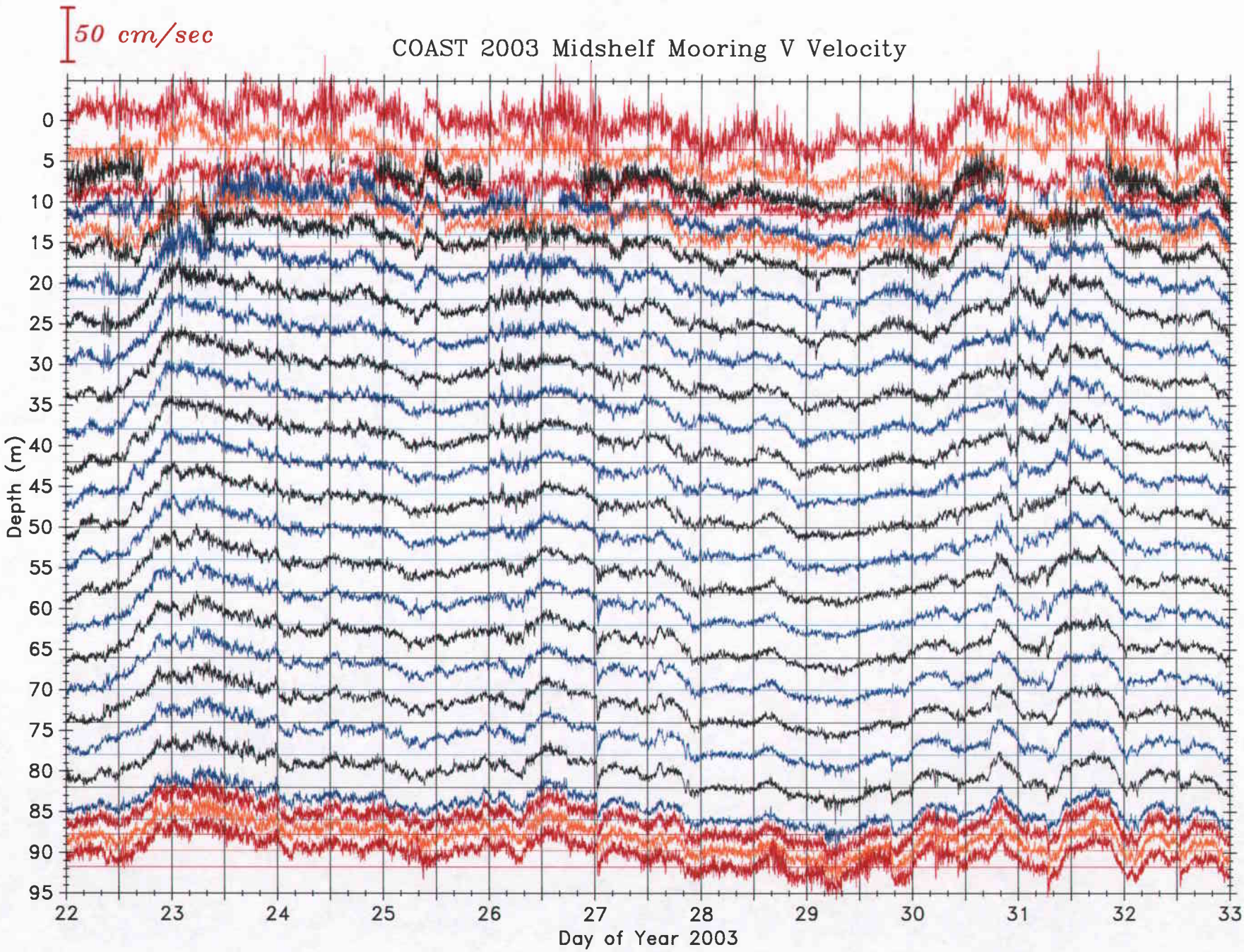
50 cm/sec
COAST 2003 Midshelf Mooring V Velocity
Depth (m)
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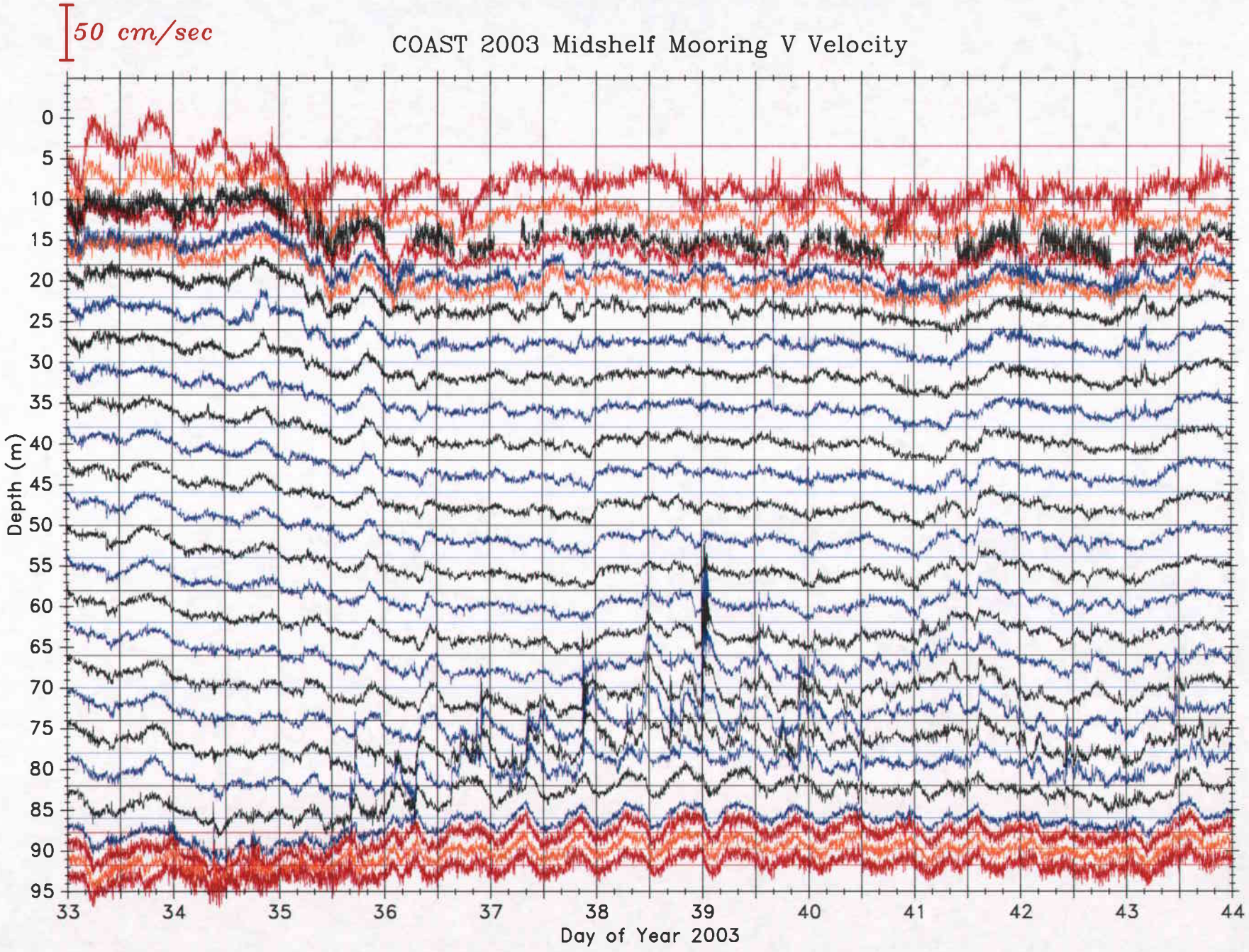
Day of Year 2003


50 cm/sec
COAST 2003 Midshelf Mooring V Velocity
Depth (m)
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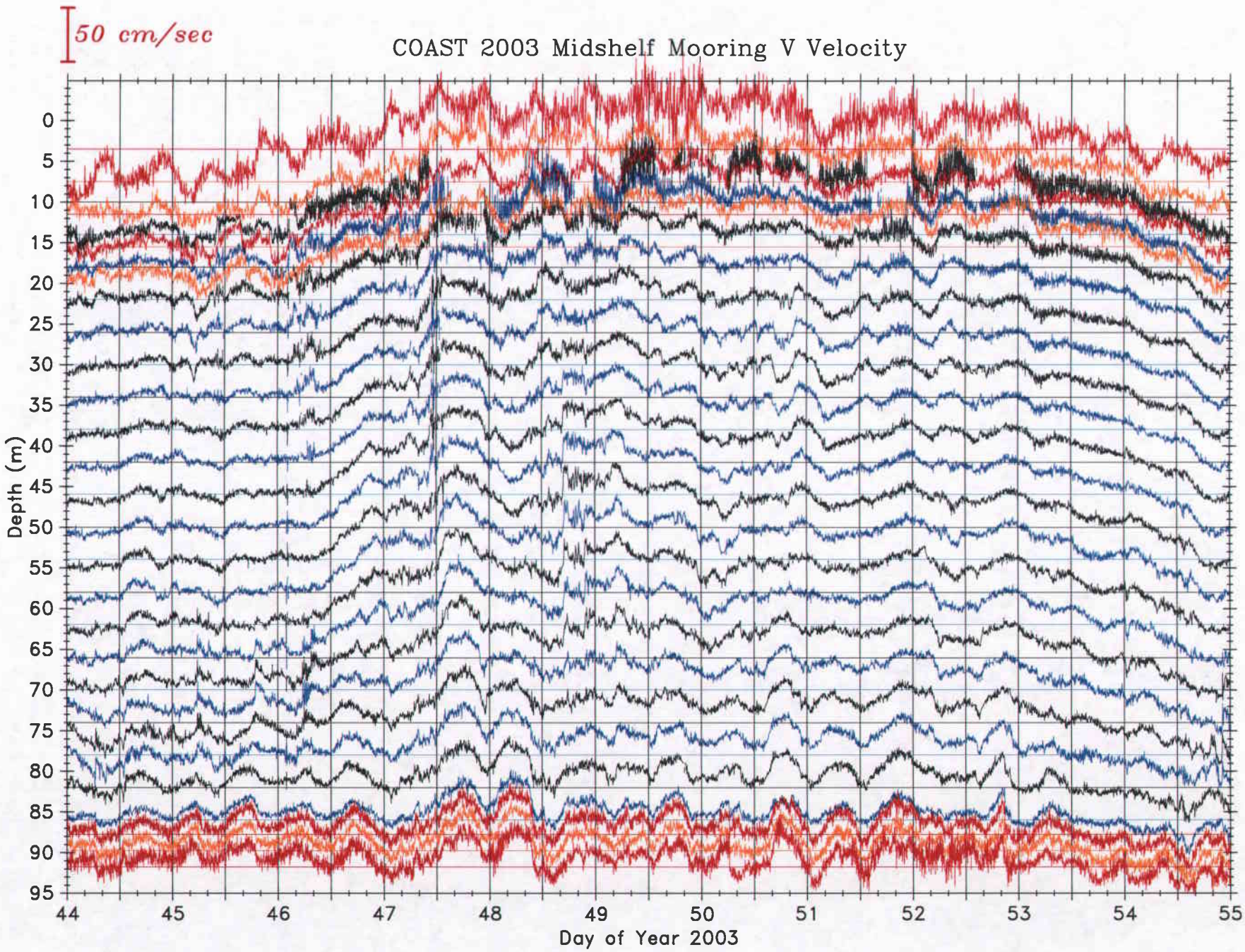
Day of Year 2003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COAST 2003 Midshelf Mooring V Velocity
Depth (m)
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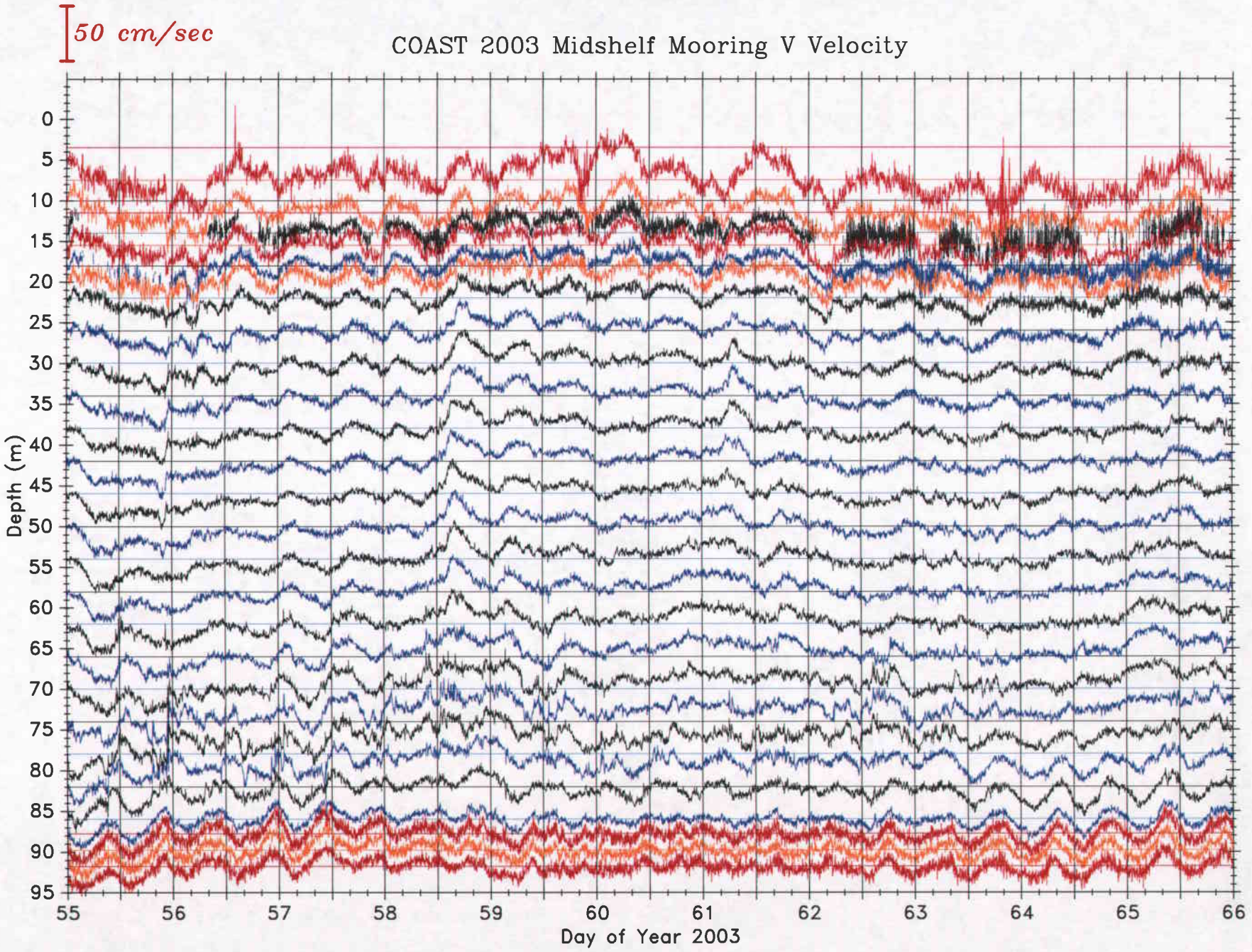
Day of Year 2003


50 cm/sec
COAST 2003 Midshelf Mooring V Velocity
Depth (m)
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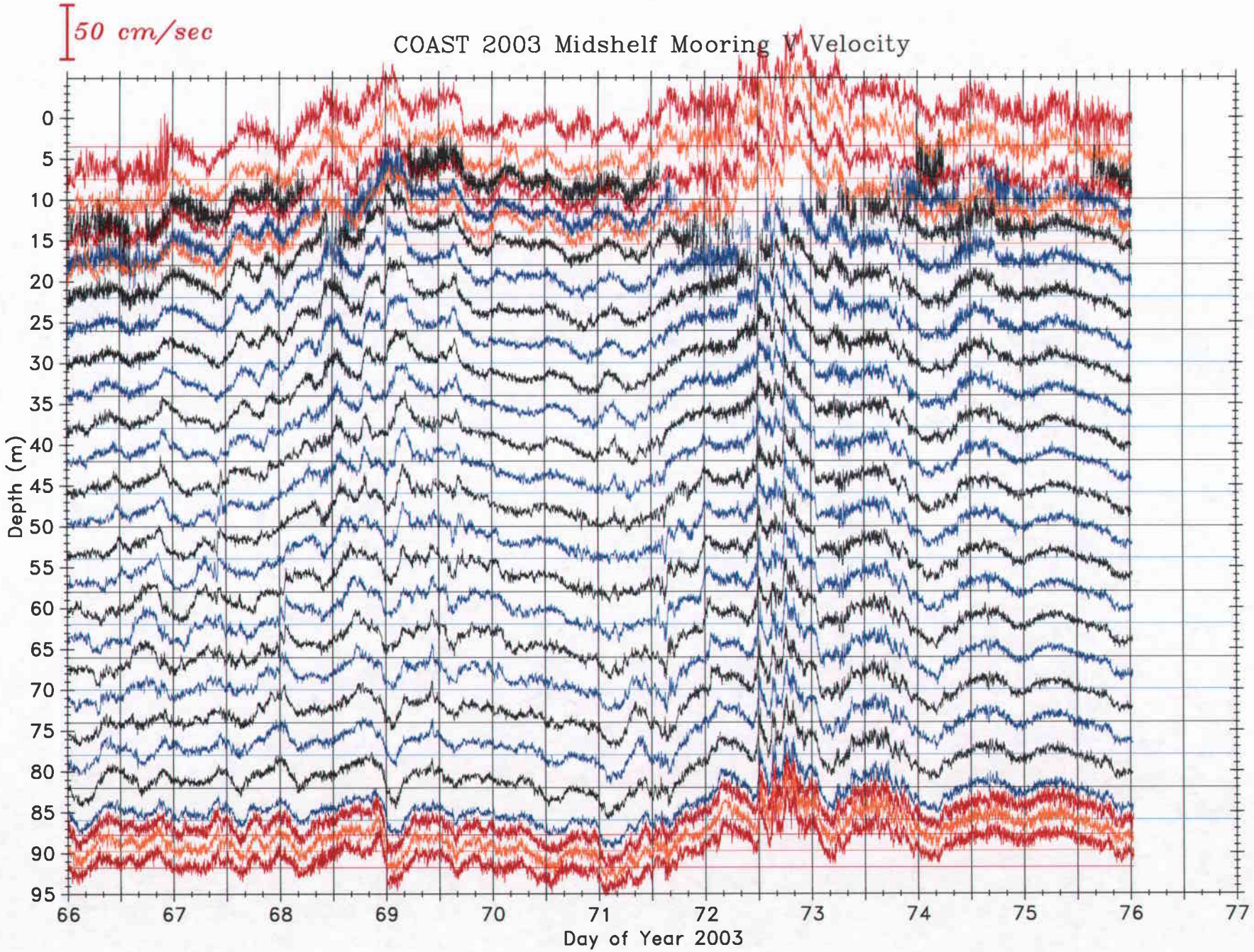
Day of Year 2003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COAST 2003 Midshelf Mooring V Velocity
Depth (m)
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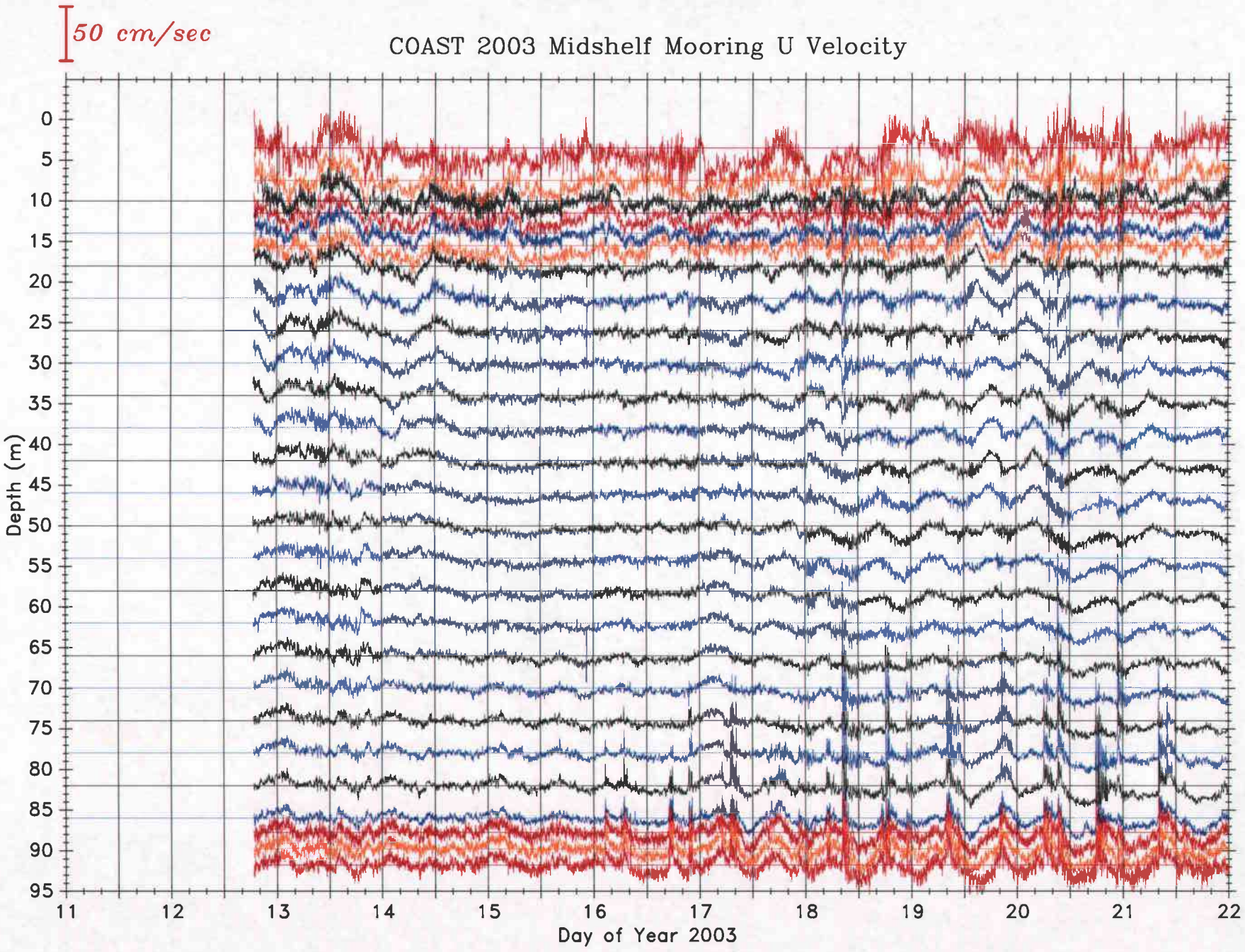
Day of Year 2003


