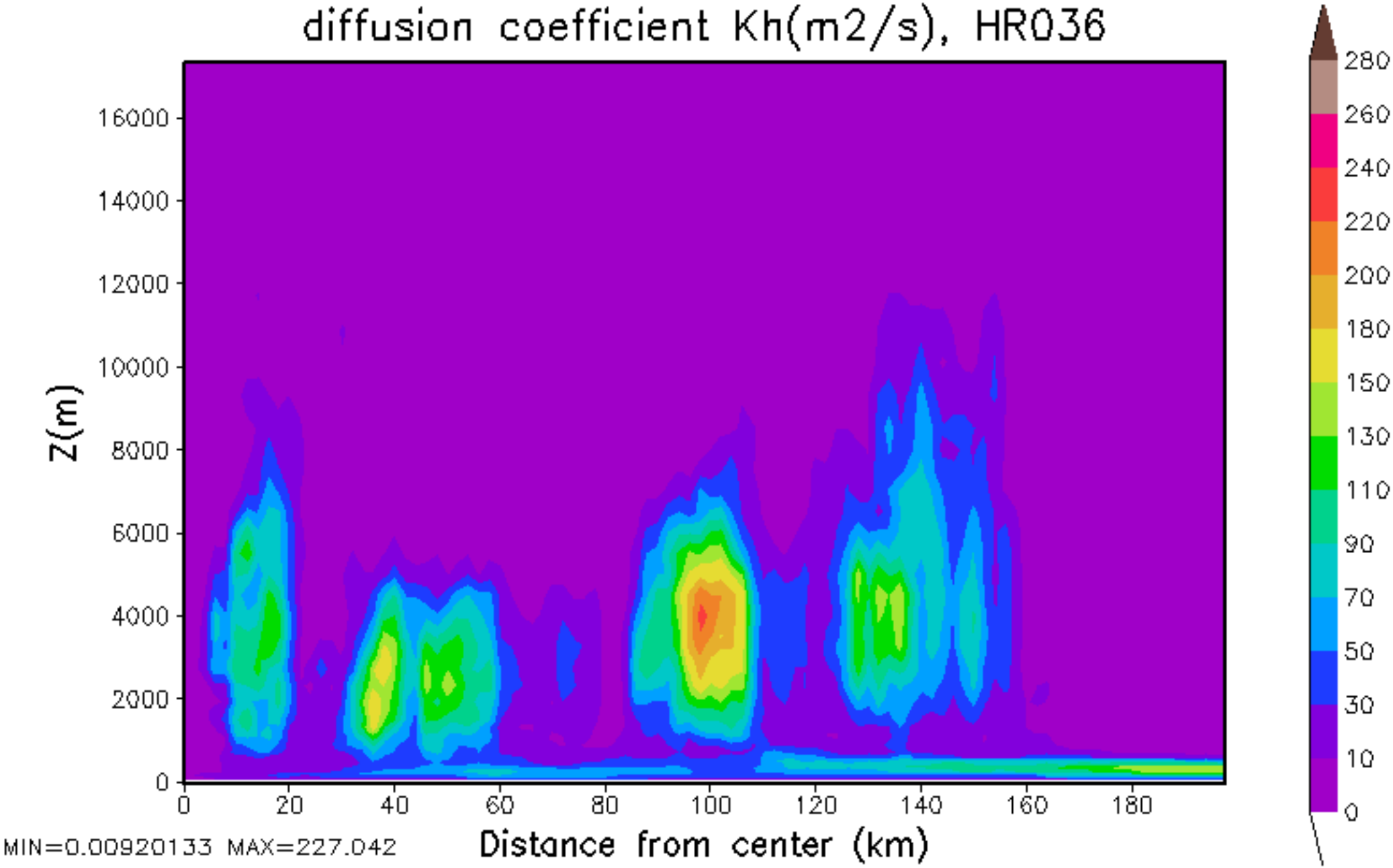
diffusion coefficient Kh(m2/s), HR036
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
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40
60
80
100
120
140
160
180
Distance from center (km)
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260
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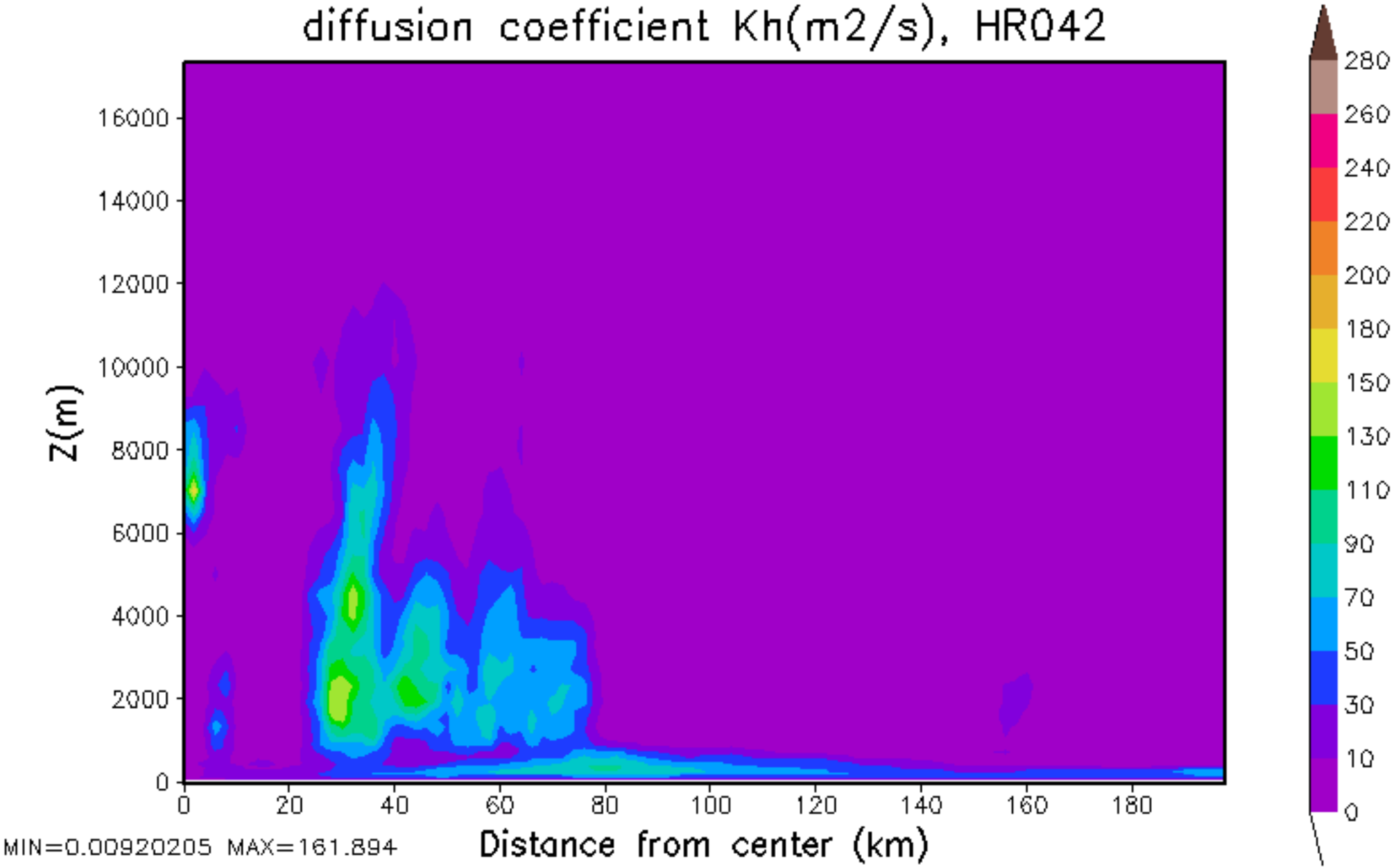
diffusion coefficient Kh(m2/s), HR042
Z(m)
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10000
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100
120
140
160
180
Distance from center (km)
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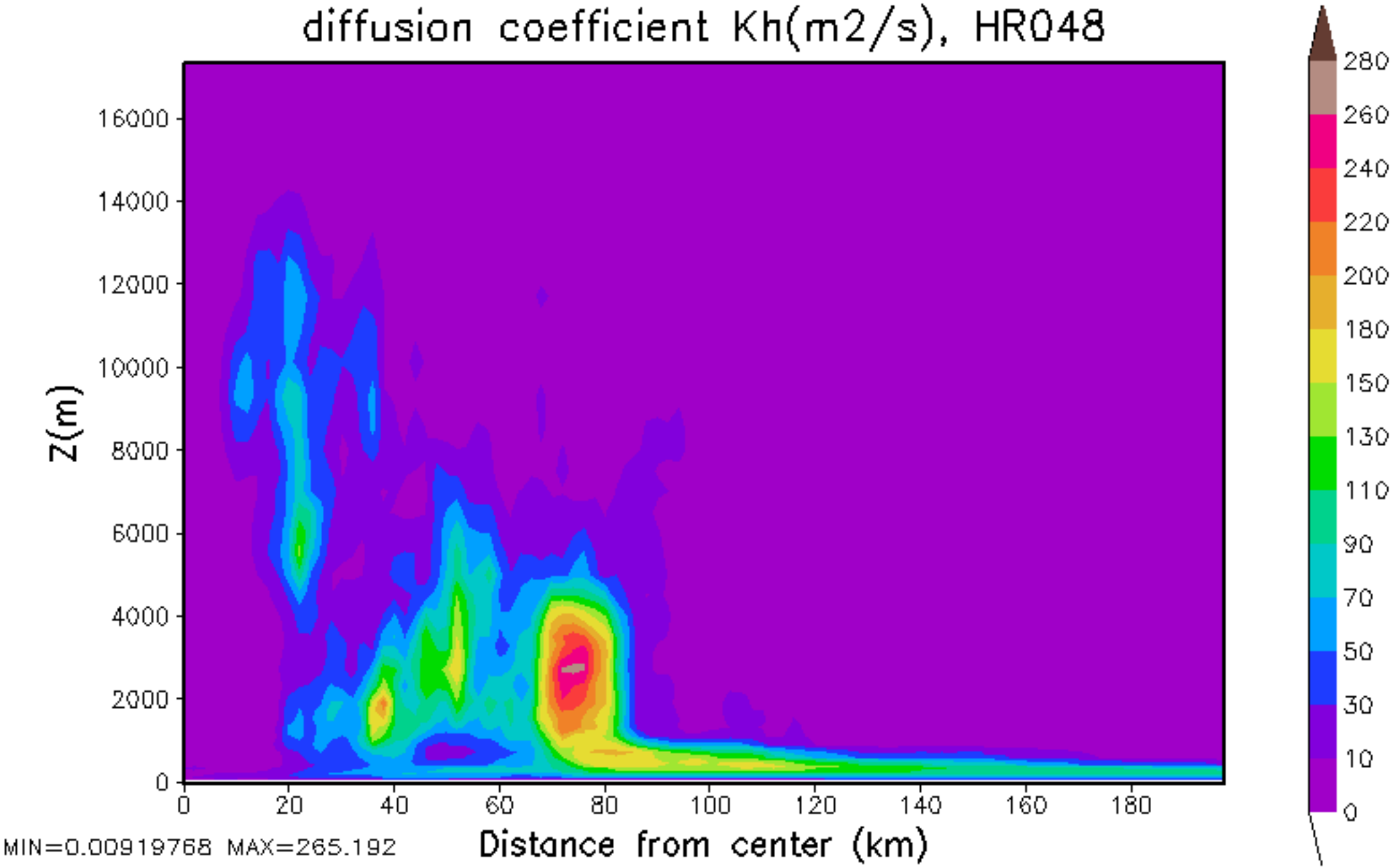
diffusion coefficient Kh(m2/s), HR048
Z(m)
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180
Distance from center (km)
MIN=0.00919768 MAX=265.192
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30
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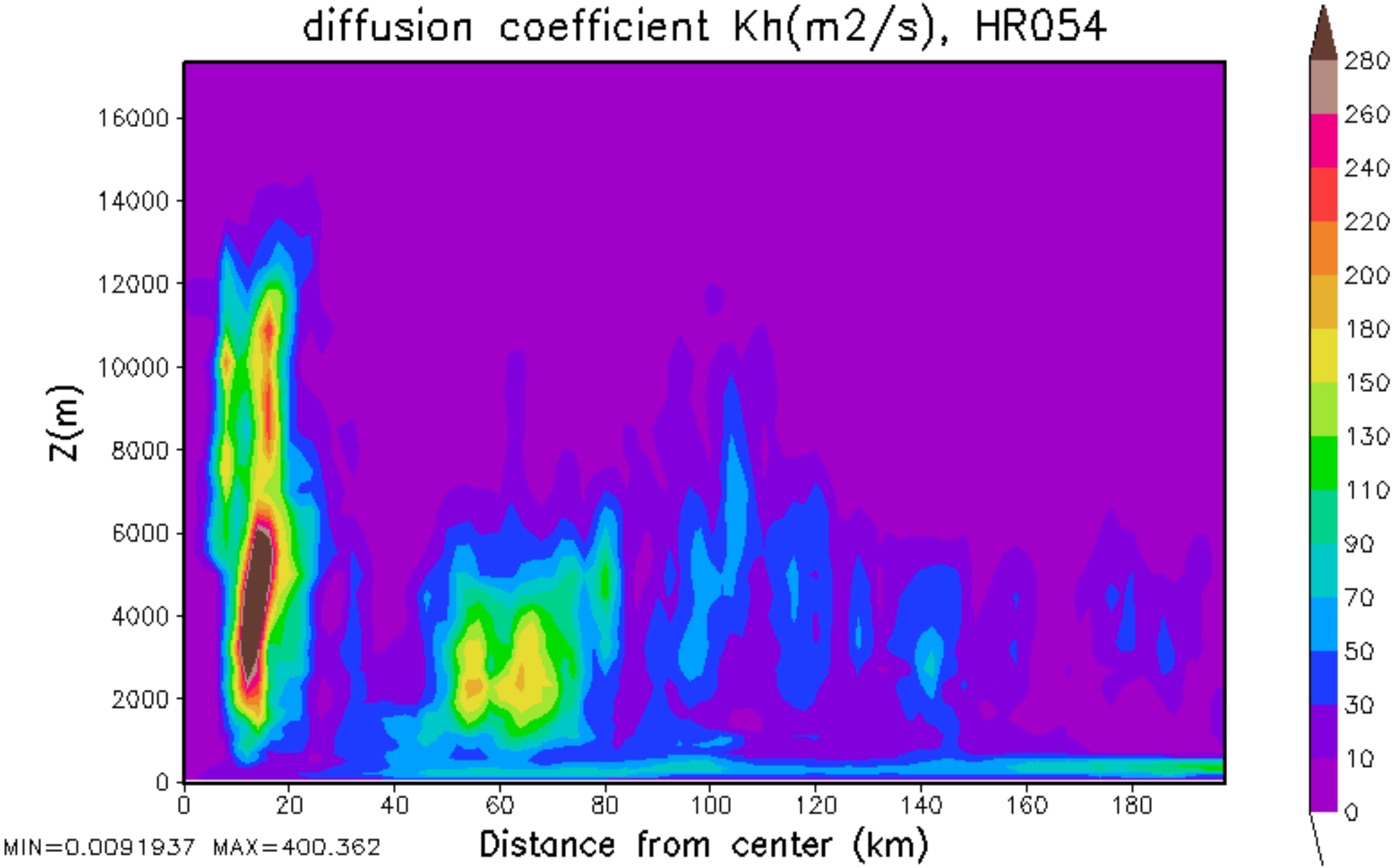
