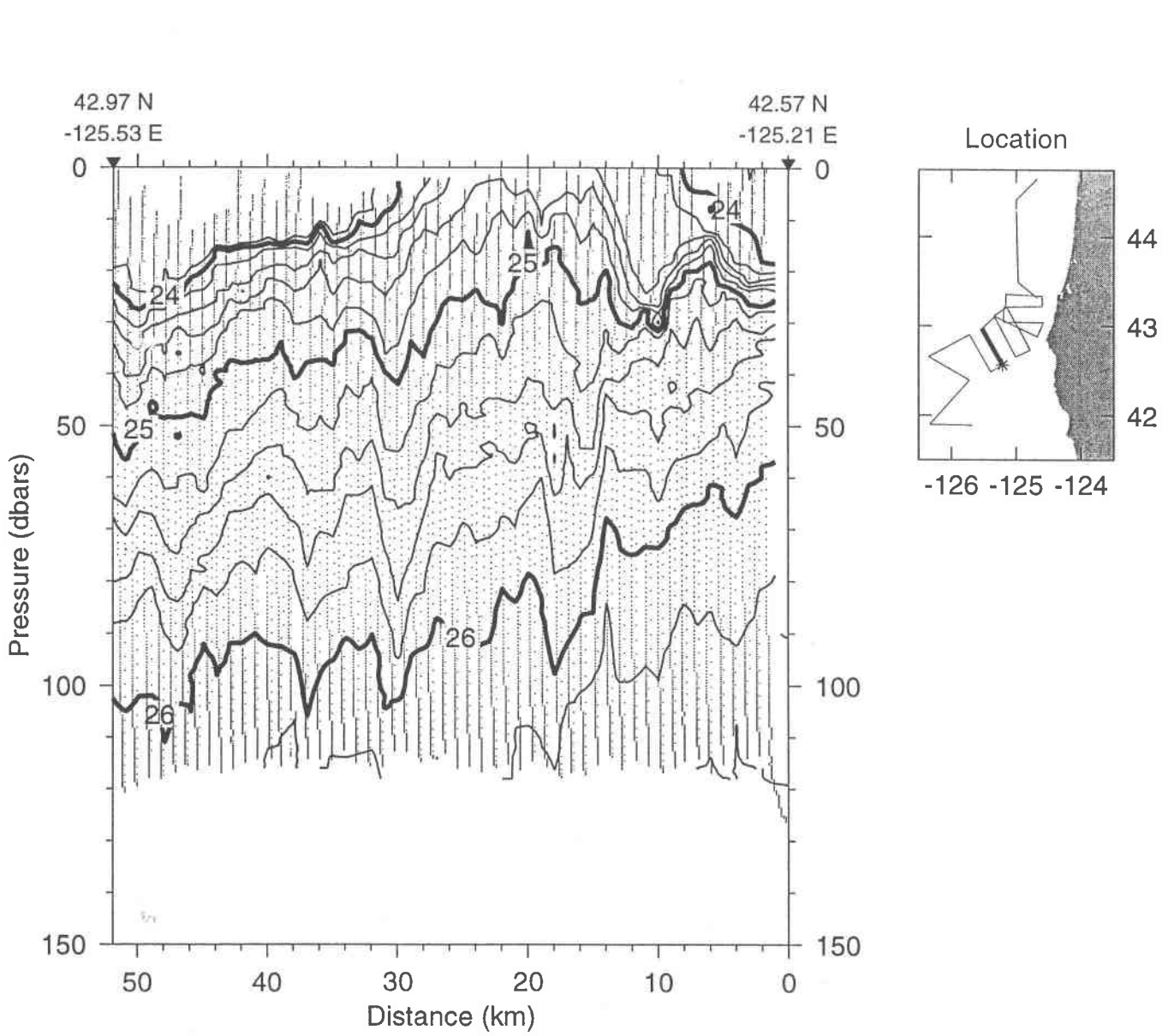

Line 04-05 Sigma-t (kg/m3)
43.12 N
-125.34 E
43.21 N
-125.14 E
Location
0
50
100
150
24
25
26
Pressure (dbars)
10
0
Distance (km)
44
43
42
-126 -125 -124

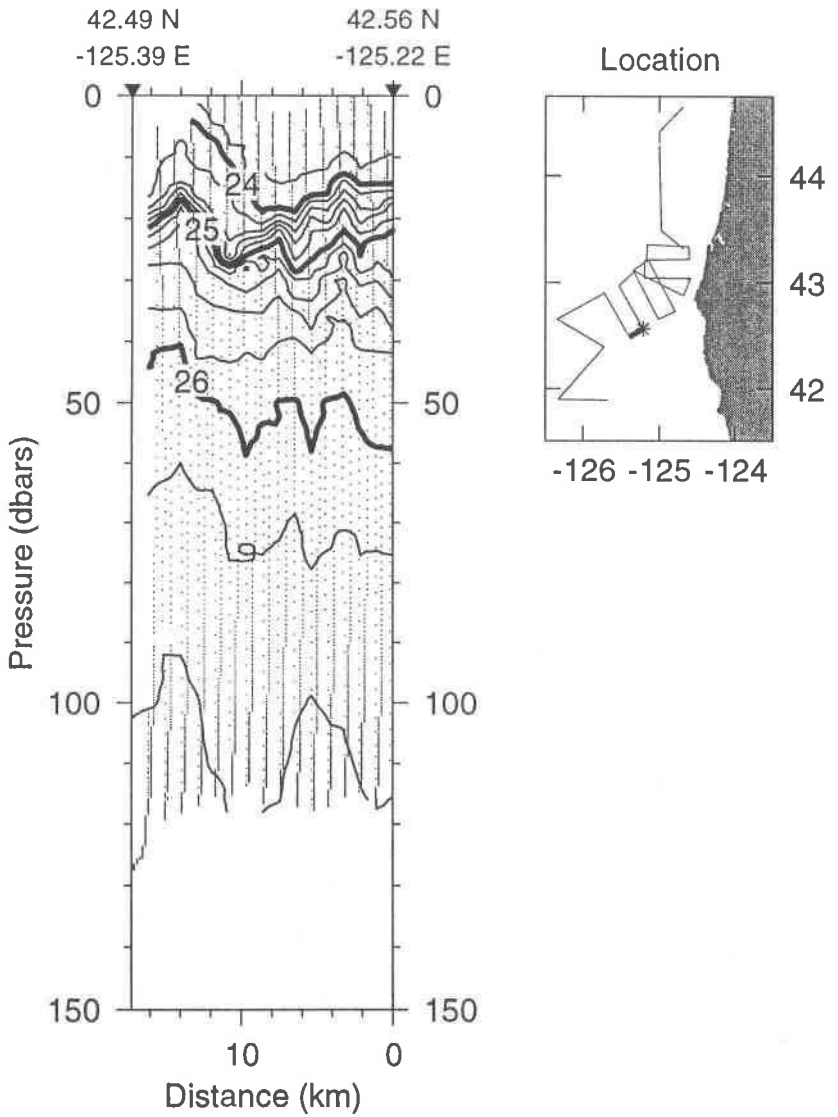

Line 05 Sigma-t (kg/m3)
43.21 N
-125.14 E
42.73 N
-124.79 E
Location
Pressure (dbars)
Distance (km)
24
25
26
0
50
100
150
60
40
30
20
10
44
43
42
-126 -125 -124

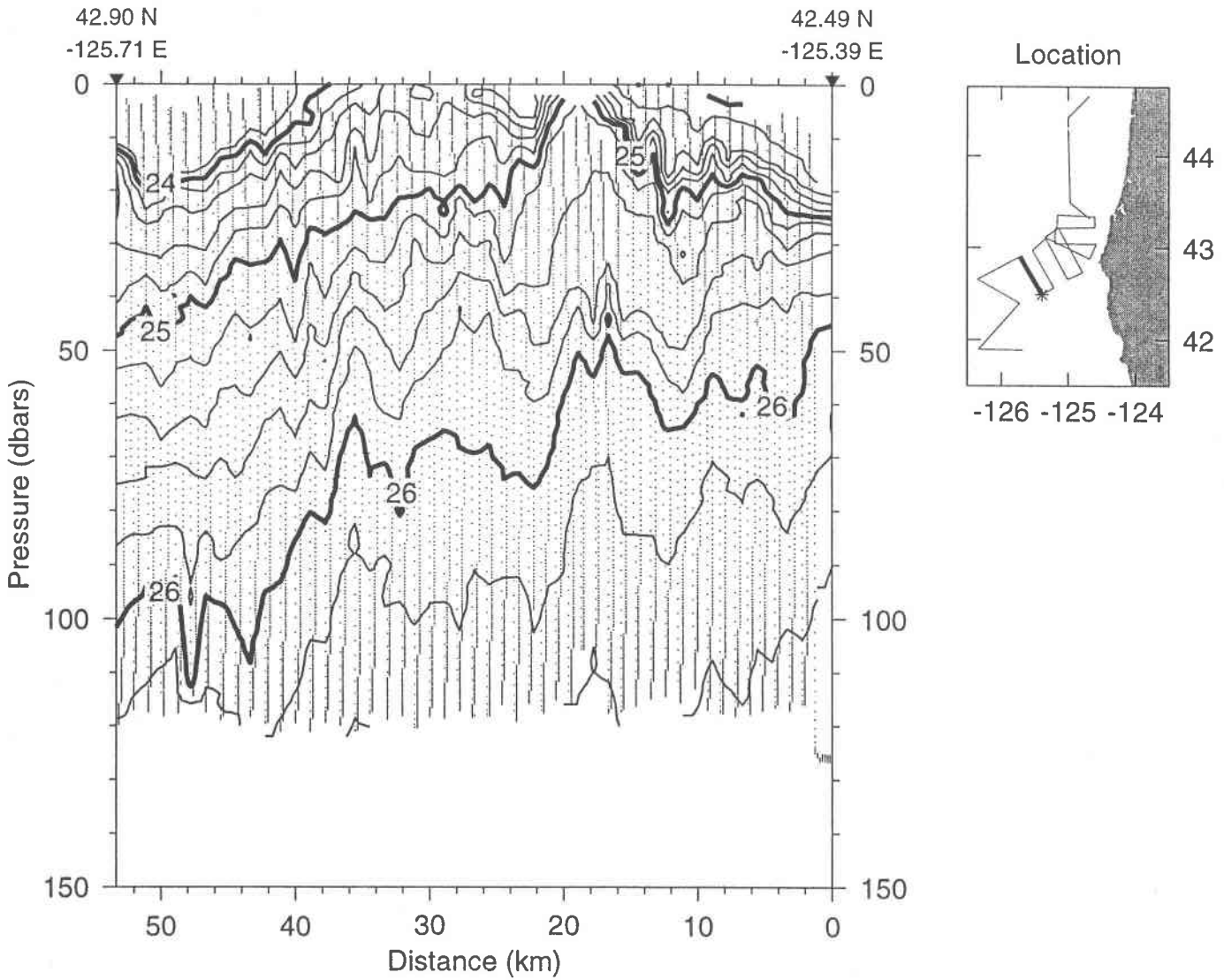

Line 05-06 Sigma-t (kg/m3)
Longitude (E)
-125.0
-124.9
-124.8
0
50
100
150
25
26
Pressure (dbars)
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

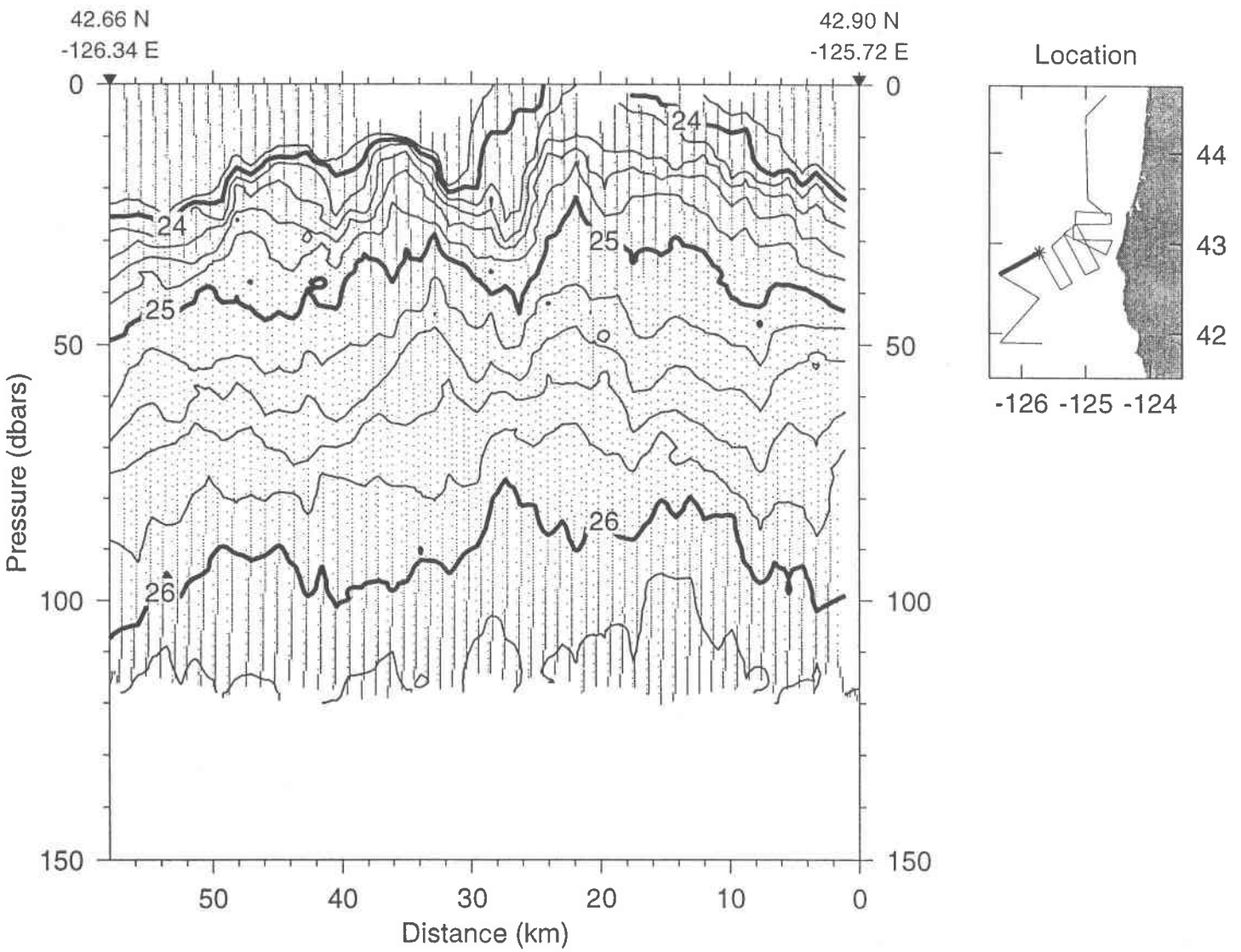

Line 06 Sigma-t (kg/m3)
43.10 N
-125.34 E
42.66 N
-125.01 E
Location
24
25
25
26
26
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124

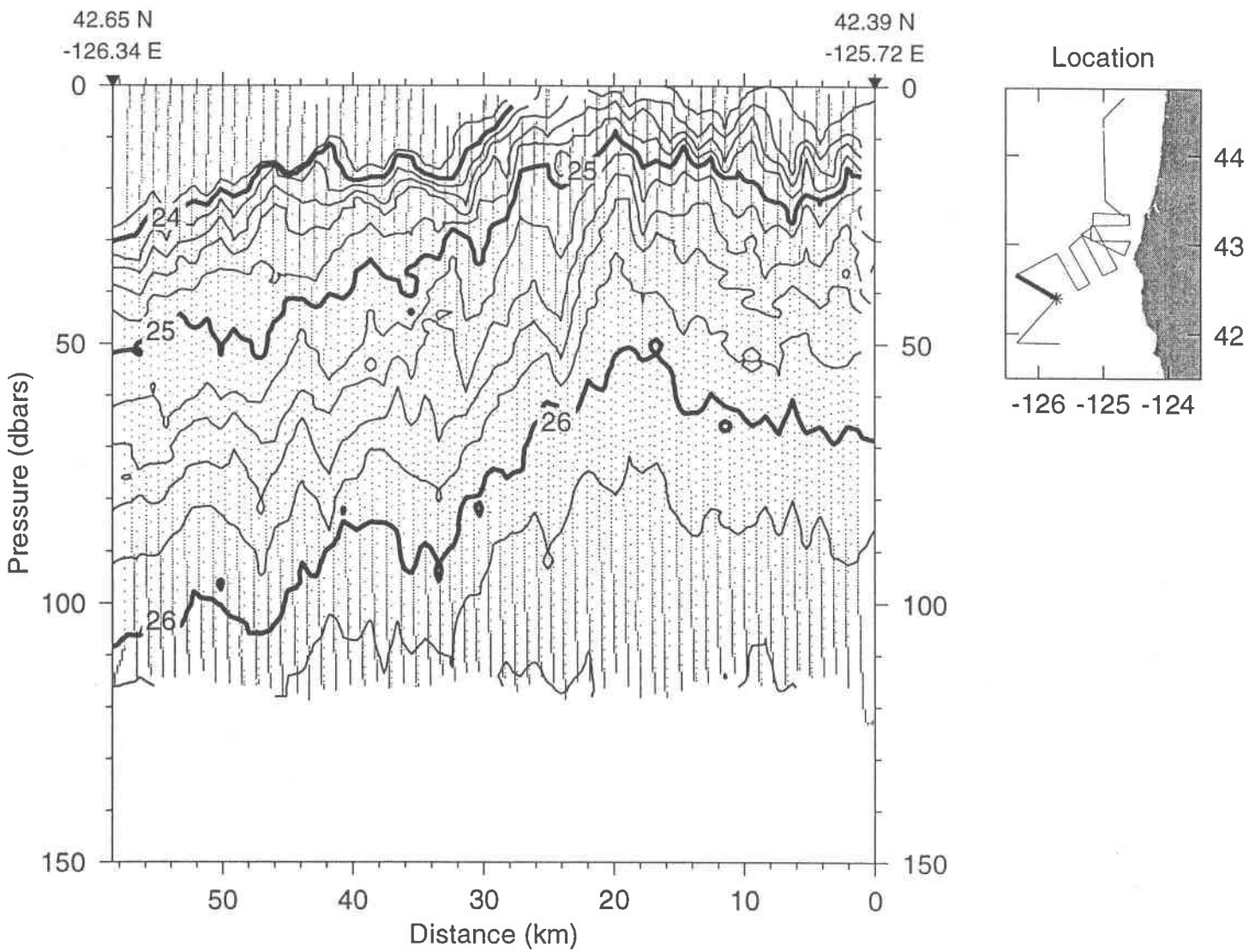

Line 06-07 Sigma-t (kg/m3)
42.97 N
-125.53 E
43.10 N
-125.34 E
0
50
100
150
24
25
26
26
Pressure (dbars)
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

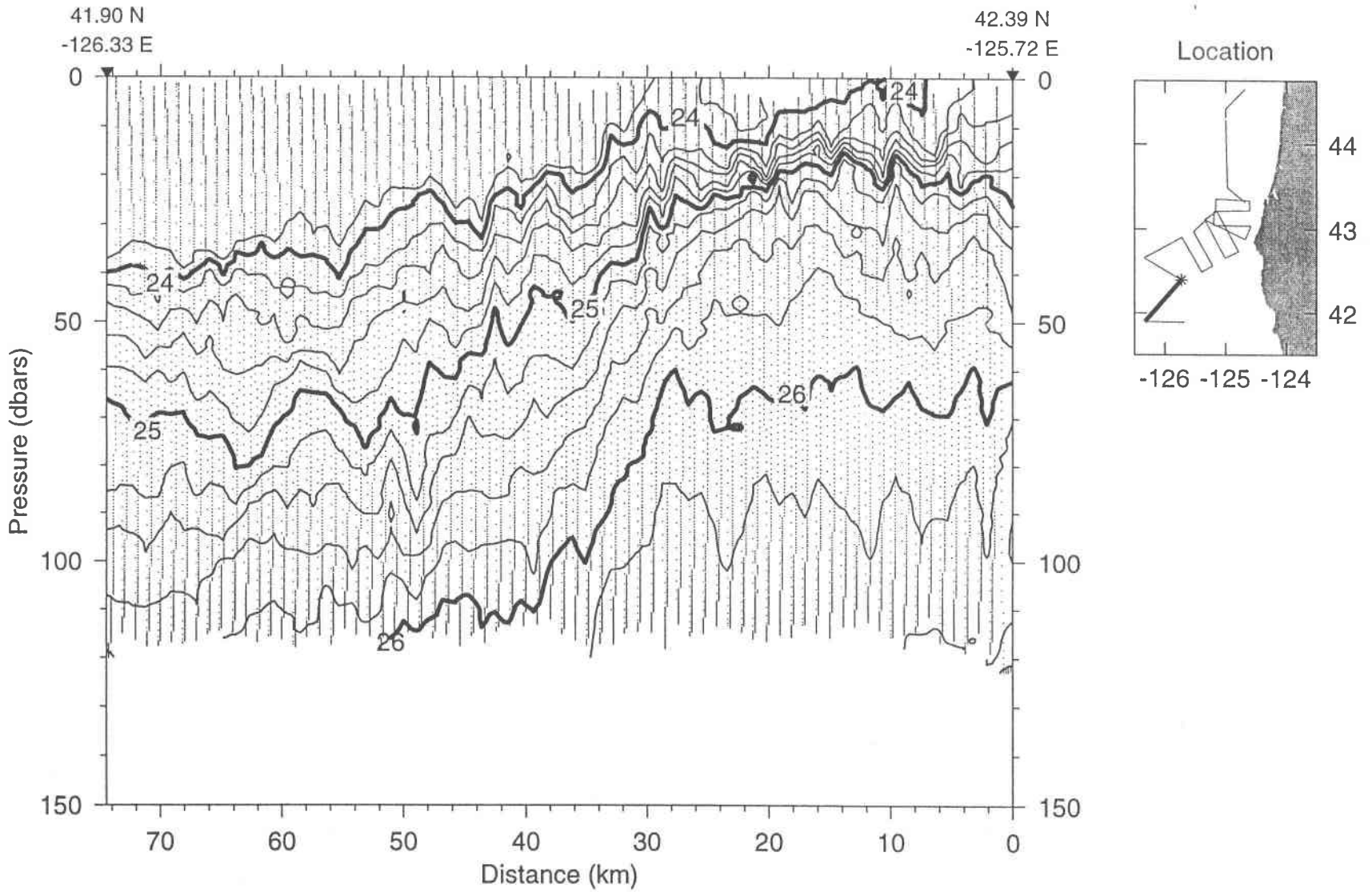

Line 07 Sigma-t (kg/m3)
42.97 N
-125.53 E
42.57 N
-125.21 E
Location
Pressure (dbars)
Distance (km)
24
25
26
0
50
100
150
40
30
20
10
44
43
42
-126 -125 -124