50 cm/sec
COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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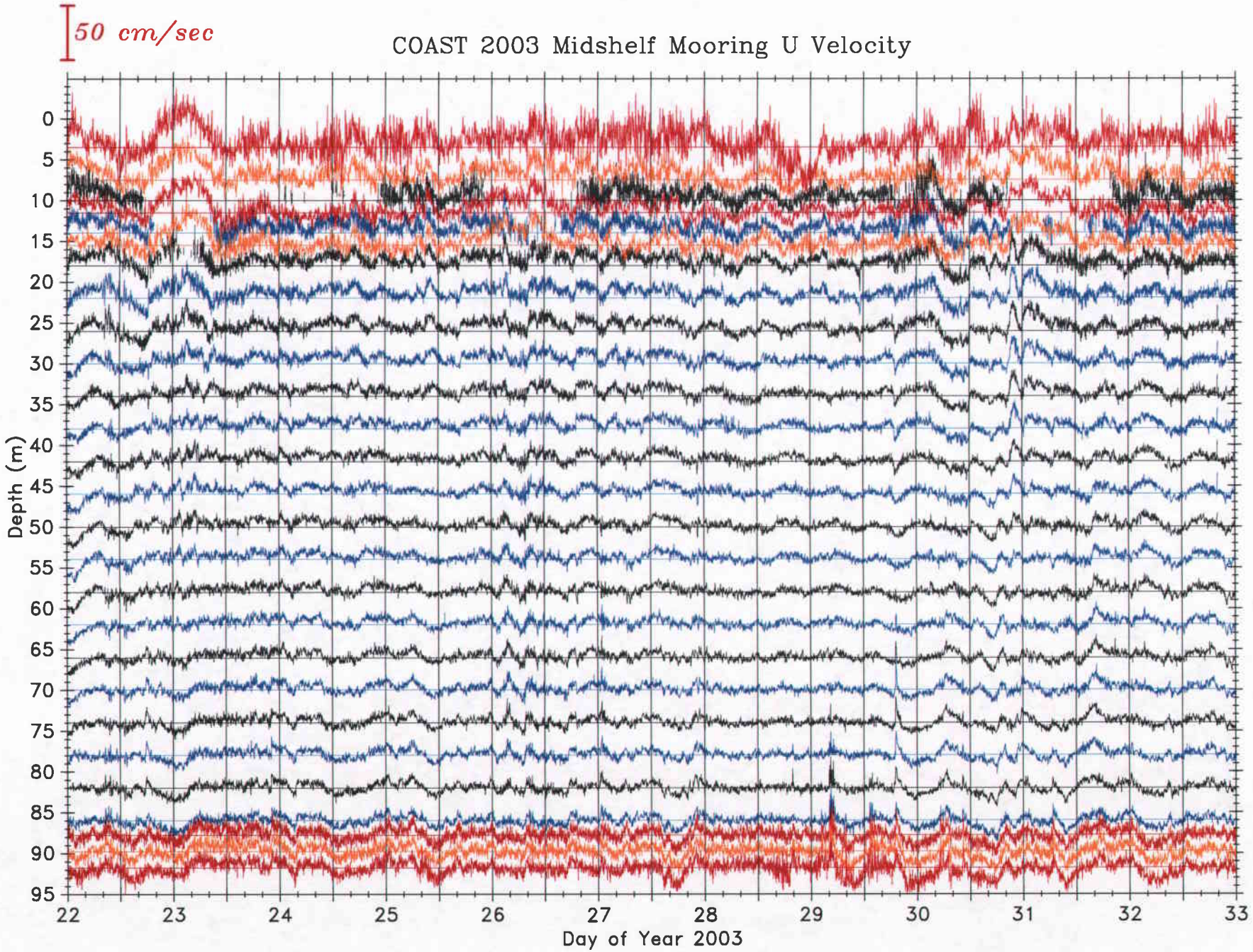
Day of Year 2003


50 cm/sec
COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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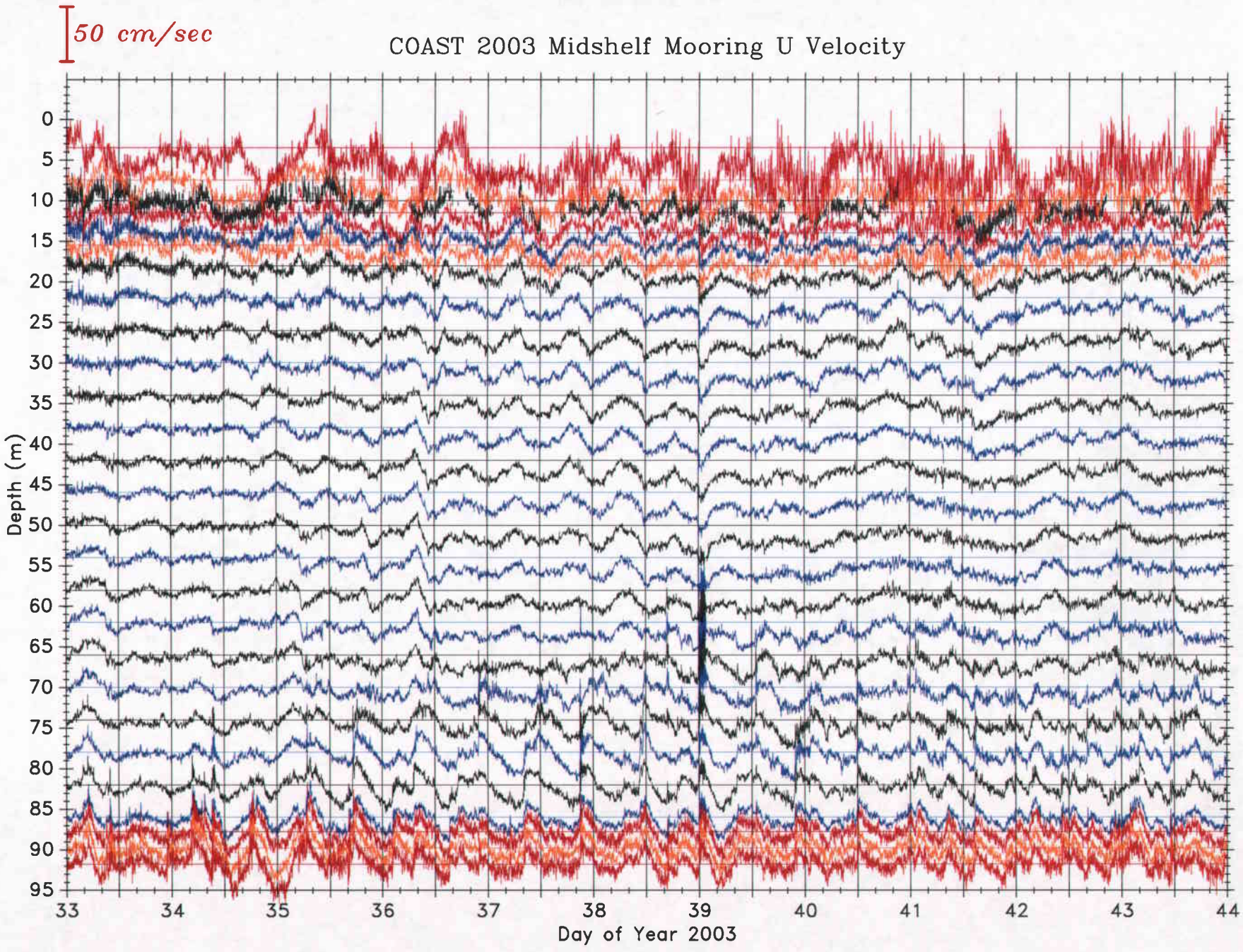
Day of Year 2003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COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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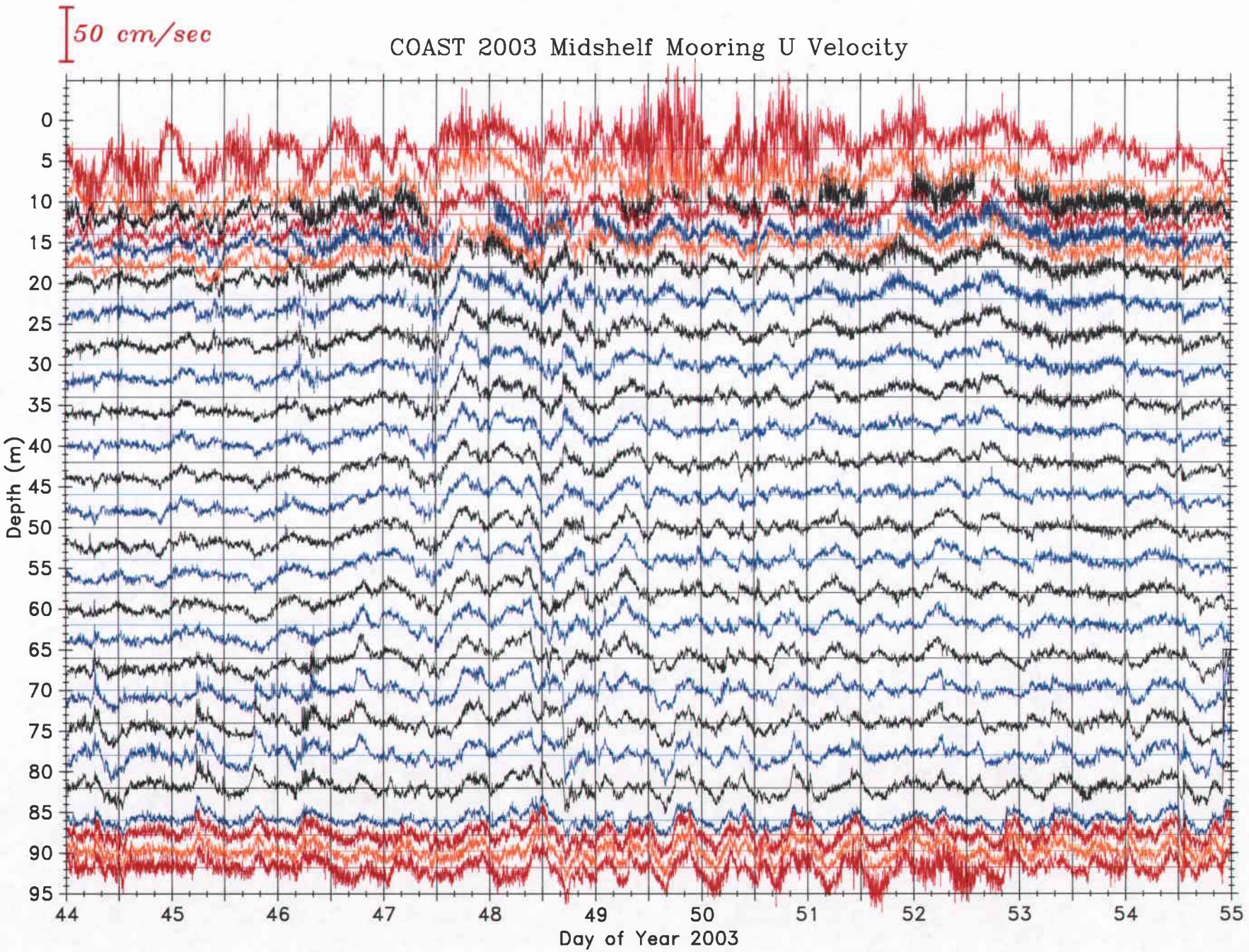
Day of Year 2003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COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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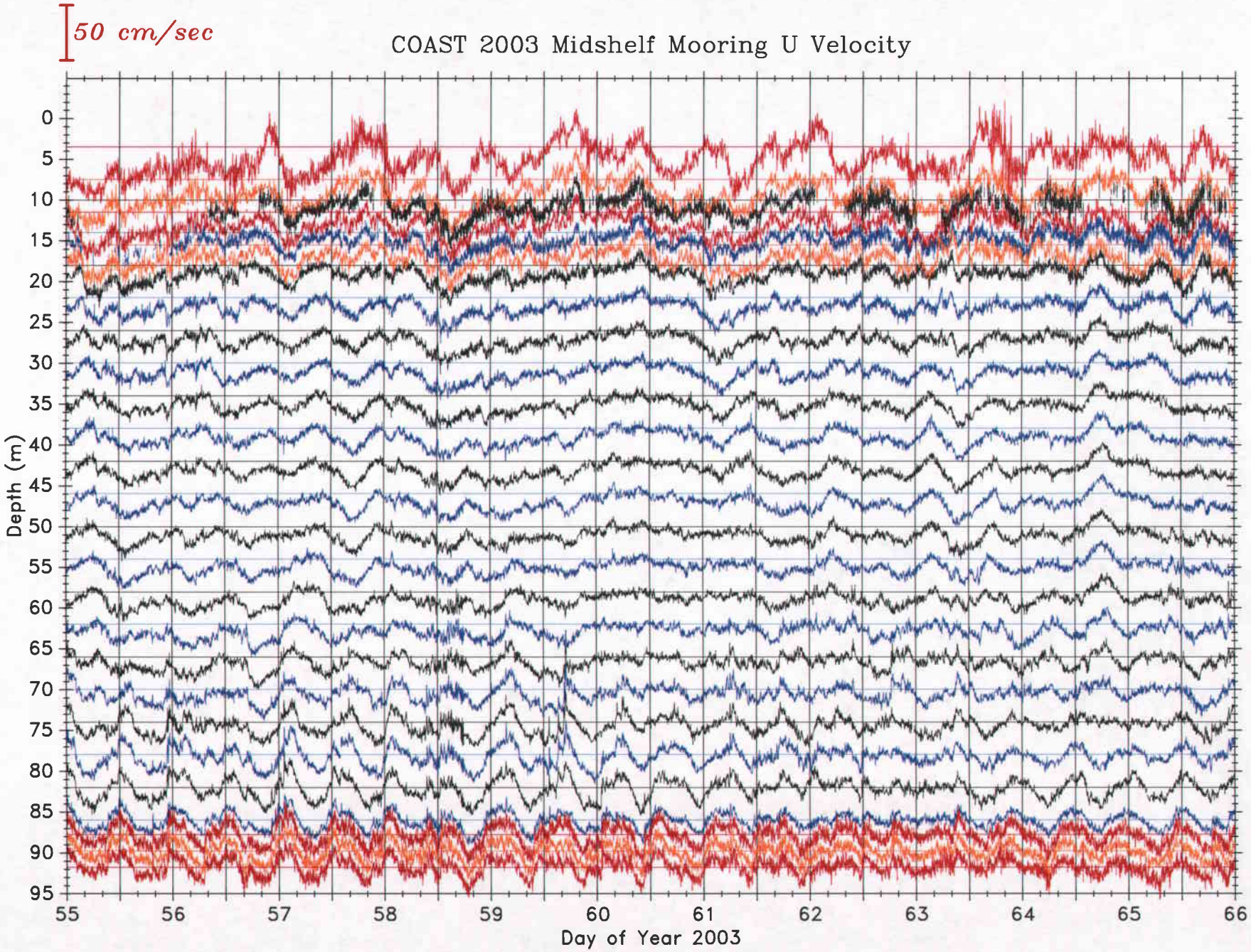
Day of Year 2003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COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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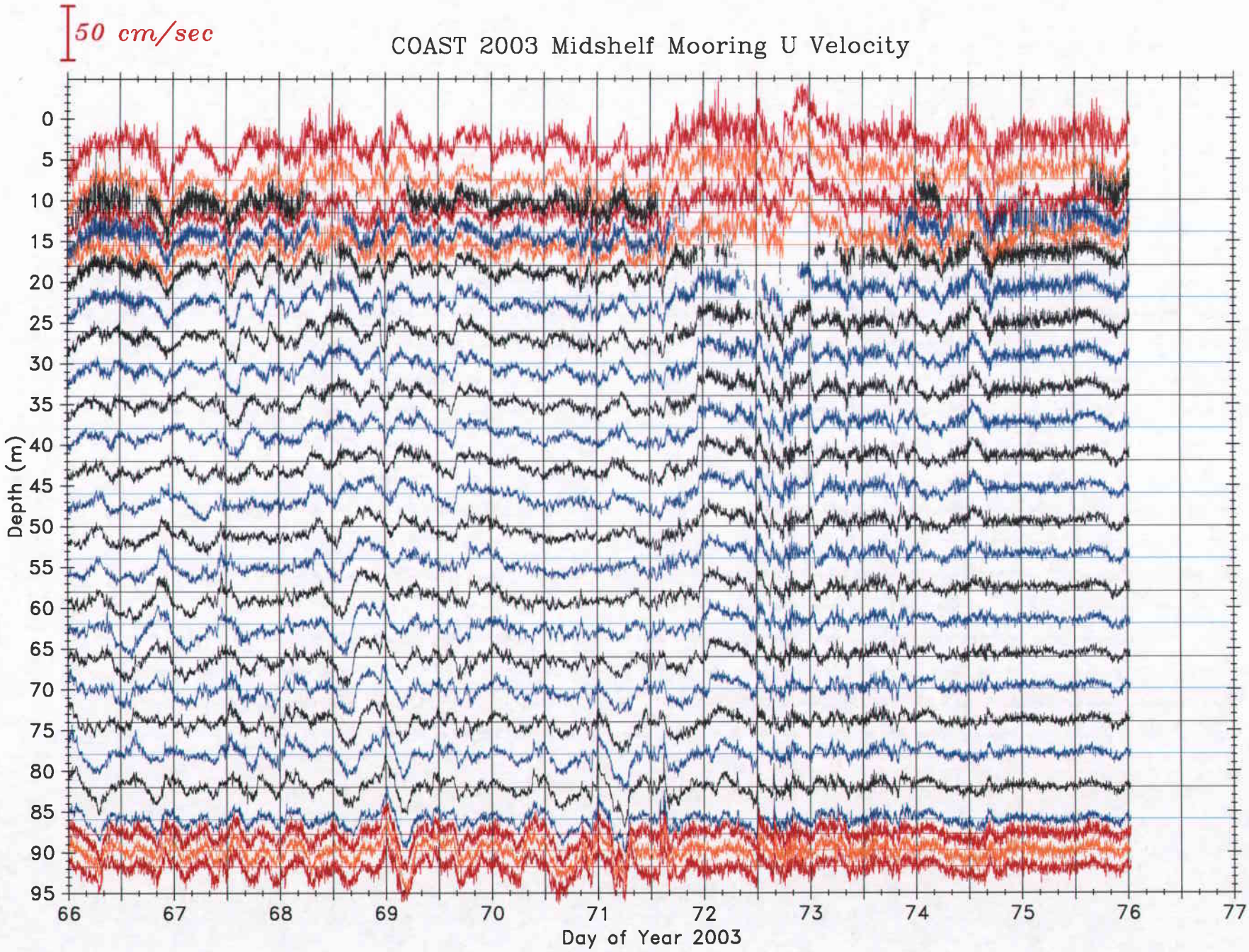
Day of Year 2003