diffusion coefficient Kh(m2/s), HR054
Z(m)
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80
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120
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180
Distance from center (km)
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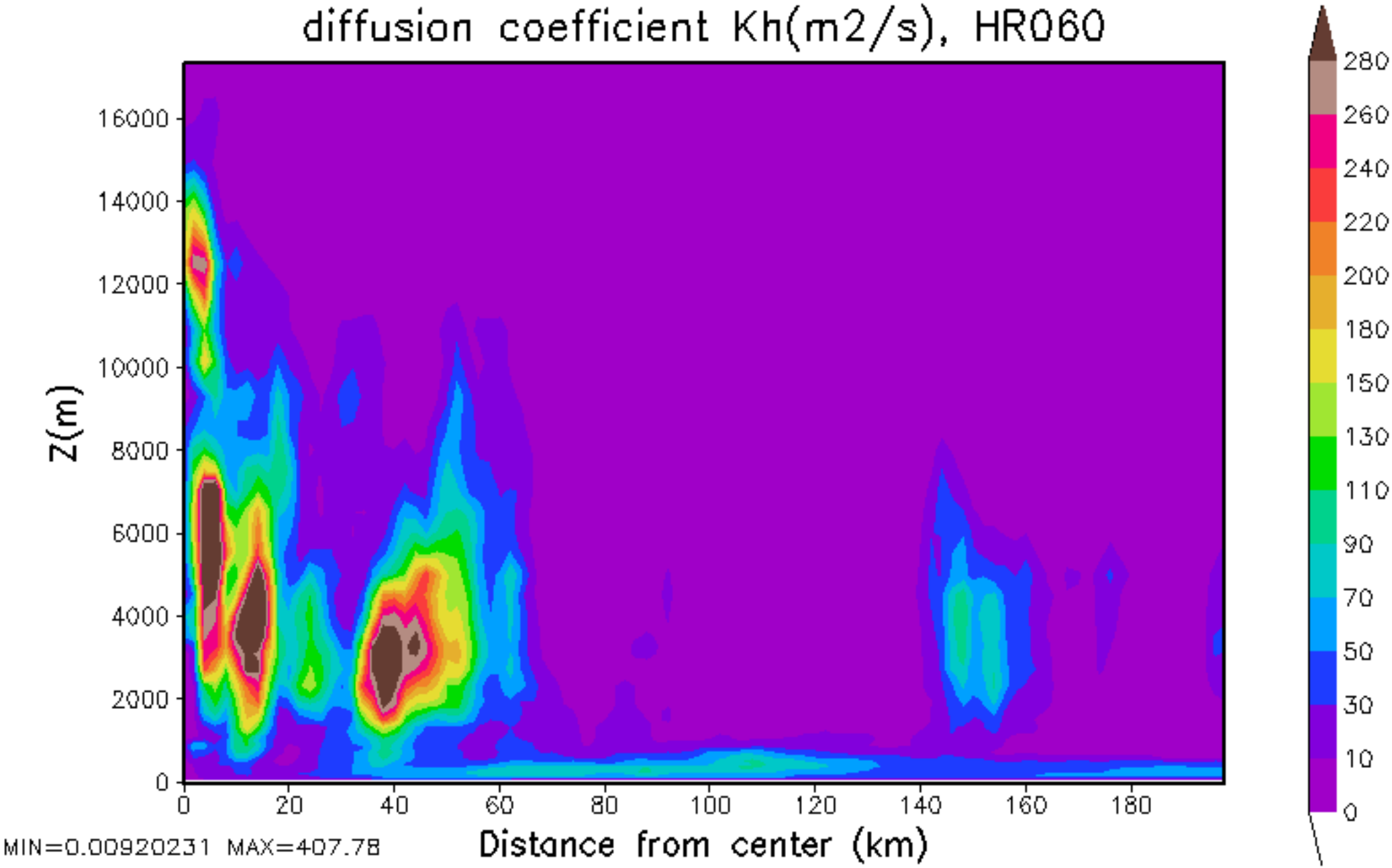
diffusion coefficient Kh(m2/s), HR060
Z(m)
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6000
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80
100
120
140
160
180
Distance from center (km)
MIN=0.00920231 MAX=407.78
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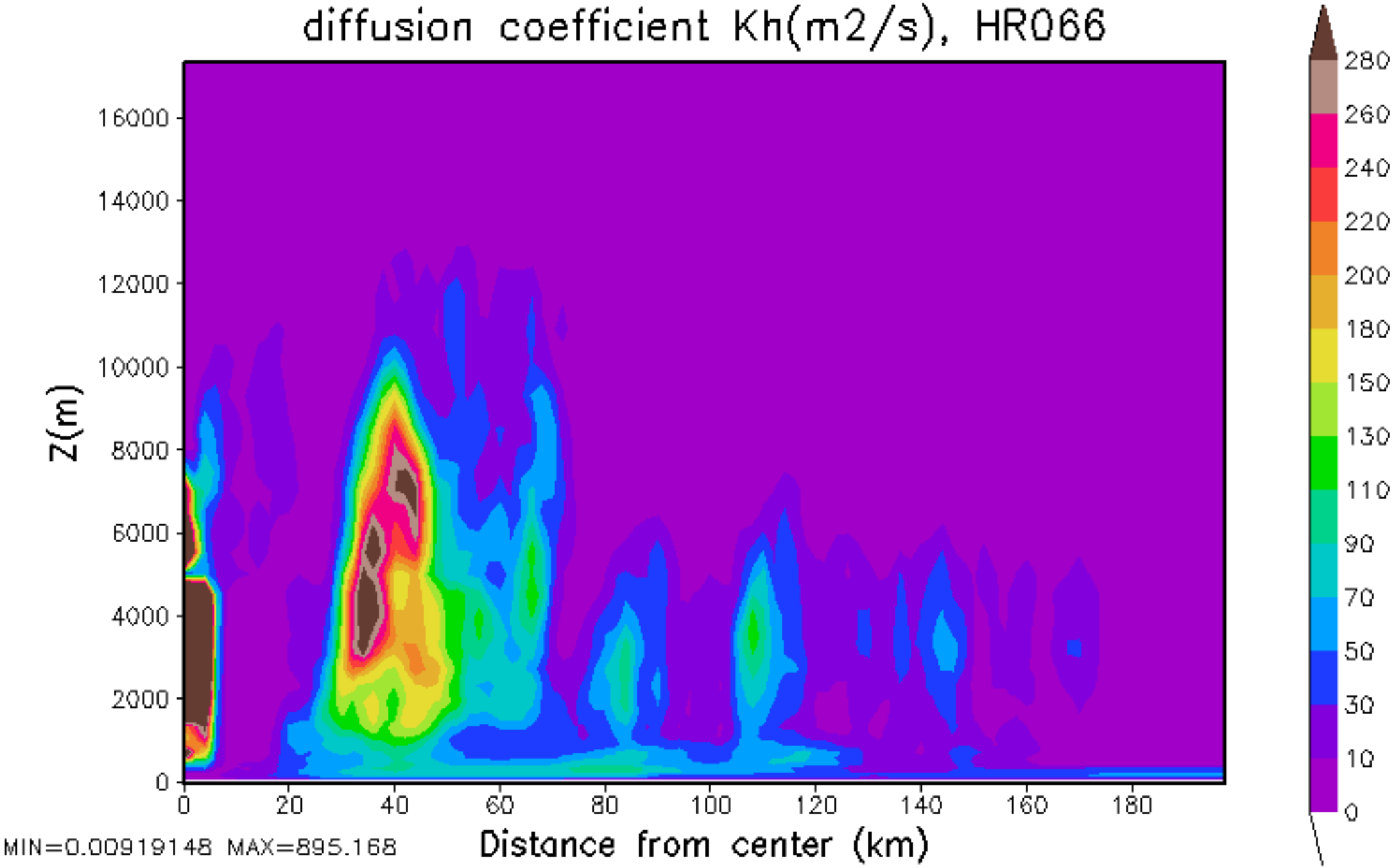
diffusion coefficient Kh(m2/s), HR066
Z(m)
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14000
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10000
8000
6000
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0
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40
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80