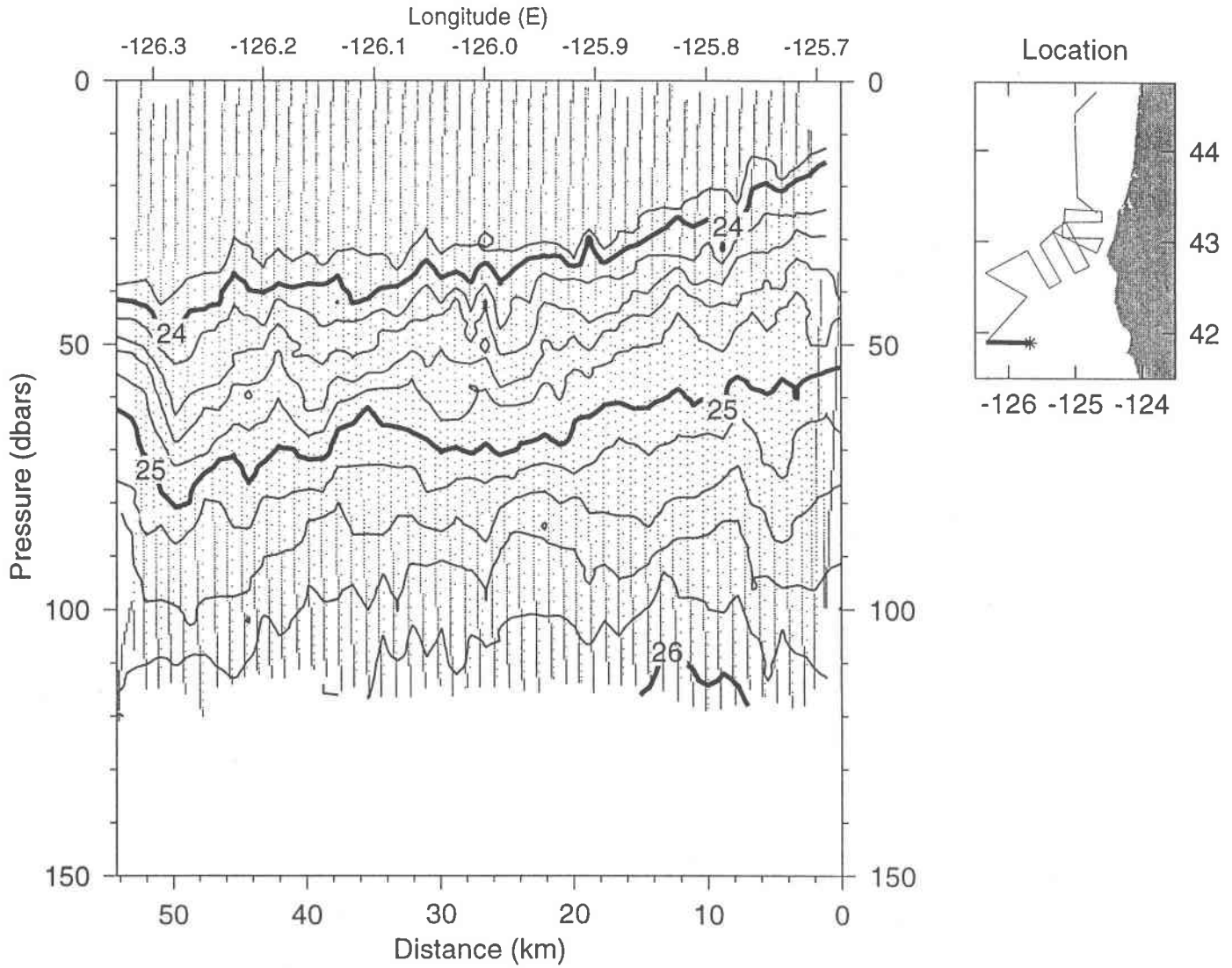

Line 07-08 Sigma-t (kg/m3)
42.49 N
-125.39 E
42.56 N
-125.22 E
0
0
24
25
26
9
50
50
100
100
150
150
10
0
Distance (km)
Pressure (dbars)
Location
44
43
42
-126 -125 -124

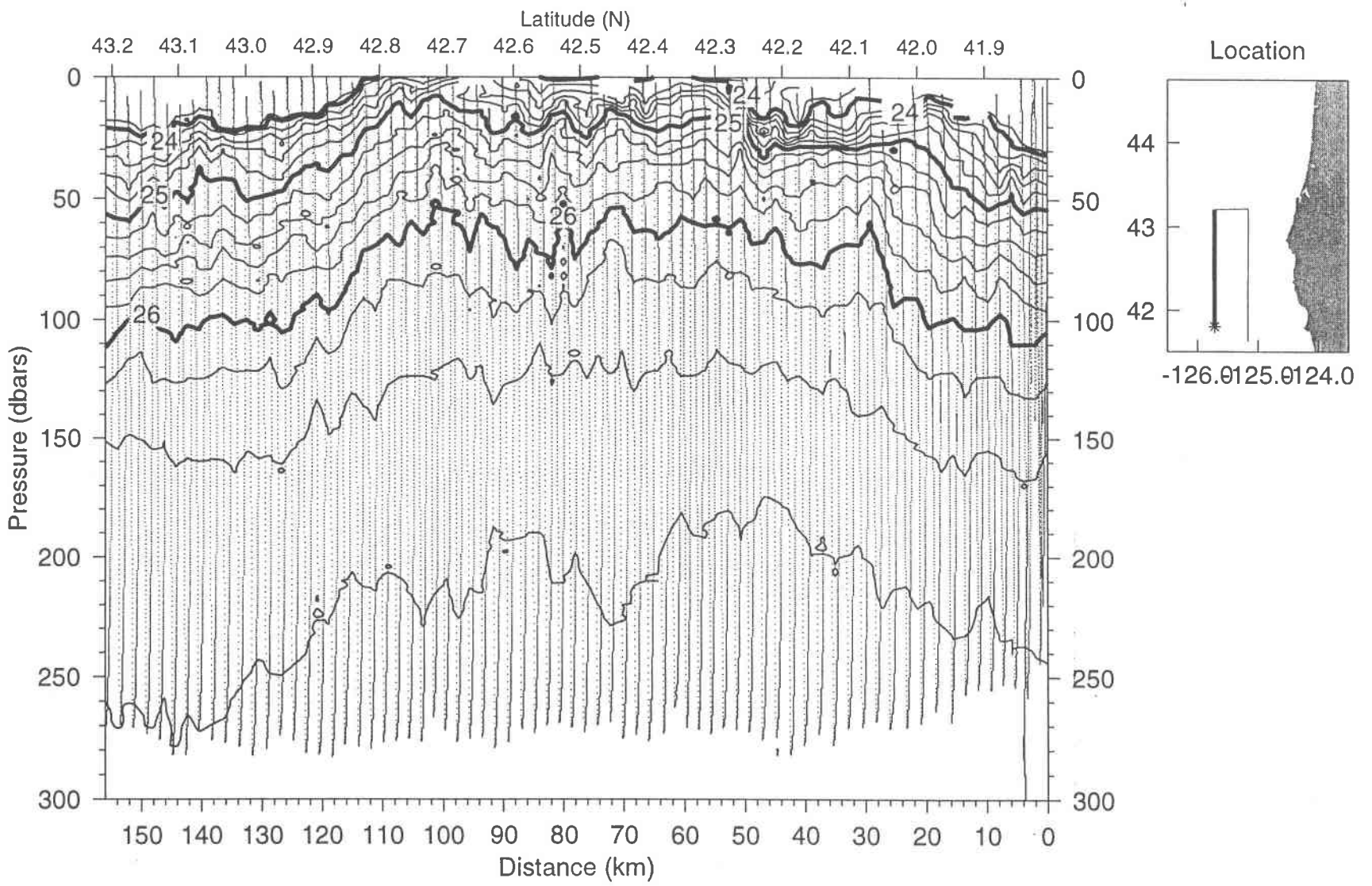

Line 08 Sigma-t (kg/m3)
42.90 N
-125.71 E
42.49 N
-125.39 E
Location
24
25
25
26
26
26
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124

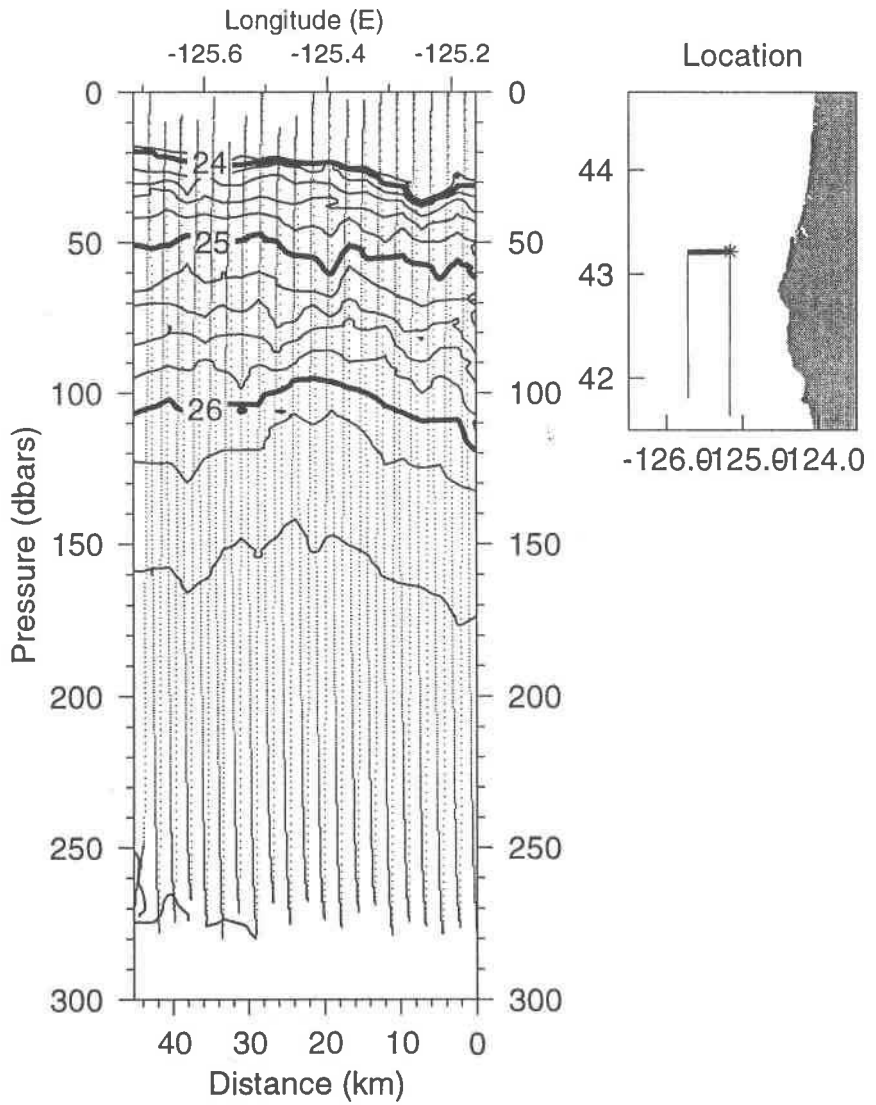

Line 09 Sigma-t (kg/m3)
42.66 N
-126.34 E
42.90 N
-125.72 E
Location
24
25
26
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124

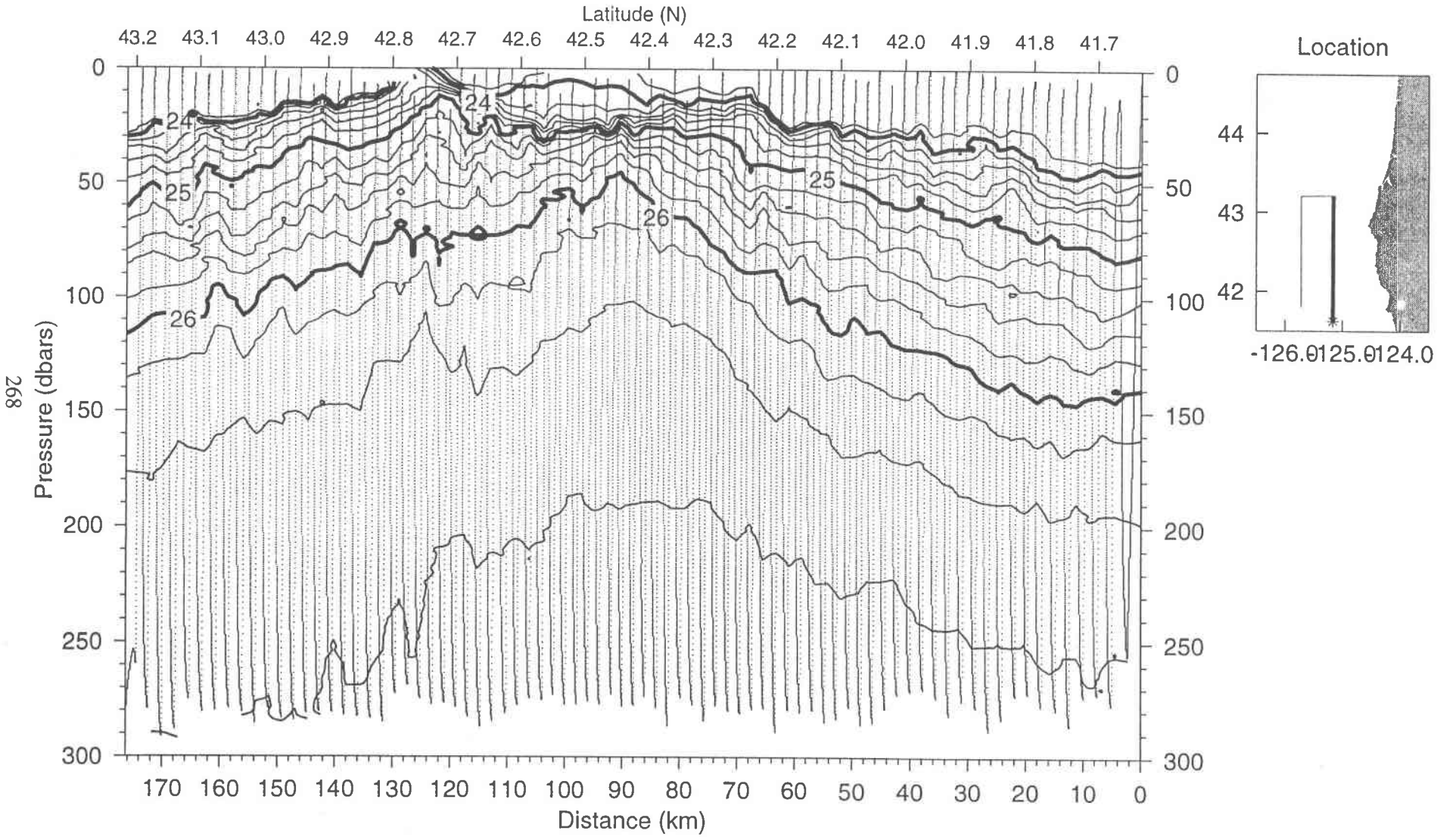

Line 10 Sigma-t (kg/m3)
42.65 N
-126.34 E
42.39 N
-125.72 E
Location
Pressure (dbars)
Distance (km)
24
25
26
0
50
100
150
40
30
20
10
44
43
42
-126 -125 -124

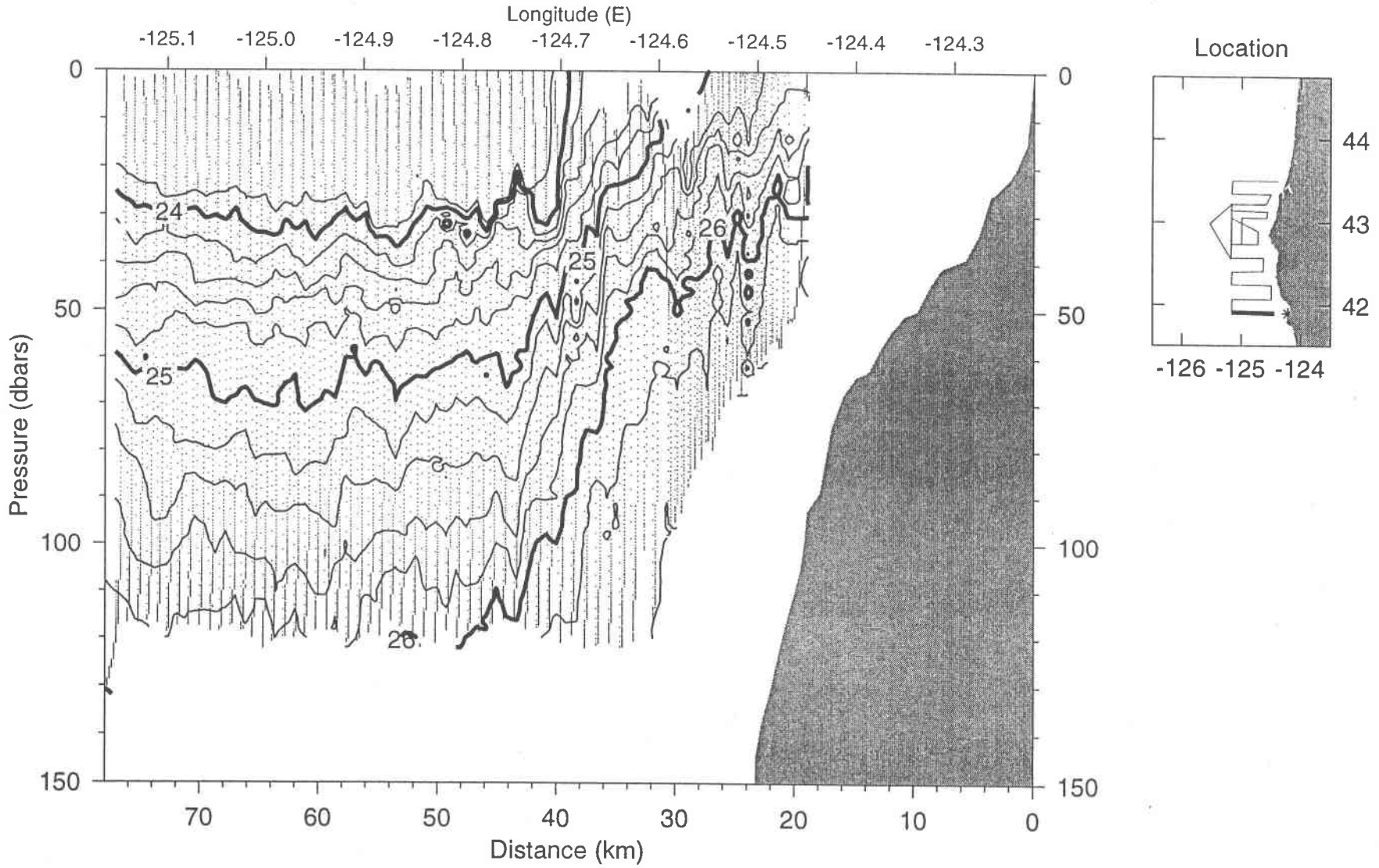

Line 11 Sigma-t (kg/m3)
41.90 N
-126.33 E
42.39 N
-125.72 E
Location
Pressure (dbars)
Distance (km)
0
50
100
150
70
60
50
40
30
20
10
0
24
25
26
44
43
42
-126 -125 -124


Line 12 Sigma-t (kg/m3)
Longitude (E)
-126.3
-126.2
-126.1
-126.0
-125.9
-125.8
-125.7
Pressure (dbars)
0
50
100
150
24
25
26
Distance (km)
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