50 cm/sec
COAST 2003 Midshelf Mooring U Velocity
Depth (m)
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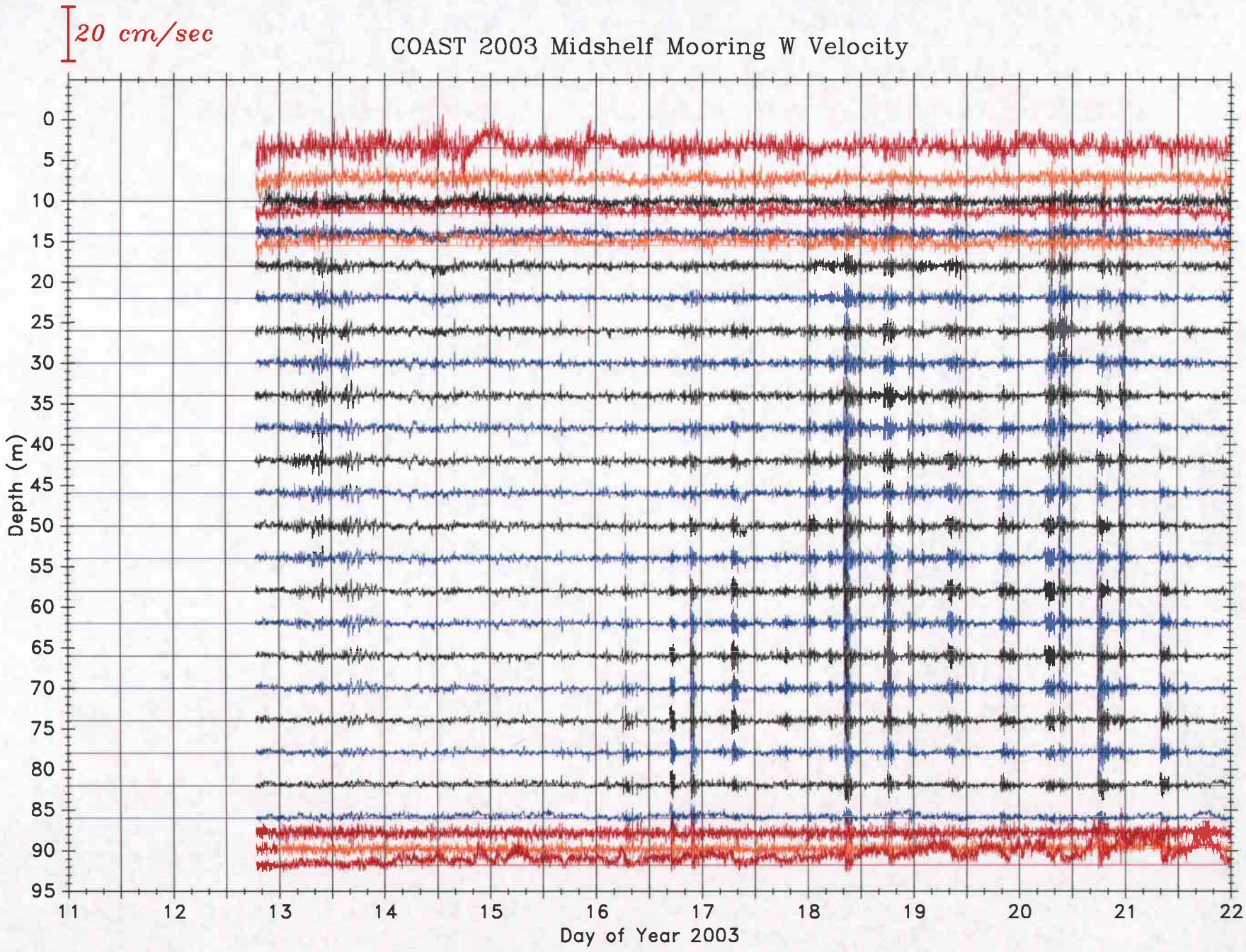
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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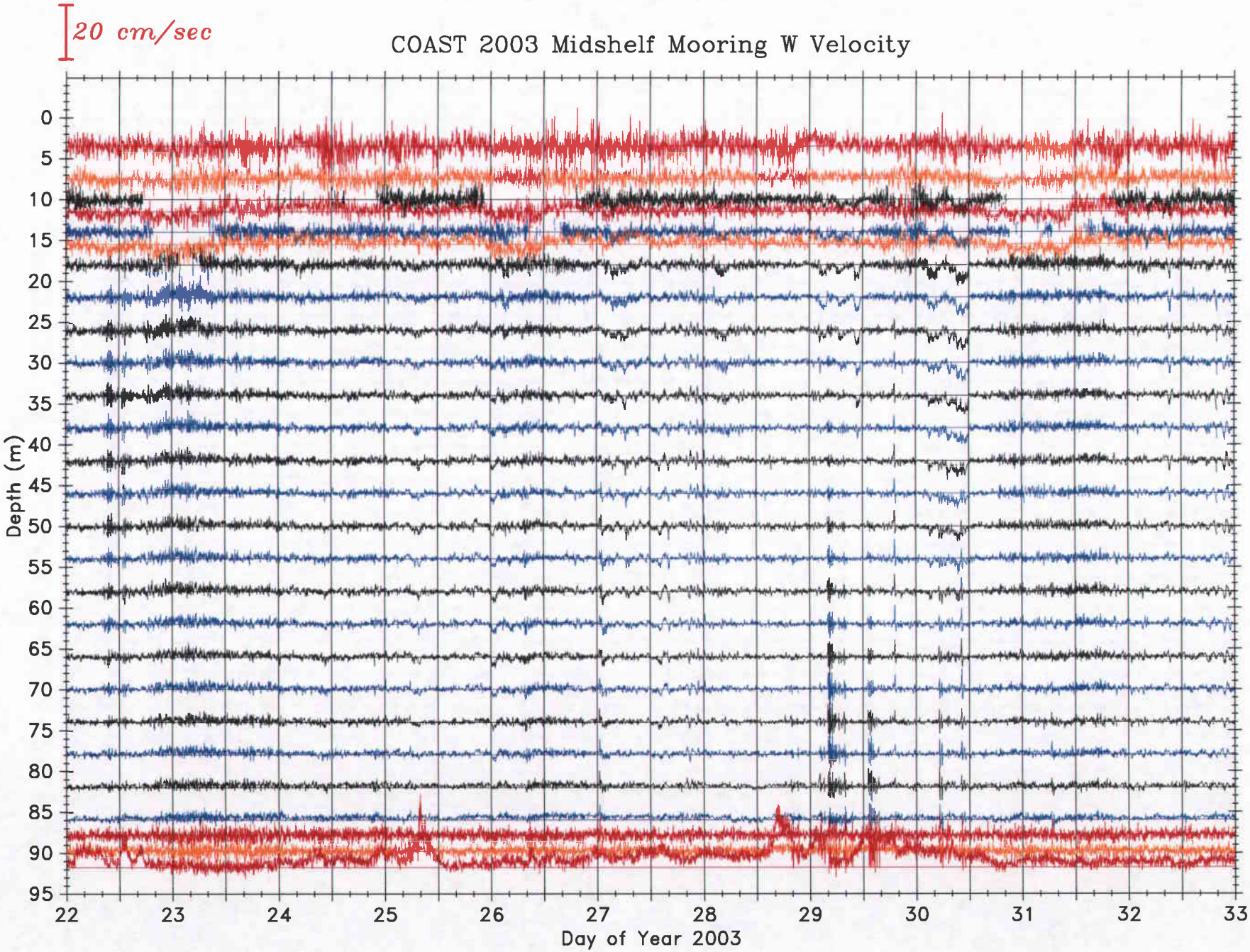
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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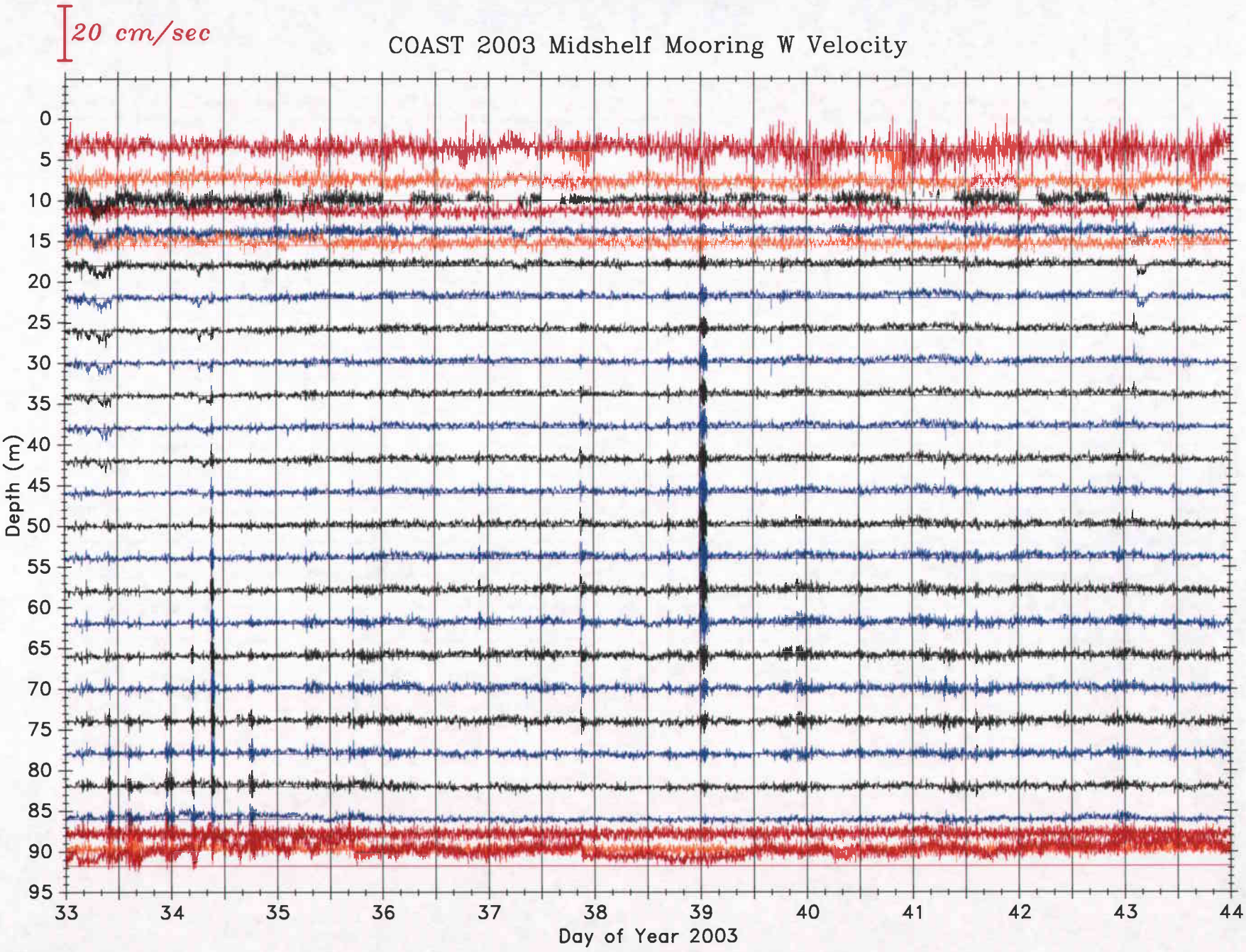
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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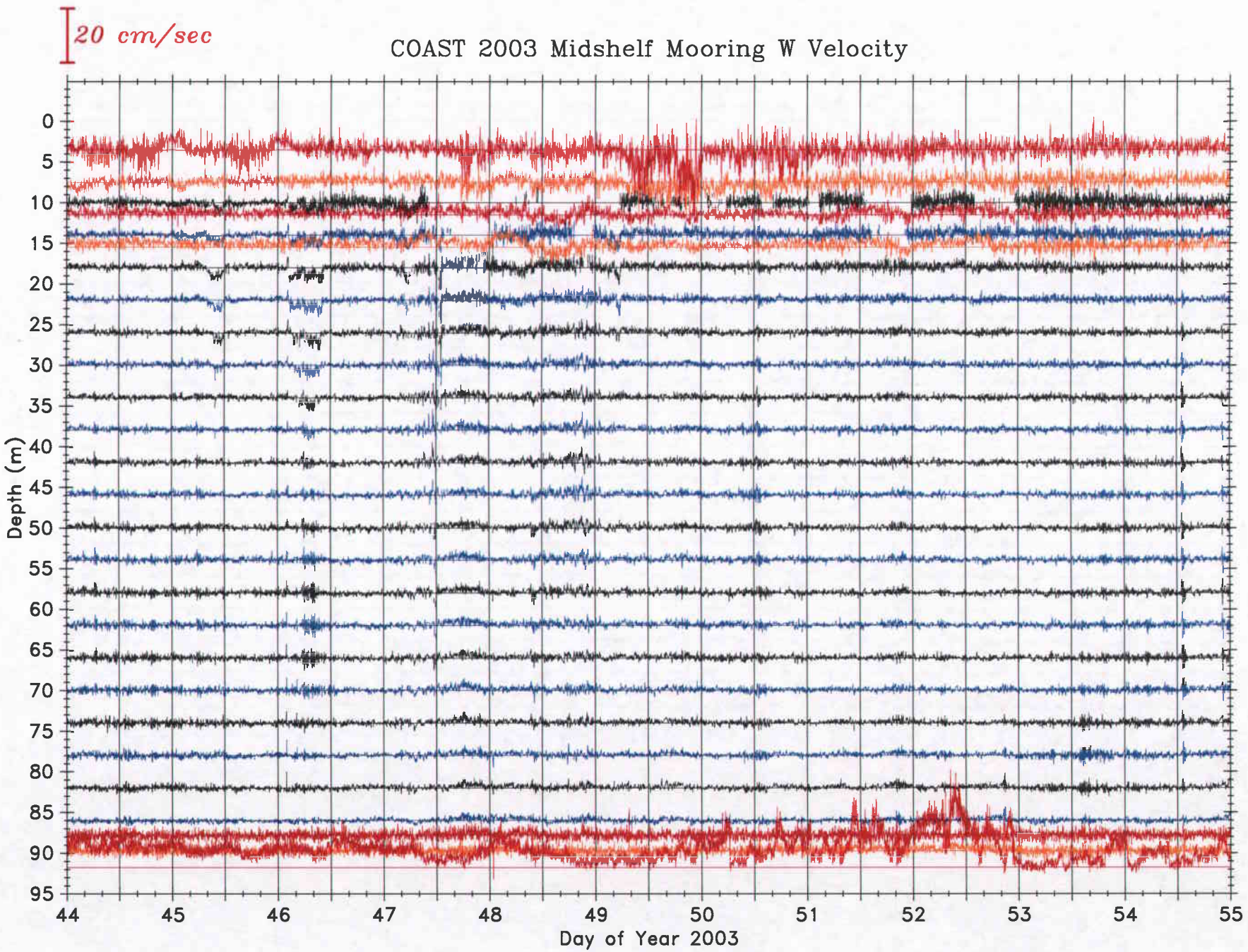
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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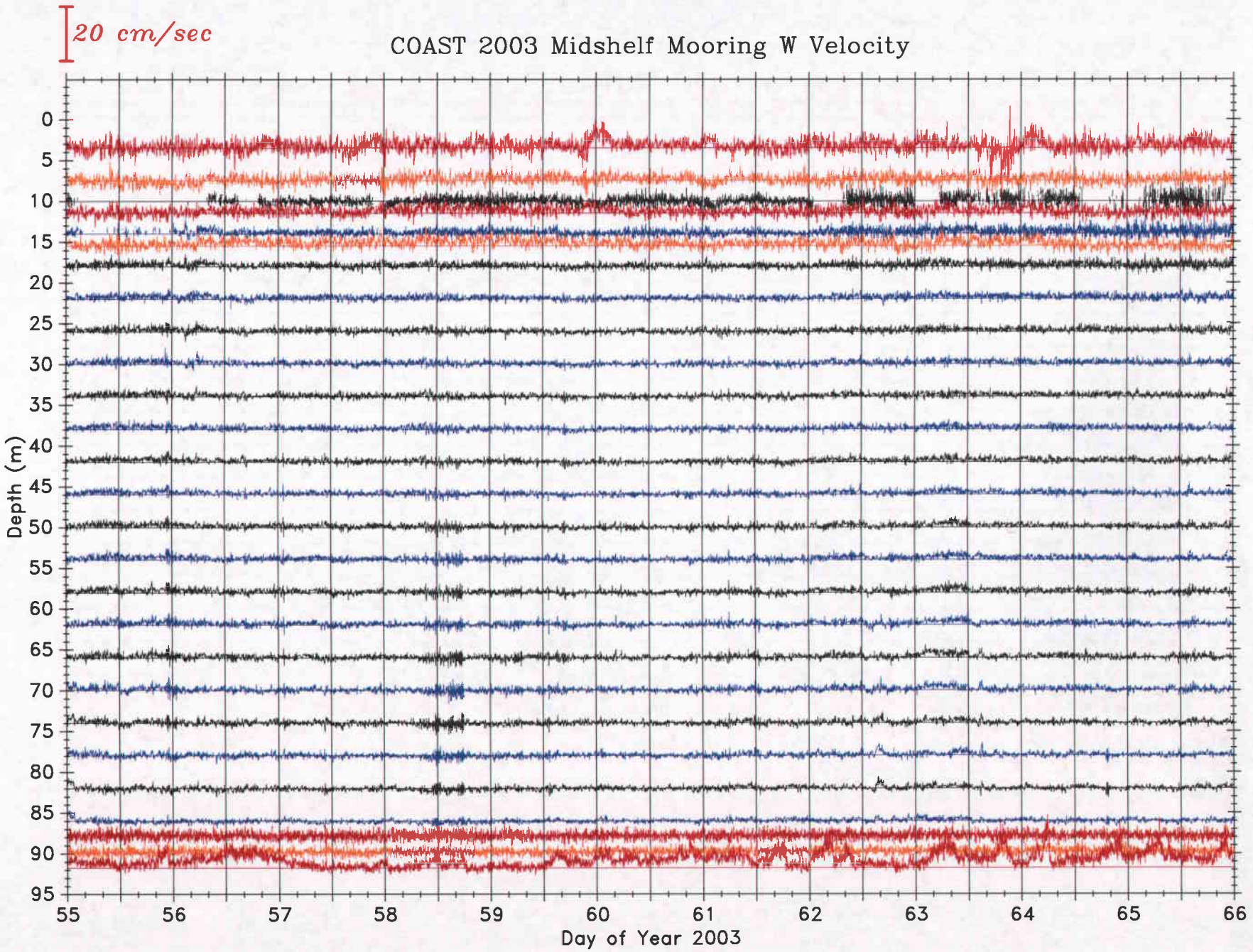
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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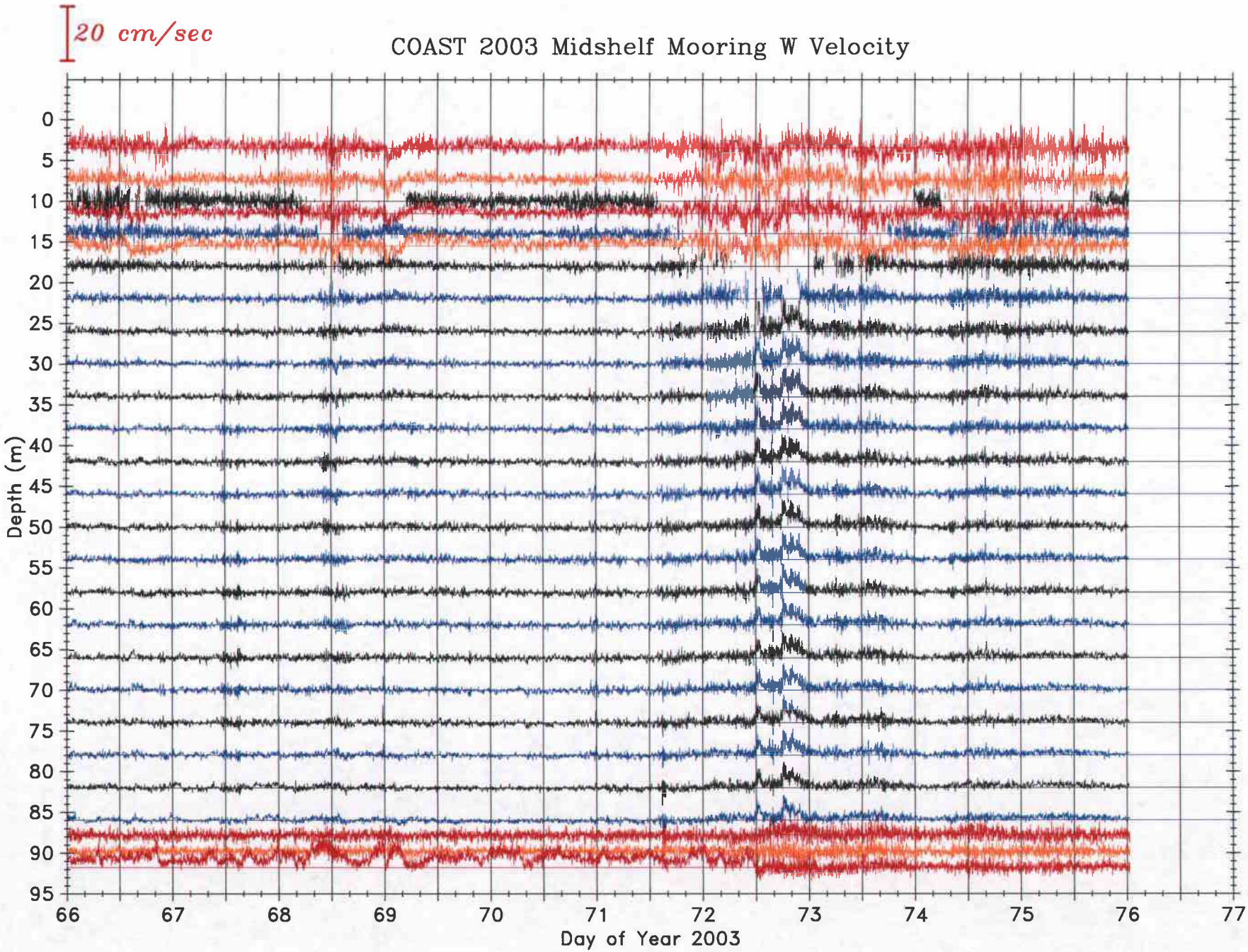
Day of Year 2003