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160
180
Distance from center (km)
MIN=0.00919148 MAX=895.168
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260
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90
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10
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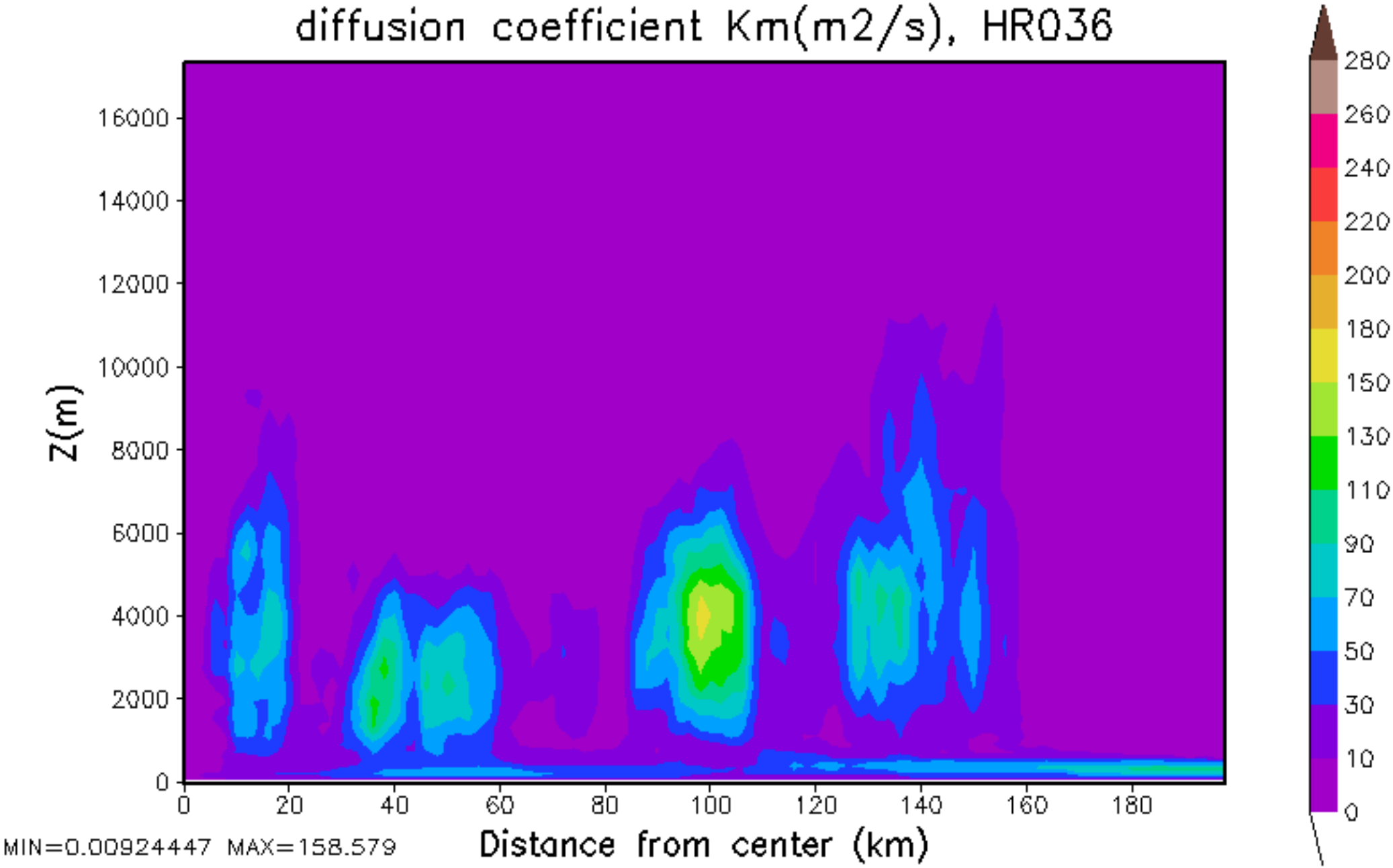
diffusion coefficient Km(m2/s), HR036
Z(m)
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8000
6000
4000
2000
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0
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40
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80
100
120
140
160
180
Distance from center (km)
MIN=0.00924447 MAX=158.579
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240
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200
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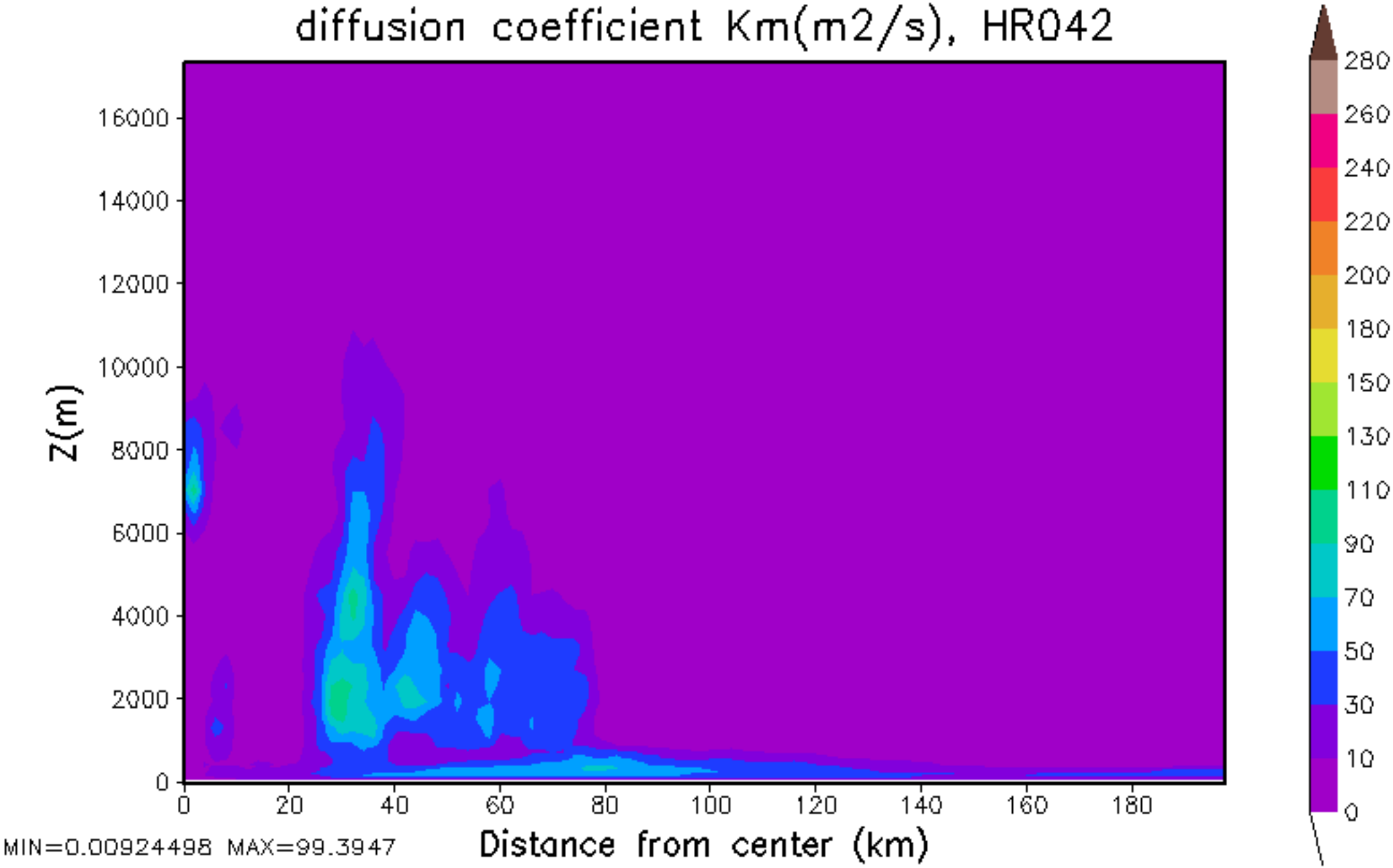
diffusion coefficient Km(m2/s), HR042