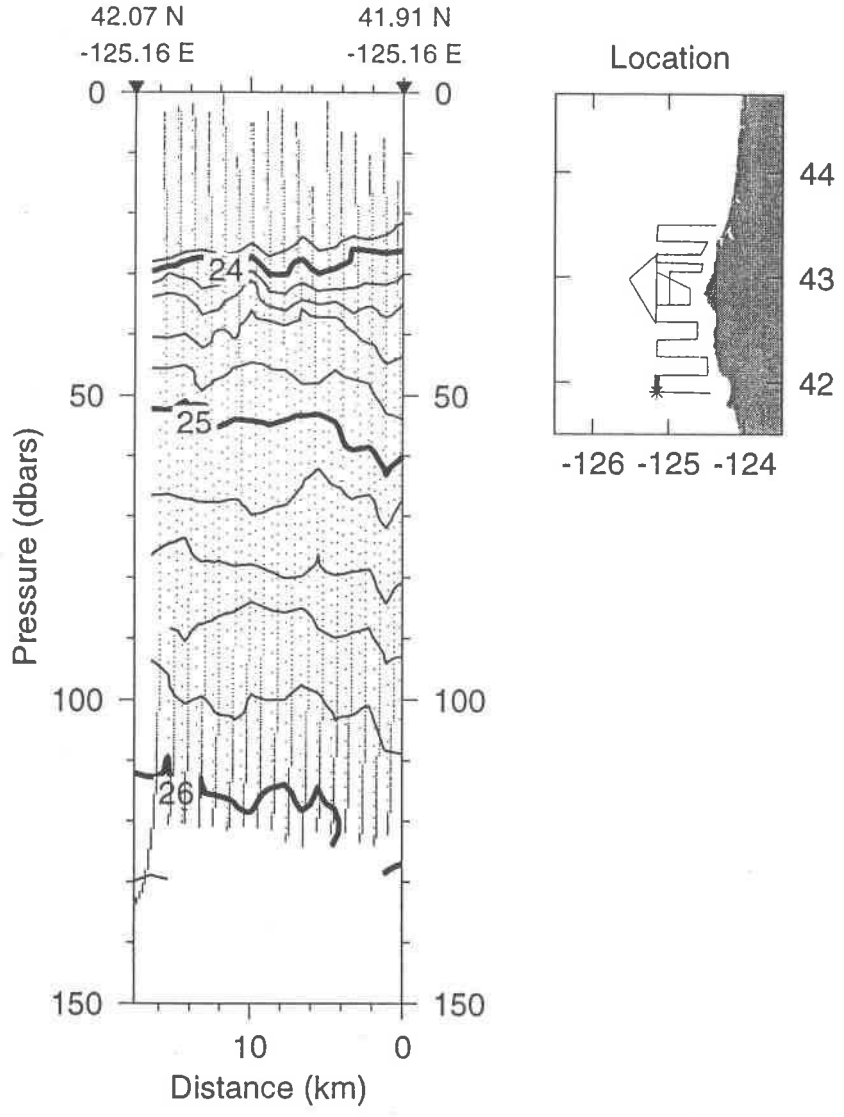

Line 13 Sigma-t (kg/m3)
Latitude (N)
43.2 43.1 43.0 42.9 42.8 42.7 42.6 42.5 42.4 42.3 42.2 42.1 42.0 41.9
Pressure (dbars)
0 50 100 150 200 250 300
24
25
26
Distance (km)
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Location
44
43
42
-126.0 125.0 124.0

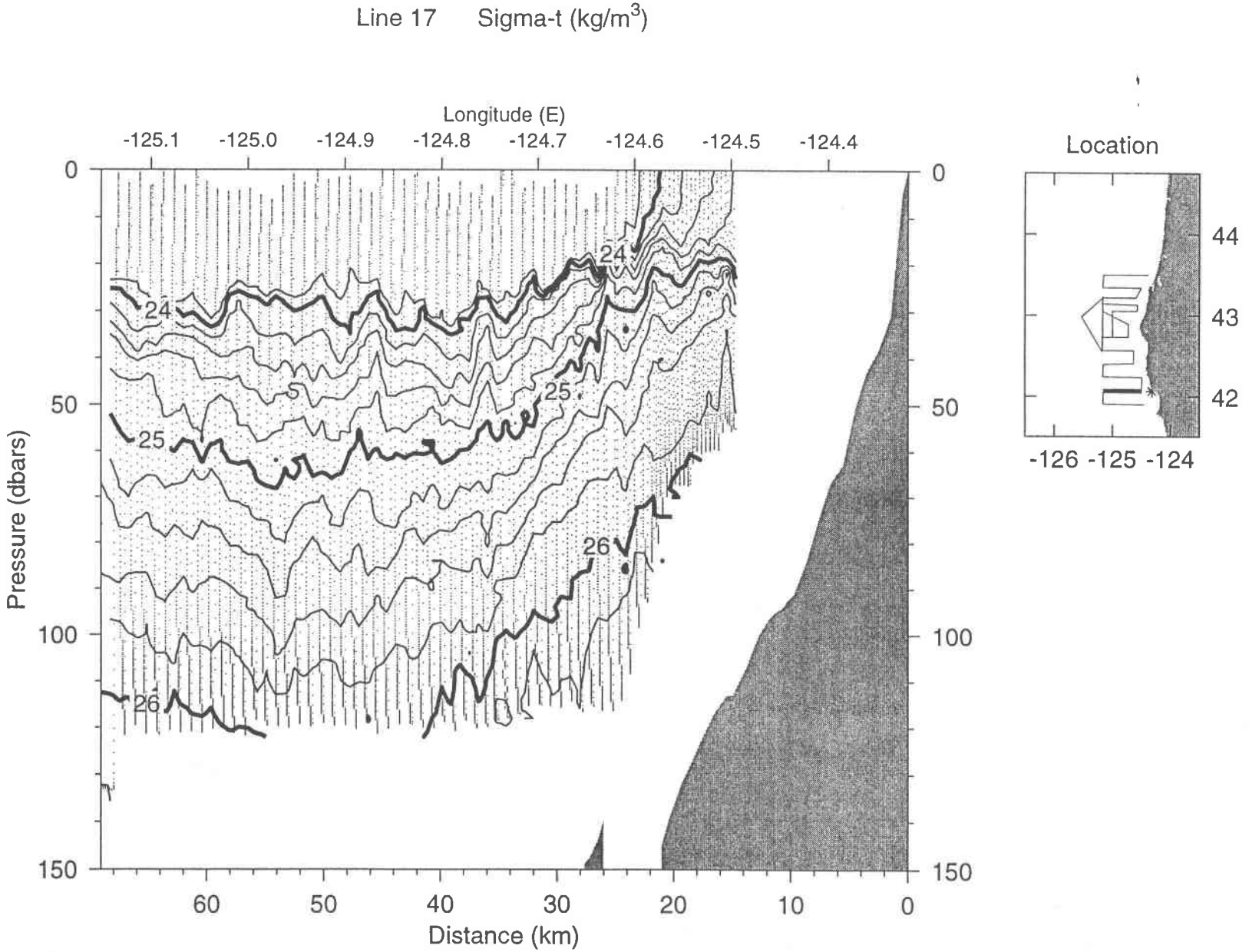

Line 14 Sigma-t (kg/m3)
Longitude (E)
-125.6
-125.4
-125.2
Location
24
25
26
Pressure (dbars)
0
50
100
150
200
250
300
40
30
20
10
0
Distance (km)
44
43
42
-126.0
-125.0
-124.0


Line 15 Sigma-t (kg/m3)
Latitude (N)
43.2 43.1 43.0 42.9 42.8 42.7 42.6 42.5 42.4 42.3 42.2 42.1 42.0 41.9 41.8 41.7
Location
44
43
42
-126.0 125.0 124.0
24
25
26
Pressure (dbars)
0 50 100 150 200 250 300
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Distance (km)

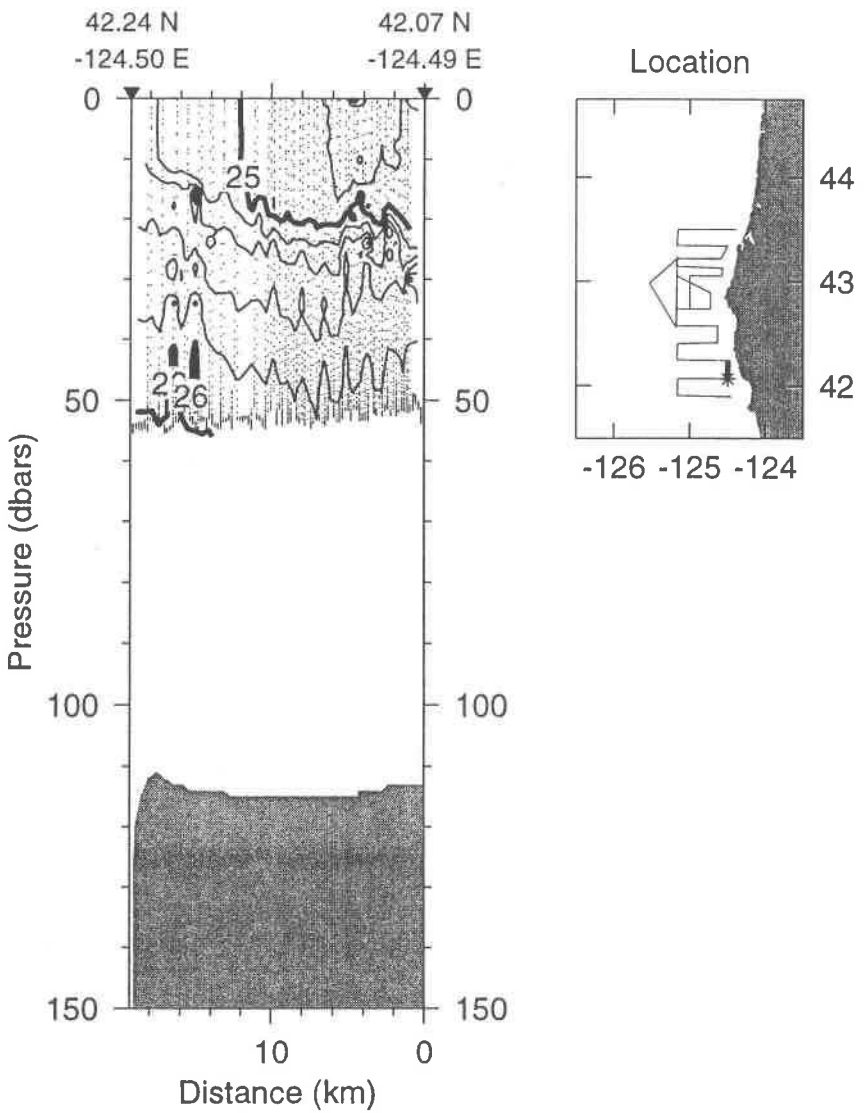

Line 16 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
-124.3
Pressure (dbars)
0
50
100
150
24
25
26
25
26
Distance (km)
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

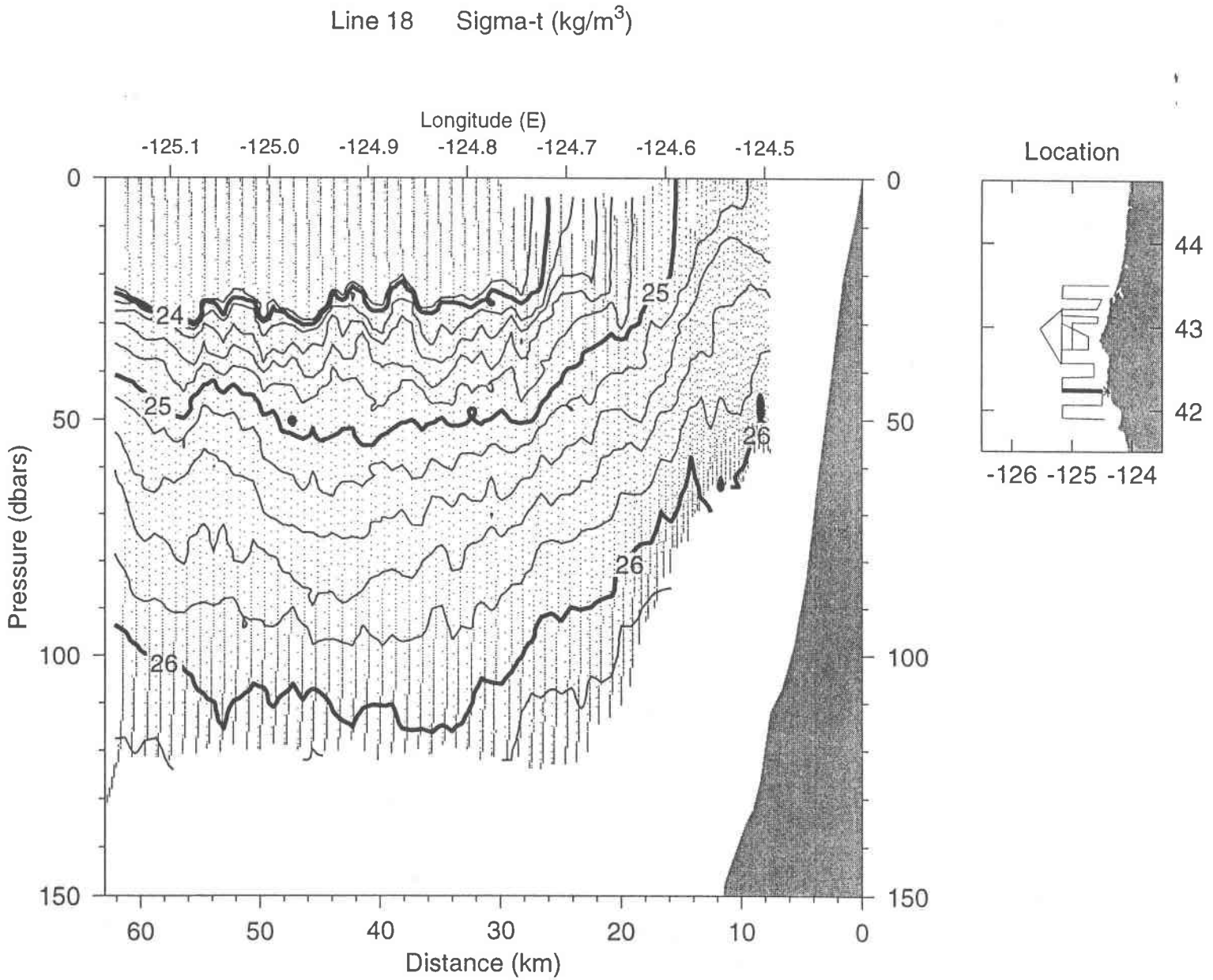
Line 16-17 Sigma-t (kg/m^3)

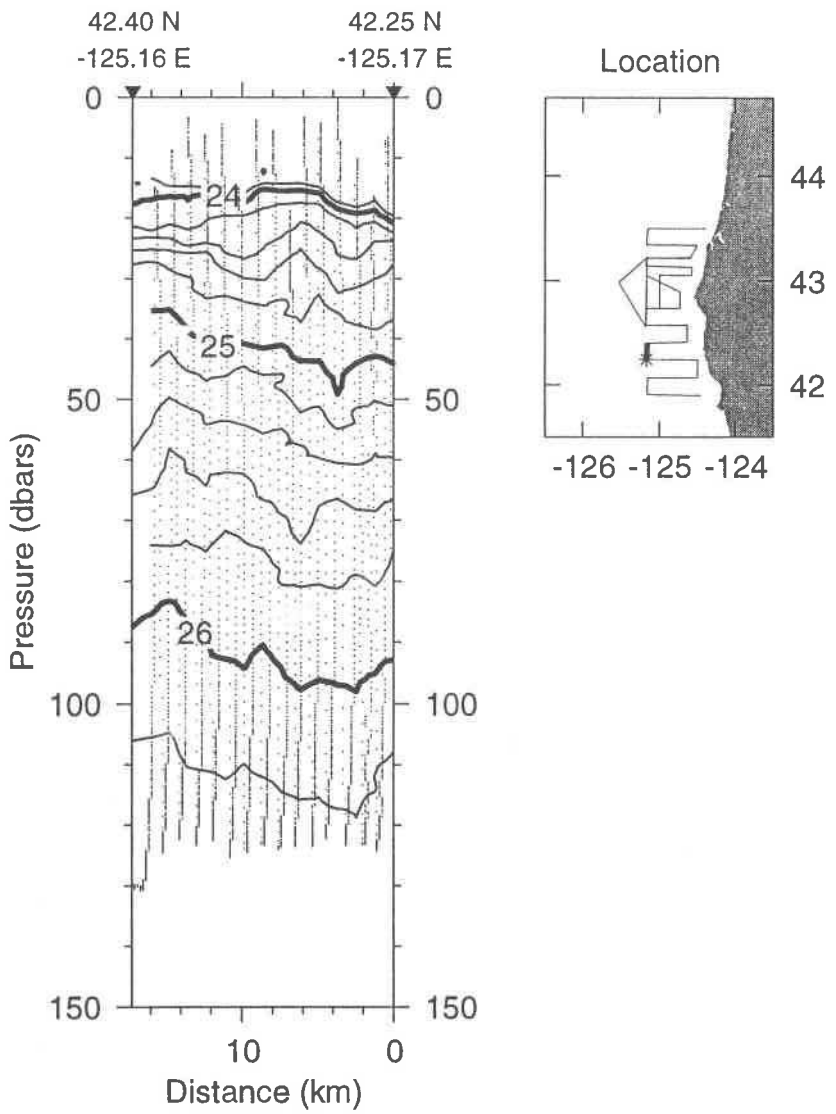


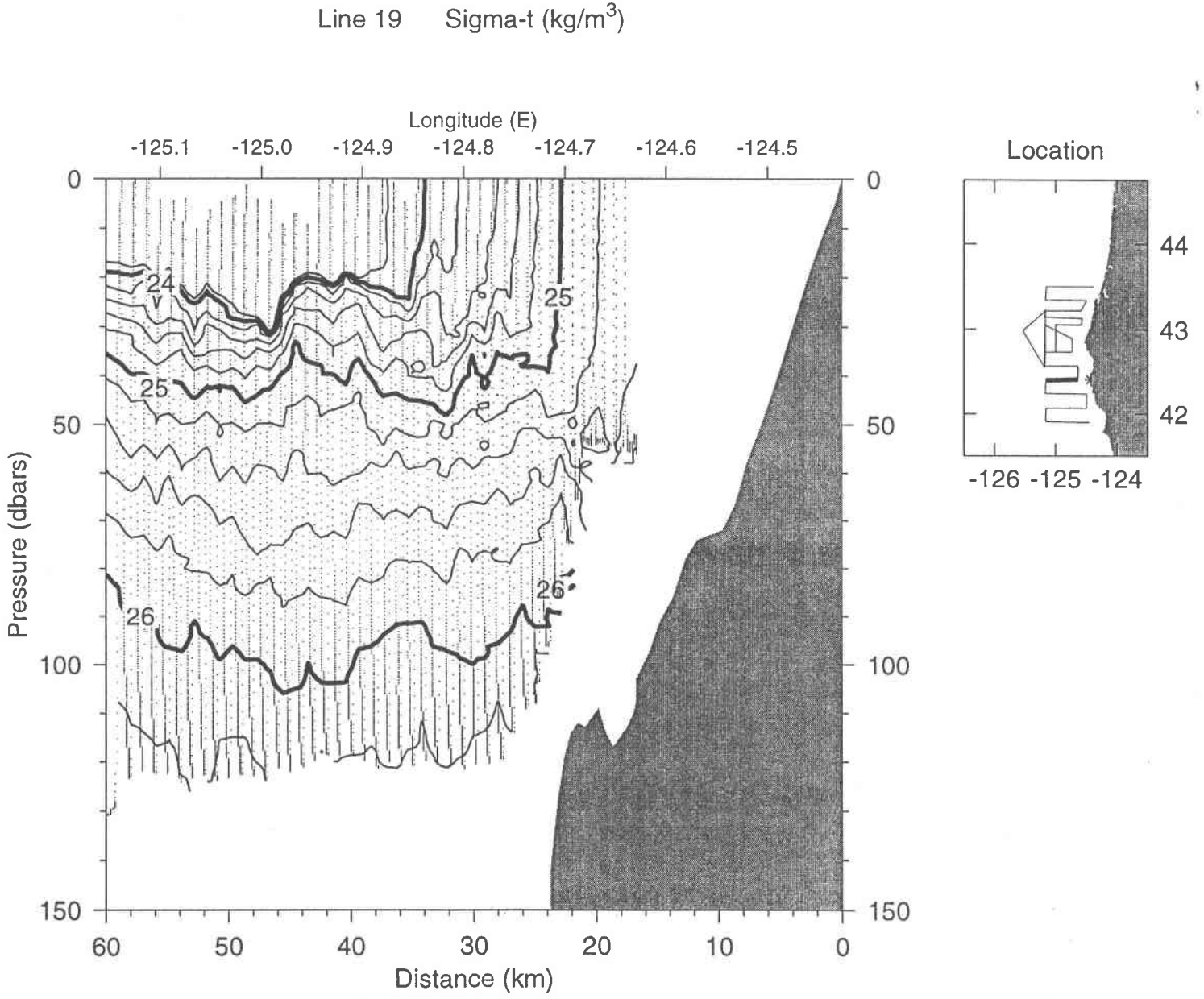

Line 17 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
24
25
26
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

Line 17-18 Sigma-t (kg/m^3)