20 cm/sec
COAST 2003 Midshelf Mooring W Velocity
Depth (m)
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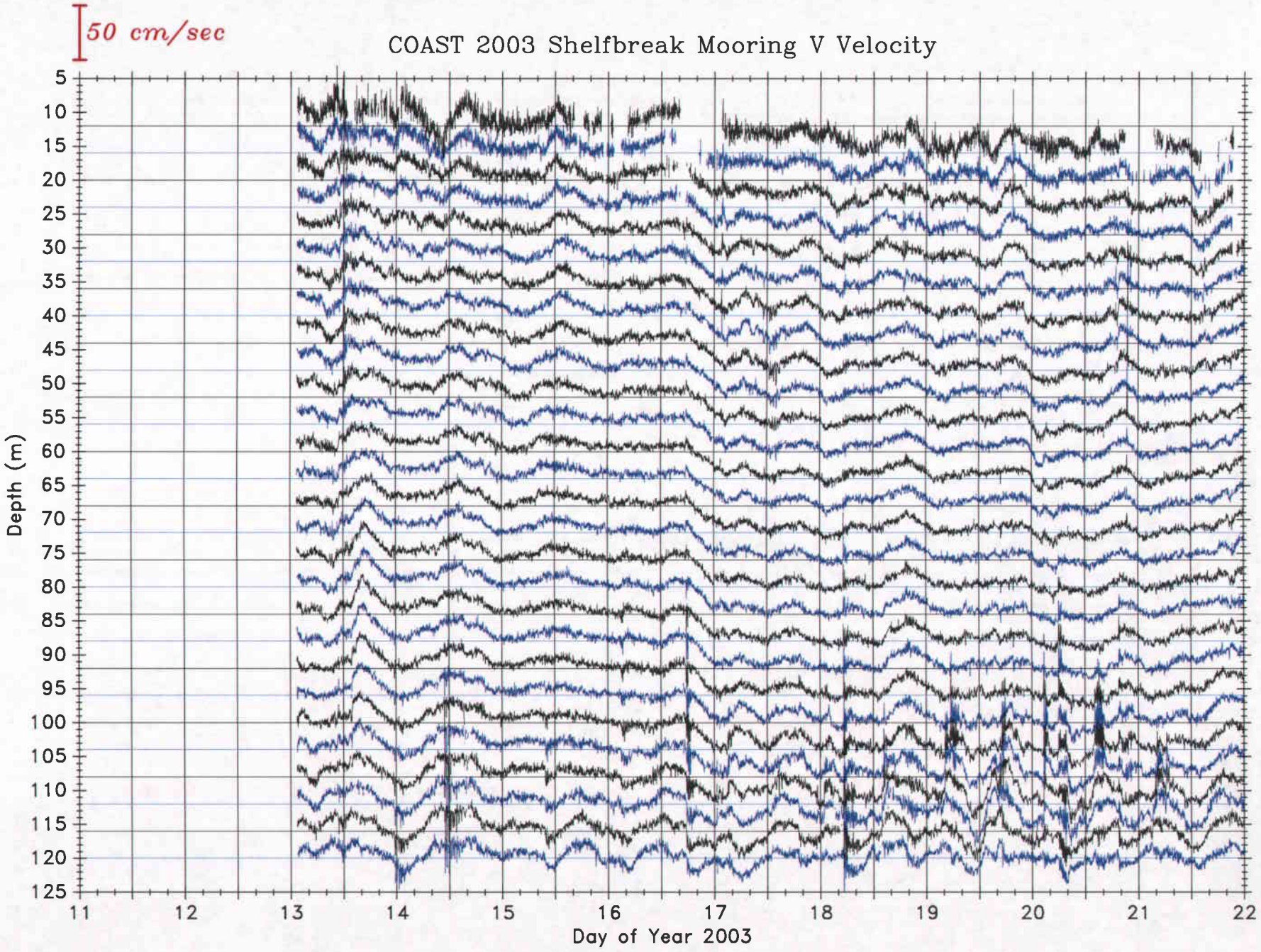
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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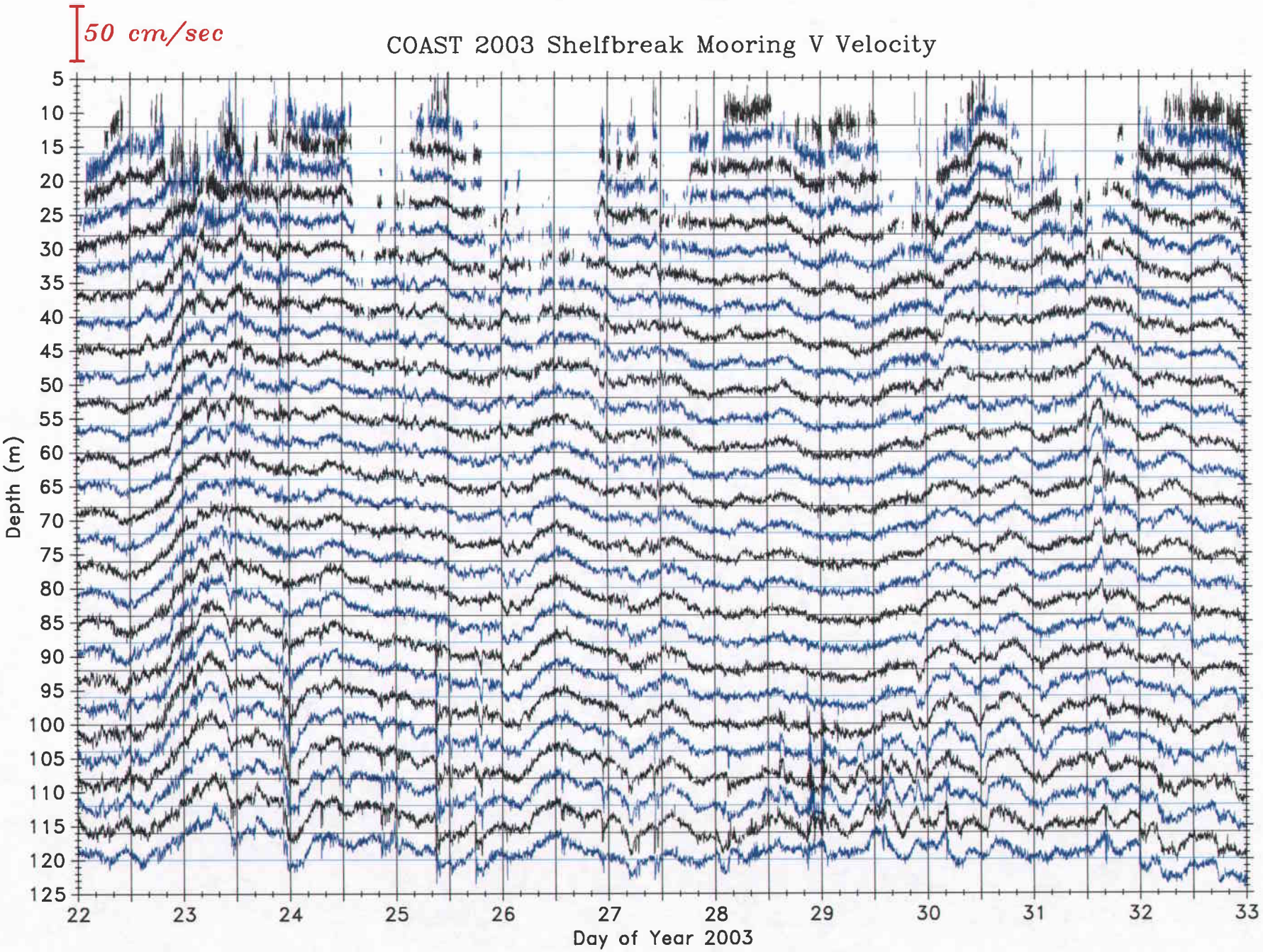
Day of Year 2003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COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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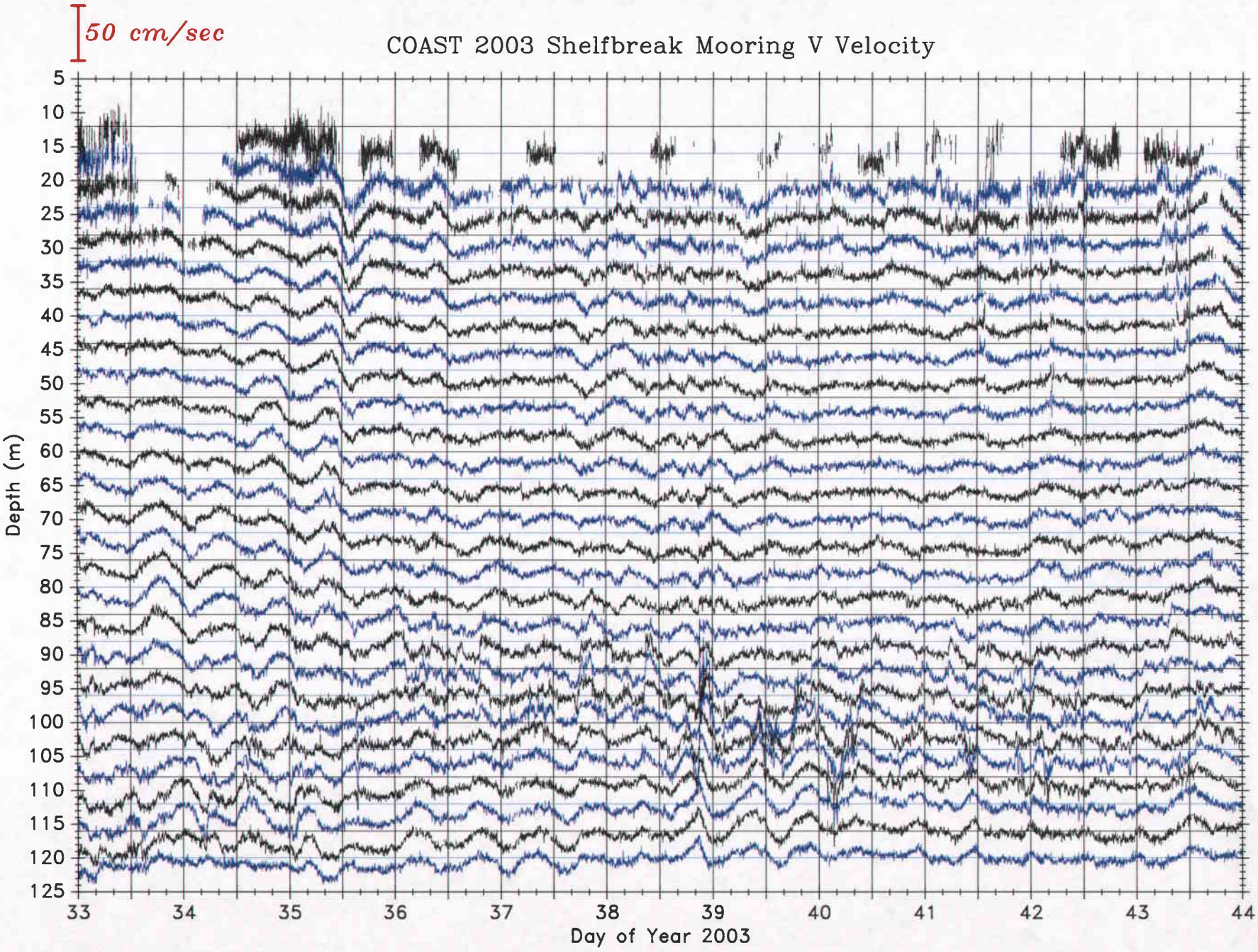
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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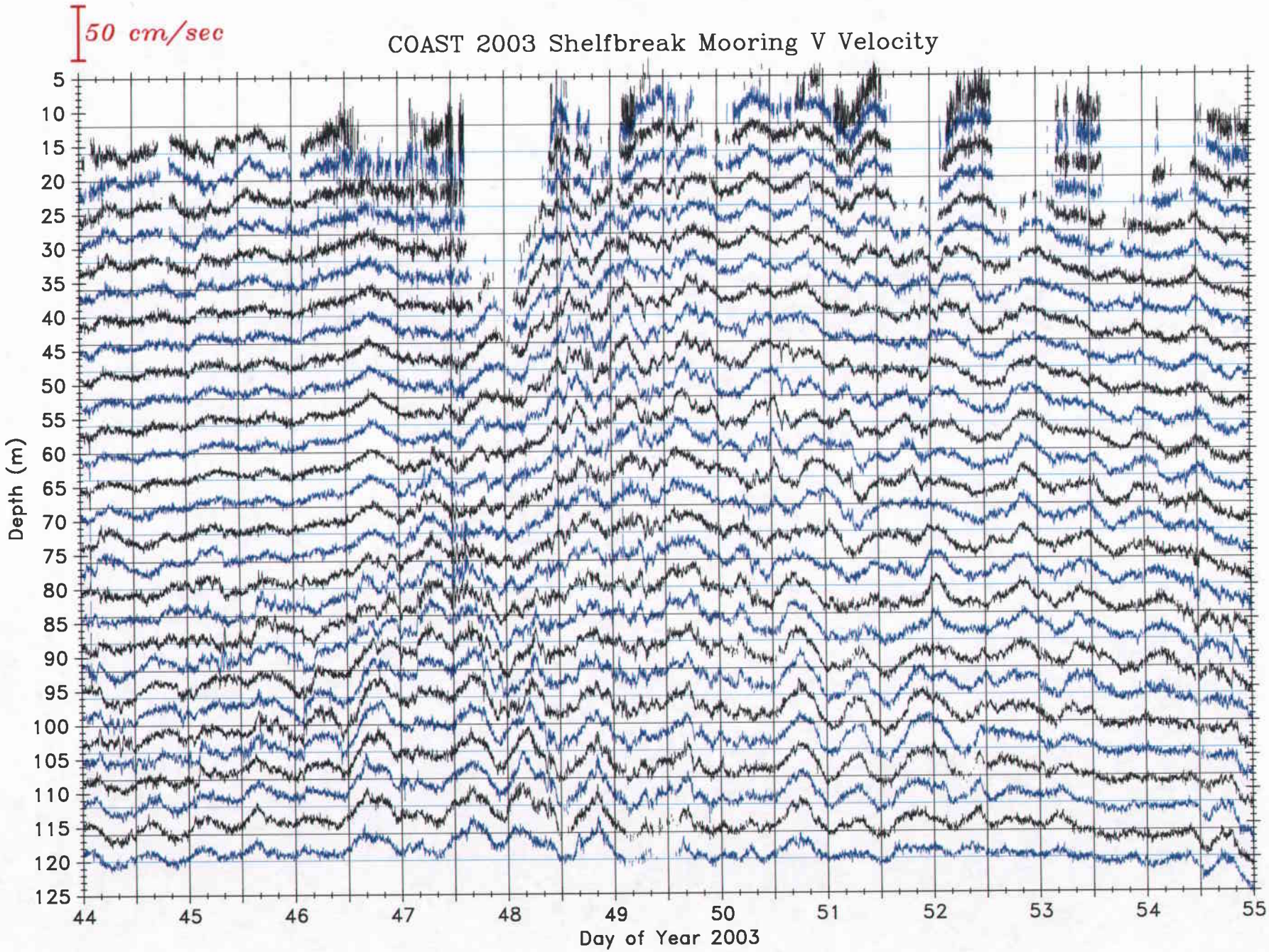
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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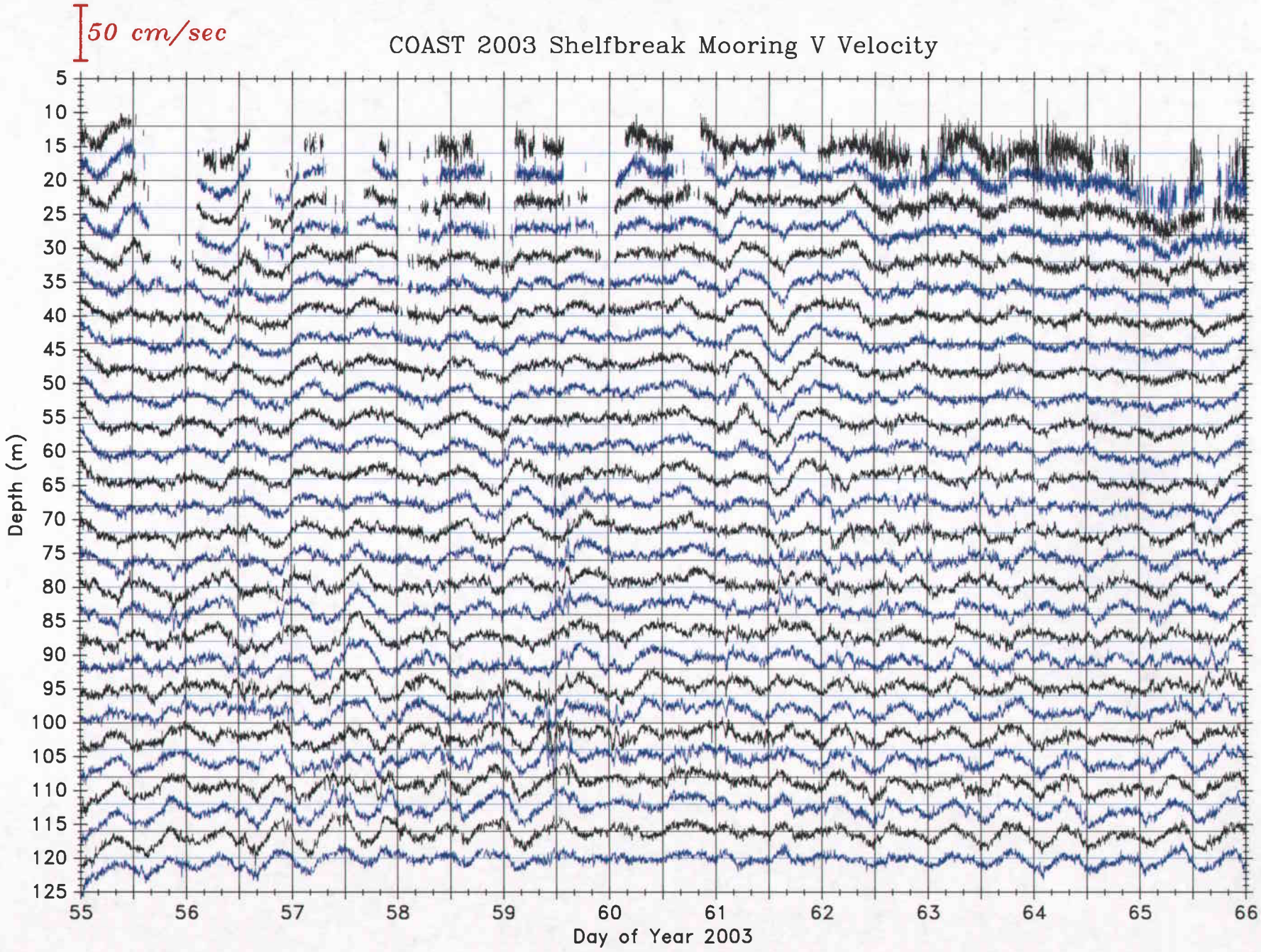
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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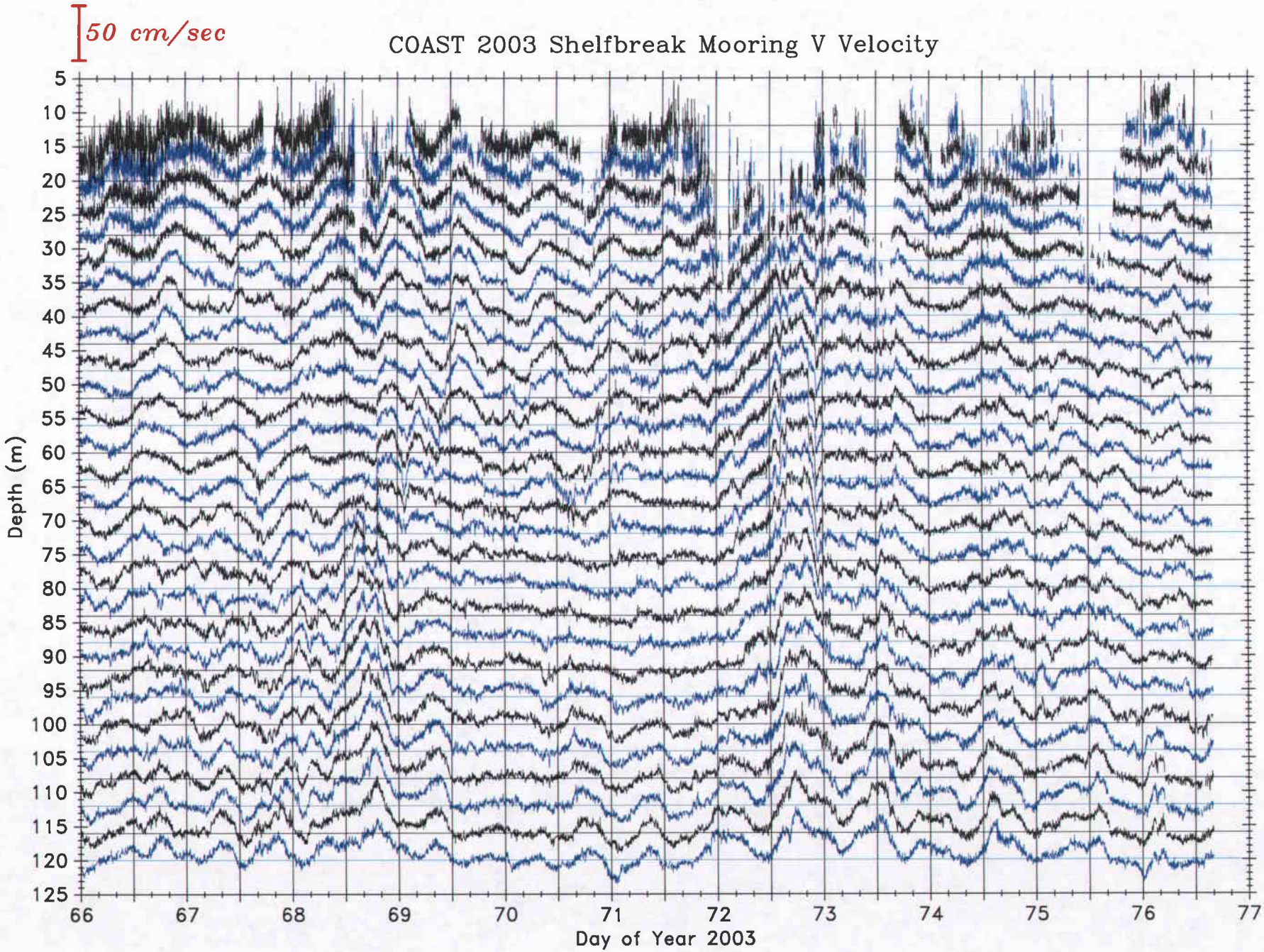
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring V Velocity
Depth (m)
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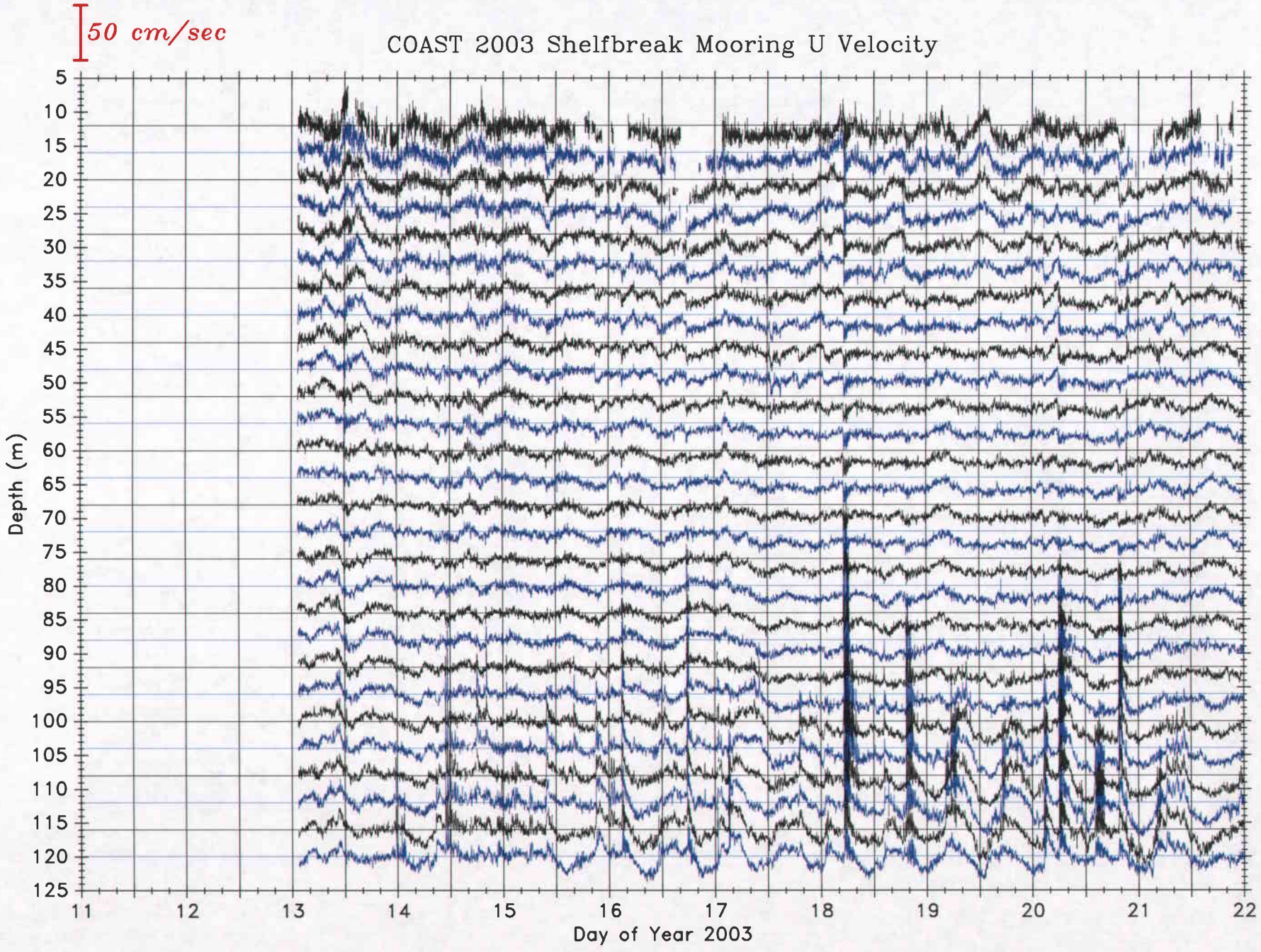
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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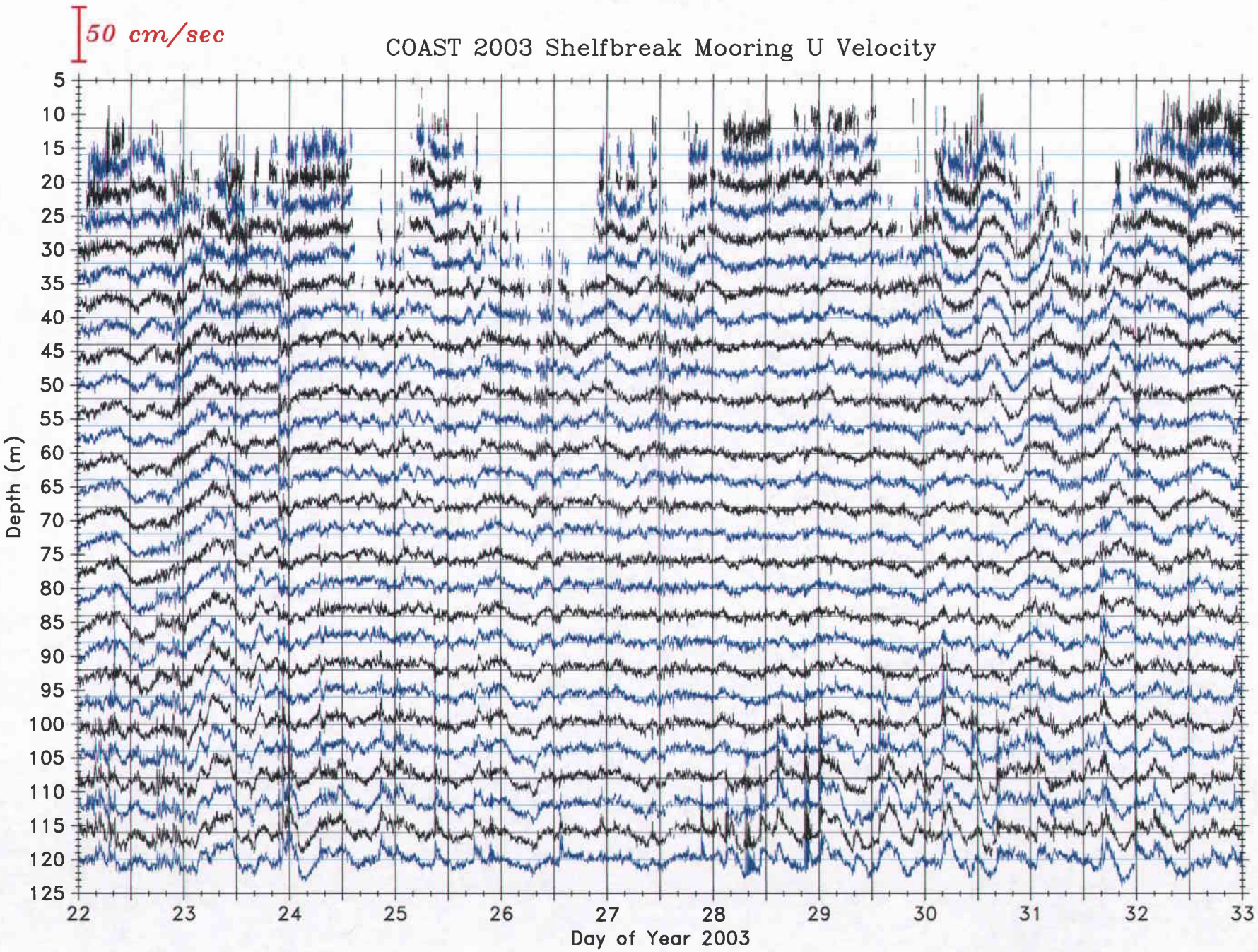
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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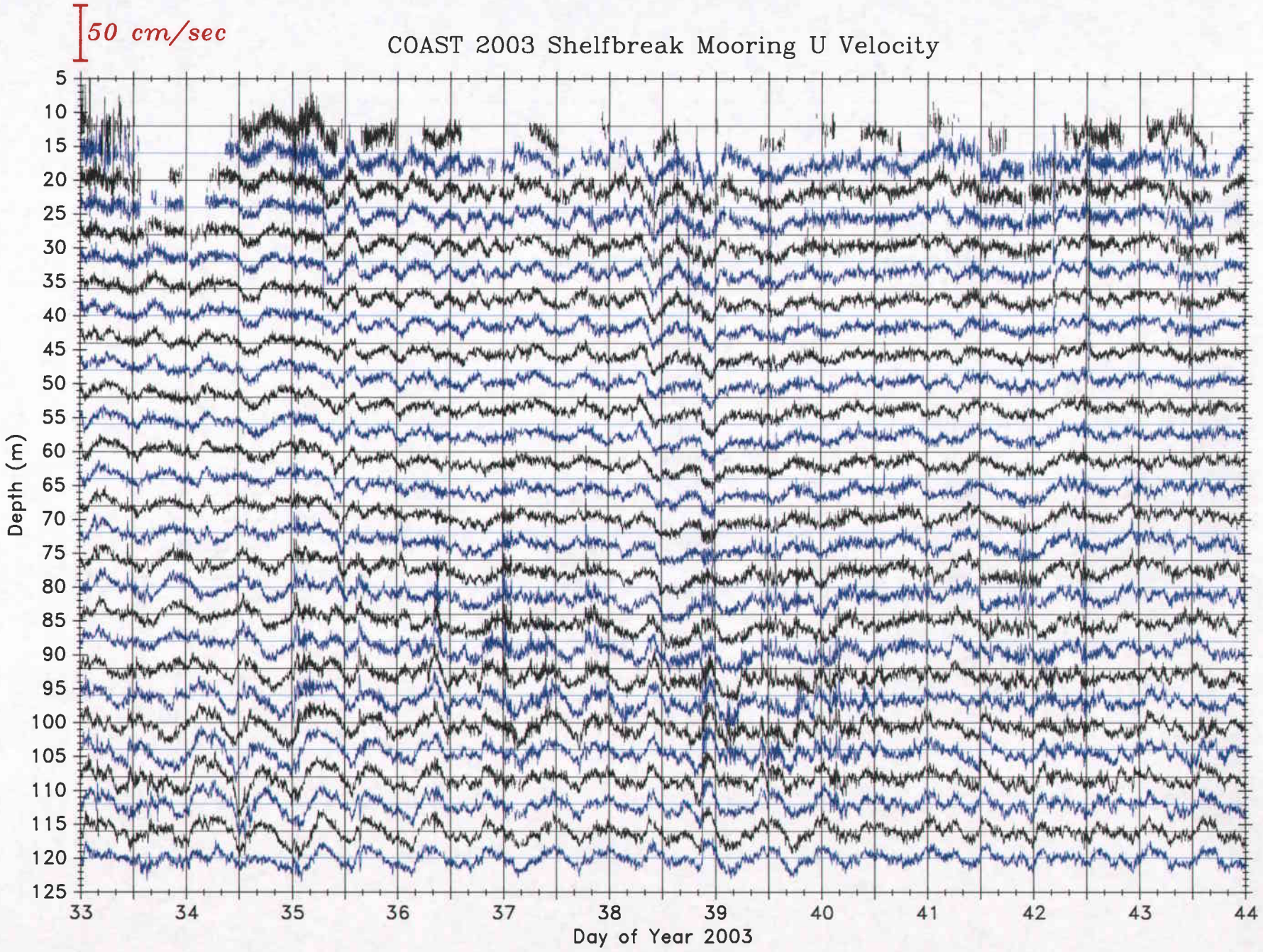
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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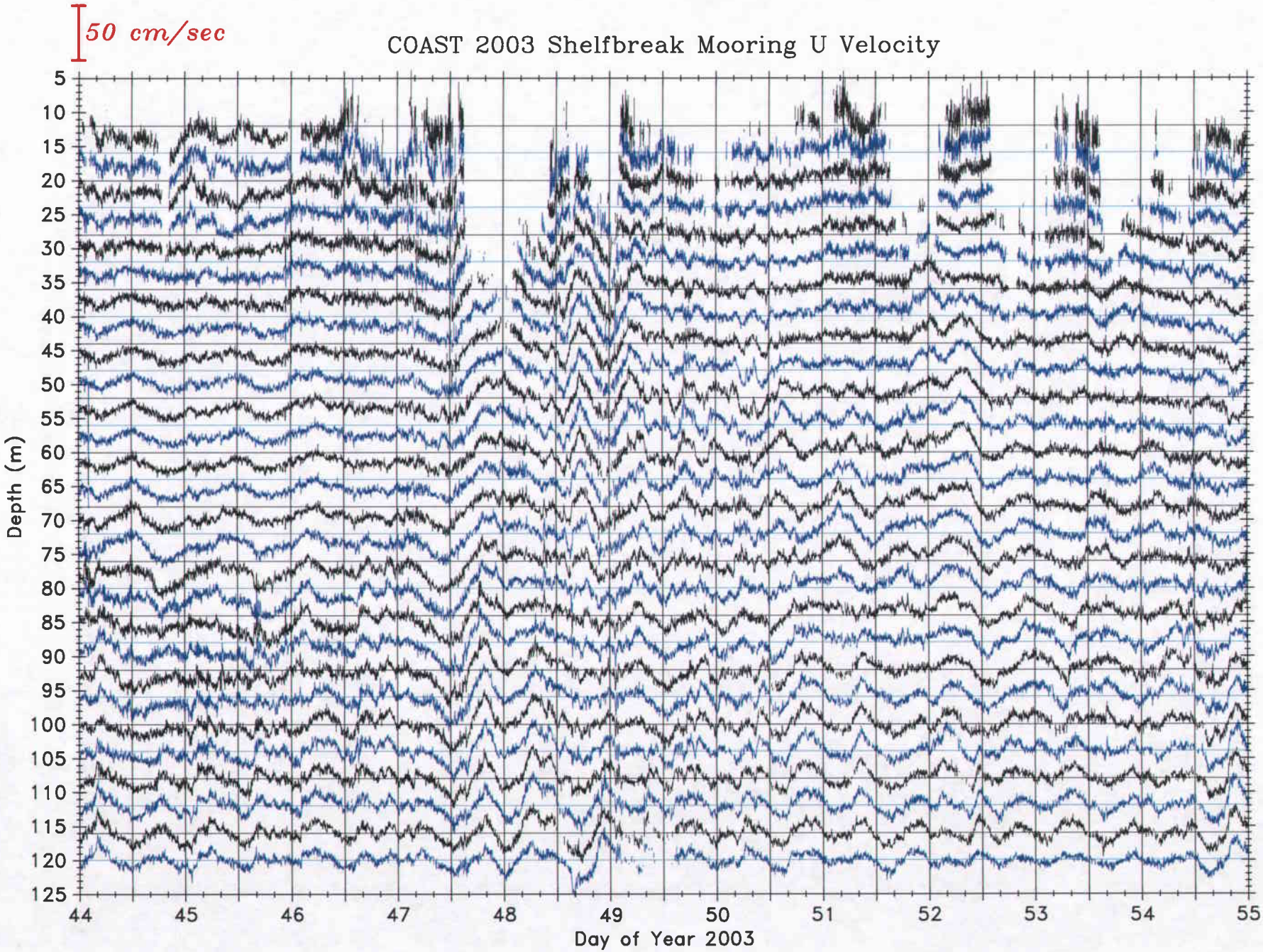
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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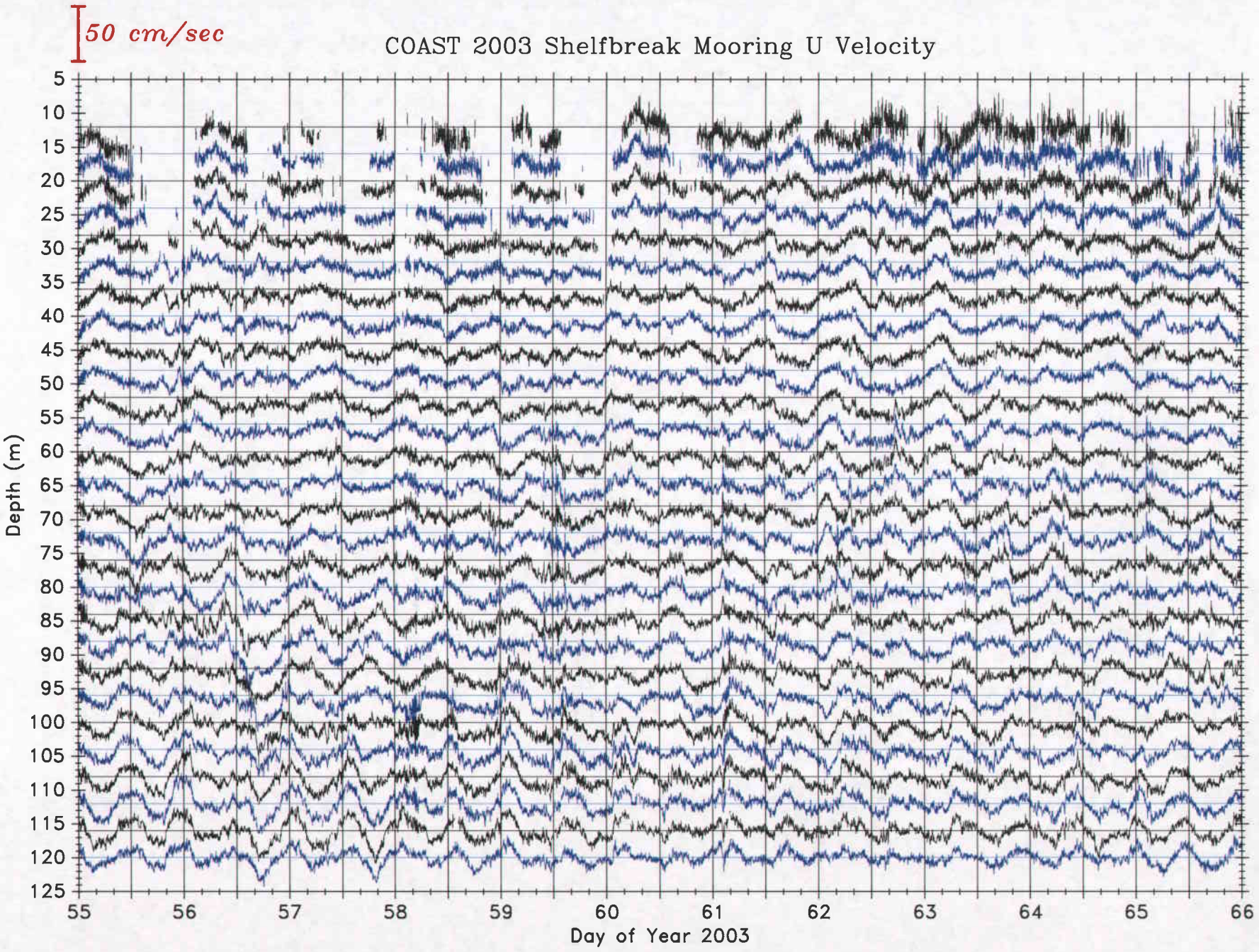
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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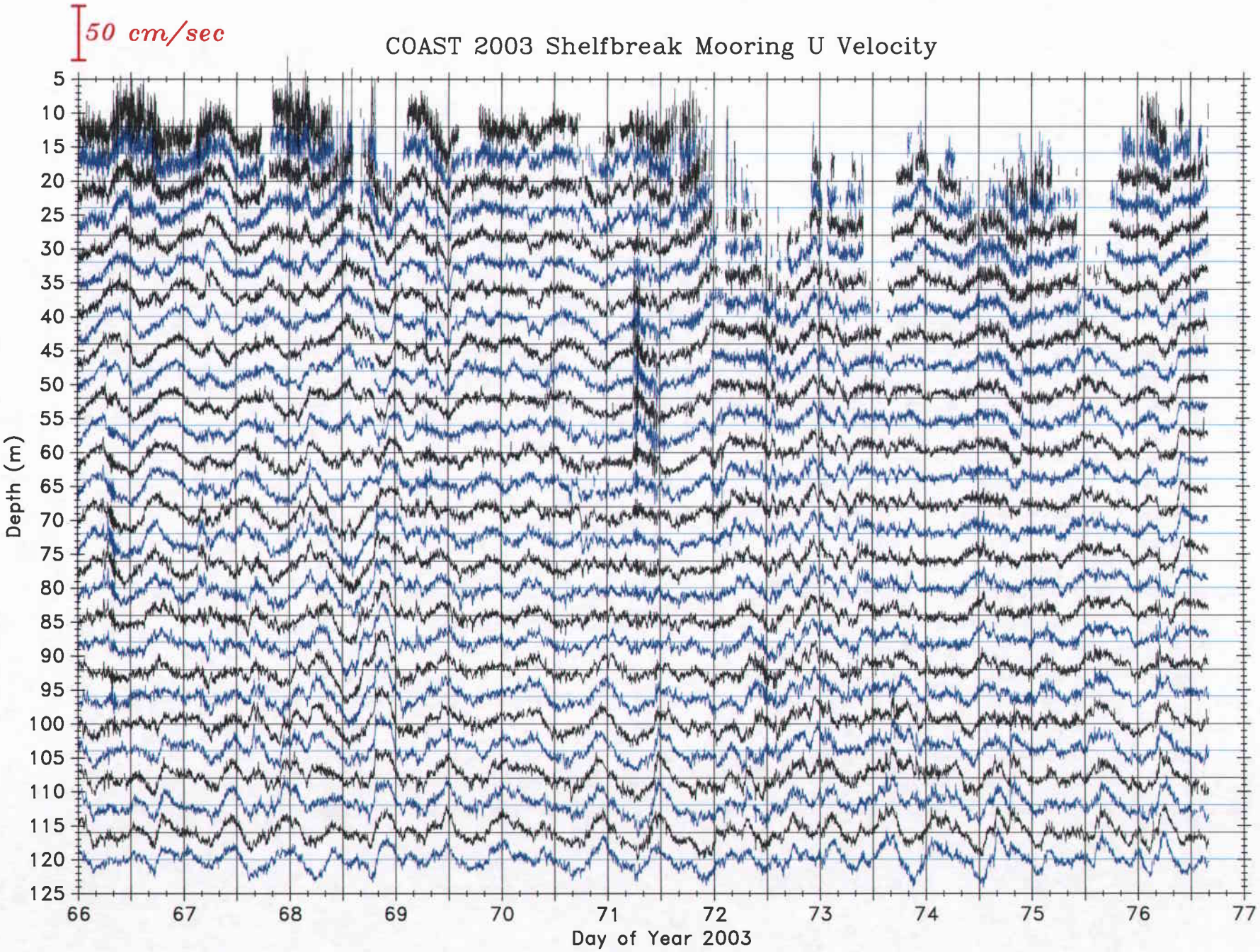
Day of Year 2003