Z(m)
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12000
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6000
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0
0
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40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00924498 MAX=99.3947
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260
240
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200
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150
130
110
90
70
50
30
10
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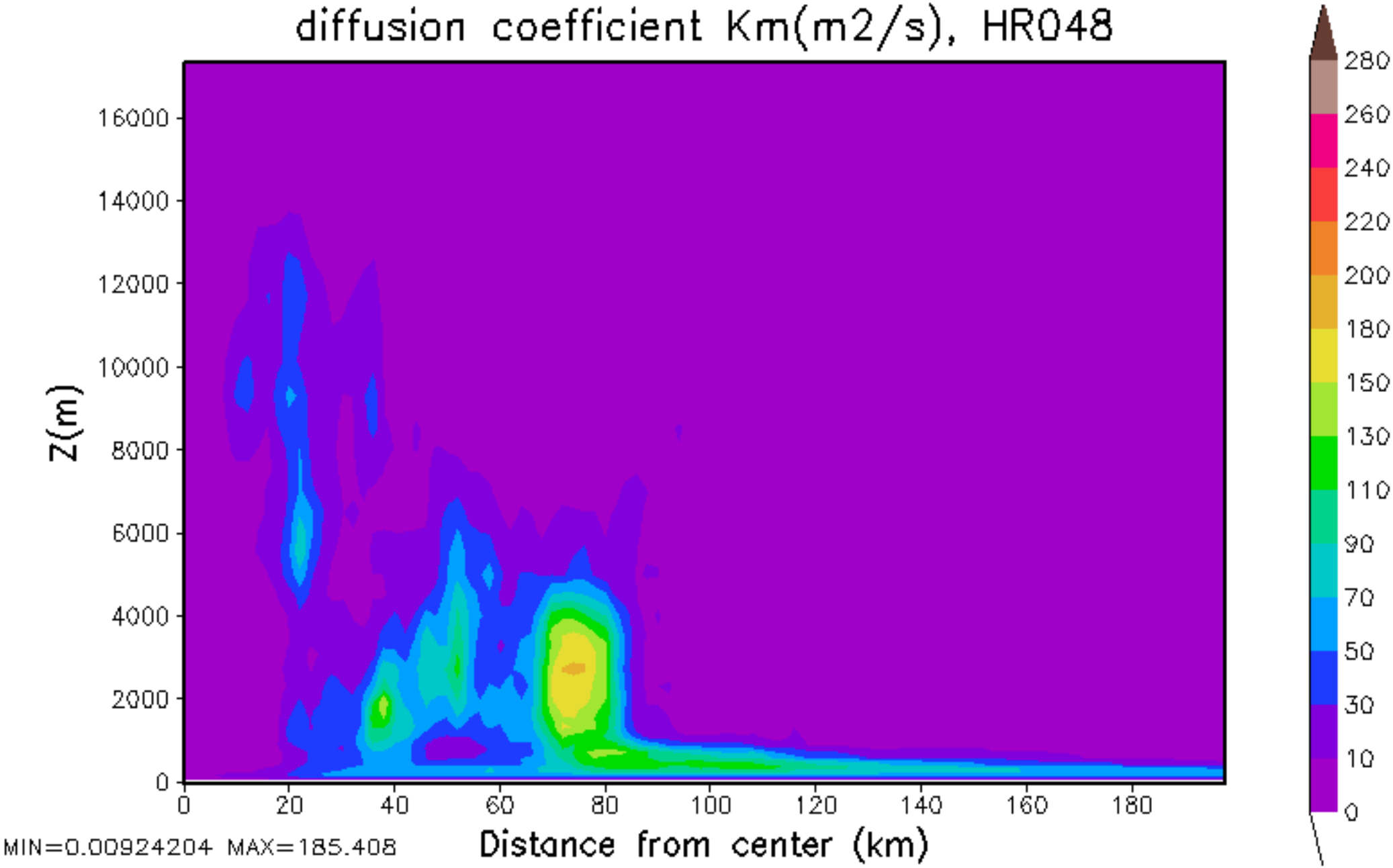
diffusion coefficient Km(m2/s), HR048
Z(m)
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14000
12000
10000
8000
6000
4000
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0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00924204 MAX=185.408
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260
240
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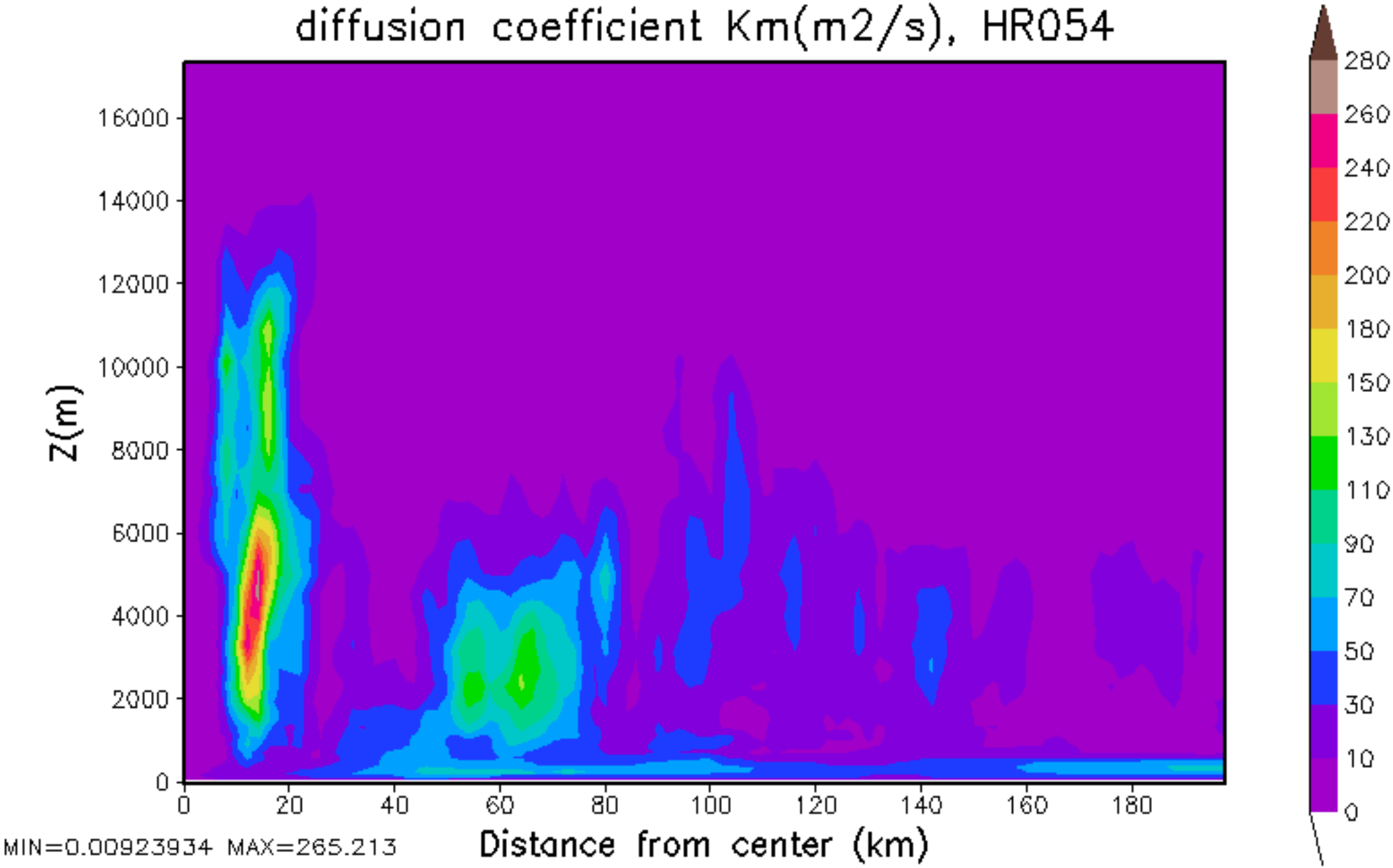