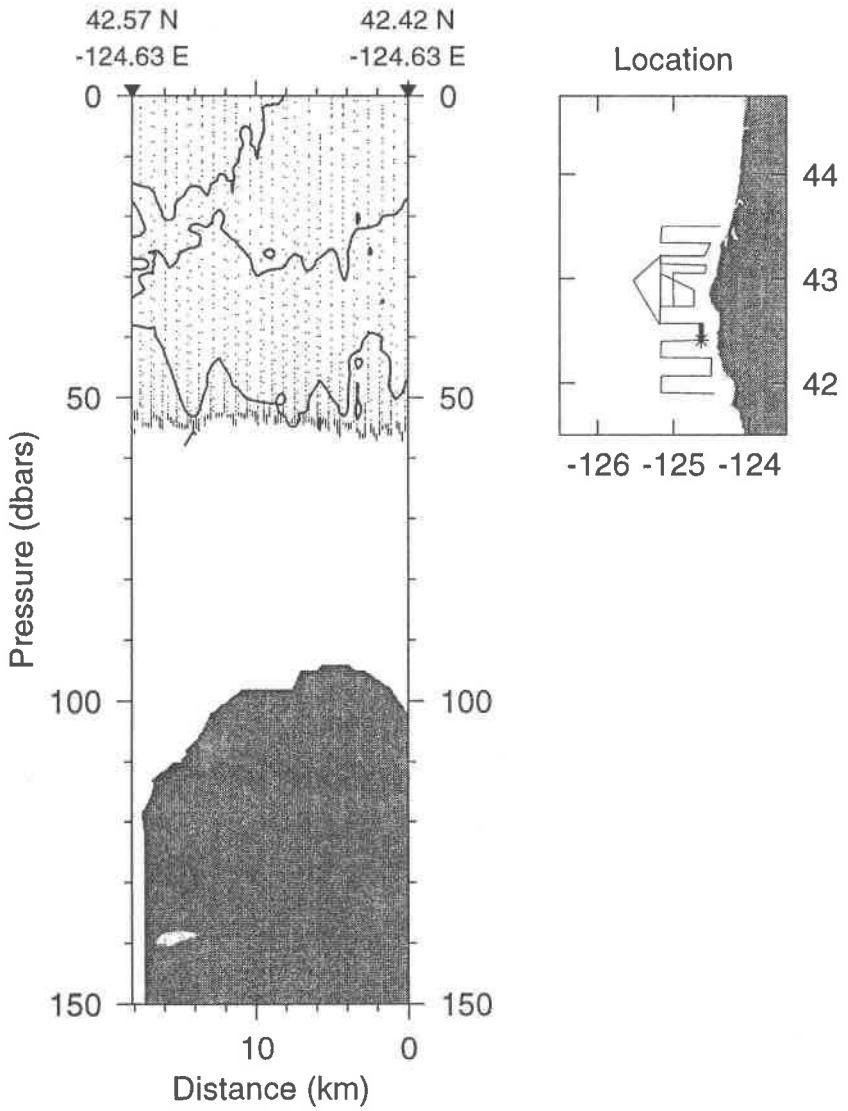


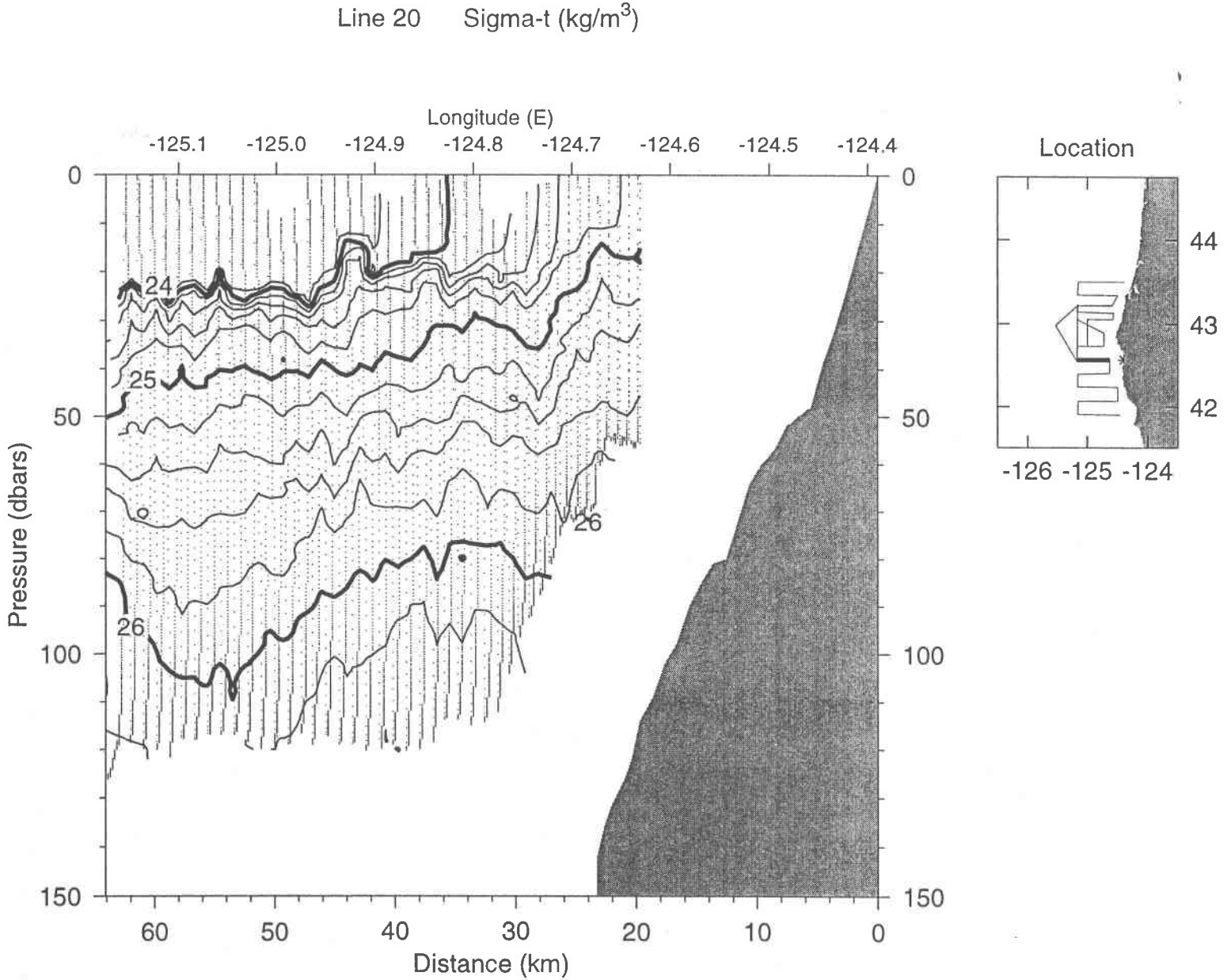

Line 18 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Location
44
43
42
-126 -125 -124
24
25
25
26
26
26
Pressure (dbars)
0
50
100
150
60
50
40
30
20
10
0
Distance (km)


Line 18-19 Sigma-t (kg/m3)
42.40 N
-125.16 E
42.25 N
-125.17 E
Location
24
25
26
Pressure (dbars)
0
50
100
150
10
0
Distance (km)
44
43
42
-126 -125 -124

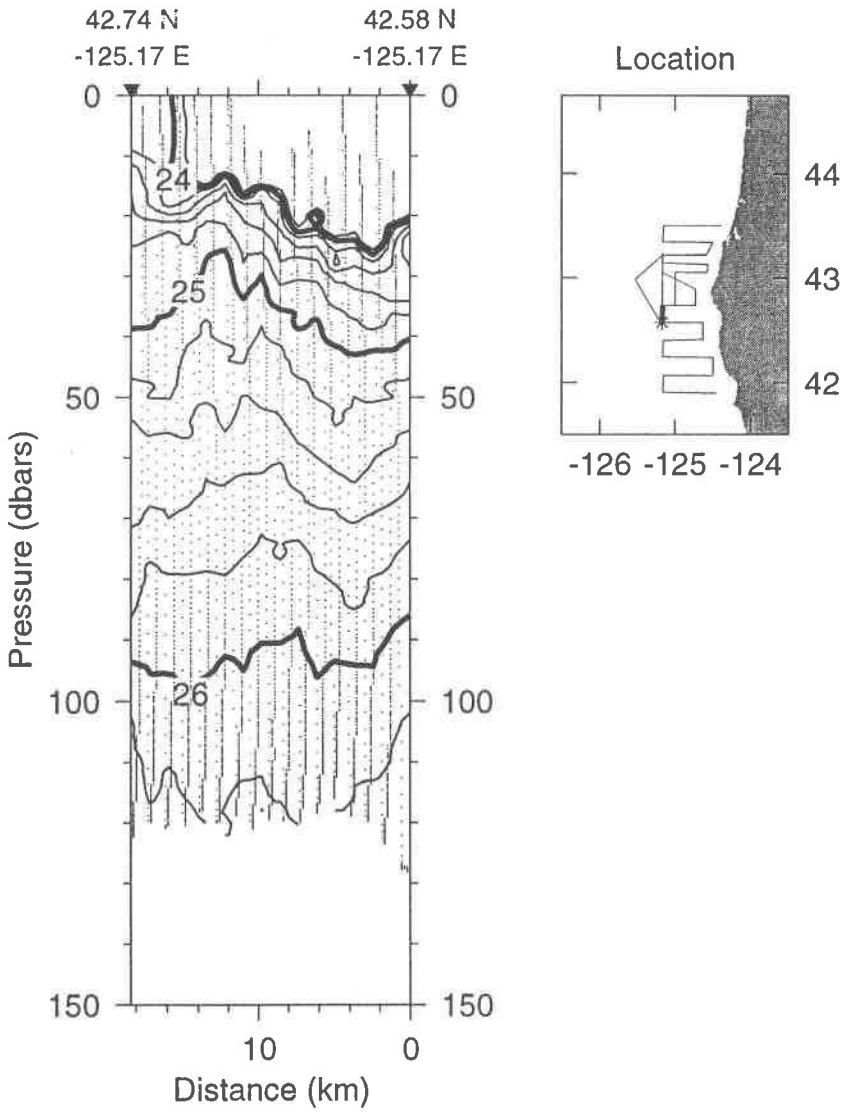

Line 19 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Location
44
43
42
-126 -125 -124
24
25
25
26
26
Pressure (dbars)
0
50
100
150
60
50
40
30
20
10
0
Distance (km)

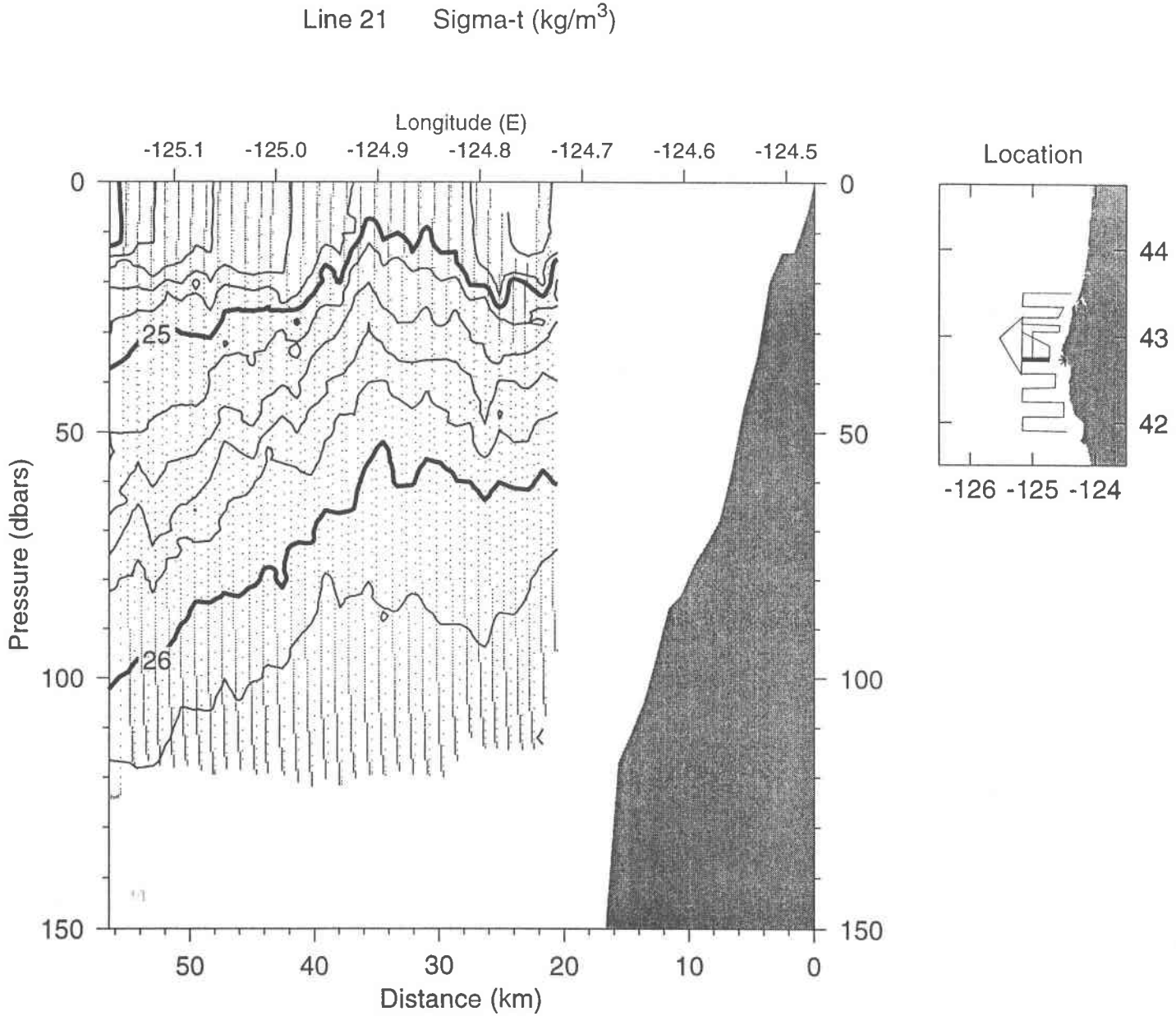
Line 19-20 Sigma-t (kg/m^3)



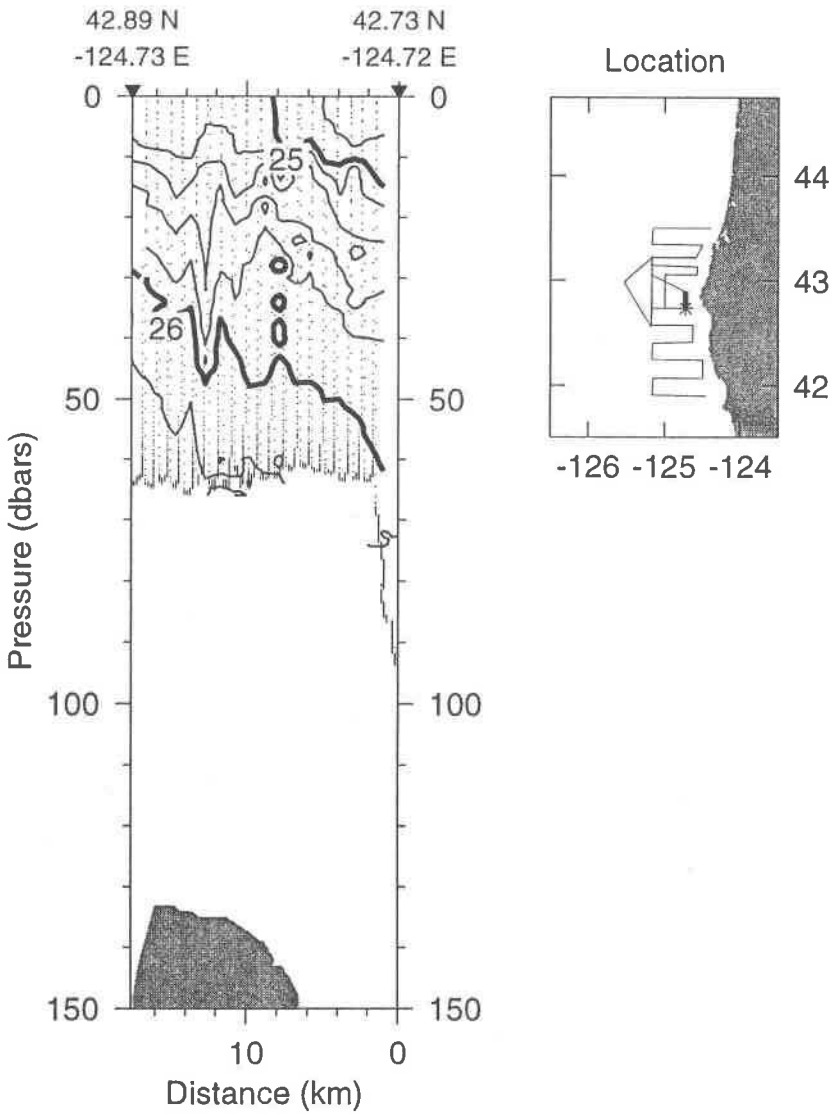

Line 20 Sigma-t (kg/m3)
Longitude (E)
-125.1 -125.0 -124.9 -124.8 -124.7 -124.6 -124.5 -124.4
Location
44
43
42
-126 -125 -124
24
25
26
26
Pressure (dbars)
0
50
100
150
60 50 40 30 20 10 0
Distance (km)

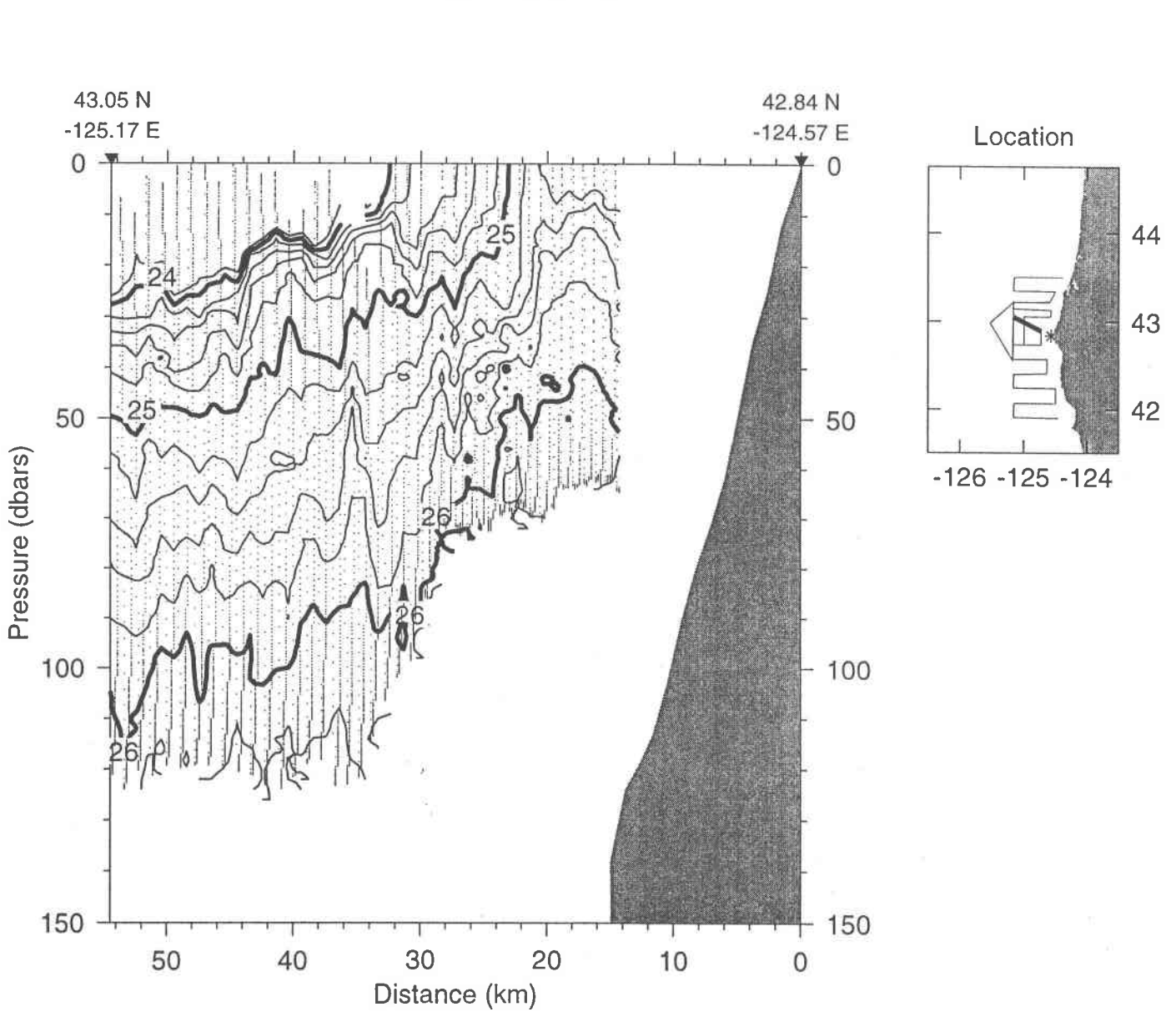
Line 20-21 Sigma-t (kg/m^3)