50 cm/sec
COAST 2003 Shelfbreak Mooring U Velocity
Depth (m)
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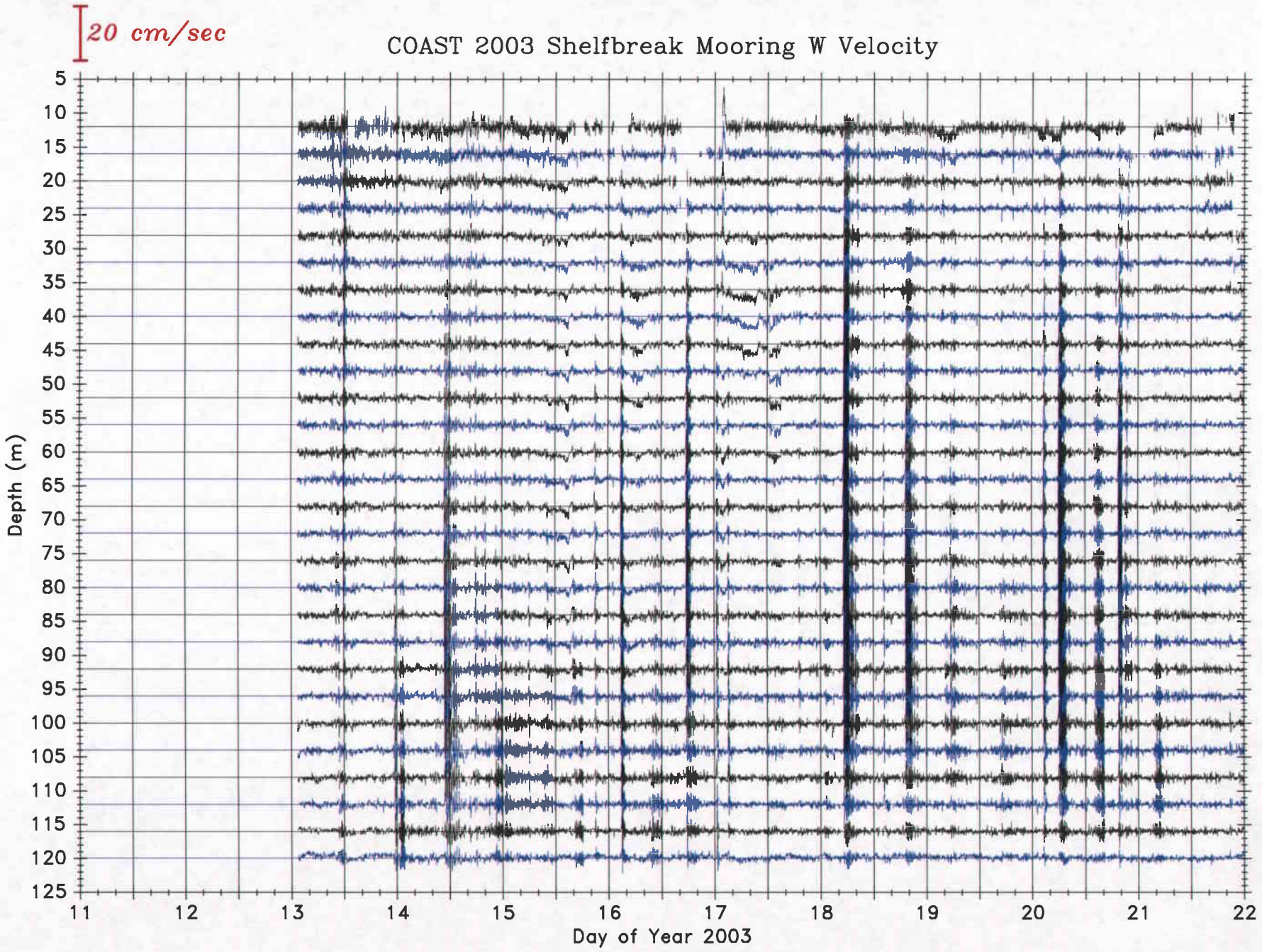
Day of Year 2003


20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
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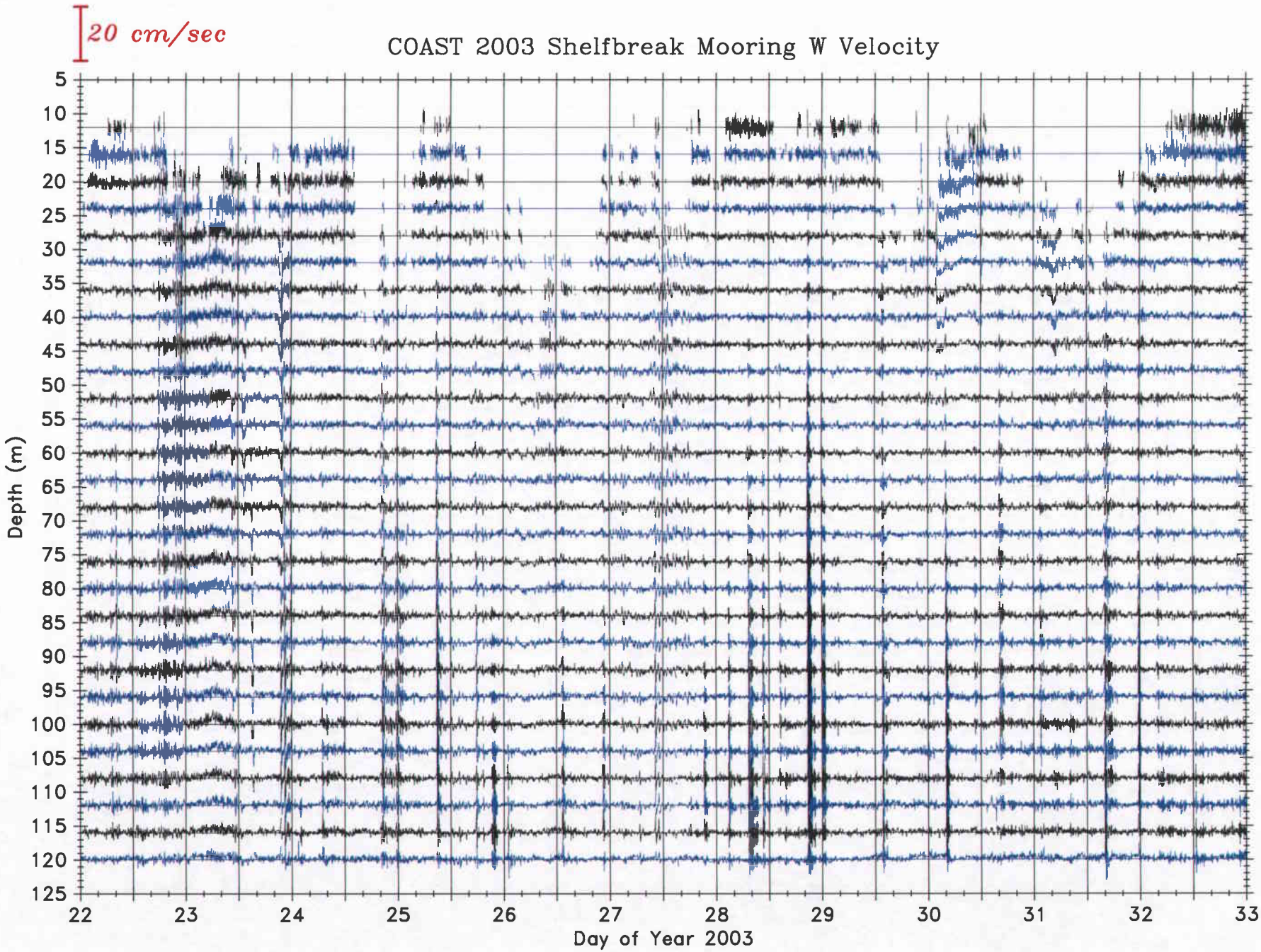
Day of Year 2003