200
180
150
130
110
90
70
50
30
10
0


diffusion coefficient Km(m2/s), HR054
Z(m)
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14000
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10000
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6000
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0
20
40
60
80
100
120
140
160
180
Distance from center (km)
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260
240
220
200
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130
110
90
70
50
30
10
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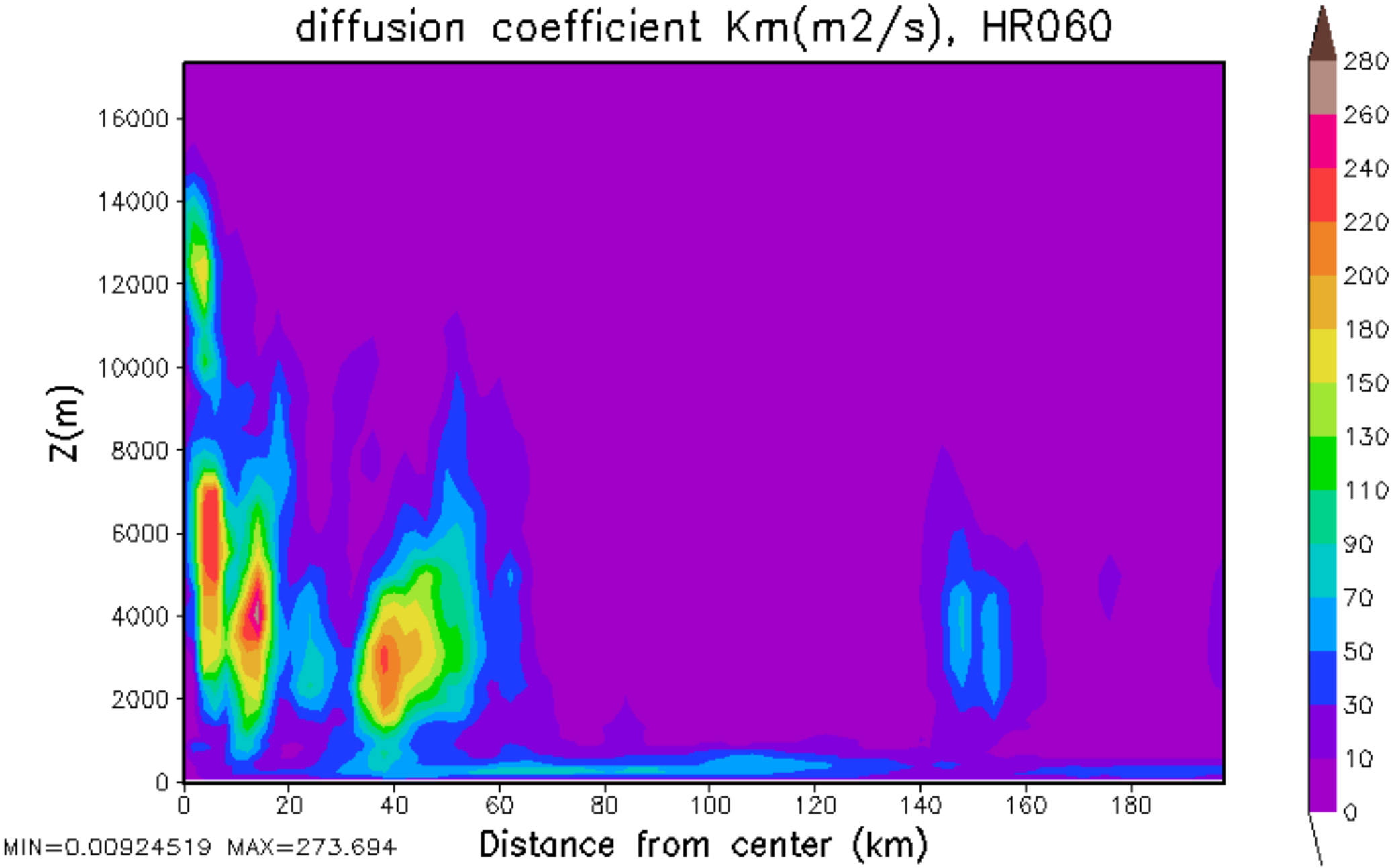
diffusion coefficient Km(m2/s), HR060
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00924519 MAX=273.694
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260
240
220
200
180
150
130
110
90
70
50
30
10
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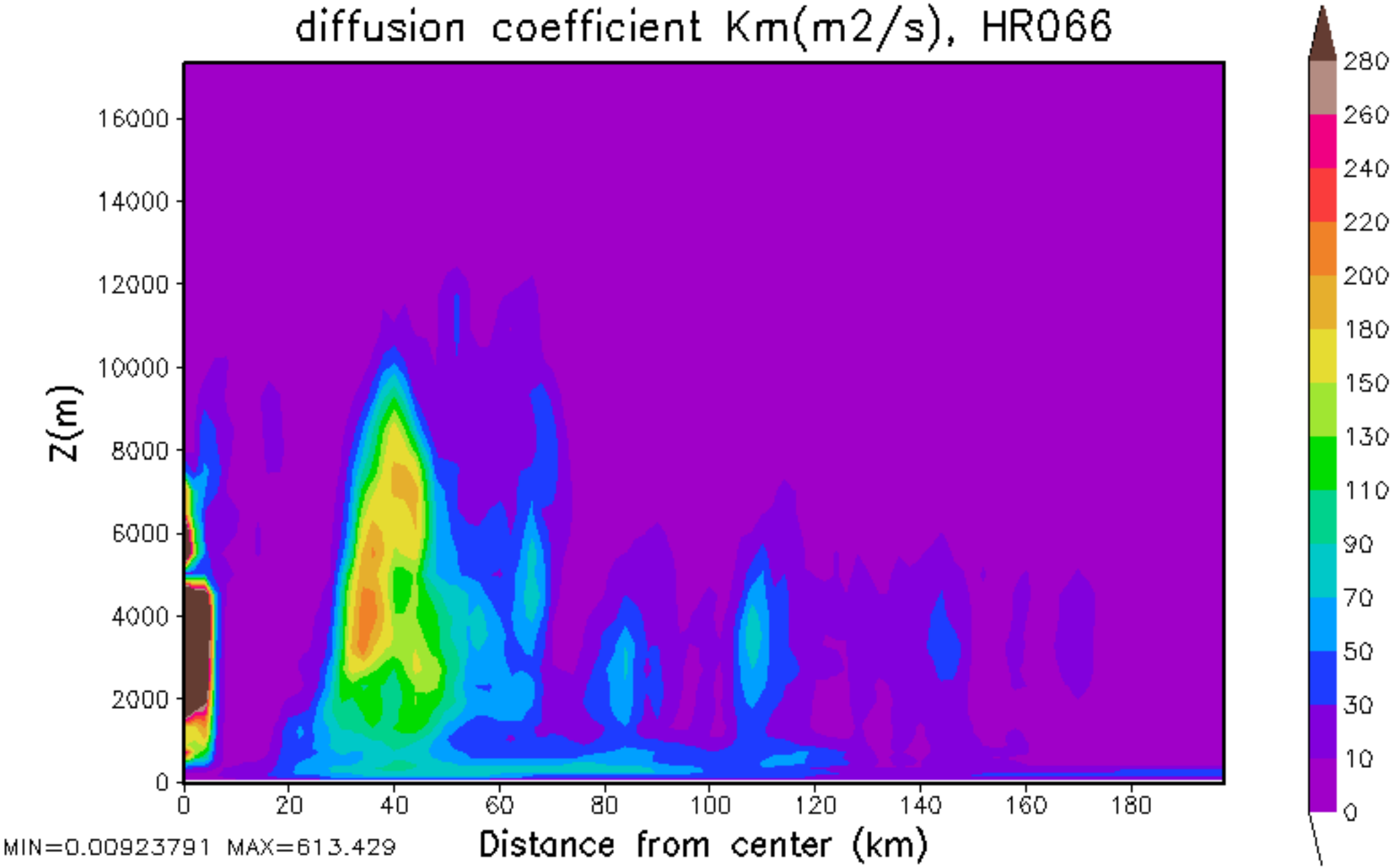