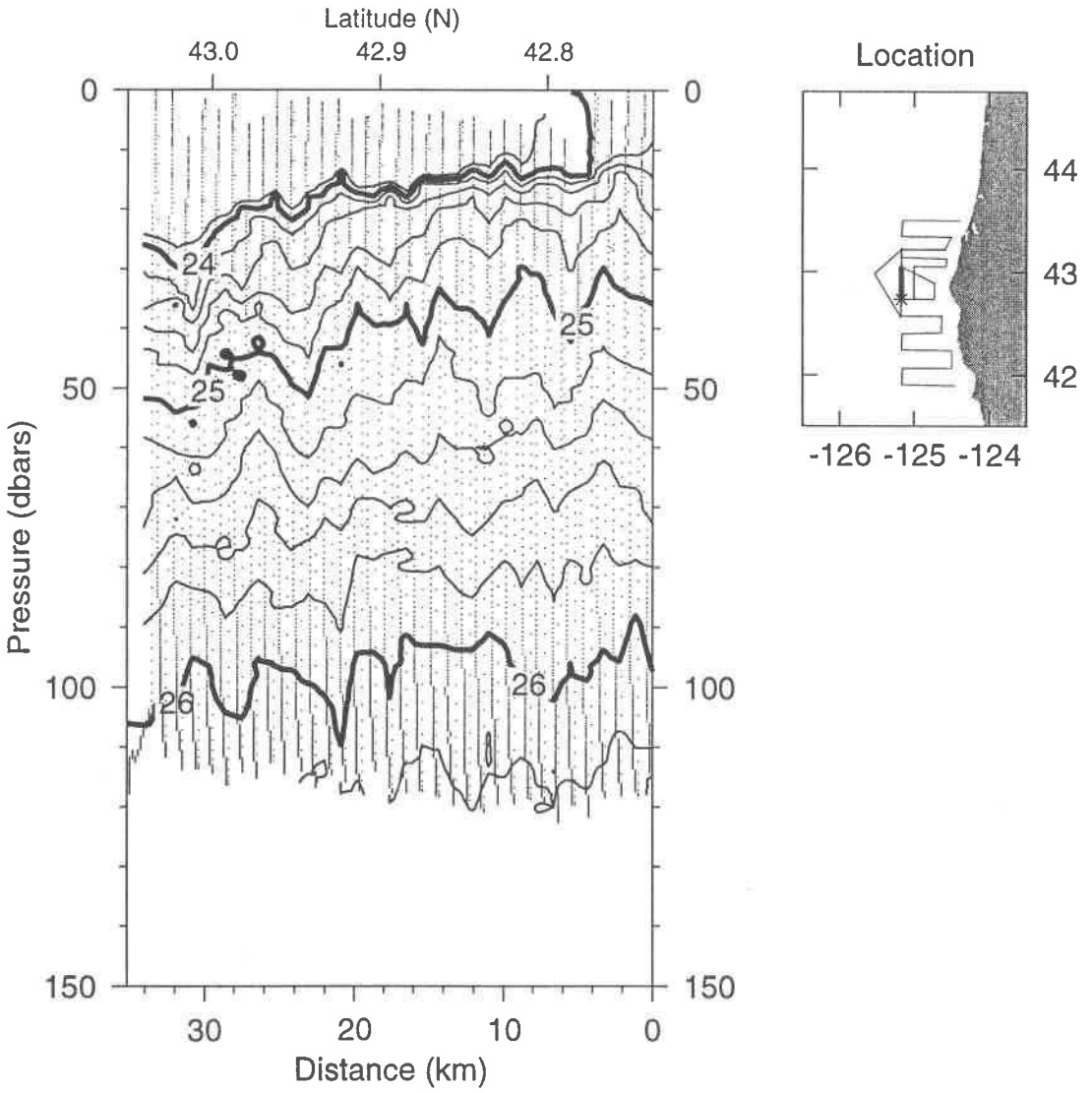


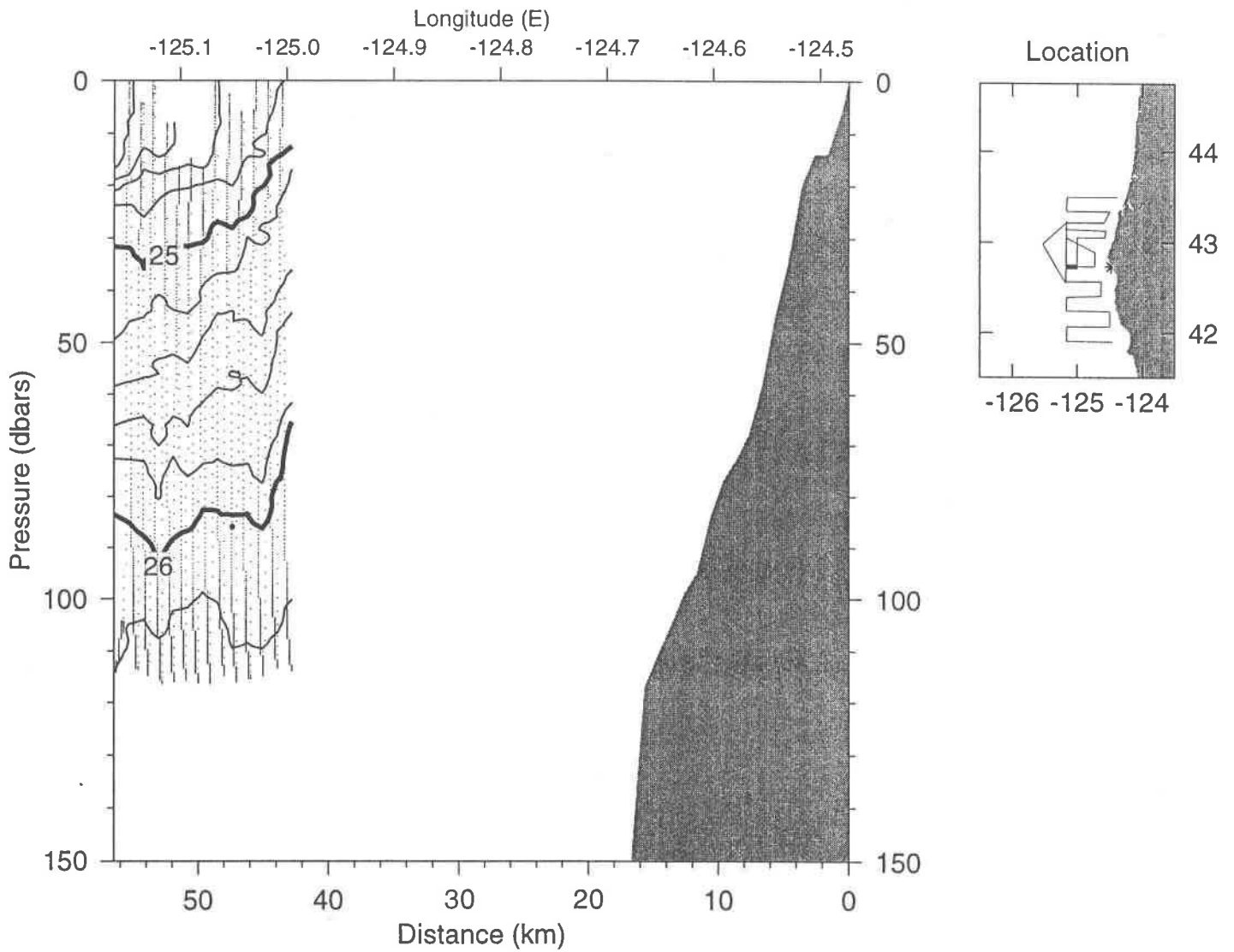

Line 21 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
25
26
Distance (km)
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

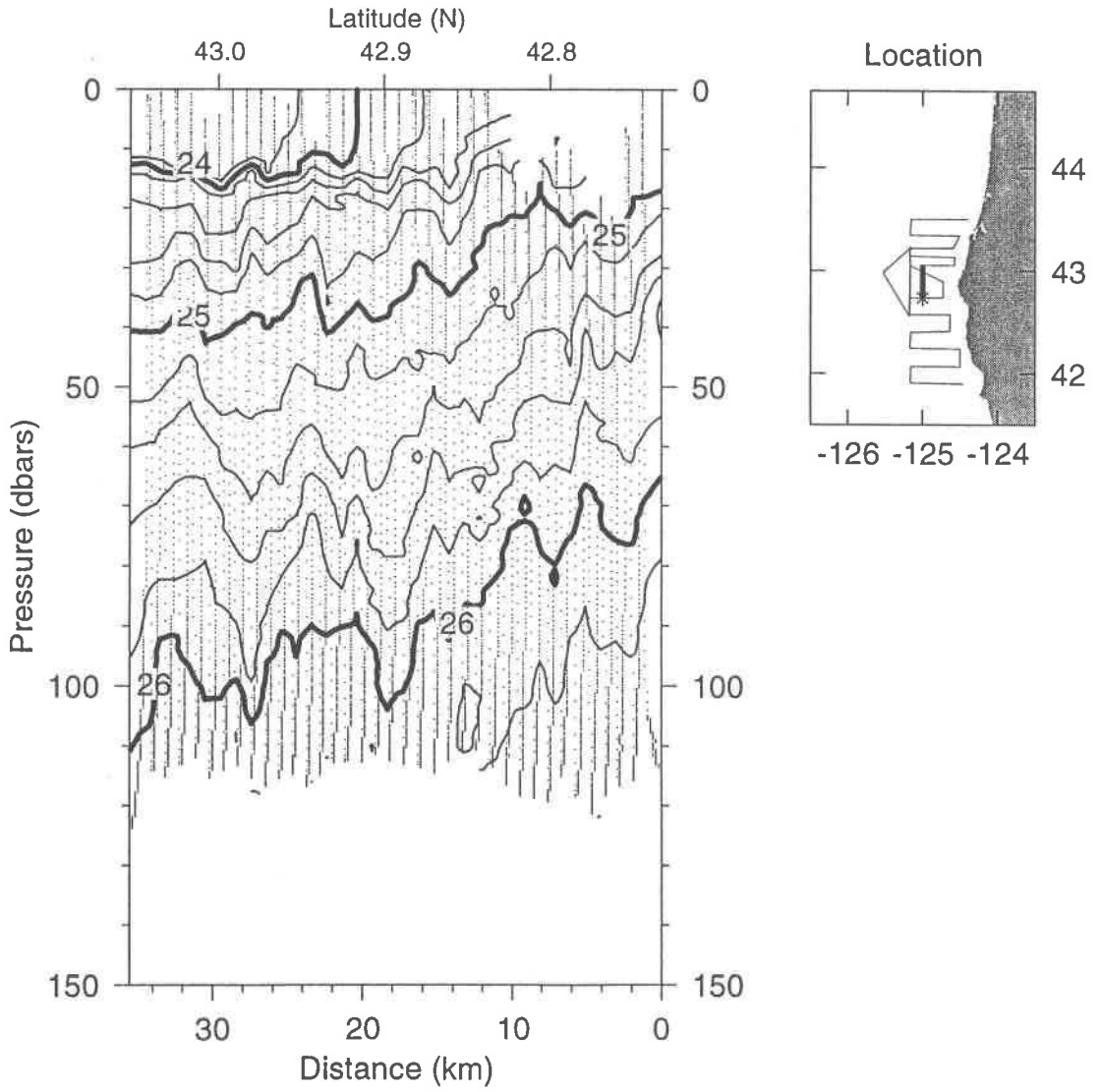
Line 21-22 Sigma-t (kg/m^3)

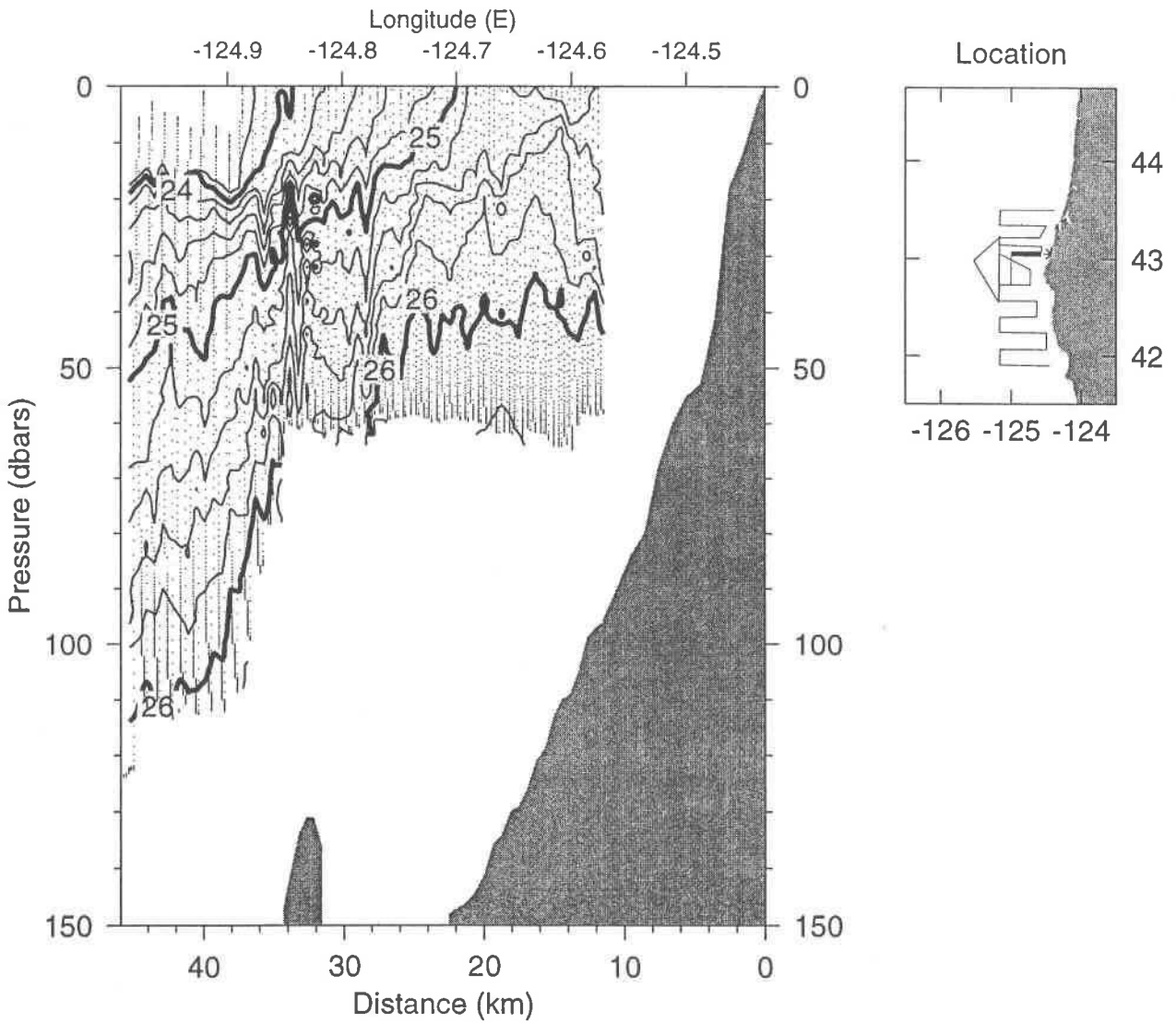



Line 22 Sigma-t (kg/m3)
43.05 N
-125.17 E
42.84 N
-124.57 E
Location
Pressure (dbars)
Distance (km)
24
25
25
26
26
26
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124

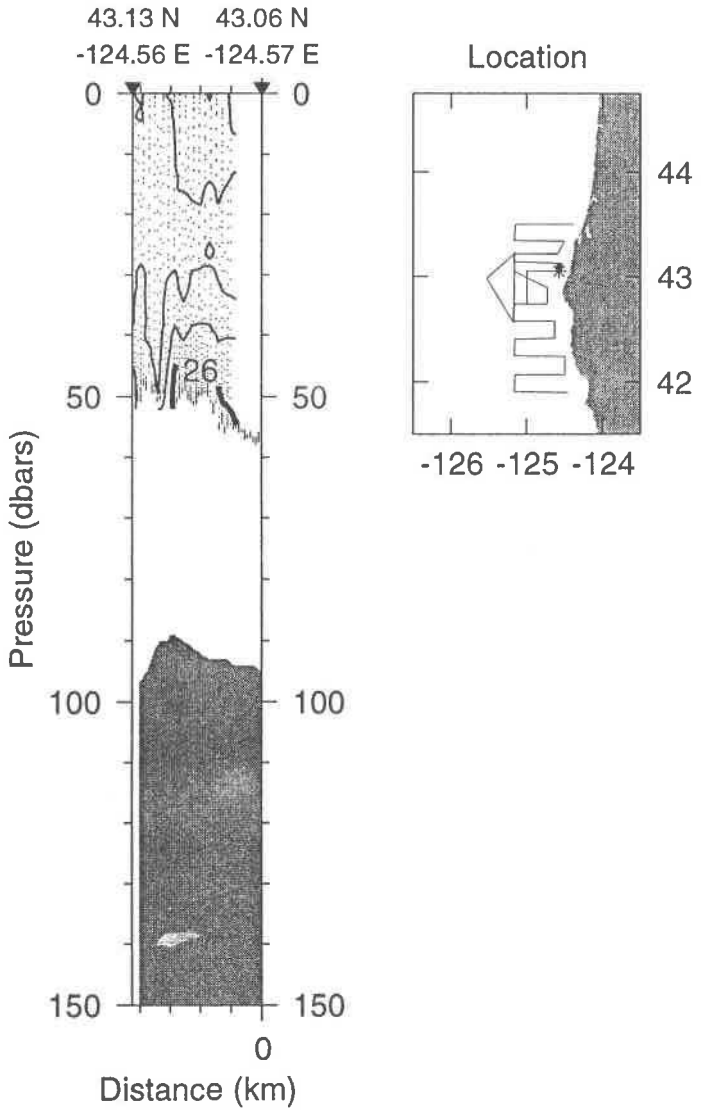

Line 23 Sigma-t (kg/m3)
Latitude (N)
43.0
42.9
42.8
0
50
100
150
24
25
25
26
26
Pressure (dbars)
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

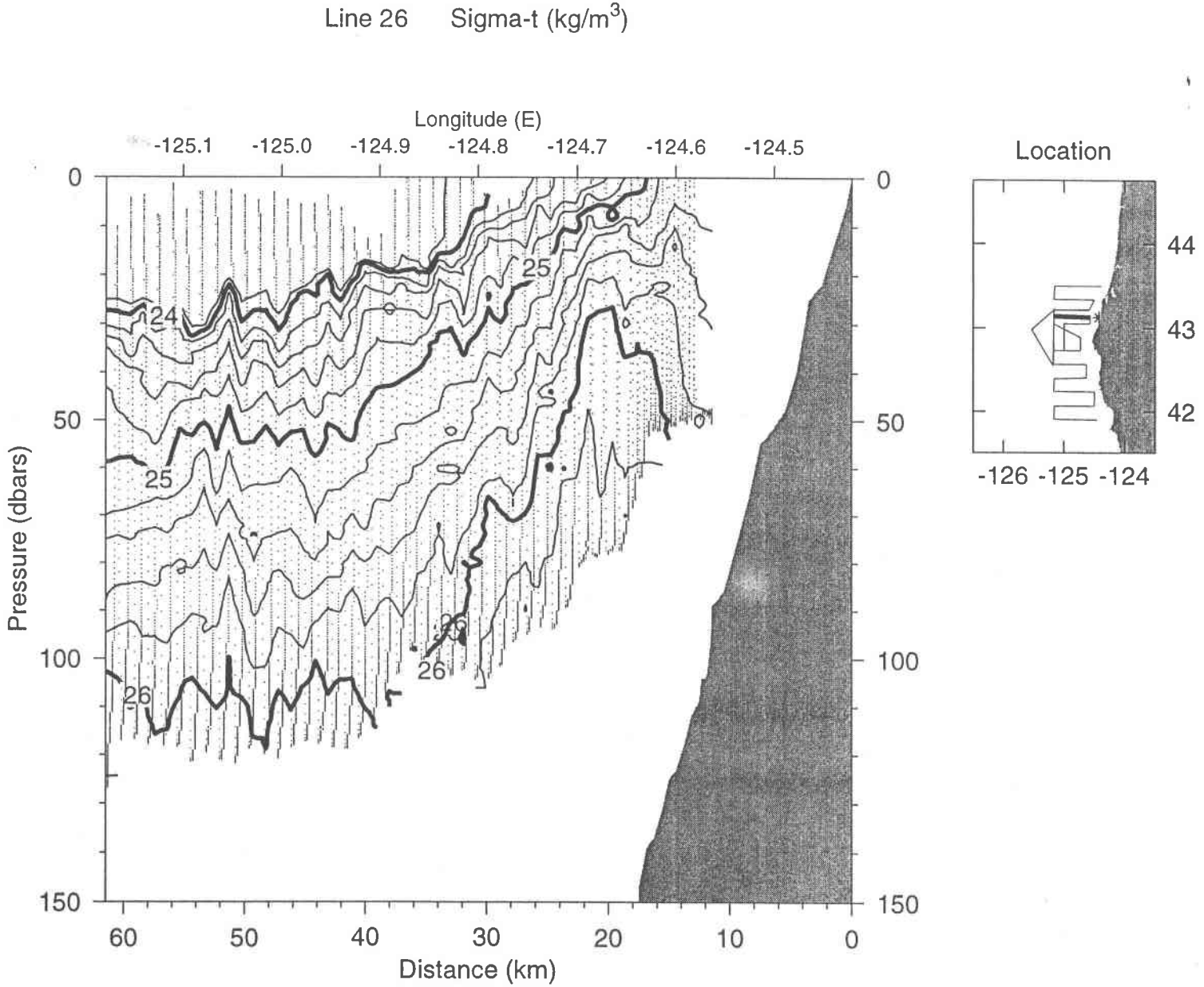

Line 23-24 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
25
26
Distance (km)
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124


Line 24 Sigma-t (kg/m3)
Latitude (N)
43.0
42.9
42.8
Location
44
43
42
-126 -125 -124
24
25
25
26
26
Pressure (dbars)
0
50
100
150
30
20
10
0
Distance (km)

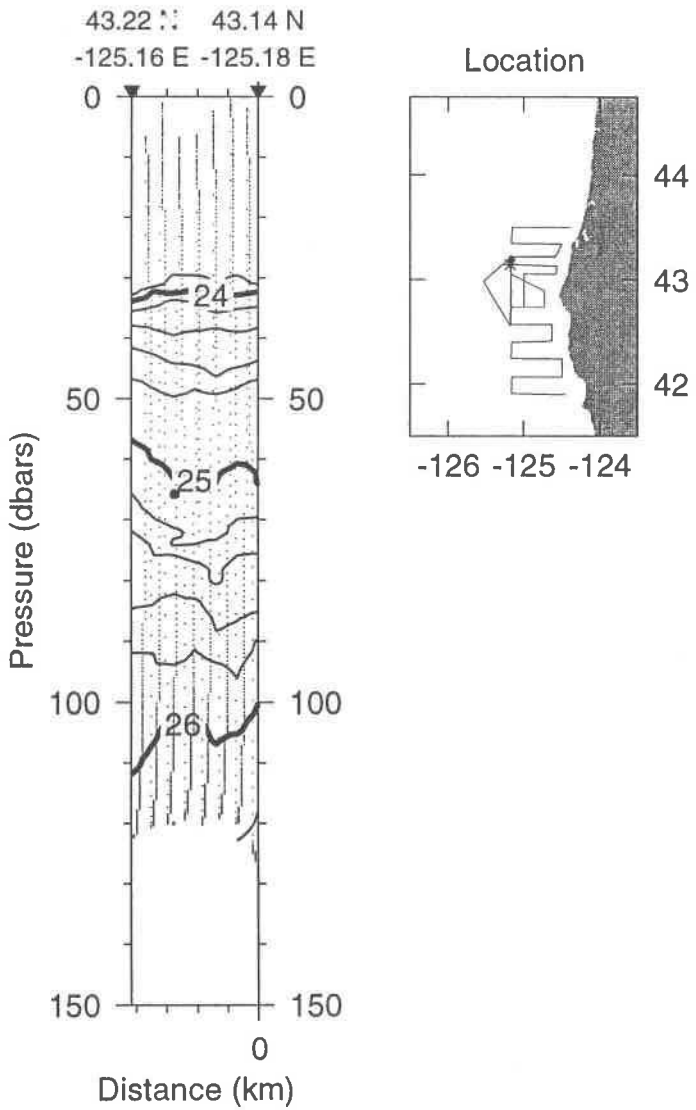

Line 25 Sigma-t (kg/m3)
Longitude (E)
-124.9
-124.8
-124.7
-124.6
-124.5
0
50
100
150
Pressure (dbars)
24
25
26
40
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