20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
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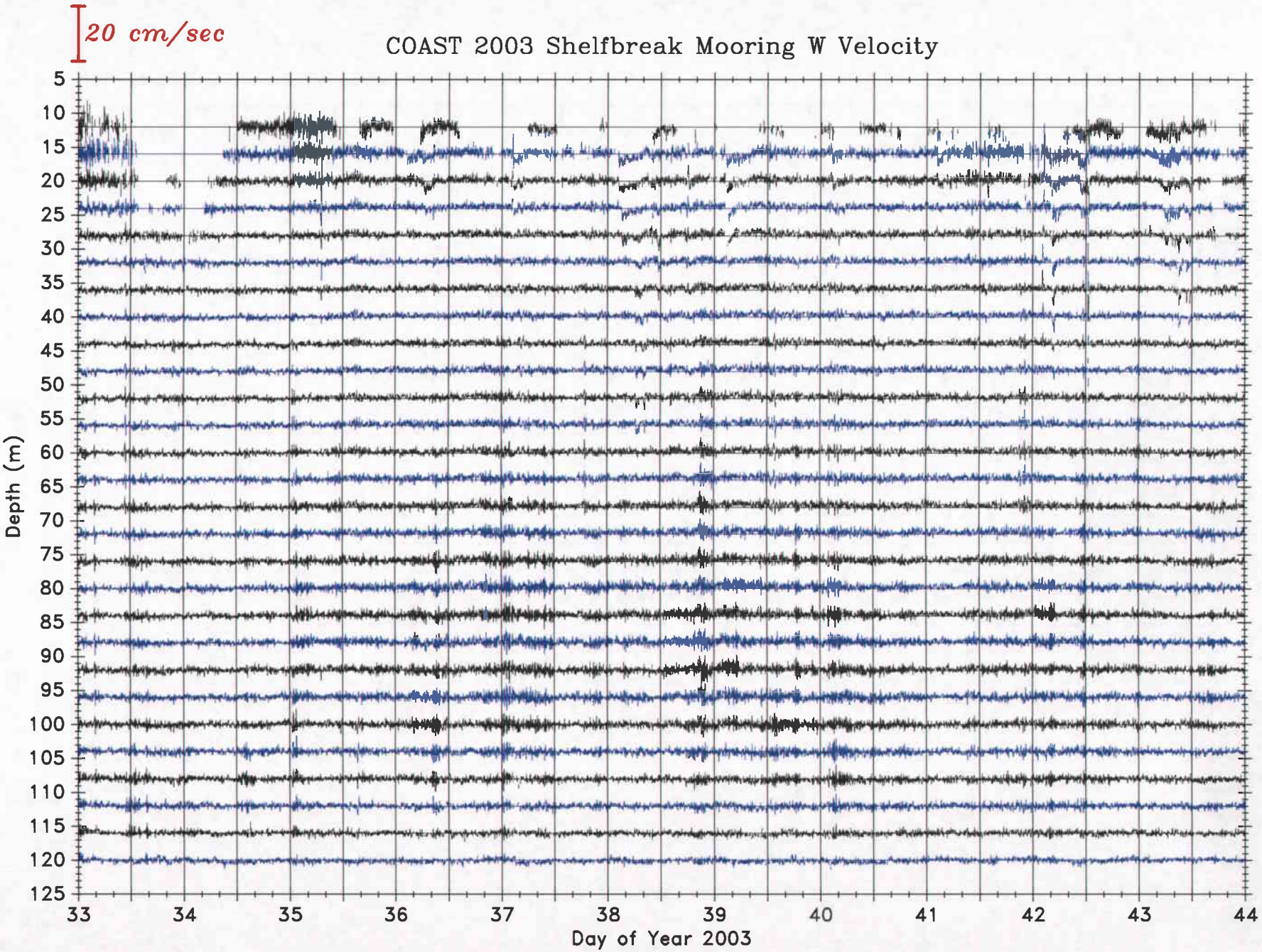
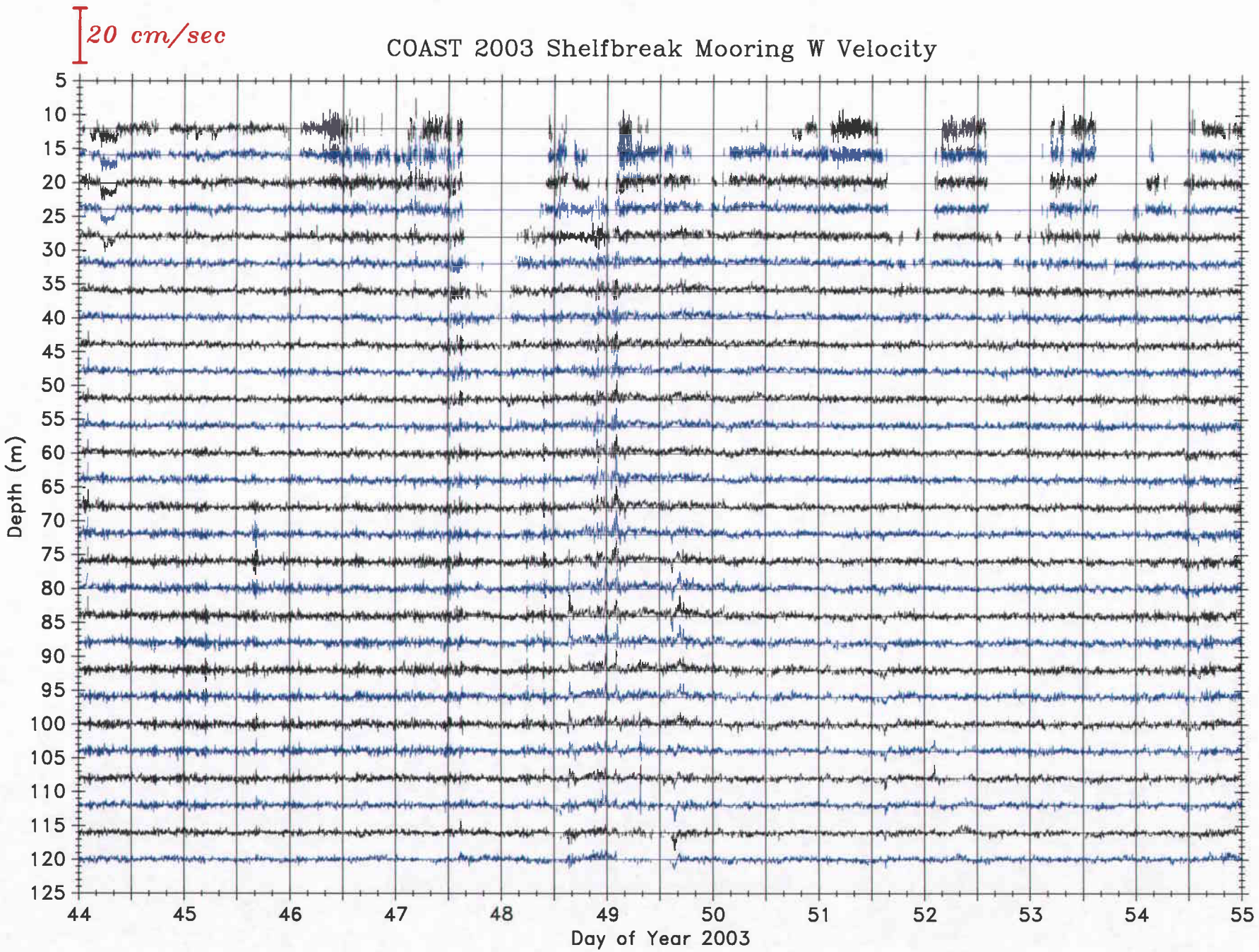
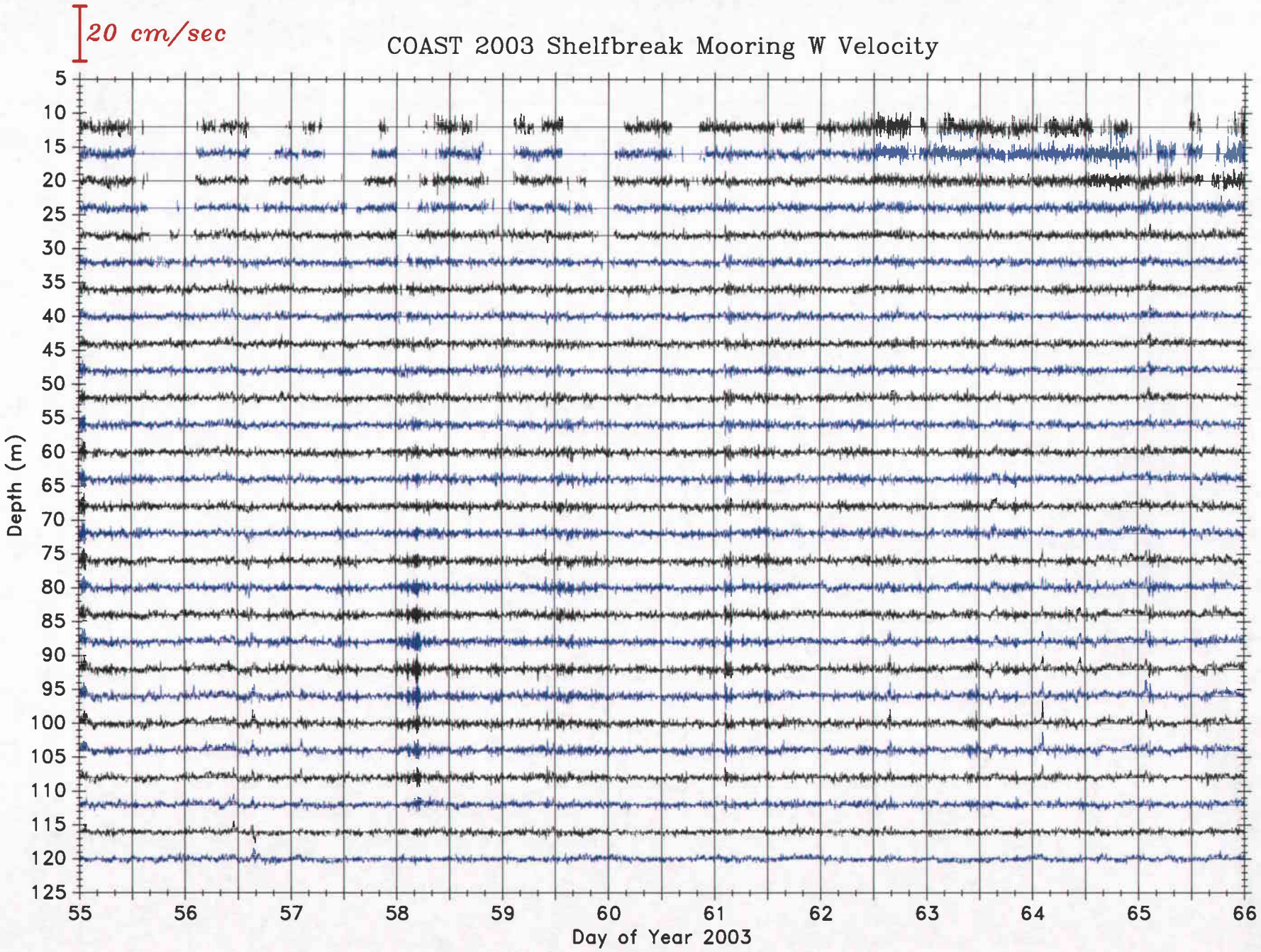
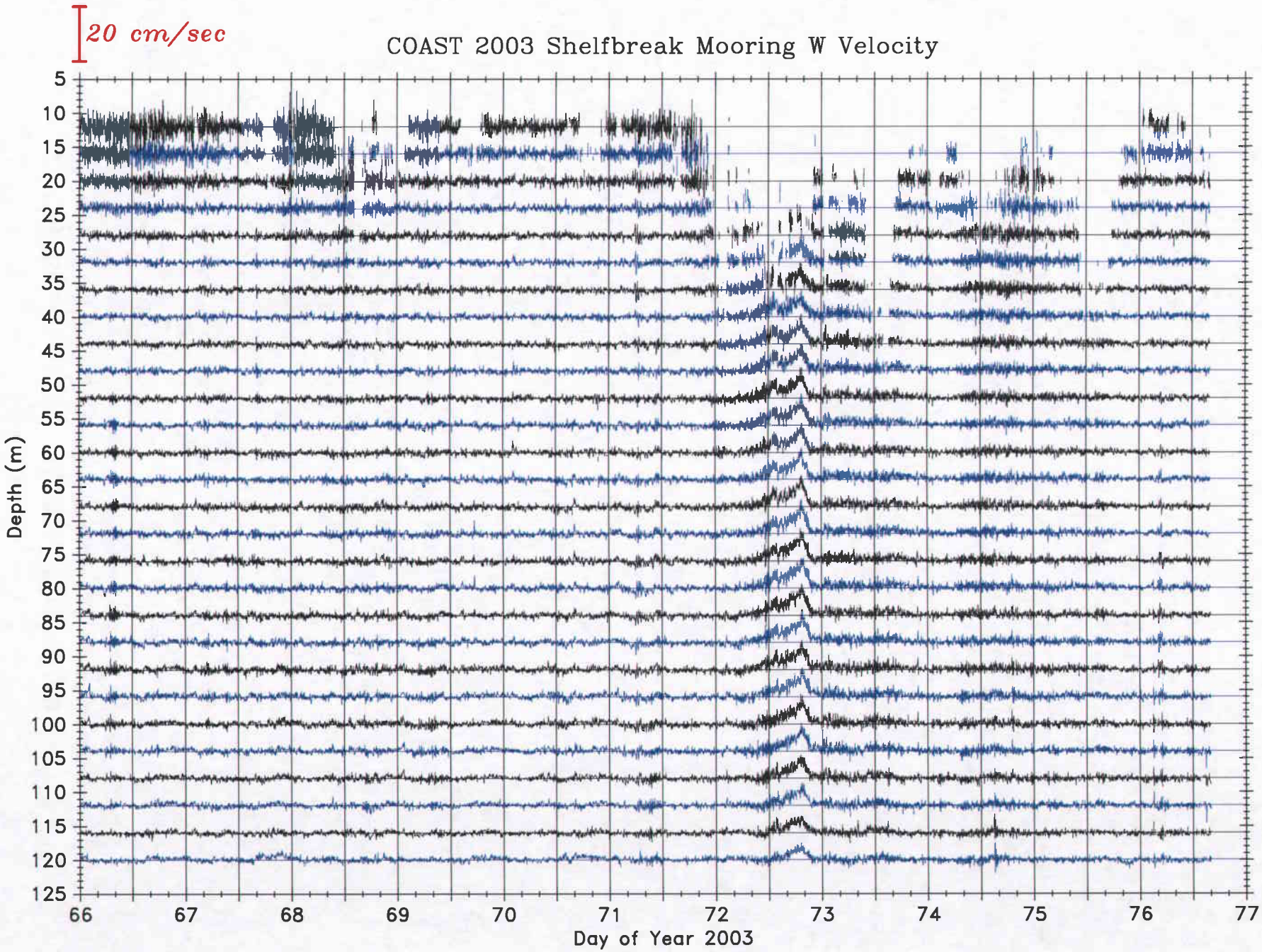
Day of Year 2003


20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
33
34
35
36
37
38
39
40
41
42
43
44
Day of Year 2003


20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
44
45
46
47
48
49
50
51
52
53
54
55
Day of Year 2003

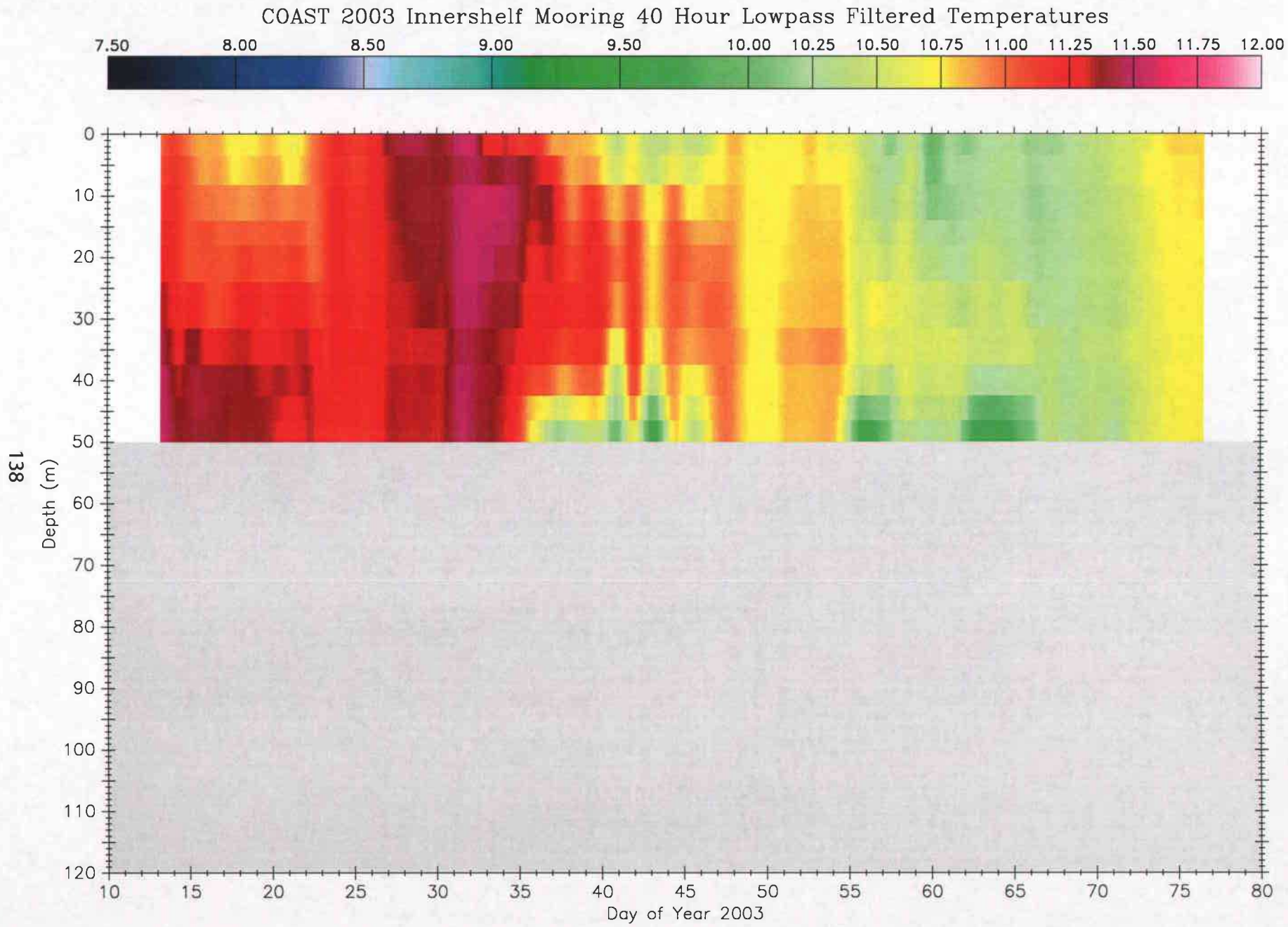

20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
55
56
57
58
59
60
61
62
63
64
65
66
Day of Year 2003

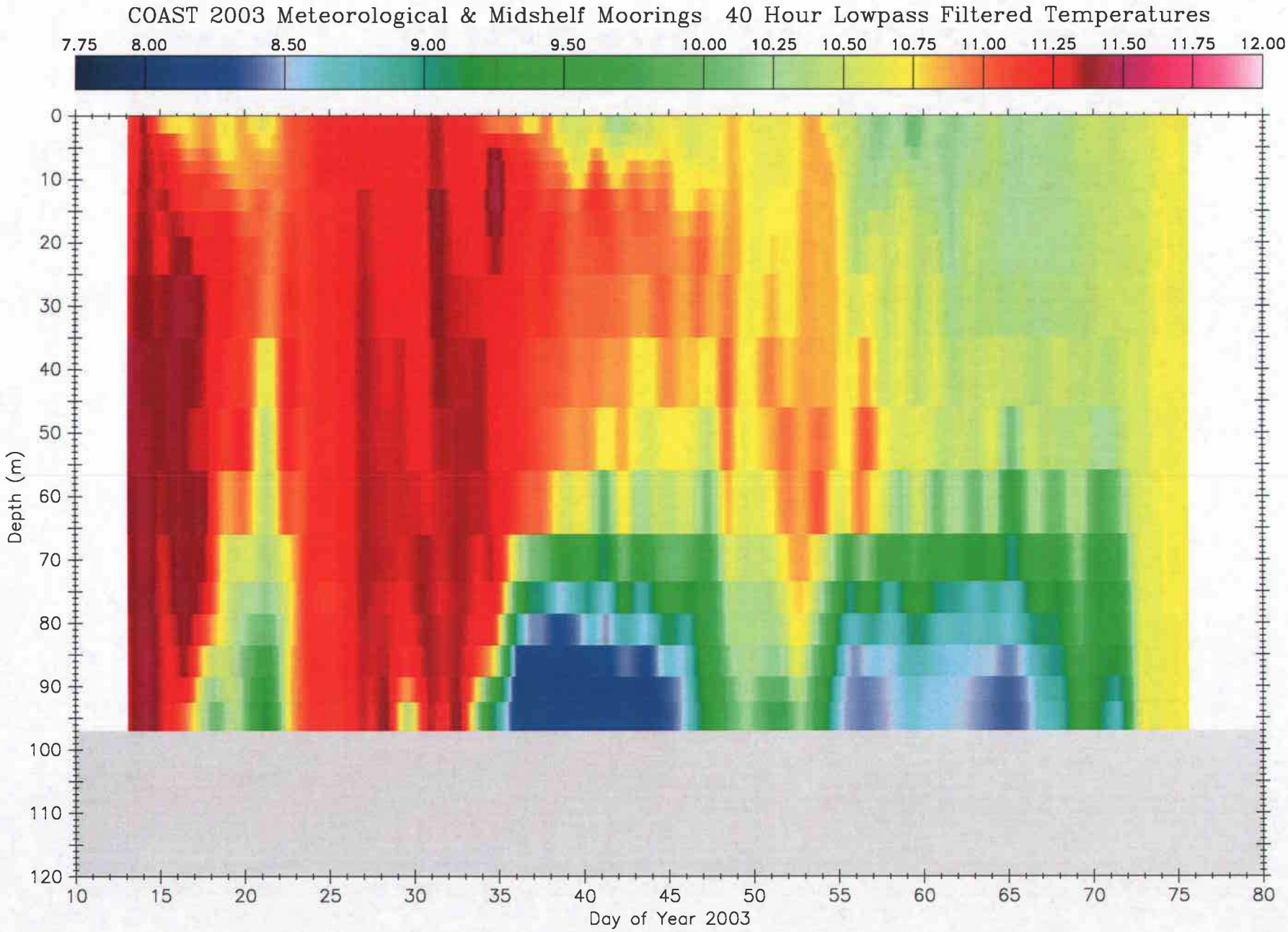

20 cm/sec
COAST 2003 Shelfbreak Mooring W Velocity
Depth (m)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
66
67
68
69
70
71
72
73
74
75
76
77
Day of Year 2003