diffusion coefficient Km(m2/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
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40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00923791 MAX=613.429
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260
240
220
200
180
150
130
110
90
70
50
30
10
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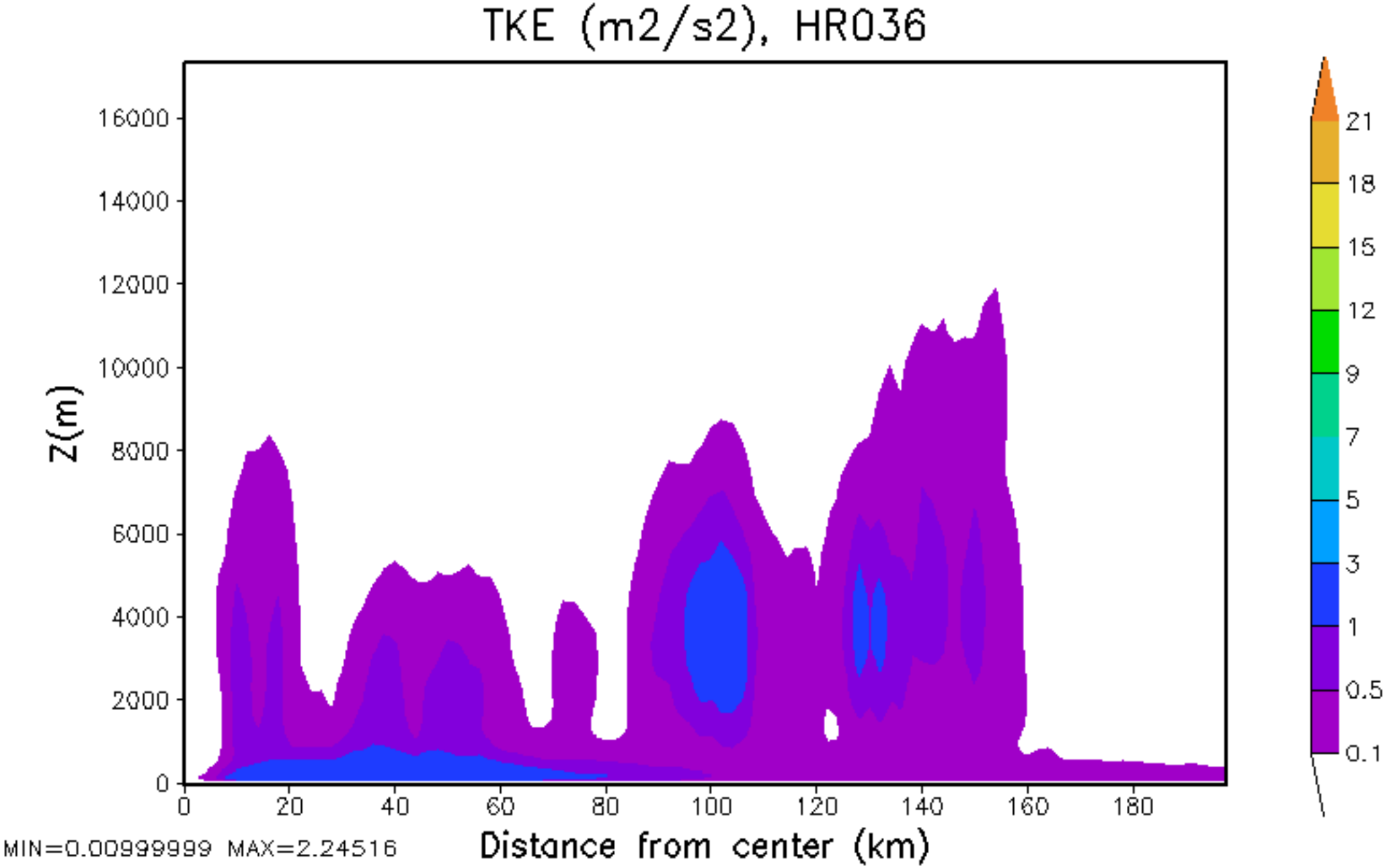
TKE (m2/s2), HR036
Z(m)
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12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
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18
15
12
9
7
5
3
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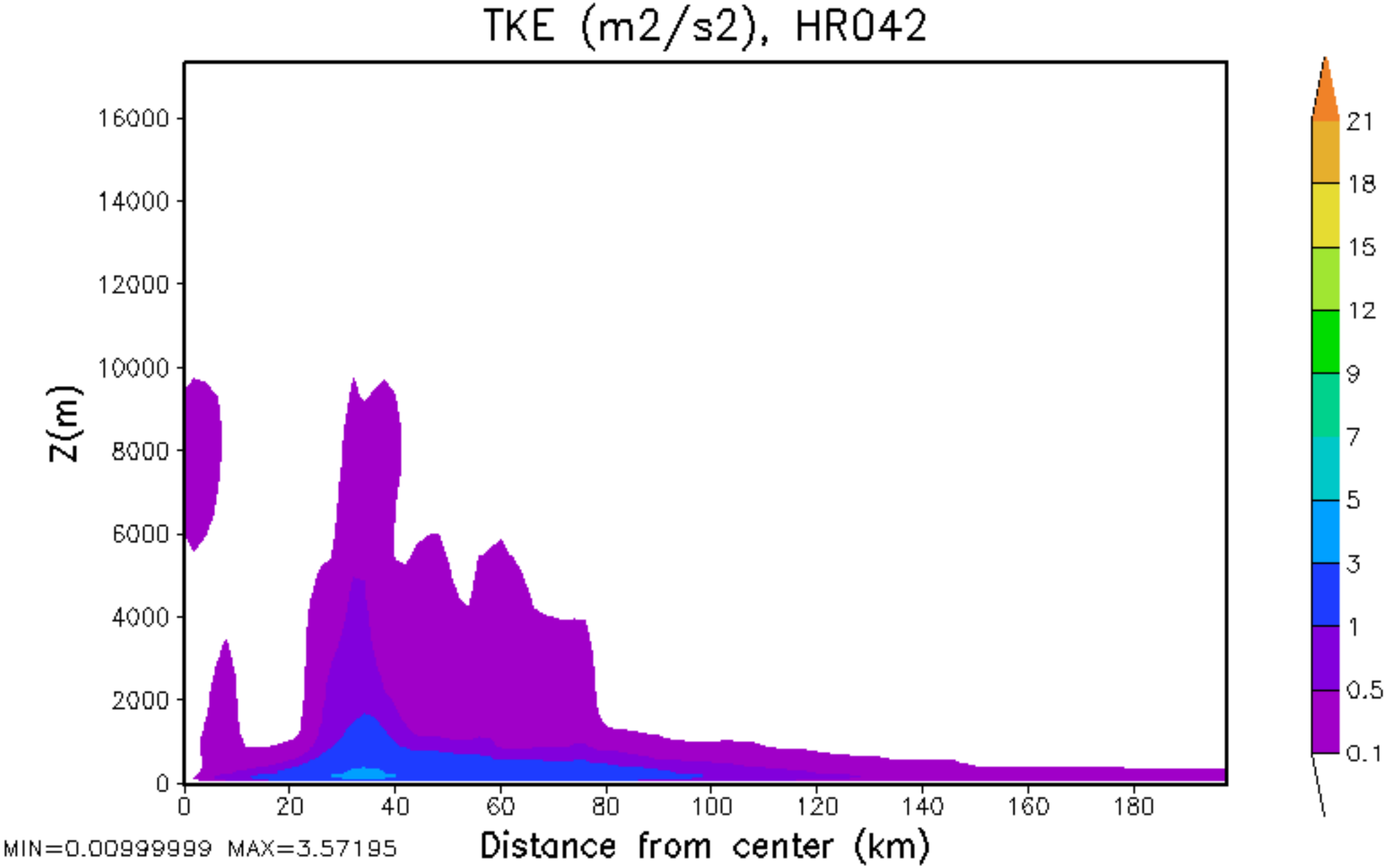
0.5
0.1
MIN=0.00999999 MAX=2.24516


TKE (m2/s2), HR042
Z(m)
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10000
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6000
4000
2000
0
0
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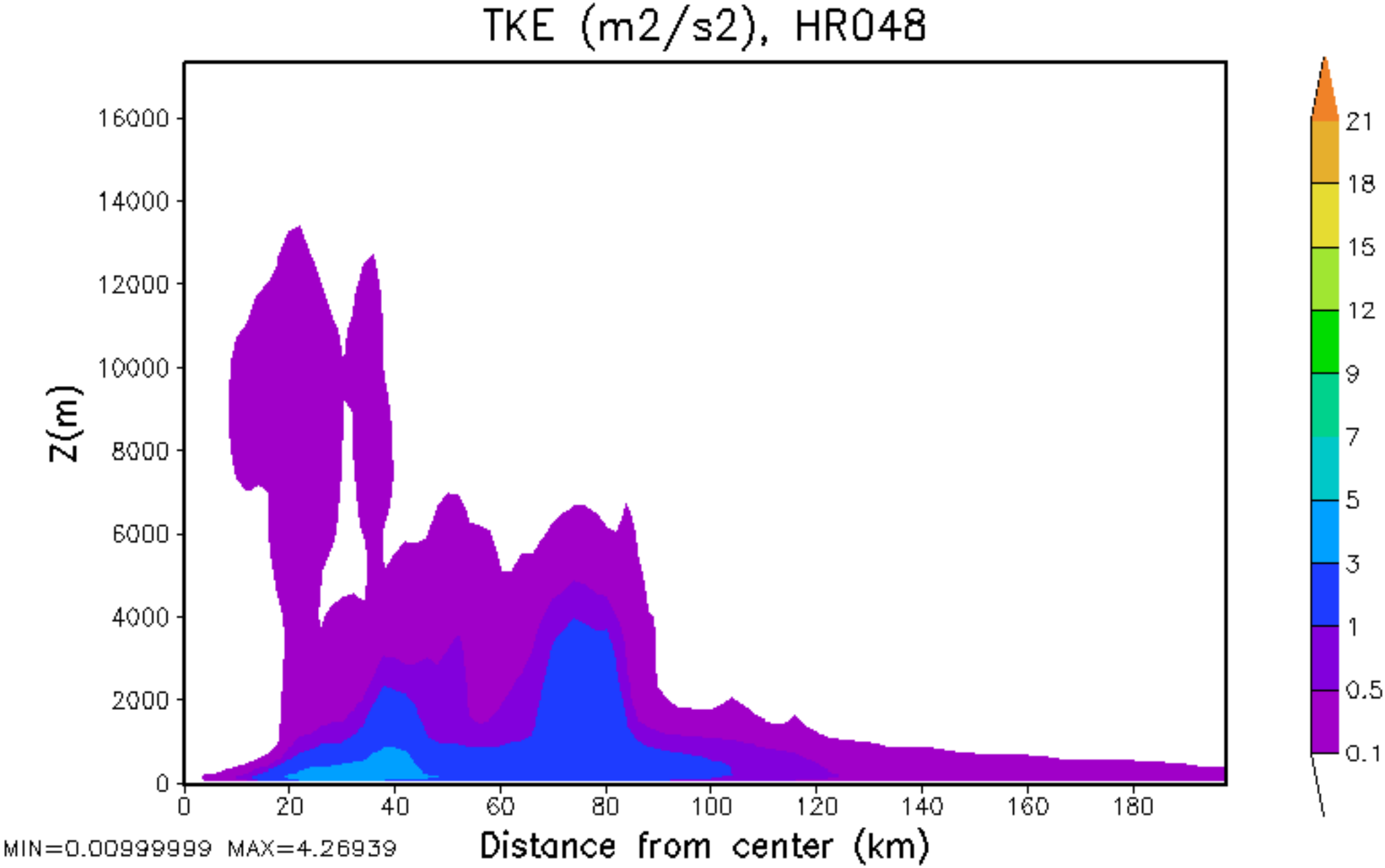
40
60
80
100
120
140
160
180