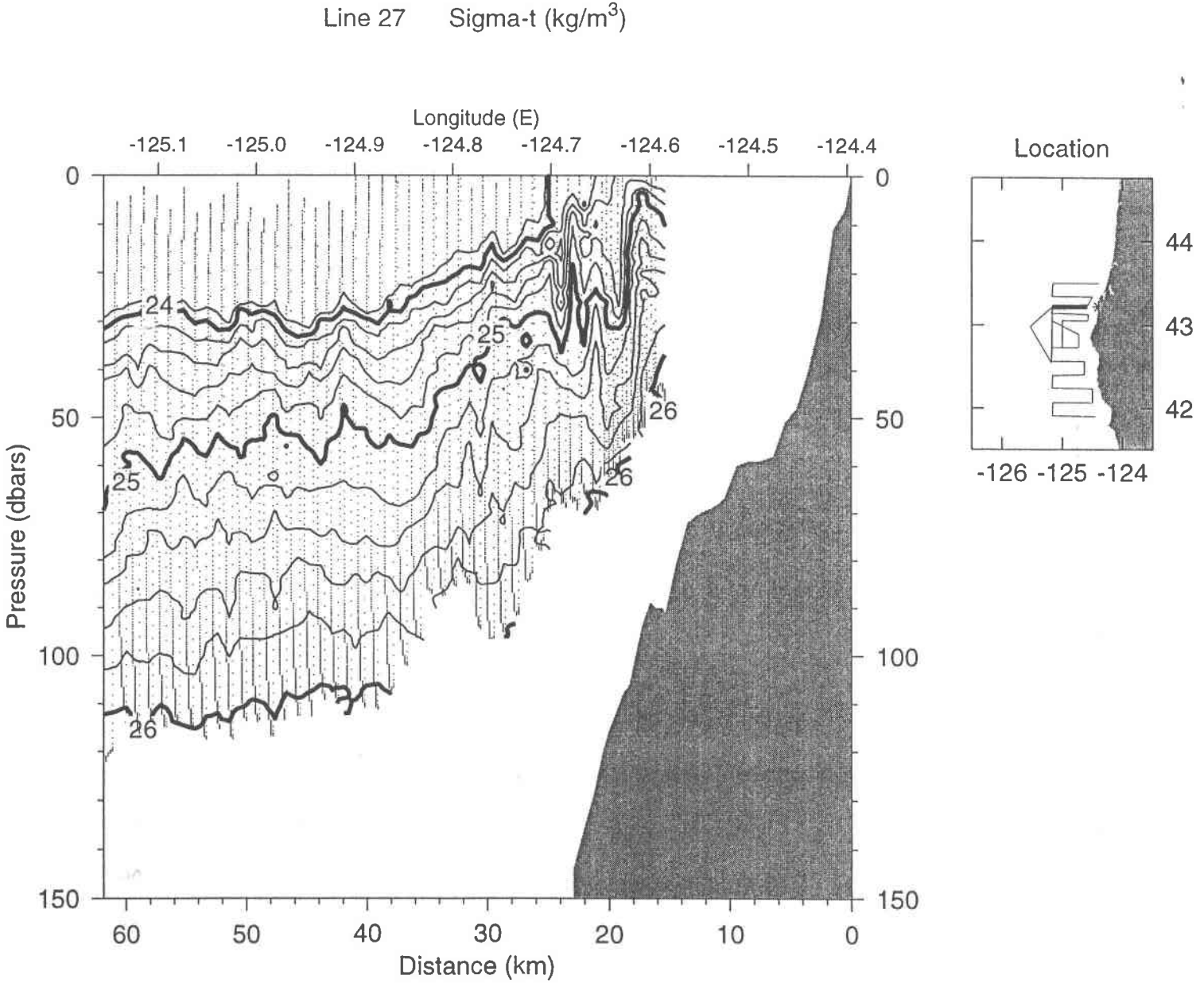
Line 25-26 Sigma-t (kg/m^3)



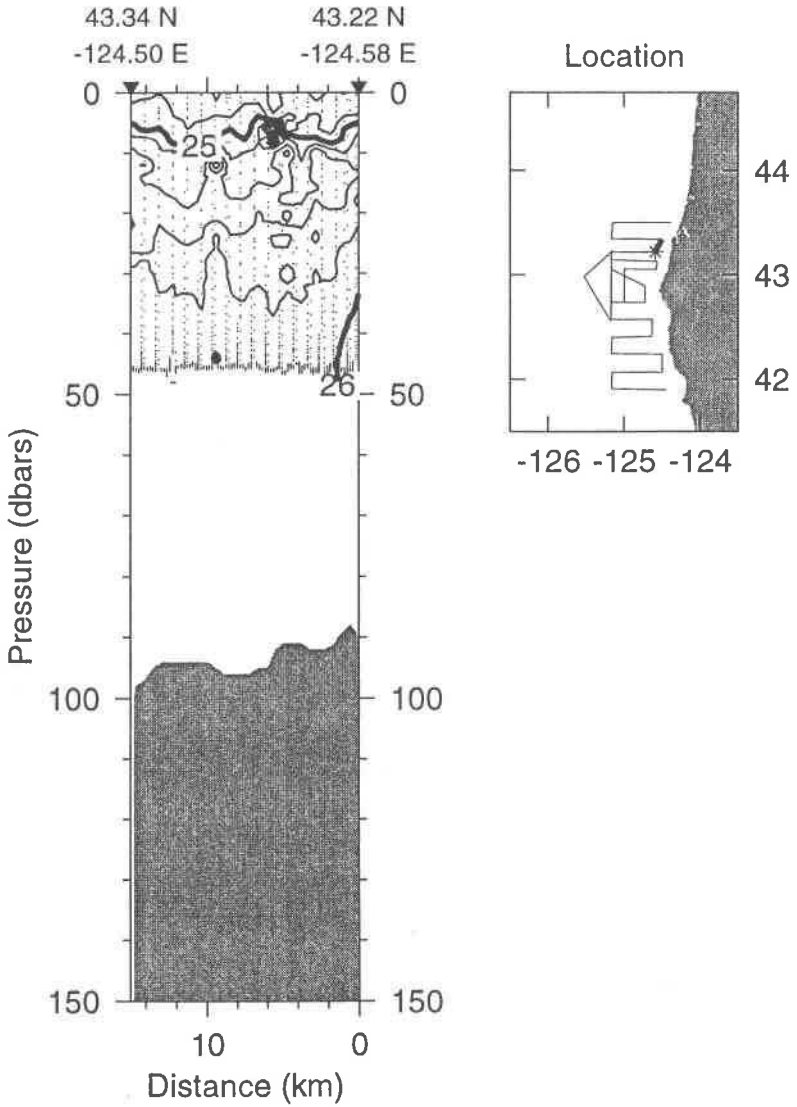

Line 26 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
24
25
25
26
26
26
60
50
40
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

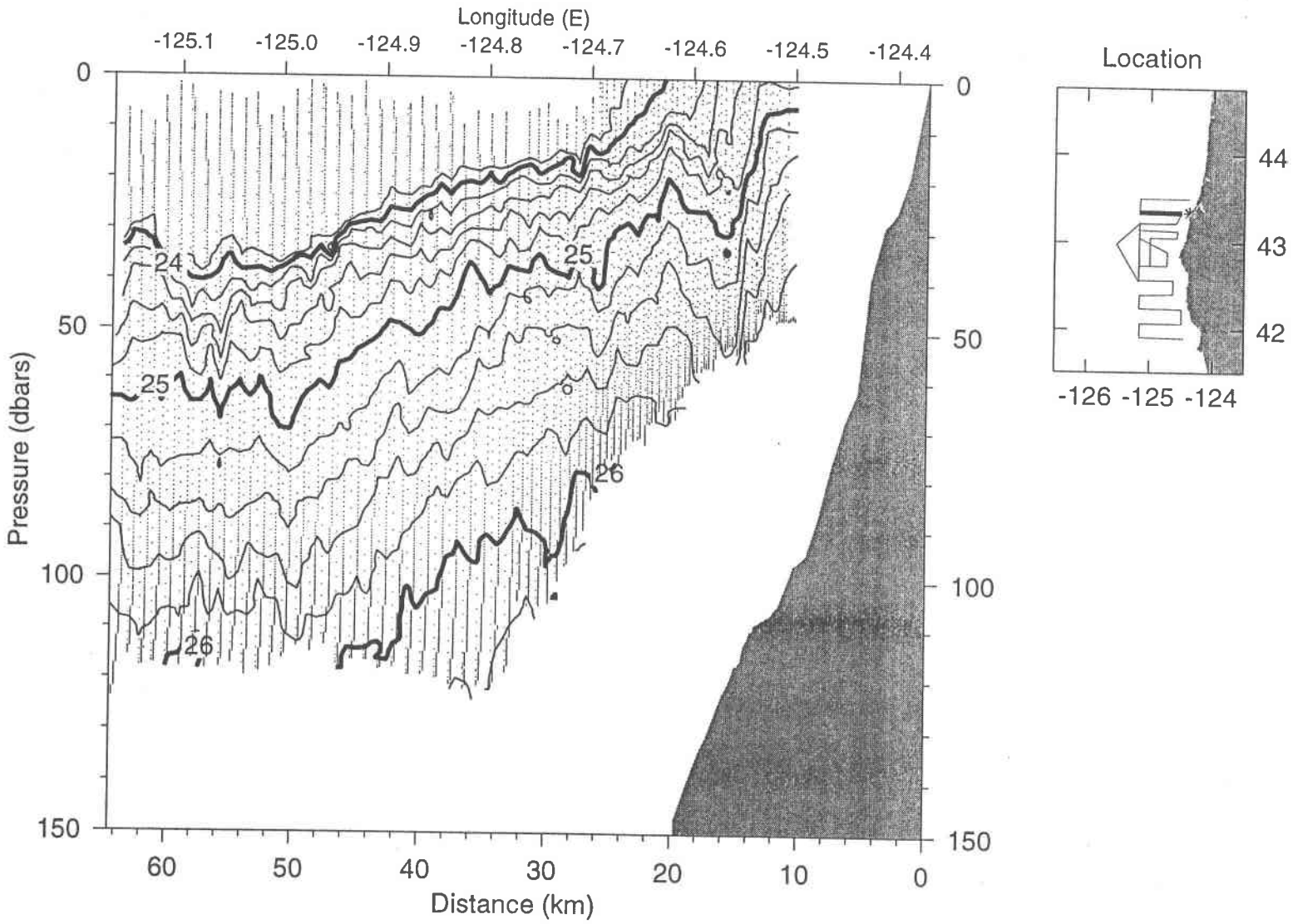
Line 26-27 Sigma-t (kg/m^3)



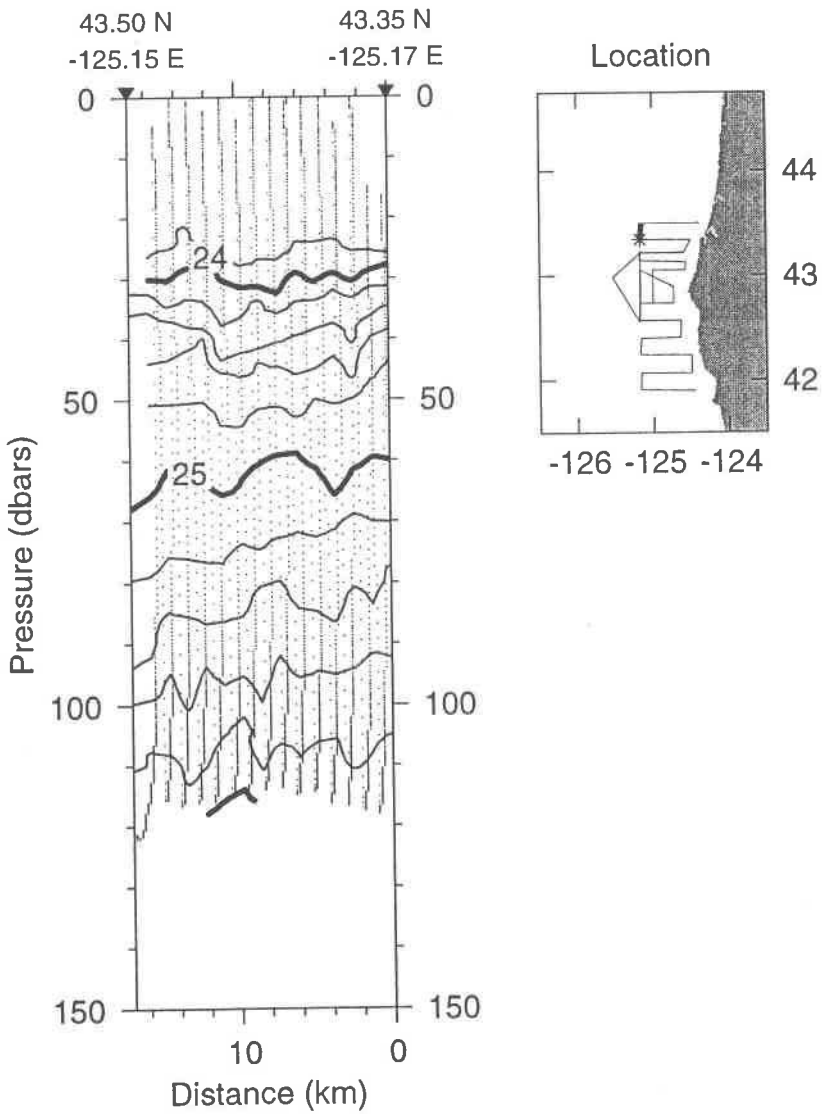

Line 27 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
24
25
26
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

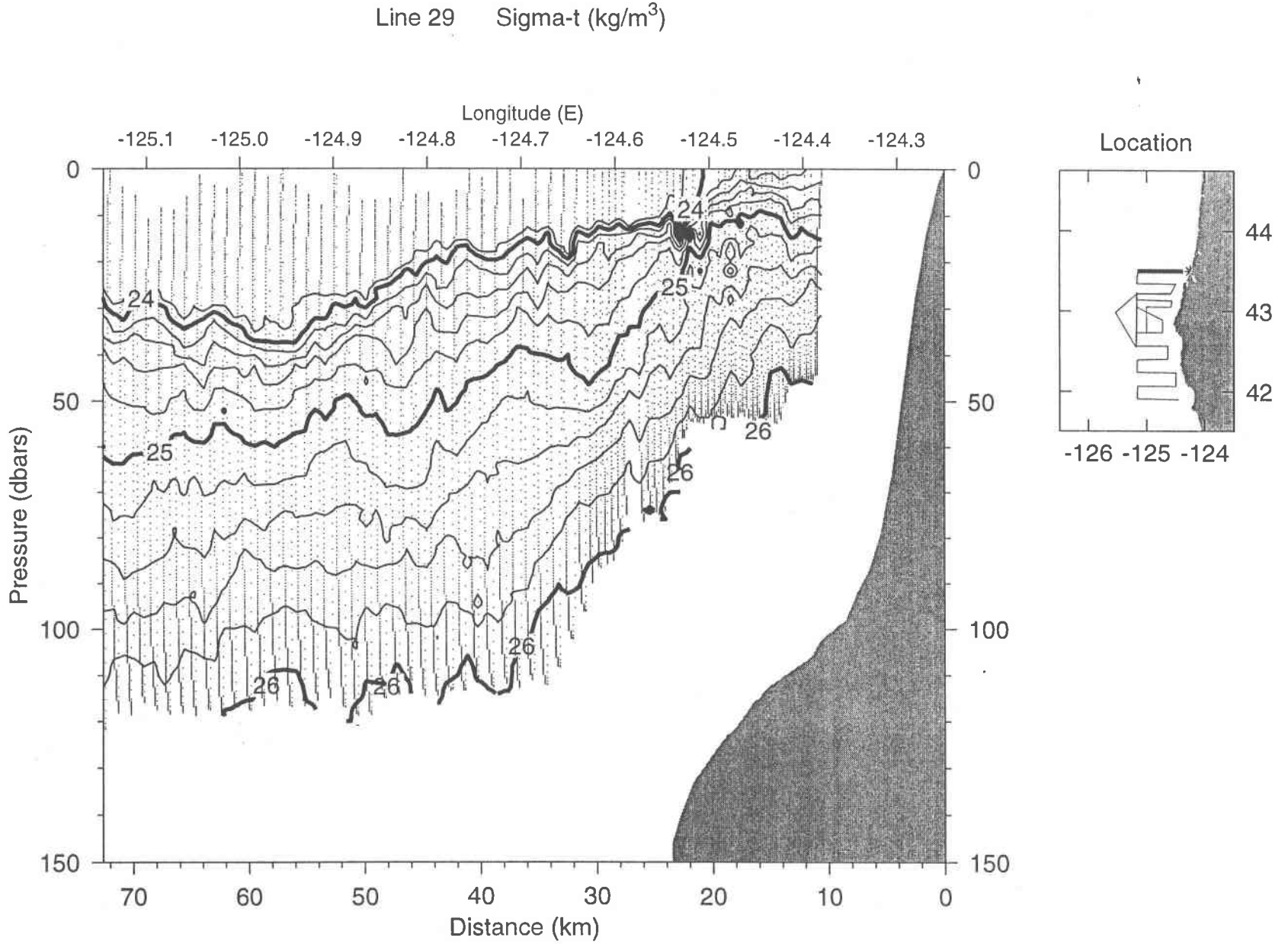
Line 27-28 Sigma-t (kg/m^3)

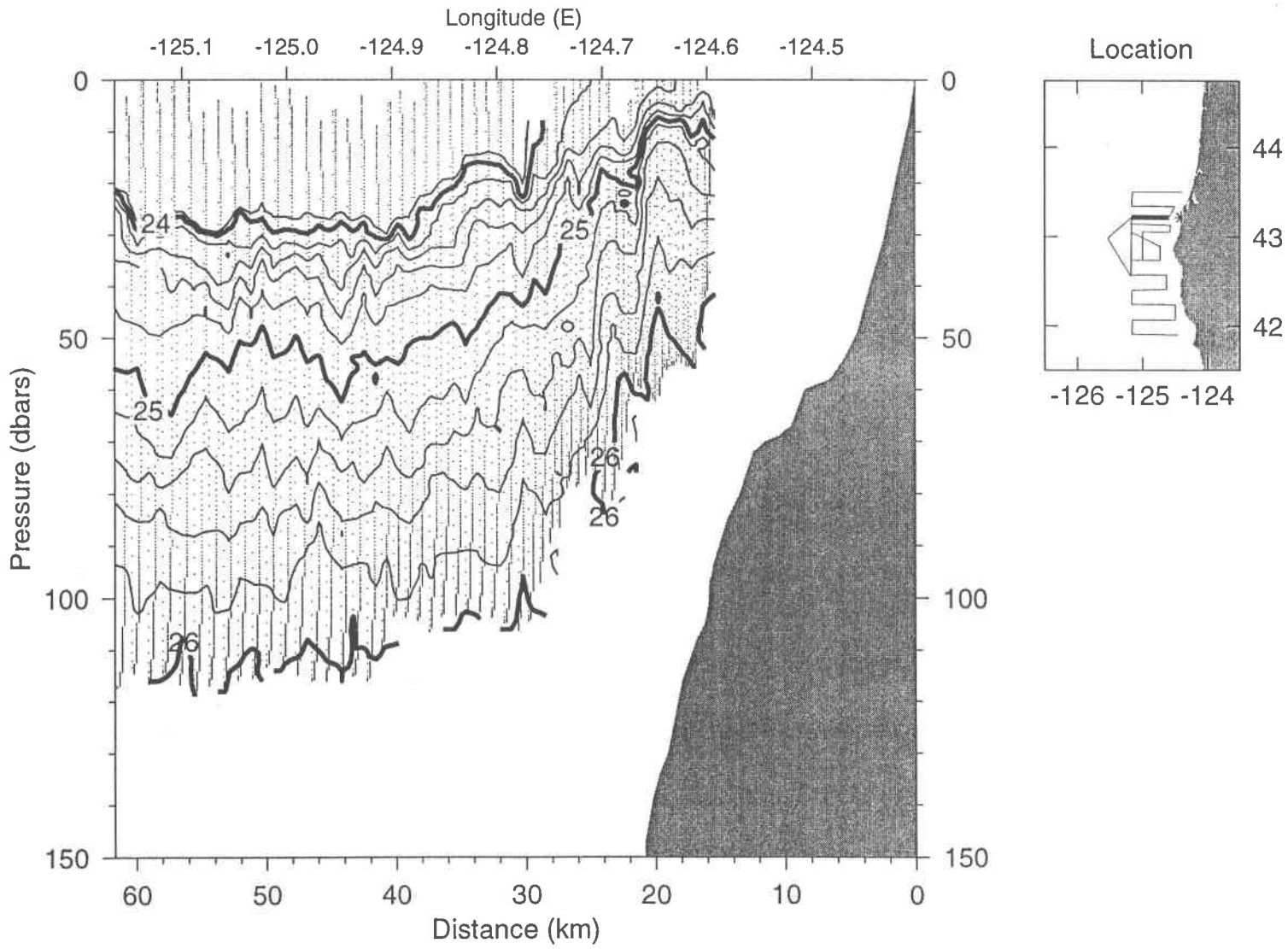



Line 28 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
-124.4
Pressure (dbars)
0
50
100
150
24
25
25
26
26
60
50
40
30
20
10
0
Distance (km)
Location
44
43
42
-126 -125 -124