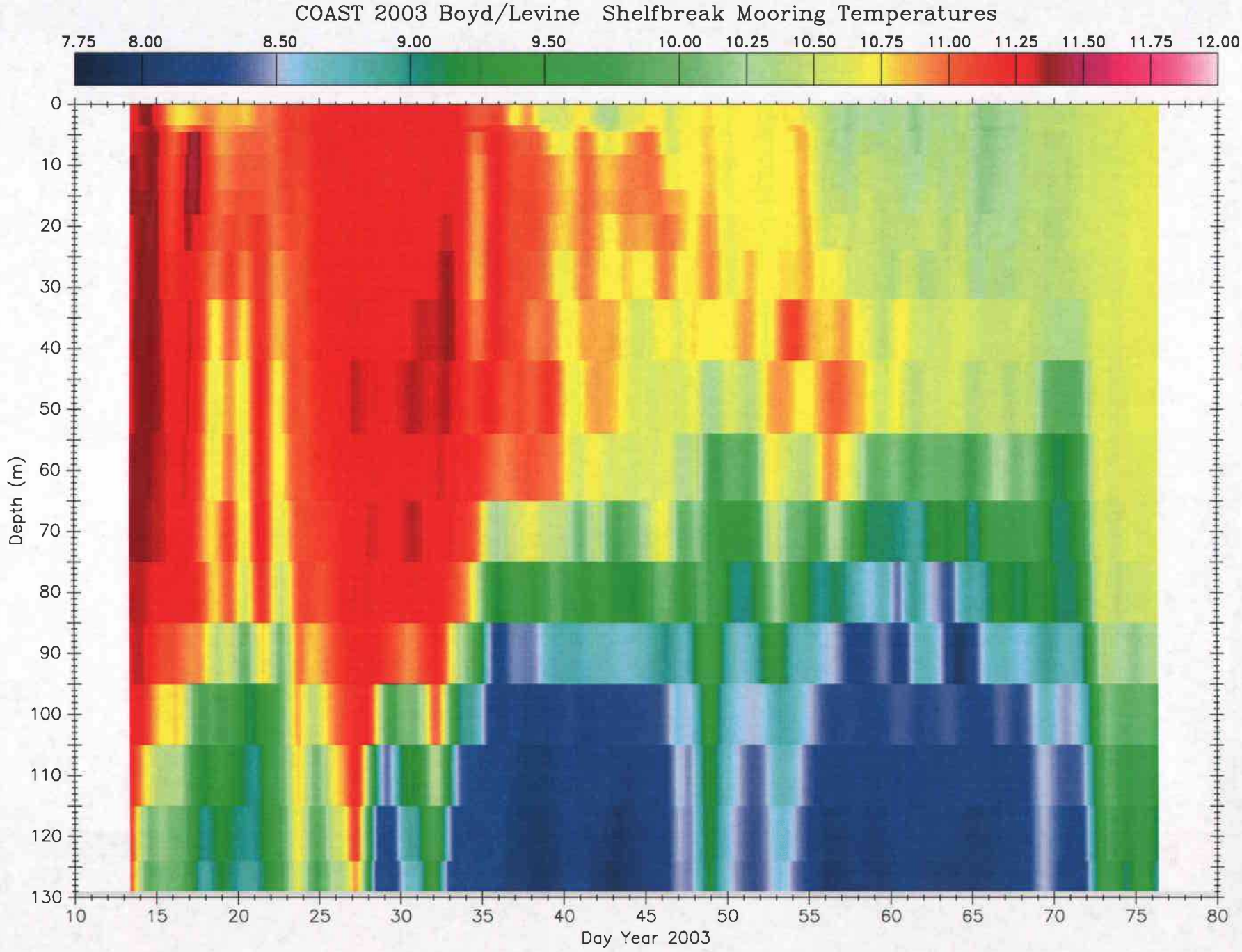
D. TEMPERATURE Color Contour Depth/Time Plots

Filtered temperature time series are shown in color for each of the COAST 2003 moorings. Data are shown for all depths for which temperature was recorded (Table 1). The gray shaded regions at the page bottoms indicate the water depth for each mooring location. Temperatures are shown at one page per mooring, with the exception that temperature data from the Mid-shelf and Met moorings were combined in one figure. There has been no vertical interpolation between sensors. Boundaries for plotting the temperature are at the surface, bottom, and mid-points between sensors

The data represented in these figures are the outputs from a 40-hour lowpass filter, interpolated to 1-hour intervals. Sample rates for the temperature sensors ranged from 1 to 6 minutes (see Table 1). The filter employs a Lanczos taper with a half width of 1840 minutes. There is no filter output at times for which there is less than 50% data coverage in each side of the filter window. In addition, there is no data output at times within one filter half-width of the start and stop times of the time series.

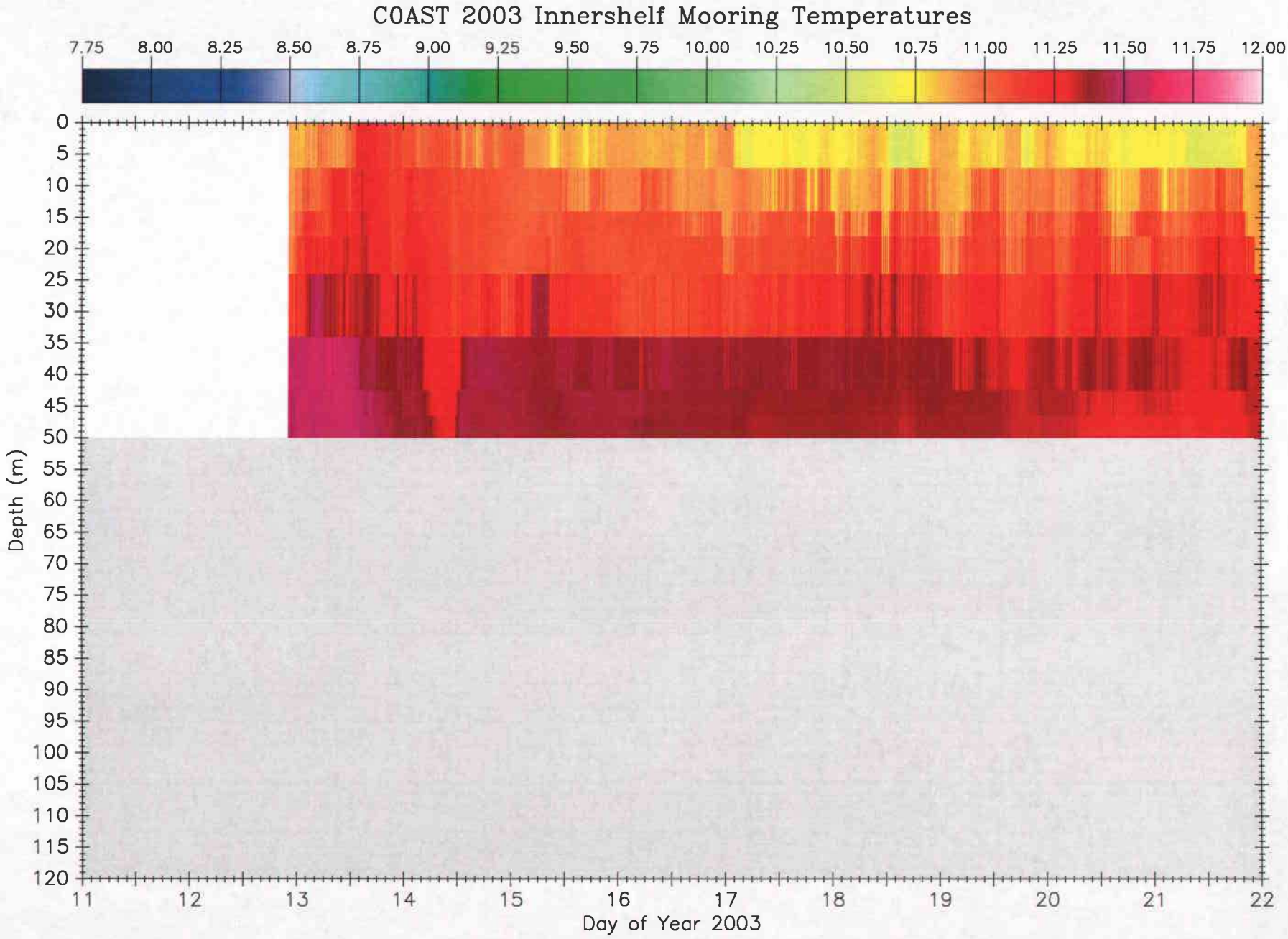

COAST 2003 Innershelf Mooring 40 Hour Lowpass Filtered Temperatures
7.50
8.00
8.50
9.00
9.50
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
10
20
30
40
50
60
70
80
90
100
110
120
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Day of Year 2003

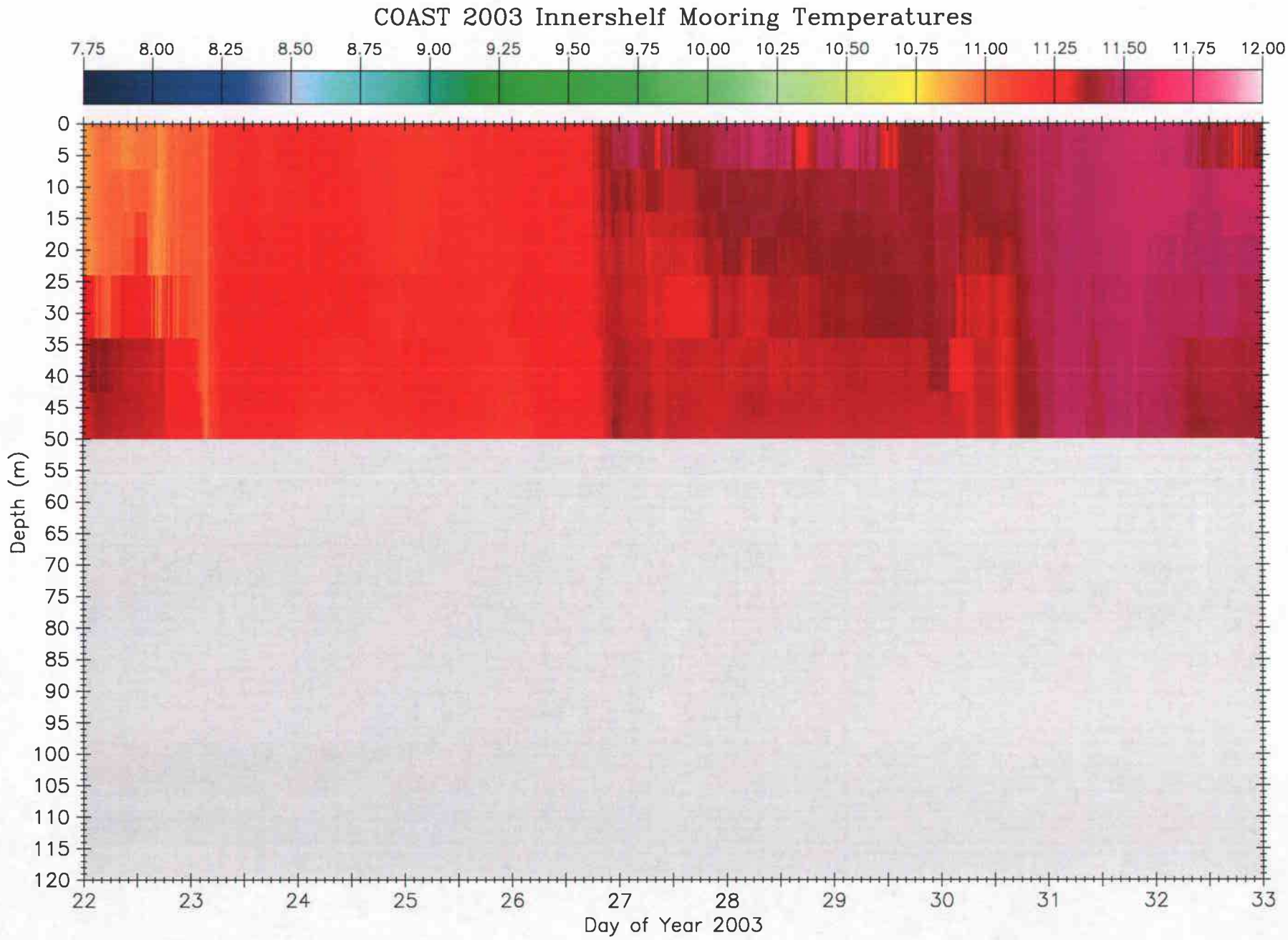

COAST 2003 Meteorological & Midshelf Moorings 40 Hour Lowpass Filtered Temperatures
7.75
8.00
8.50
9.00
9.50
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
10
20
30
40
50
60
70
80
90
100
110
120
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Day of Year 2003

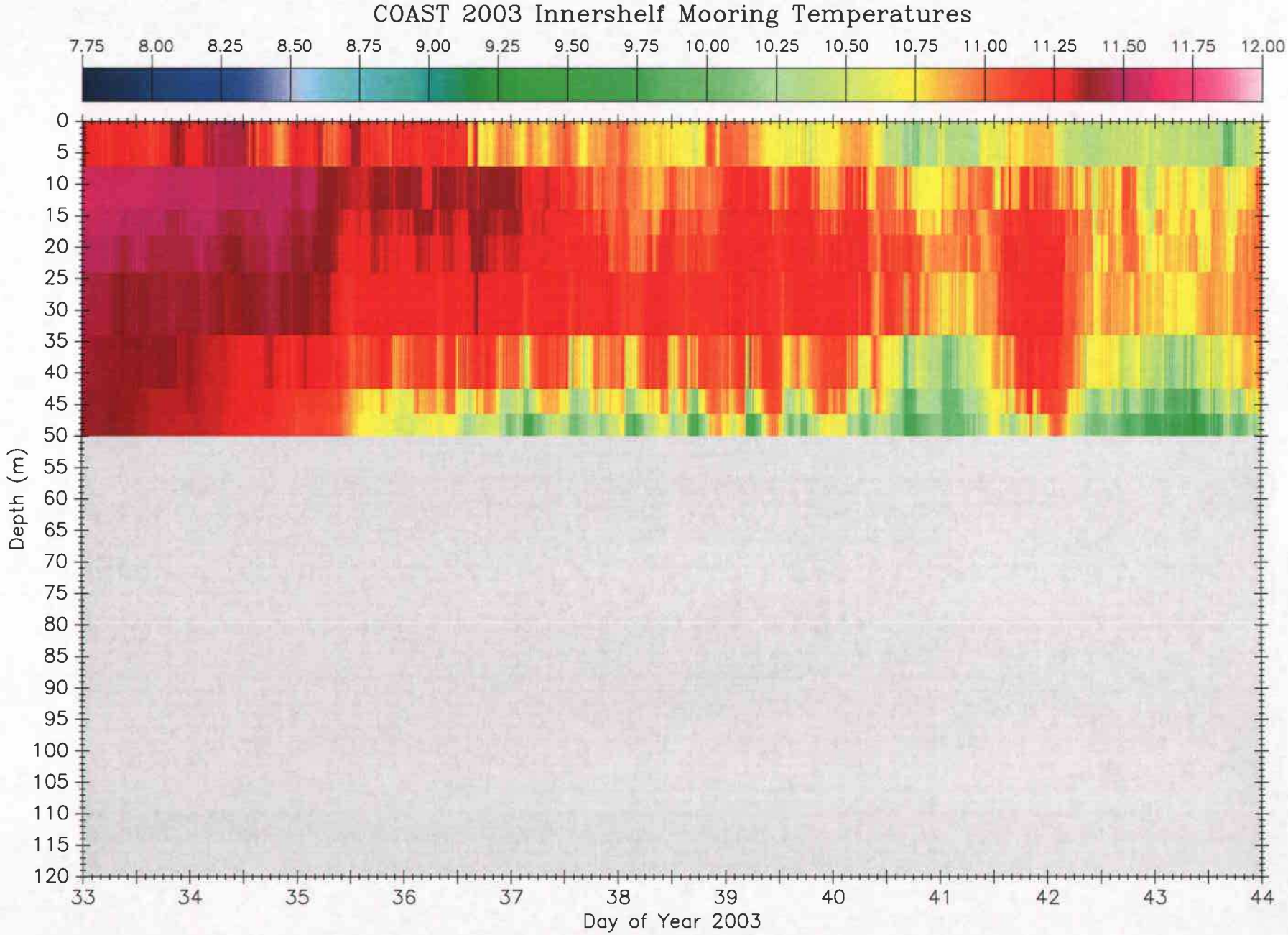

COAST 2003 Boyd/Levine Shelfbreak Mooring Temperatures
7.75
8.00
8.50
9.00
9.50
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Day Year 2003

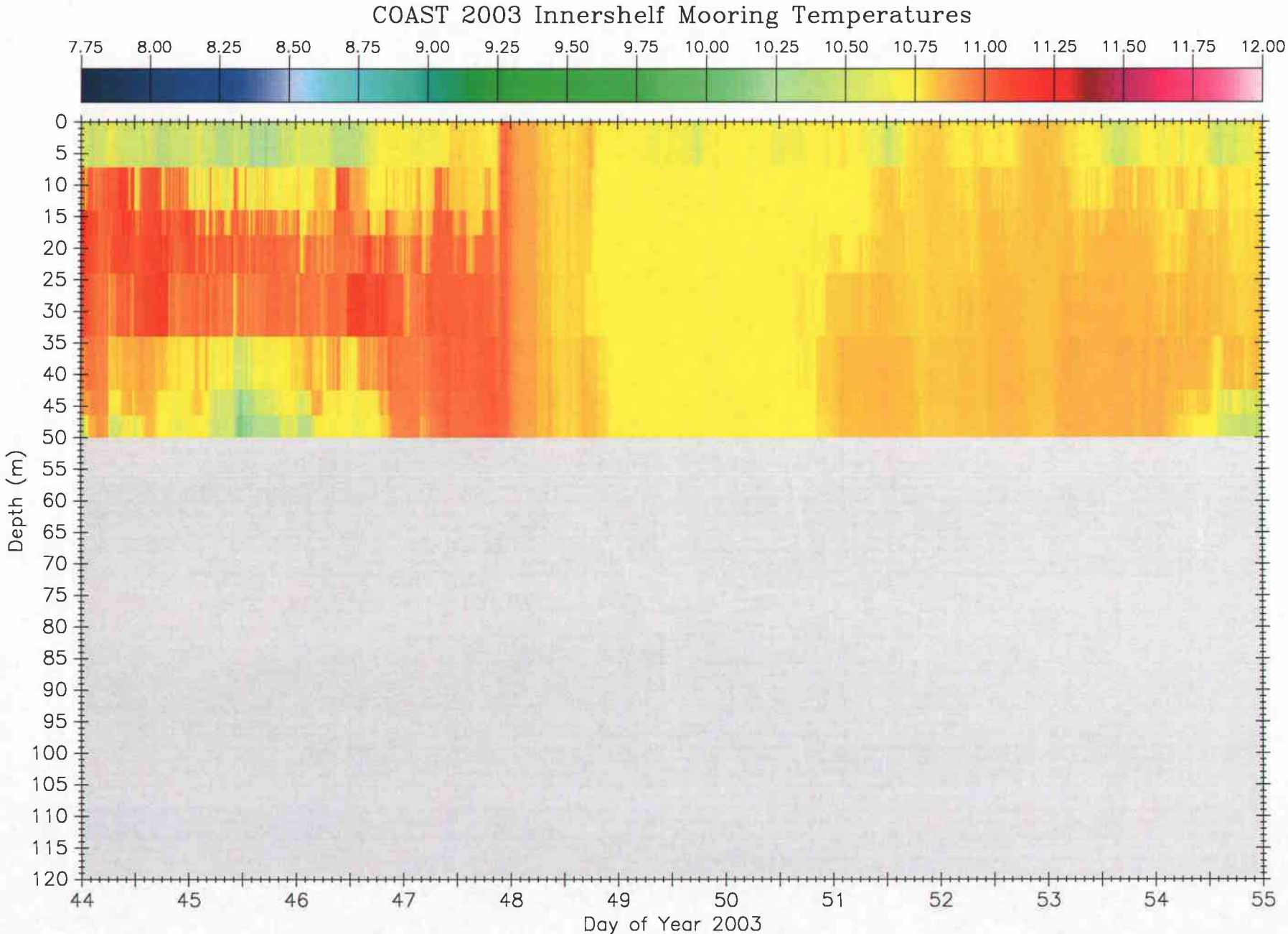
E. TEMPERATURE Color Contour Depth/Time Plots

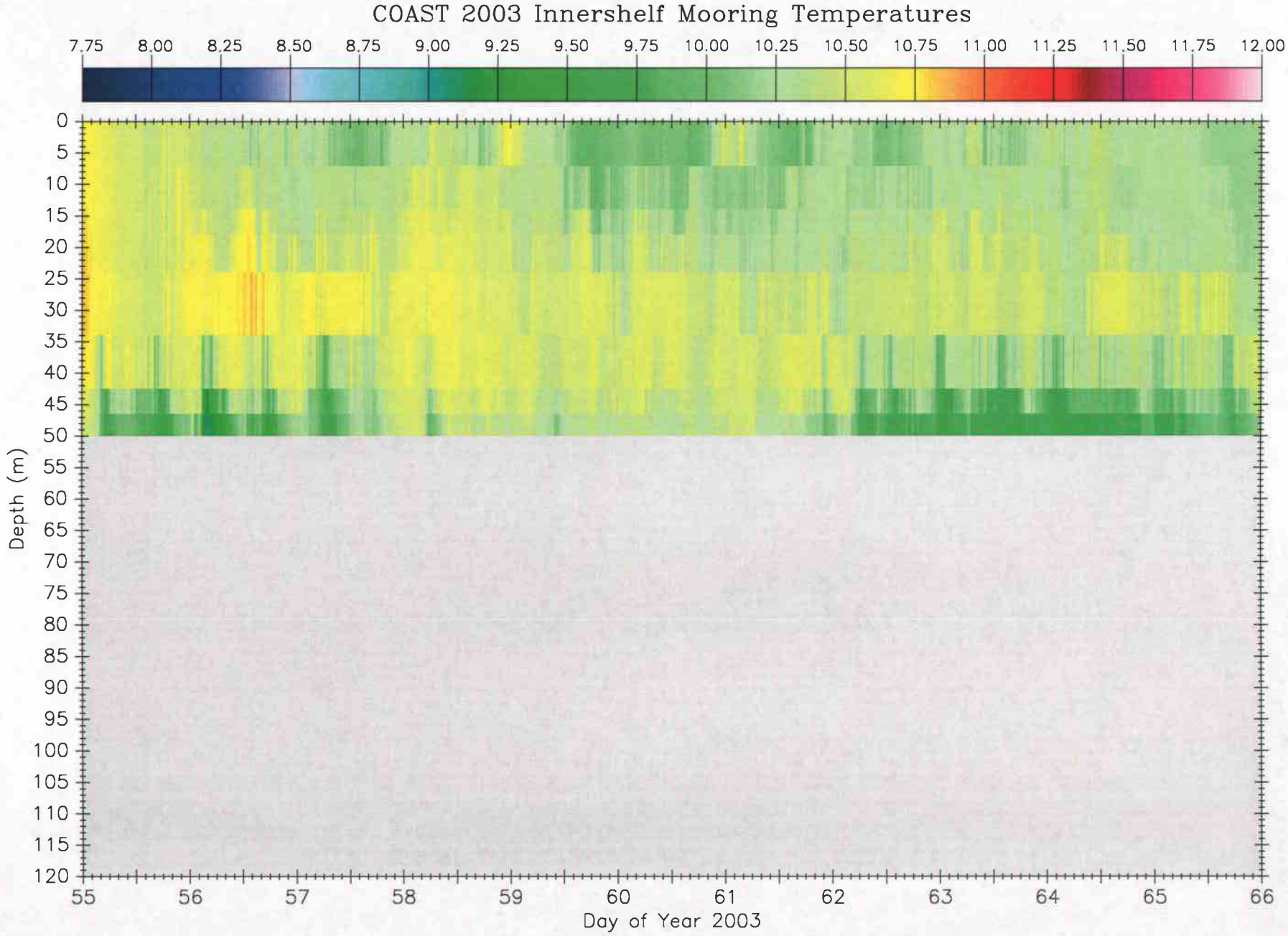
Unfiltered temperature time series are shown in color for each of the COAST 2003 moorings. Data are shown for most depths for which temperature was recorded, excluding most of the Vemco sensors, due to lower sampling rate, lower temperature resolution, and obvious offsets relative to surrounding instruments (Table 1). The Inner-shelf plots exclude 4.5 m and 35 m Vemco data; the Mid-shelf plots exclude 76 m Vemco data; and the Shelf-break plots exclude 4.5 m Vemco data, but include 70 m and 90 m Vemco data. The gray shaded regions at the page bottoms indicate the water depth for each mooring location. Temperatures for each mooring are shown at 11 days per page. Temperature data from the Mid-shelf and Met moorings were merged into one set of figures. The Met and Mid-shelf moorings were separated horizontally by about 1.2 km, and in these figures the vertical range of the sensors from each mooring is separated by a white horizontal line. There has been no vertical interpolation between sensors. Boundaries for plotting the temperature are at the surface, bottom, and mid-points between sensors. Sample rates for the temperature sensors ranged from 1 to 6 minutes (see Table 1).