Distance from center (km)
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=3.57195


TKE (m2/s2), HR048
Z(m)
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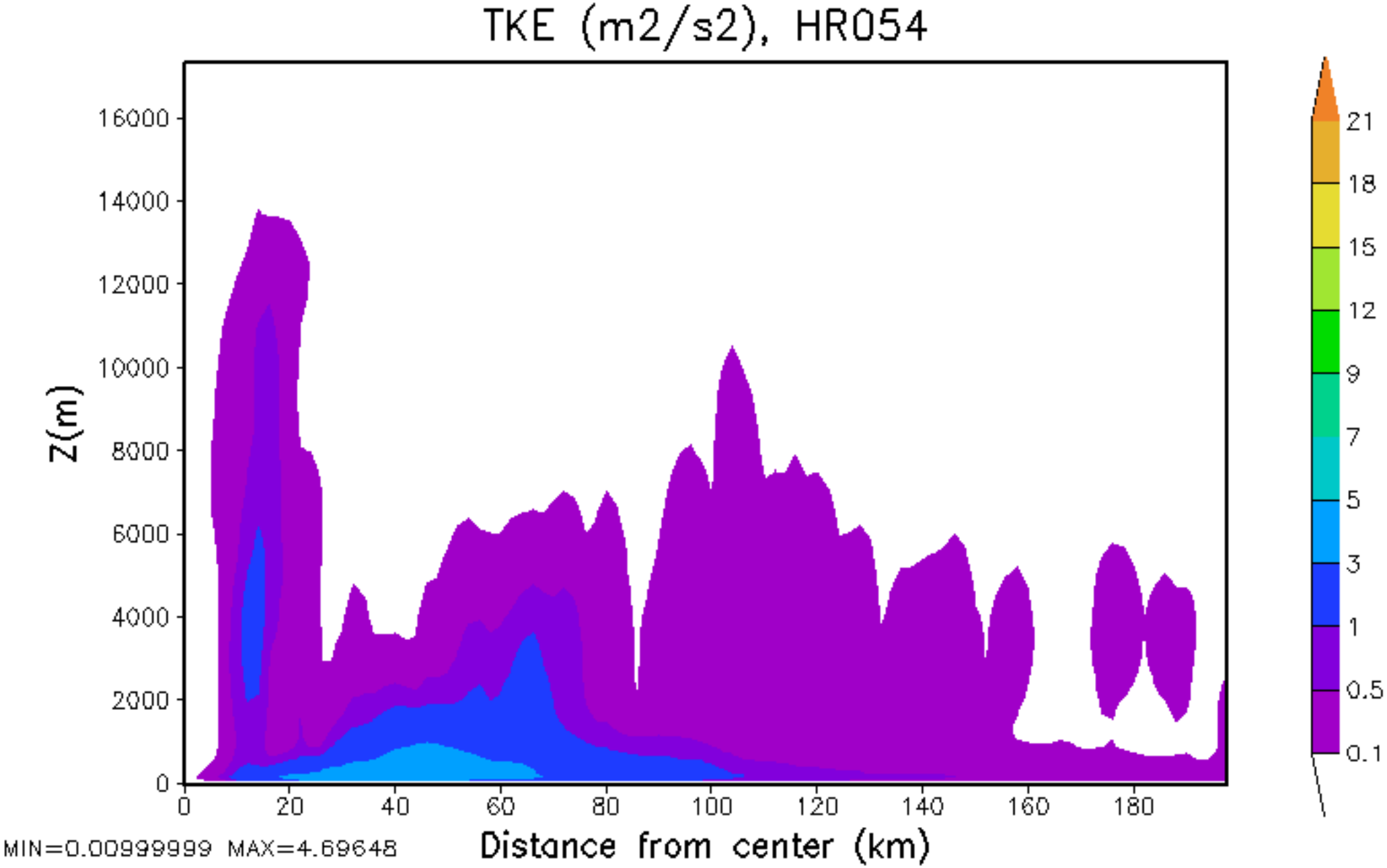
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=4.26939


TKE (m2/s2), HR054
Z(m)
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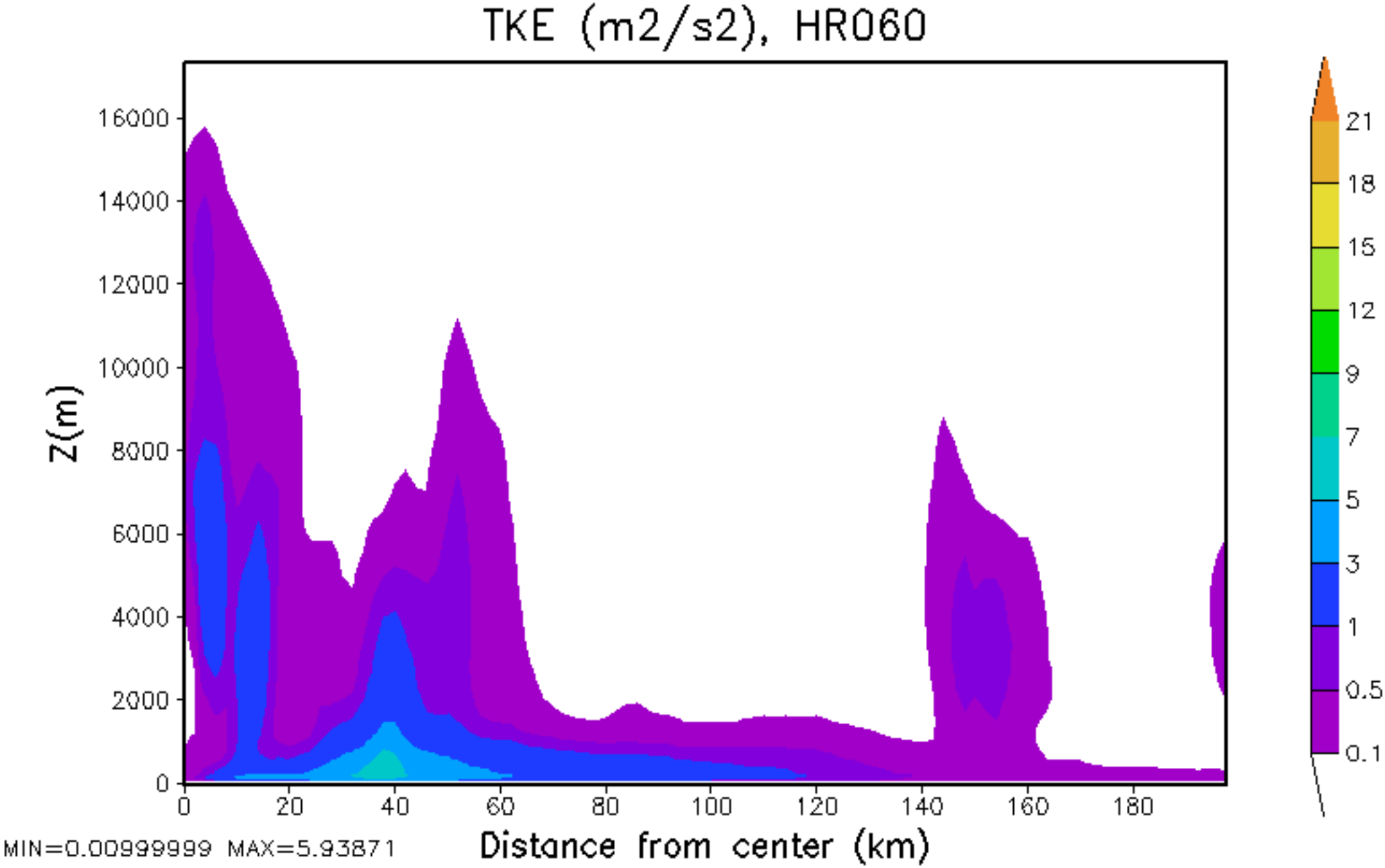
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=4.69648


TKE (m2/s2), HR060
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
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18
15
12
9
7
5
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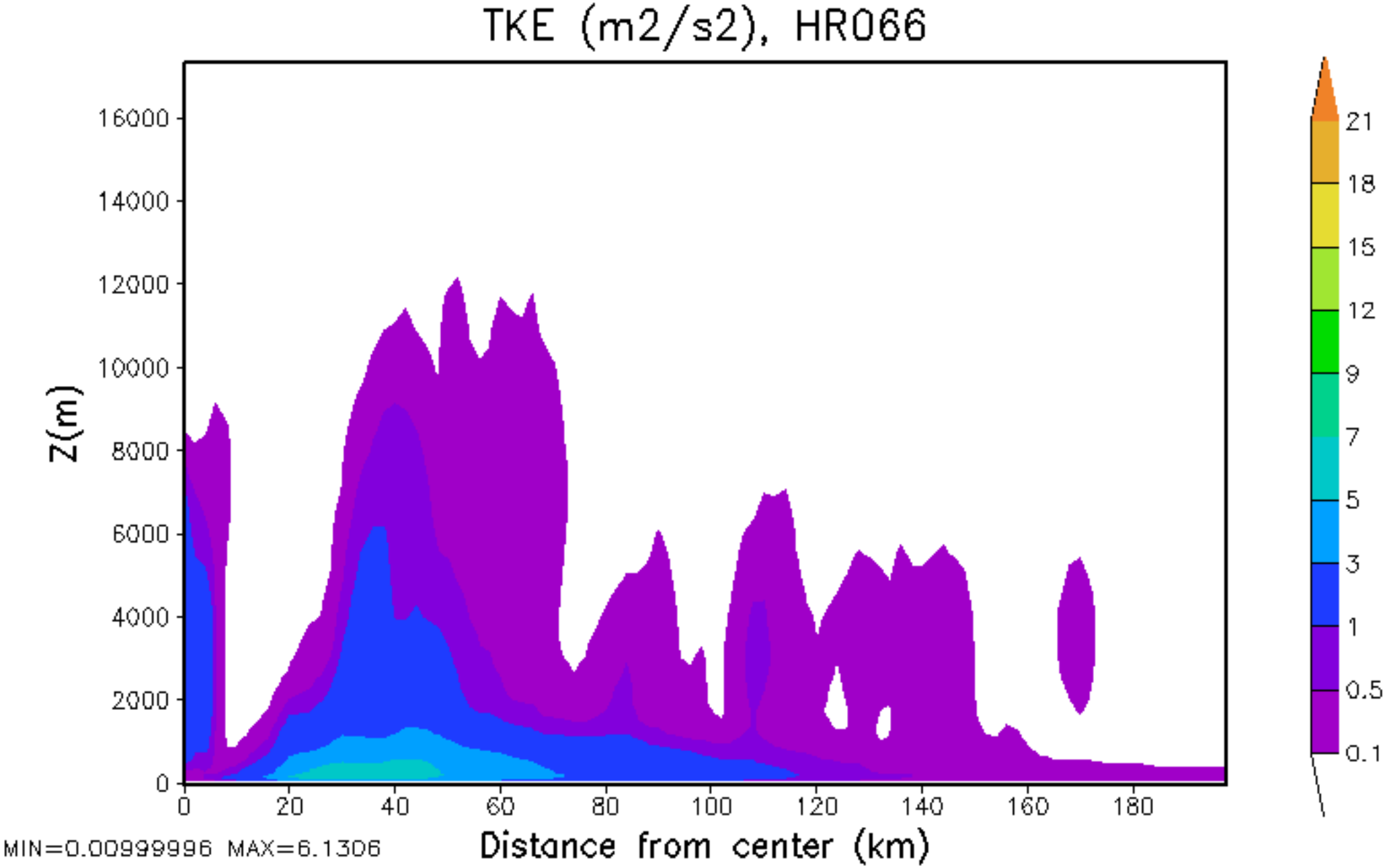
TKE (m2/s2), HR066
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999996 MAX=6.1306

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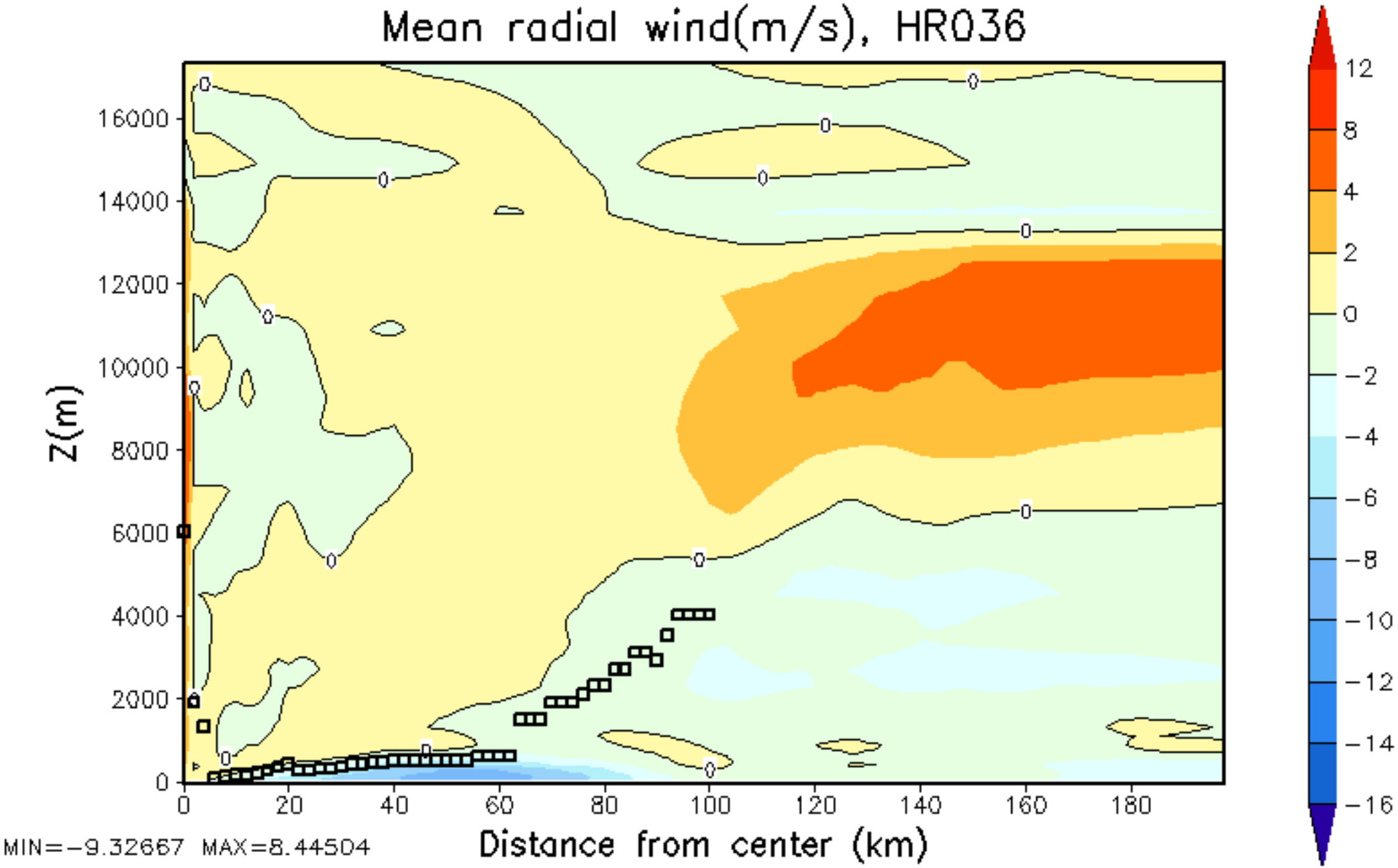
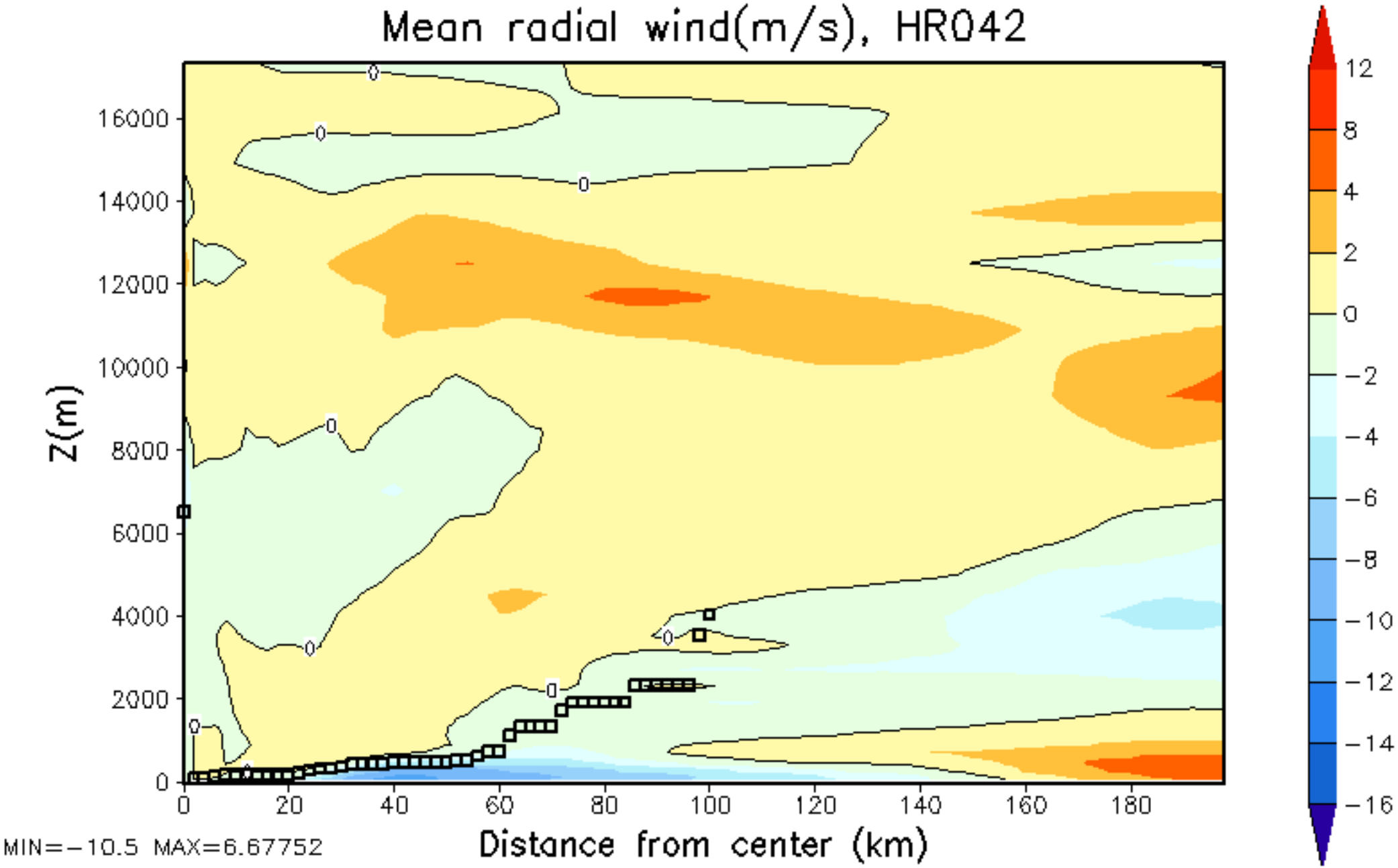

Mean radial wind(m/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-9.32667 MAX=8.44504