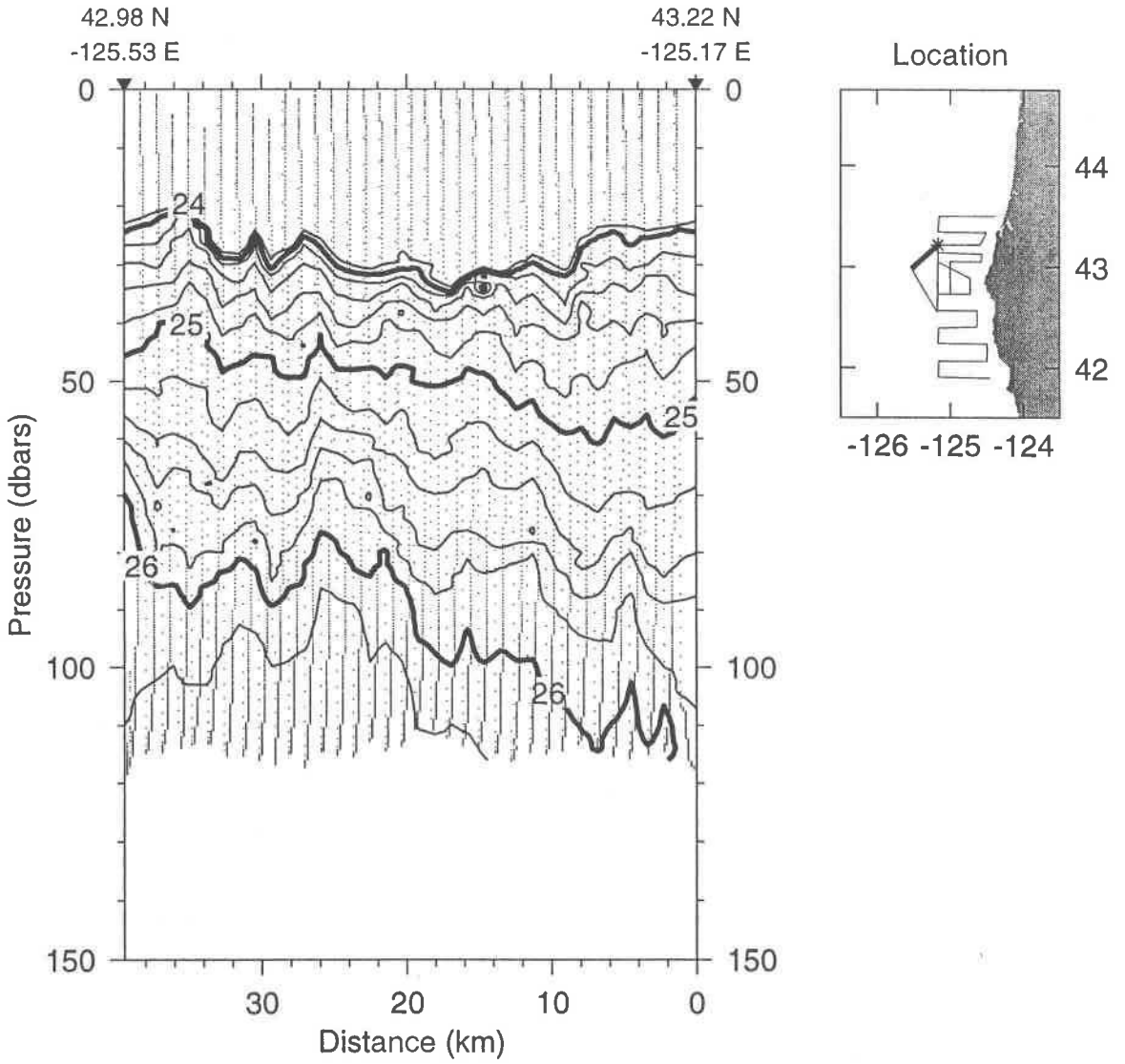
Line 28-29 Sigma-t (kg/m^3)

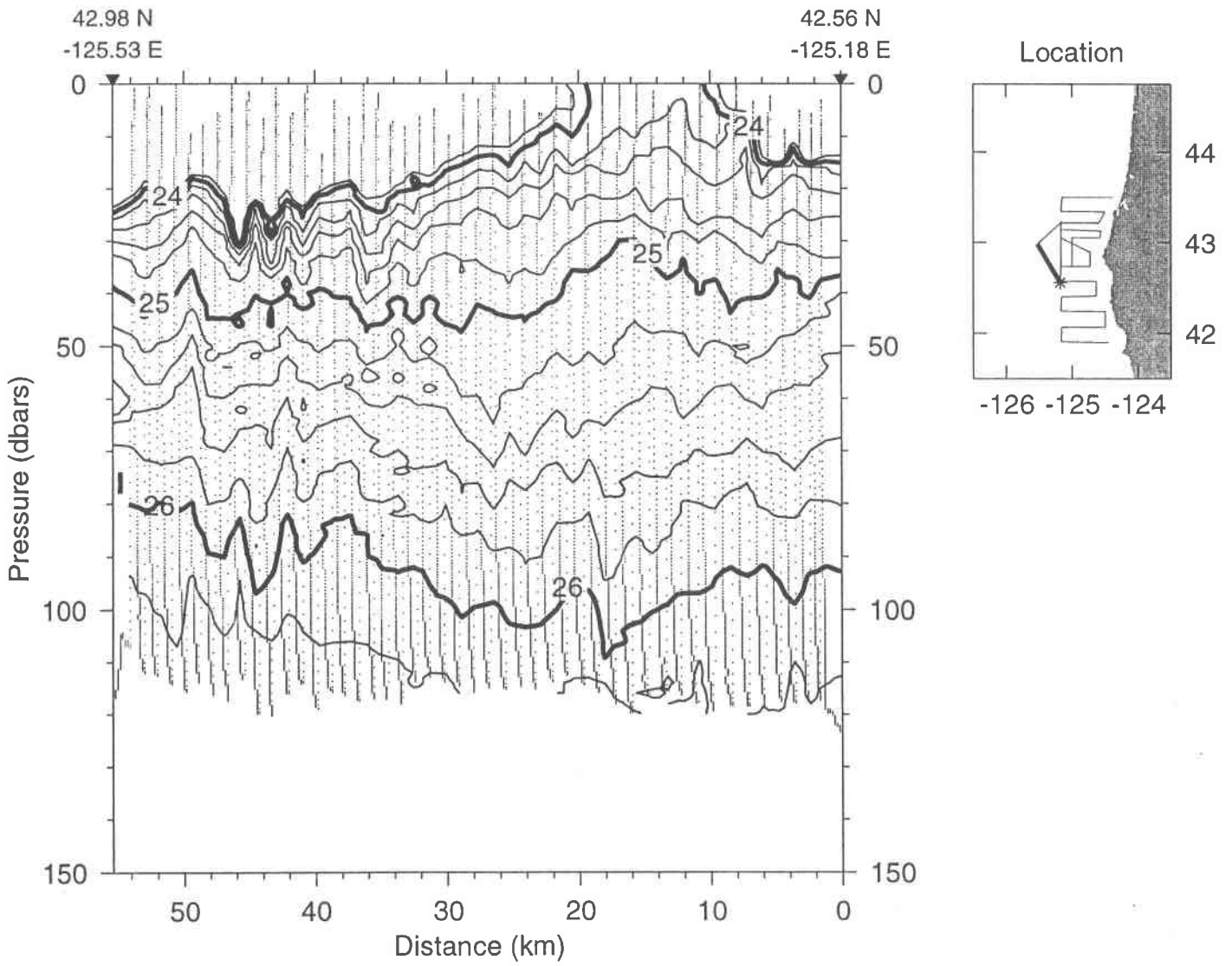


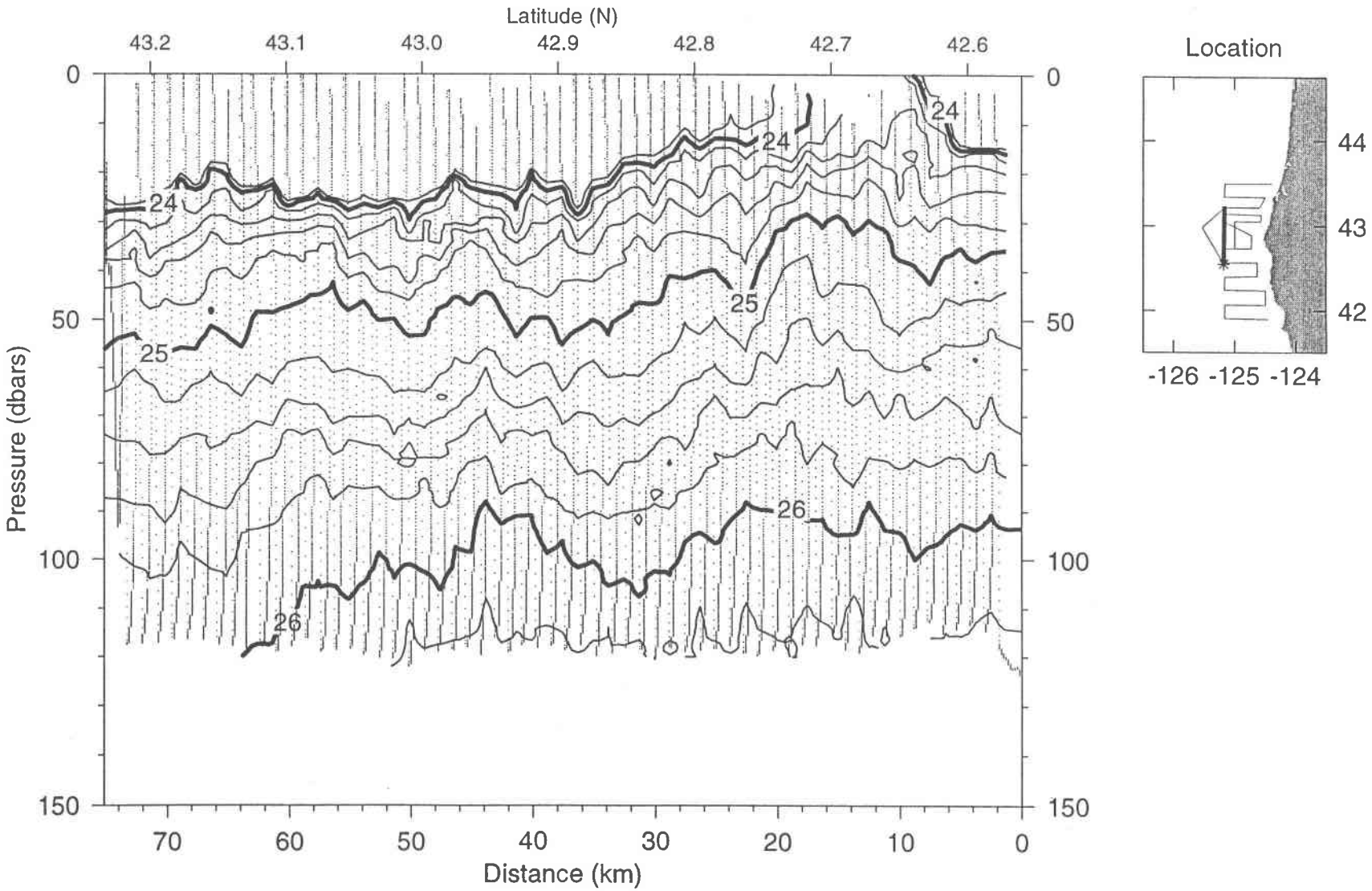

Line 29 Sigma-t (kg/m3)
Longitude (E)
-125.1 -125.0 -124.9 -124.8 -124.7 -124.6 -124.5 -124.4 -124.3
Location
44
43
42
-126 -125 -124
Pressure (dbars)
0
50
100
150
24
25
26
70 60 50 40 30 20 10 0
Distance (km)


Line 30 Sigma-t (kg/m3)
Longitude (E)
-125.1
-125.0
-124.9
-124.8
-124.7
-124.6
-124.5
Pressure (dbars)
0
50
100
150
24
25
25
26
26
26
Distance (km)
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

Line 31 Sigma-t (kg/m^3)

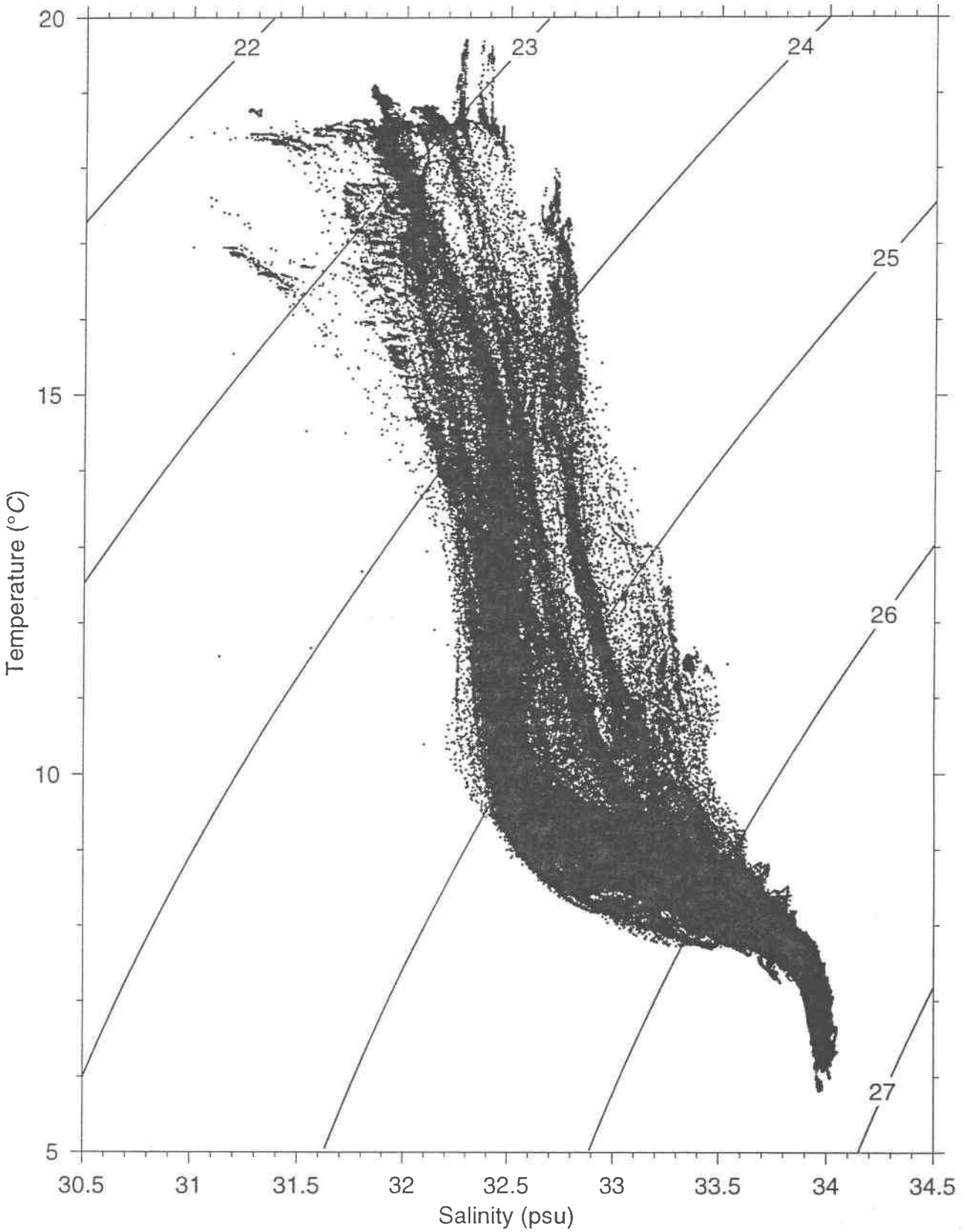



Line 32 Sigma-t (kg/m3)
42.98 N
-125.53 E
42.56 N
-125.18 E
Location
24
25
26
Pressure (dbars)
Distance (km)
0
50
100
150
50
40
30
20
10
0
44
43
42
-126 -125 -124

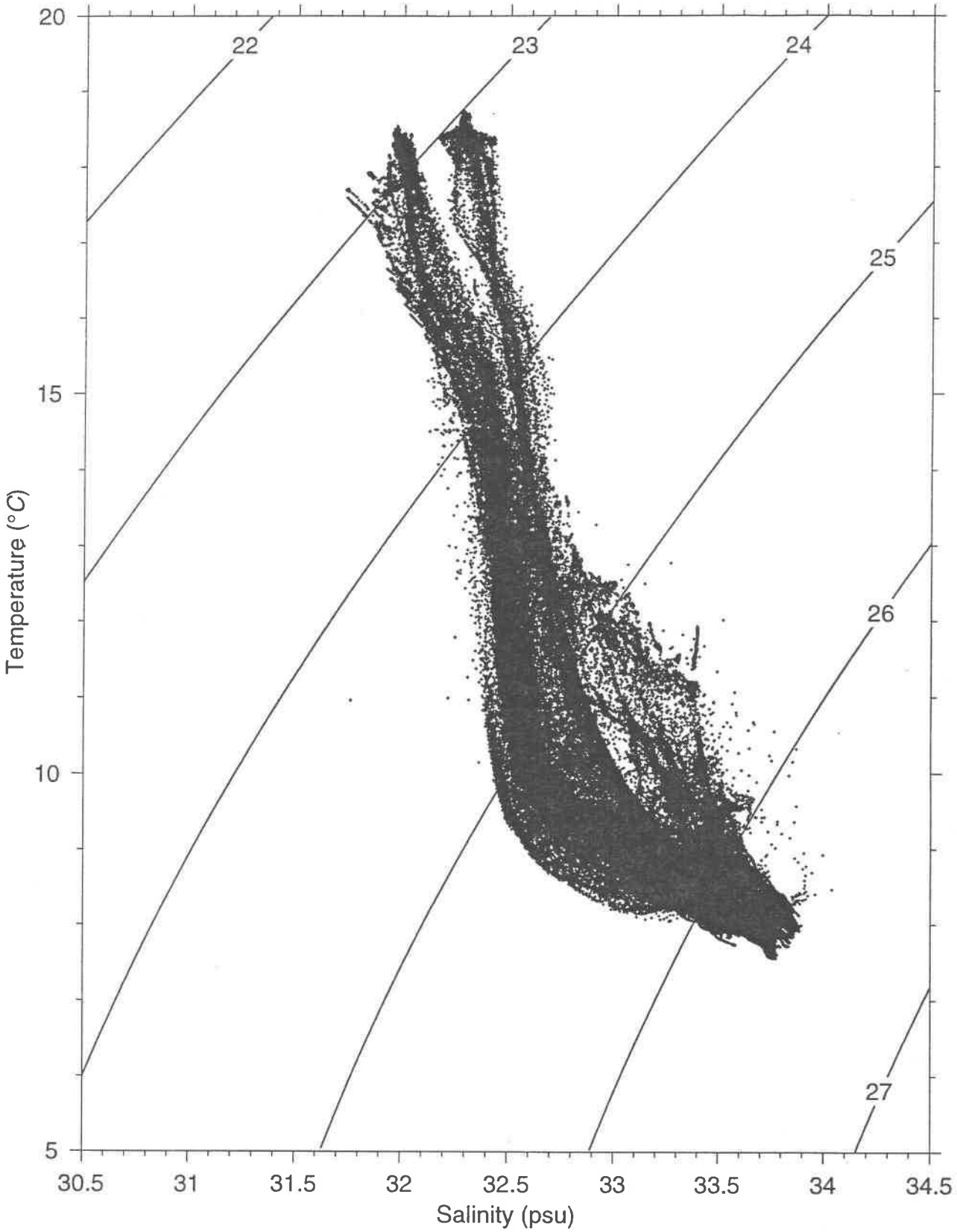

Line 33 Sigma-t (kg/m3)
Latitude (N)
43.2
43.1
43.0
42.9
42.8
42.7
42.6
Pressure (dbars)
0
50
100
150
24
25
26
Distance (km)
70
60
50
40
30
20
10
0
Location
44
43
42
-126 -125 -124