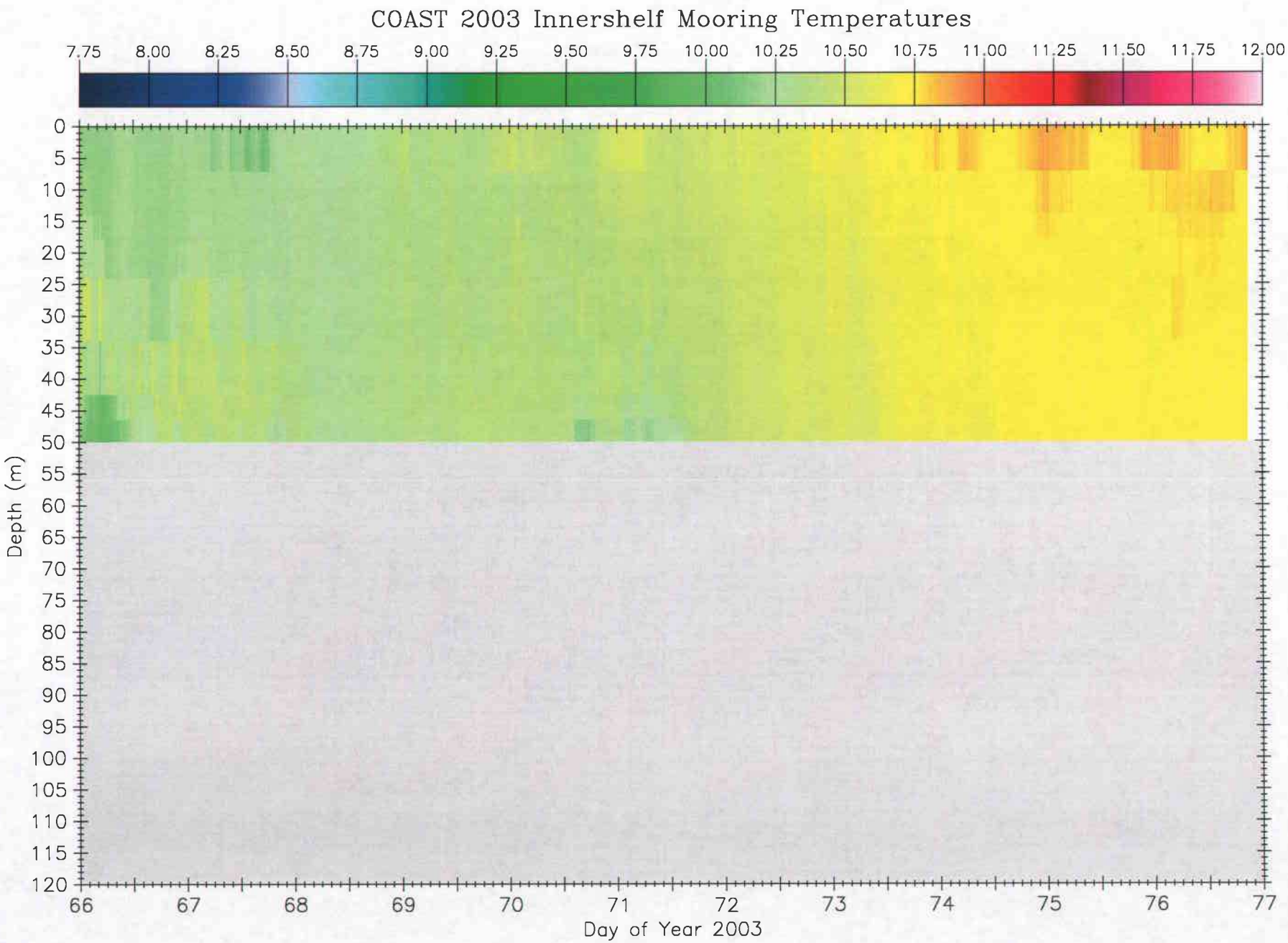

COAST 2003 Innershelf Mooring Temperatures
7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00
Depth (m)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
11 12 13 14 15 16 17 18 19 20 21 22
Day of Year 2003

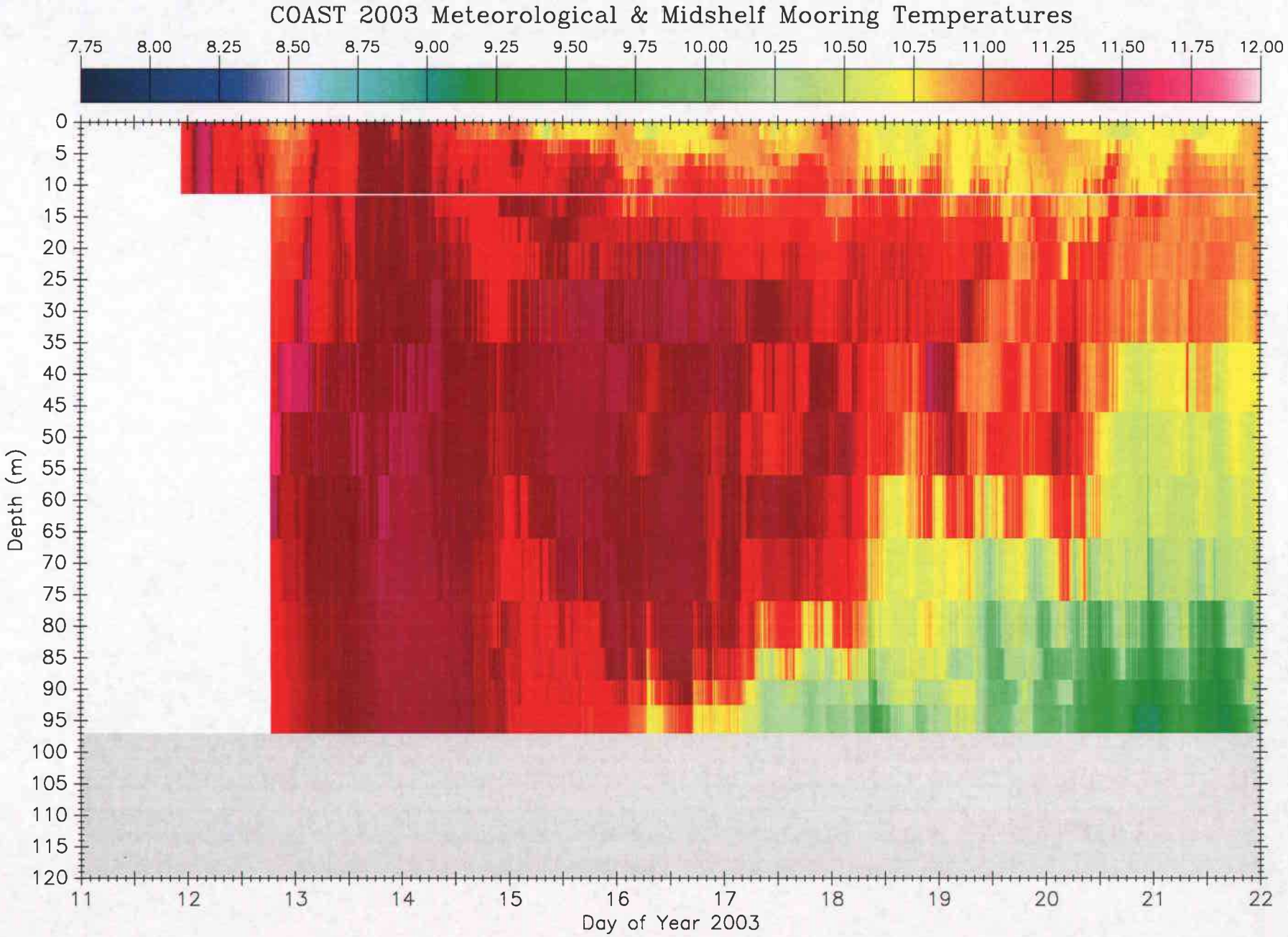

COAST 2003 Innershelf Mooring Temperatures
7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00
Depth (m)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
22 23 24 25 26 27 28 29 30 31 32 33
Day of Year 2003


COAST 2003 Innershelf Mooring Temperatures
7.75
8.00
8.25
8.50
8.75
9.00
9.25
9.50
9.75
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
33
34
35
36
37
38
39
40
41
42
43
44
Day of Year 2003


COAST 2003 Innershelf Mooring Temperatures
7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00
Depth (m)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
44 45 46 47 48 49 50 51 52 53 54 55
Day of Year 2003


COAST 2003 Innershelf Mooring Temperatures
7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00
Depth (m)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
55 56 57 58 59 60 61 62 63 64 65 66
Day of Year 2003


COAST 2003 Innershelf Mooring Temperatures
7.75
8.00
8.25
8.50
8.75
9.00
9.25
9.50
9.75
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
66
67
68
69
70
71
72
73
74
75
76
77
Day of Year 2003


COAST 2003 Meteorological & Midshelf Mooring Temperatures
7.75
8.00
8.25
8.50
8.75
9.00
9.25
9.50
9.75
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
11
12
13
14
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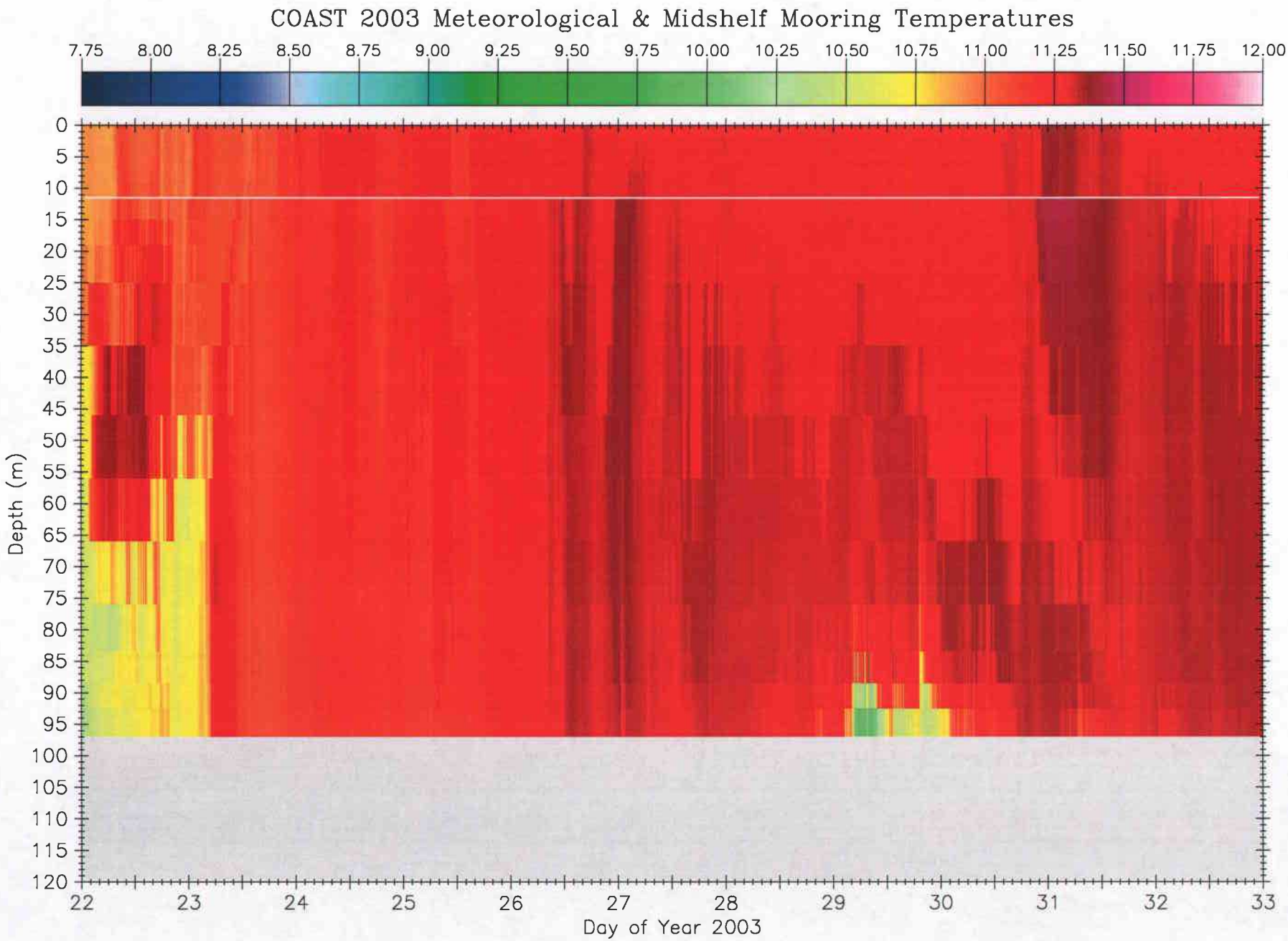
16
17
18
19
20
21
22
Day of Year 2003


COAST 2003 Meteorological & Midshelf Mooring Temperatures
7.75
8.00
8.25
8.50
8.75
9.00
9.25
9.50
9.75
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
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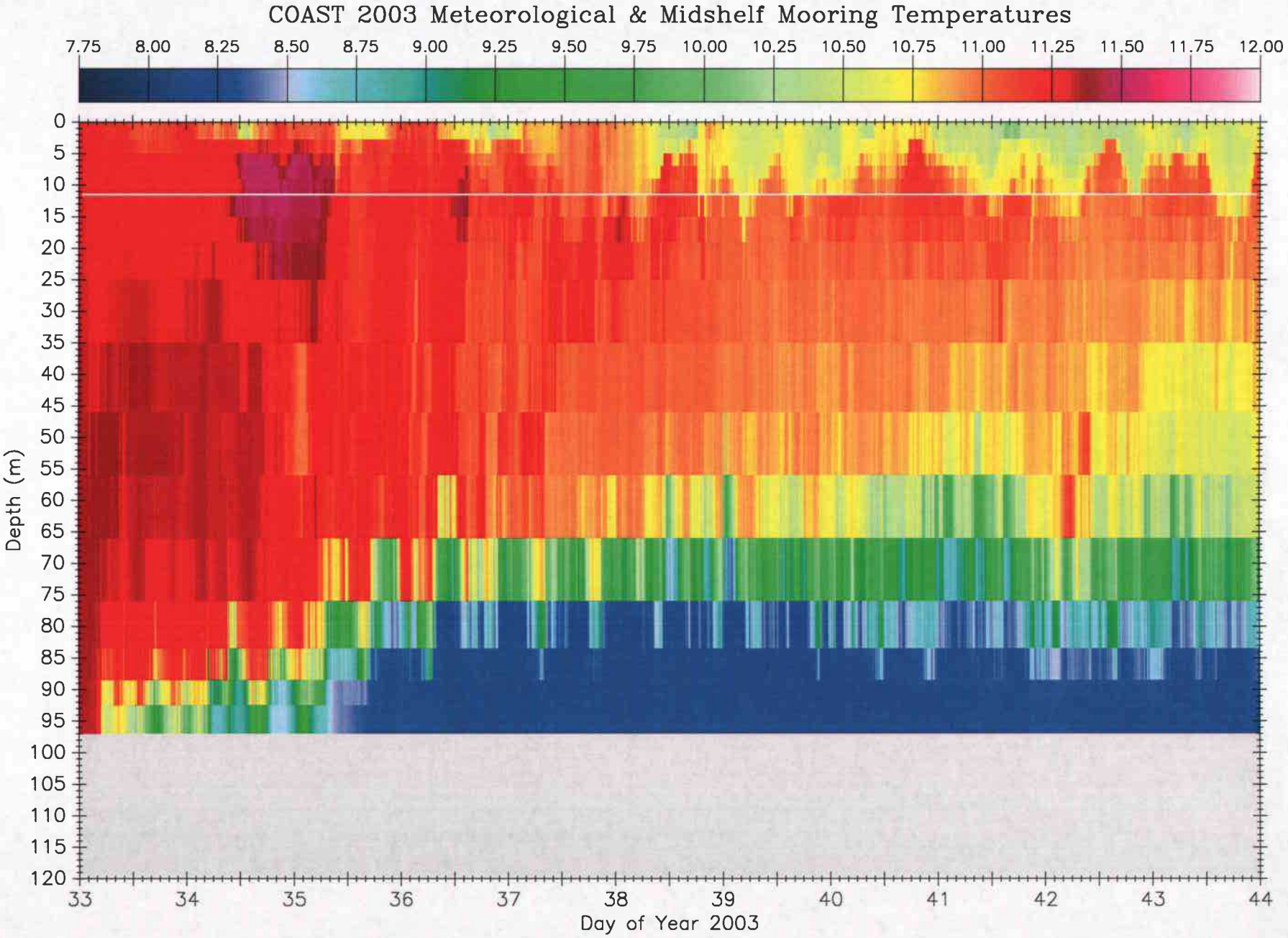
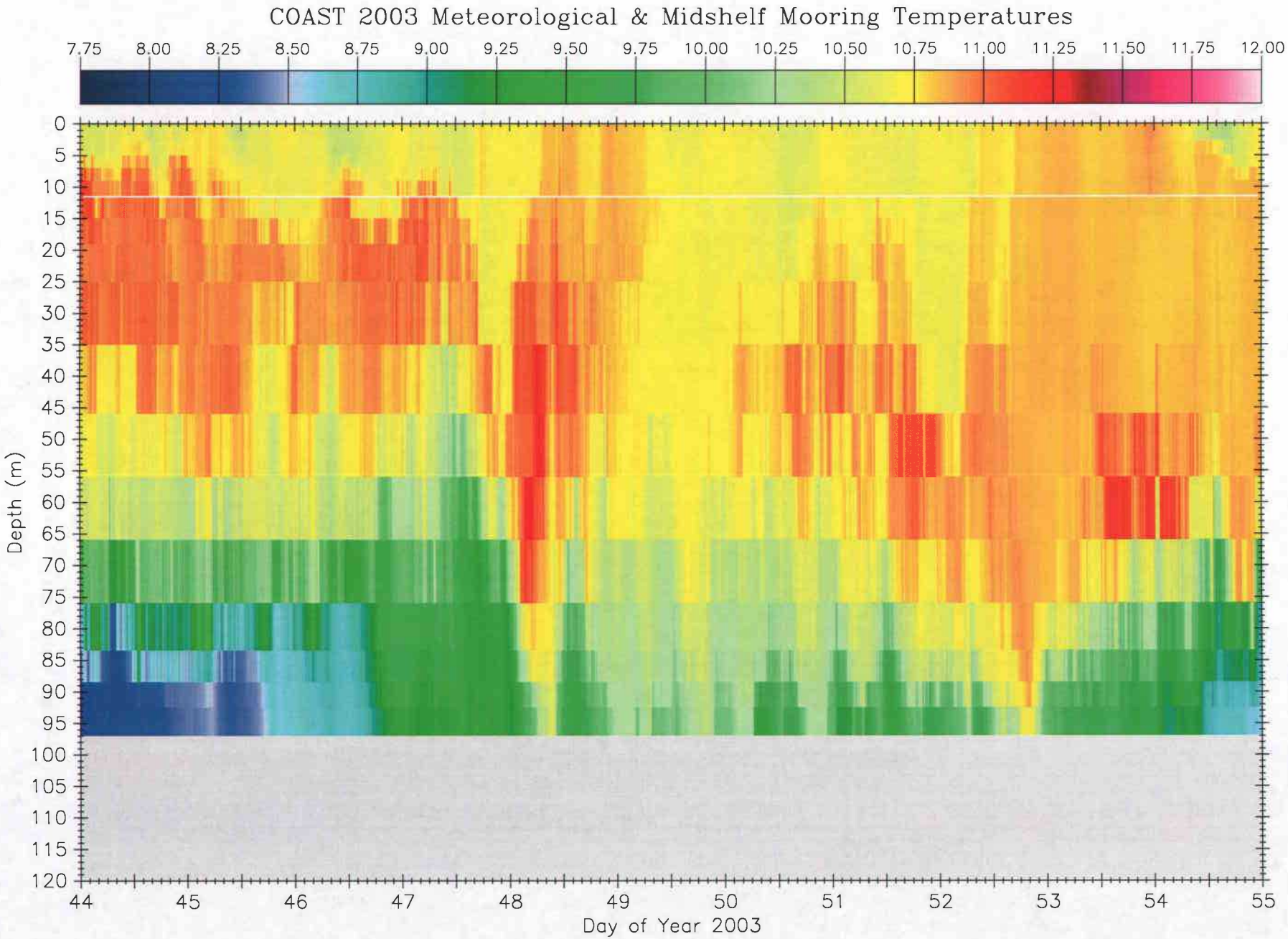
30
31
32
33
Day of Year 2003


COAST 2003 Meteorological & Midshelf Mooring Temperatures
7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00
Depth (m)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
33 34 35 36 37 38 39 40 41 42 43 44
Day of Year 2003


COAST 2003 Meteorological & Midshelf Mooring Temperatures
7.75
8.00
8.25
8.50
8.75
9.00
9.25
9.50
9.75
10.00
10.25
10.50
10.75
11.00
11.25
11.50
11.75
12.00
Depth (m)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
44
45
46
47
48
49
50
51
52
53
54
55
Day of Year 2003