Summary Temperature-Salinity Diagrams

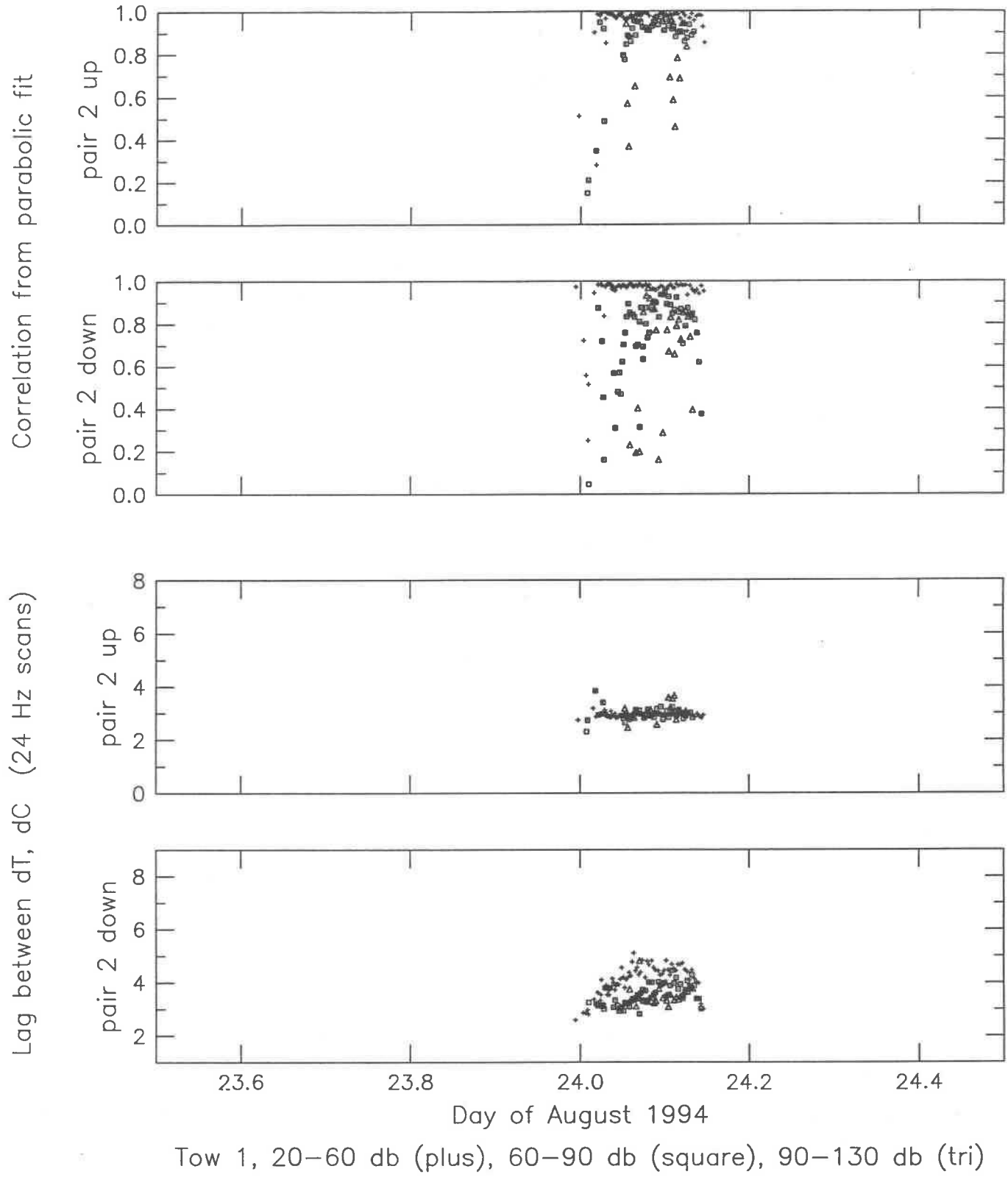
Tows 1 - 4

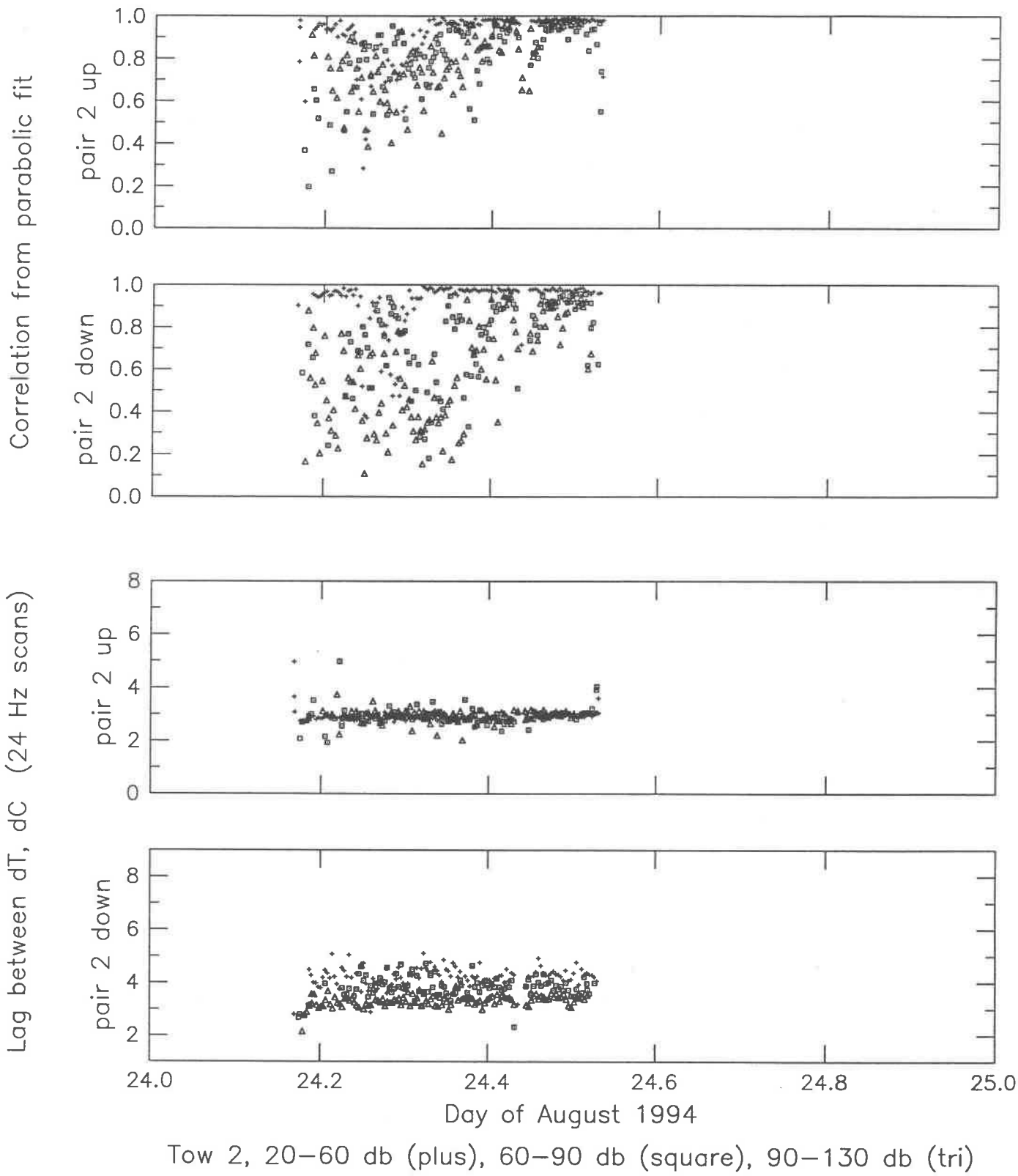

20
15
10
5
22
23
24
25
26
27
Temperature (°C)
30.5
31
31.5
32
32.5
33
33.5
34
34.5
Salinity (psu)

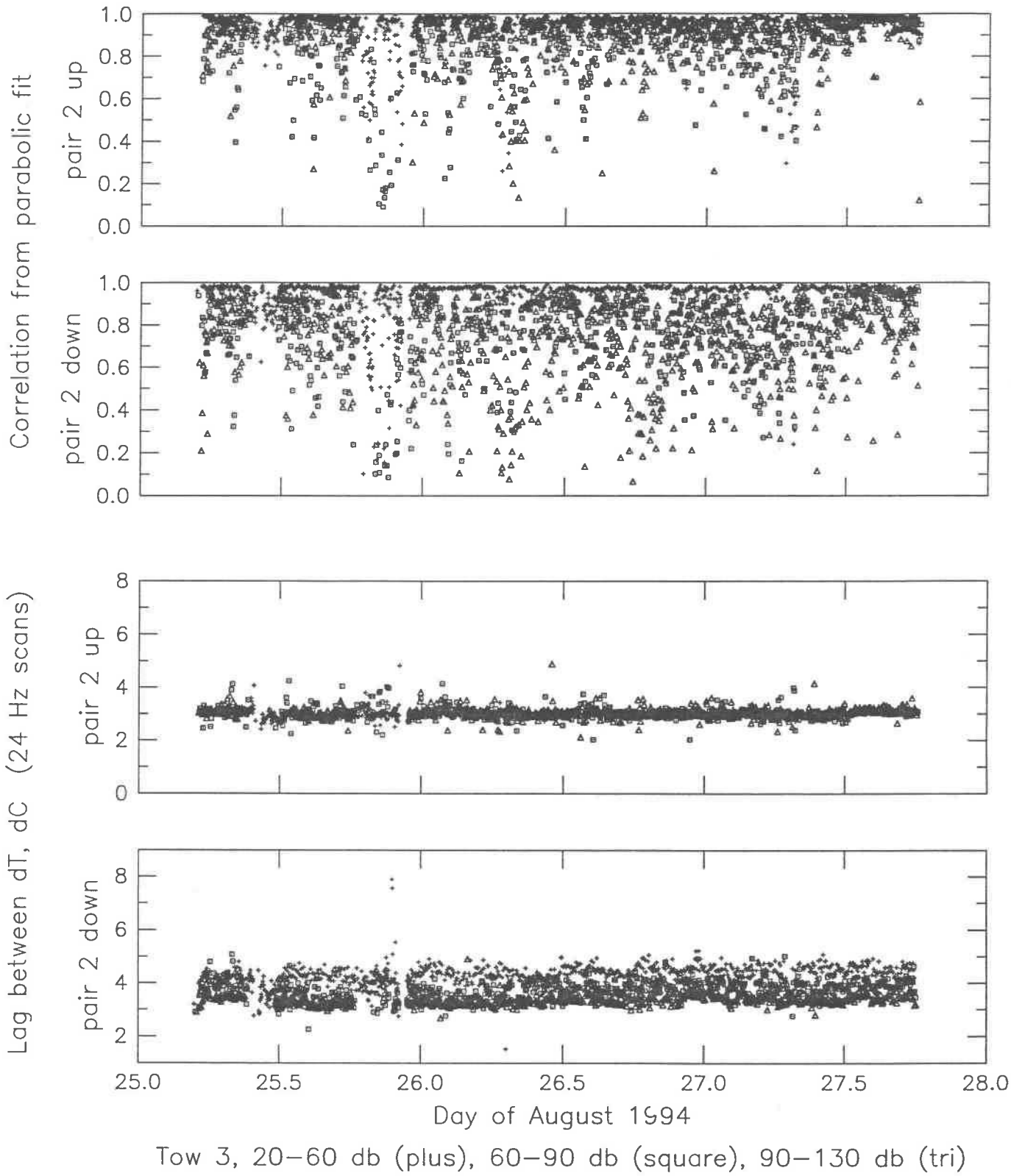
Tow 5 & 6

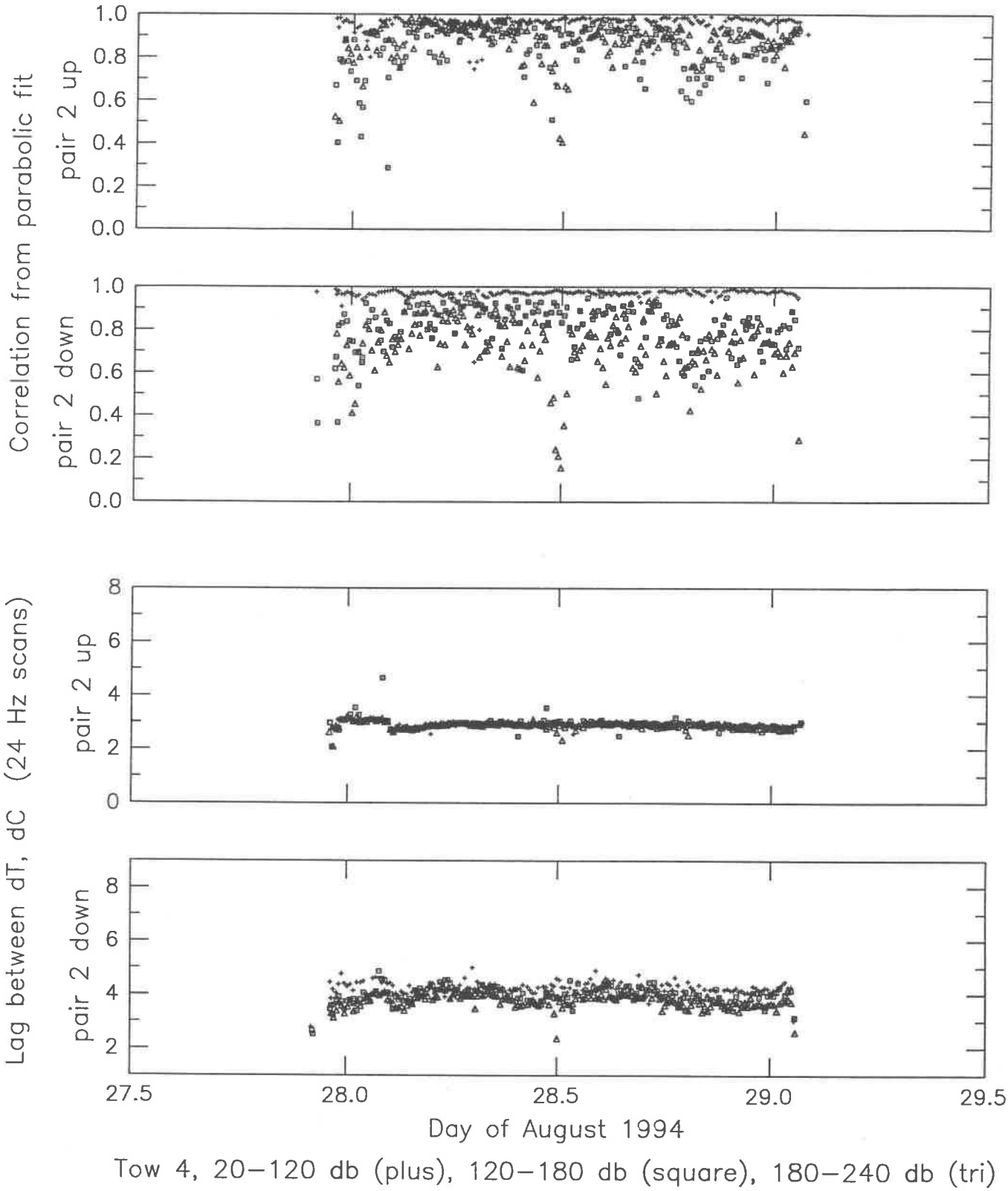

20
15
10
5
22
23
24
25
26
27
Temperature (°C)
30.5
31
31.5
32
32.5
33
33.5
34
34.5
Salinity (psu)

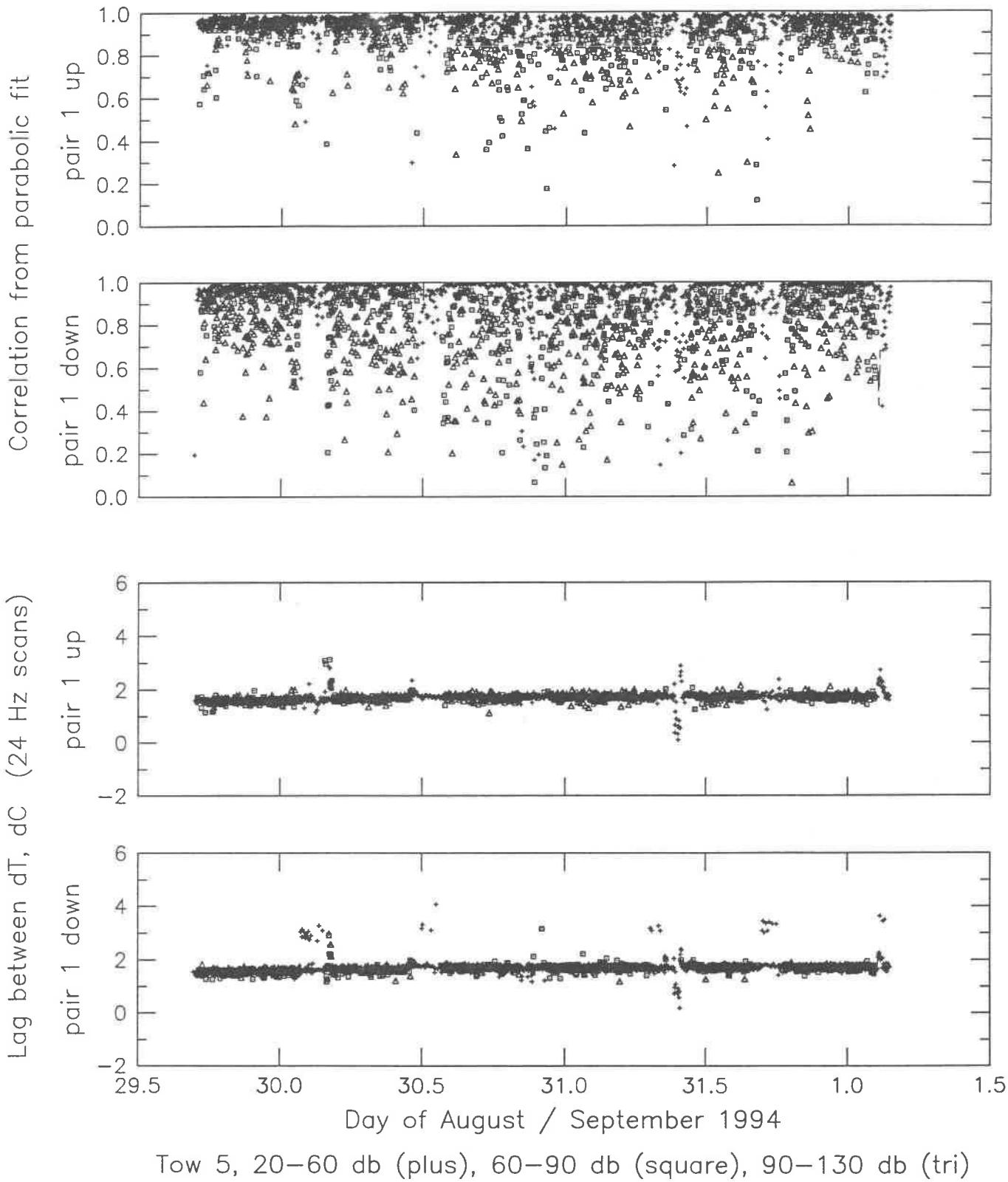
Appendix: Time Series of Maximum T/C Correlations and Lags

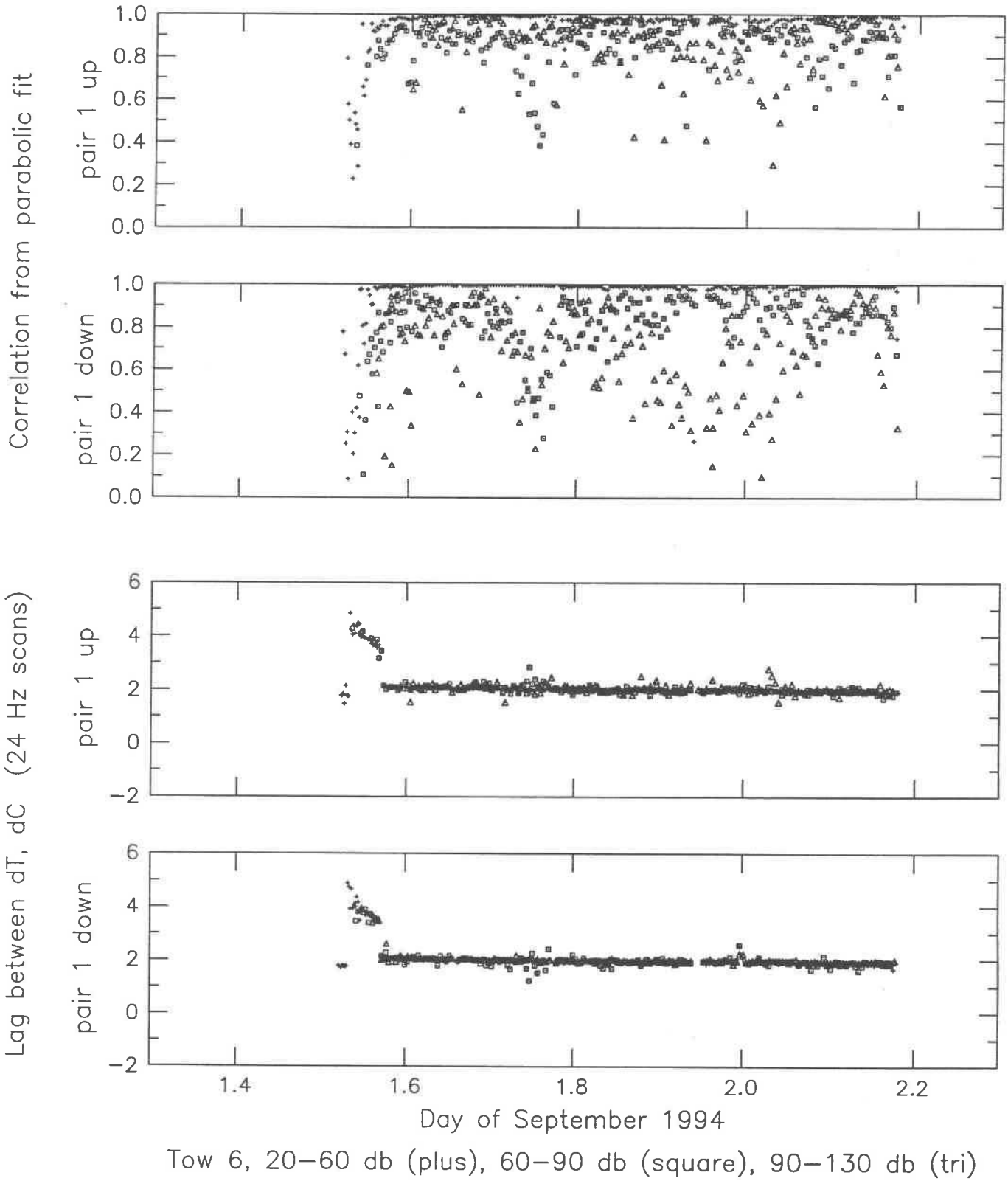

Correlation from parabolic fit
pair 2 up
pair 2 down
1.0
0.8
0.6
0.4
0.2
0.0
Lag between dT, dC (24 Hz scans)
8
6
4
2
0
23.6
23.8
24.0
24.2
24.4
Day of August 1994
Tow 1, 20–60 db (plus), 60–90 db (square), 90–130 db (tri)


Correlation from parabolic fit
pair 2 up
pair 2 down
Lag between dT, dC (24 Hz scans)
pair 2 up
pair 2 down
24.0
24.2
24.4
24.6
24.8
25.0
Day of August 1994
Tow 2, 20–60 db (plus), 60–90 db (square), 90–130 db (tri)


Correlation from parabolic fit
pair 2 up
pair 2 down
1.0
0.8
0.6
0.4
0.2
0.0
Lag between dT, dC (24 Hz scans)
8
6
4
2
0
25.0
25.5
26.0
26.5
27.0
27.5
28.0
Day of August 1994
Tow 3, 20–60 db (plus), 60–90 db (square), 90–130 db (tri)


Correlation from parabolic fit
pair 2 up
pair 2 down
1.0
0.8
0.6
0.4
0.2
0.0
Lag between dT, dC (24 Hz scans)
8
6
4
2
0
27.5
28.0
28.5
29.0
29.5
Day of August 1994
Tow 4, 20–120 db (plus), 120–180 db (square), 180–240 db (tri)


Correlation from parabolic fit
pair 1 up
pair 1 down
1.0
0.8
0.6
0.4
0.2
0.0
Lag between dT, dC (24 Hz scans)
6
4
2
0
−2
29.5
30.0
30.5
31.0
31.5
1.0
1.5
Day of August / September 1994
Tow 5, 20−60 db (plus), 60−90 db (square), 90−130 db (tri)


Correlation from parabolic fit
pair 1 up
pair 1 down
1.0
0.8
0.6
0.4
0.2
0.0
Lag between dT, dC (24 Hz scans)
6
4
2
0
−2
1.4
1.6
1.8
2.0
2.2
Day of September 1994
Tow 6, 20−60 db (plus), 60−90 db (square), 90−130 db (tri)