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16


Mean radial wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−10.5 MAX=6.67752
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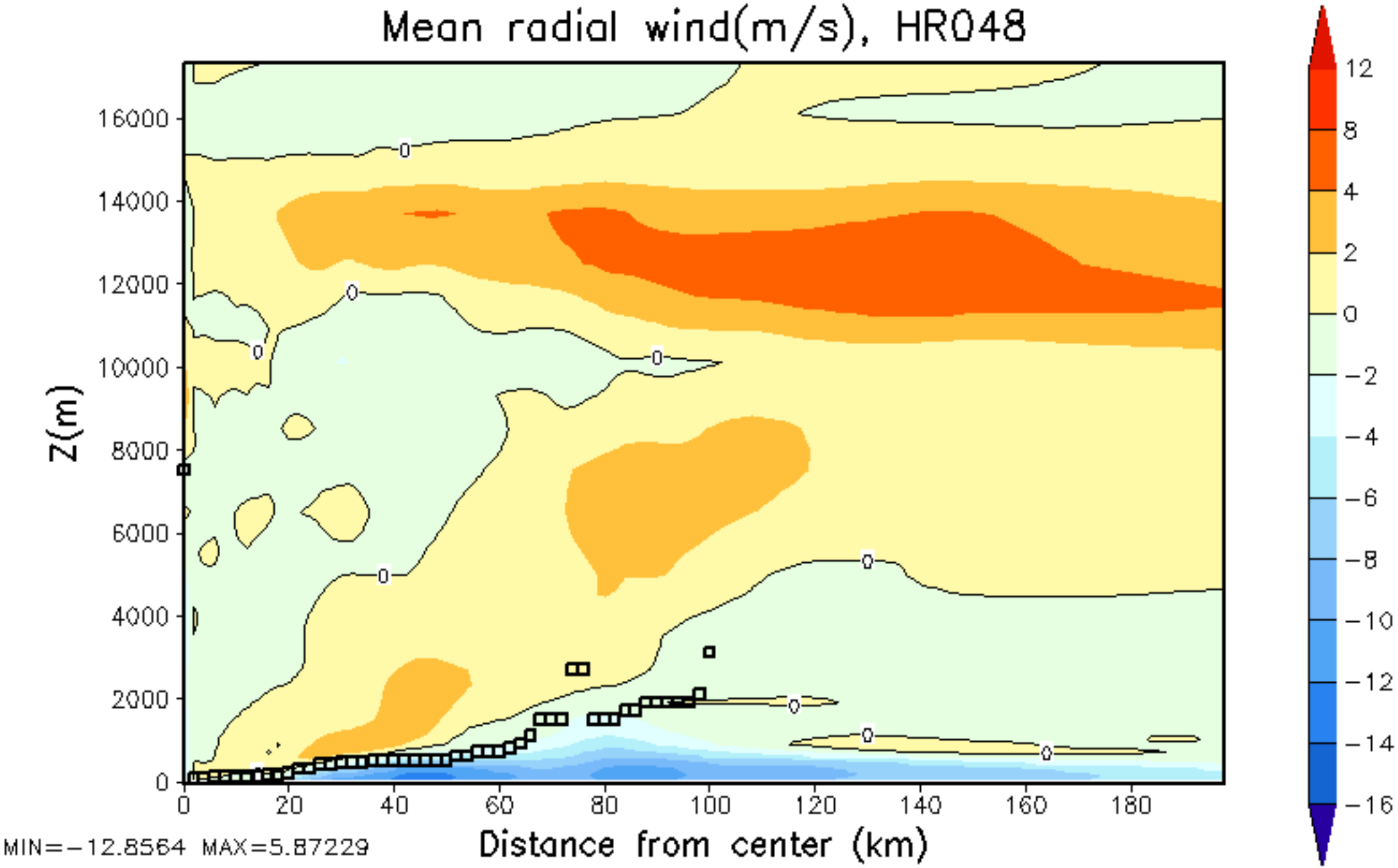
8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16


Mean radial wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-12.8564 MAX=5.87229
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8
4
2
0
-2
-4
-6
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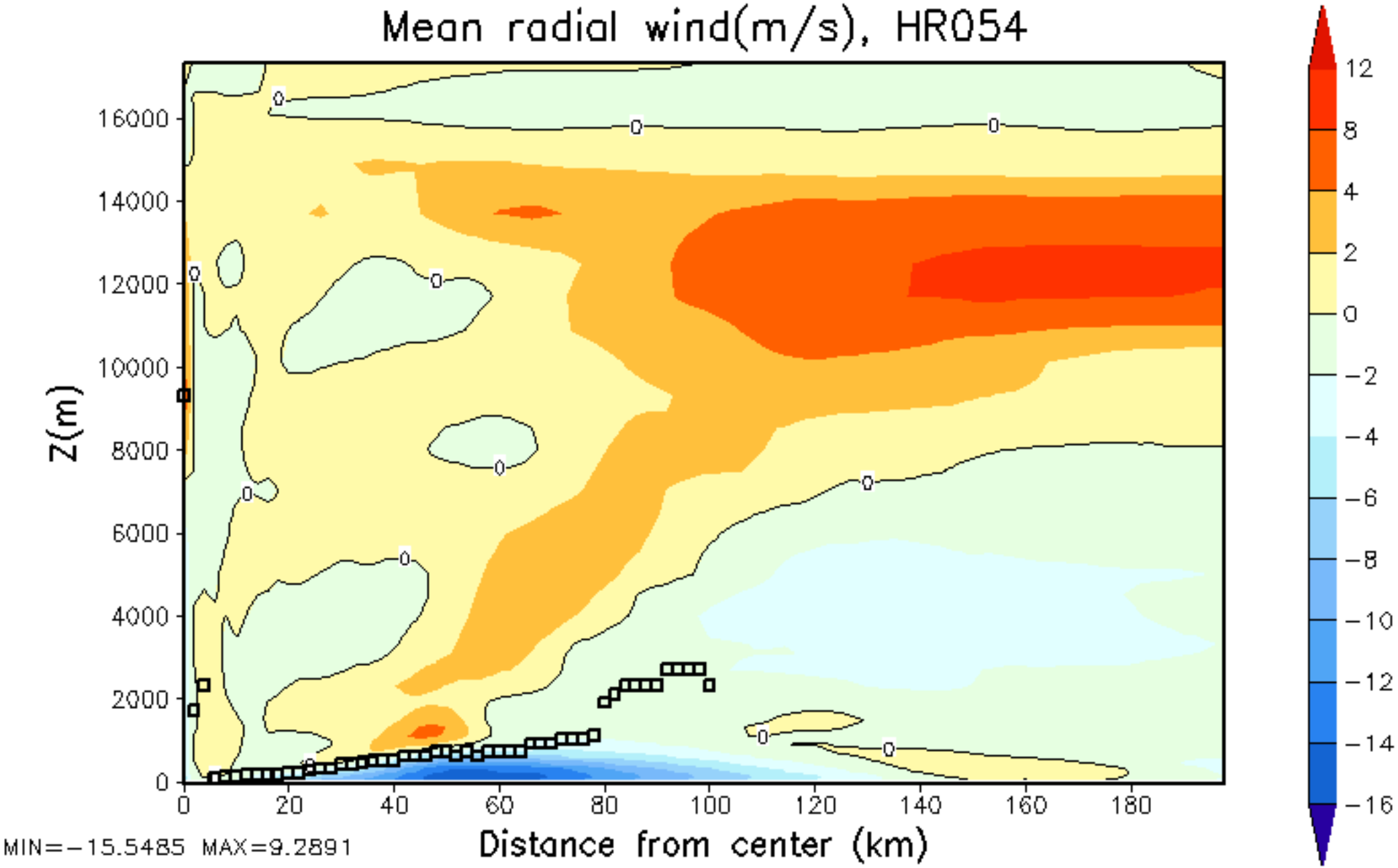
-10
-12
-14
-16


Mean radial wind(m/s), HR054
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−15.5485 MAX=9.2891
12
8
4
2
0
−2
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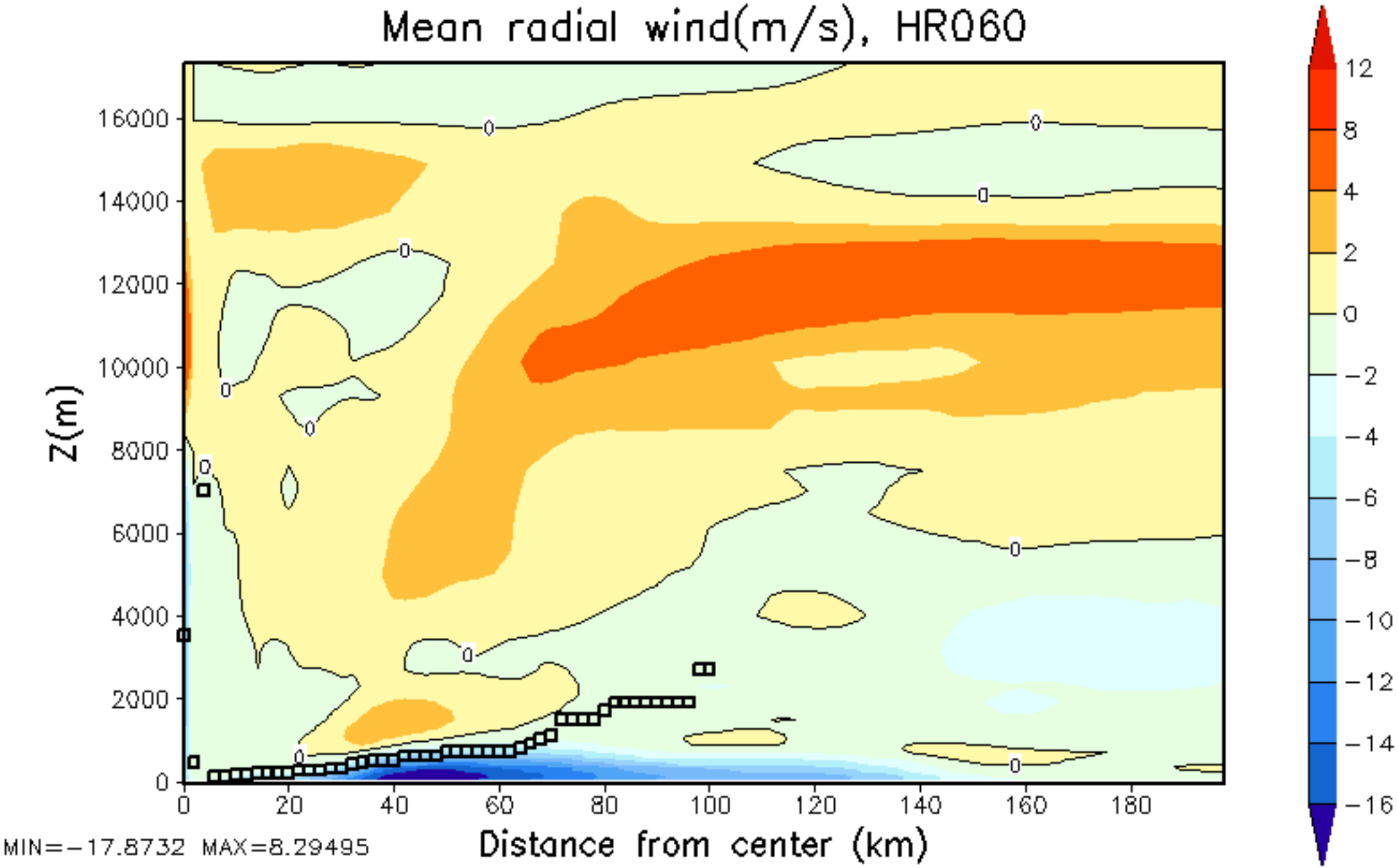
−6
−8
−10
−12
−14
−16


Mean radial wind(m/s), HR060
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−17.8732 MAX=8.29495
12
8
4
2
0
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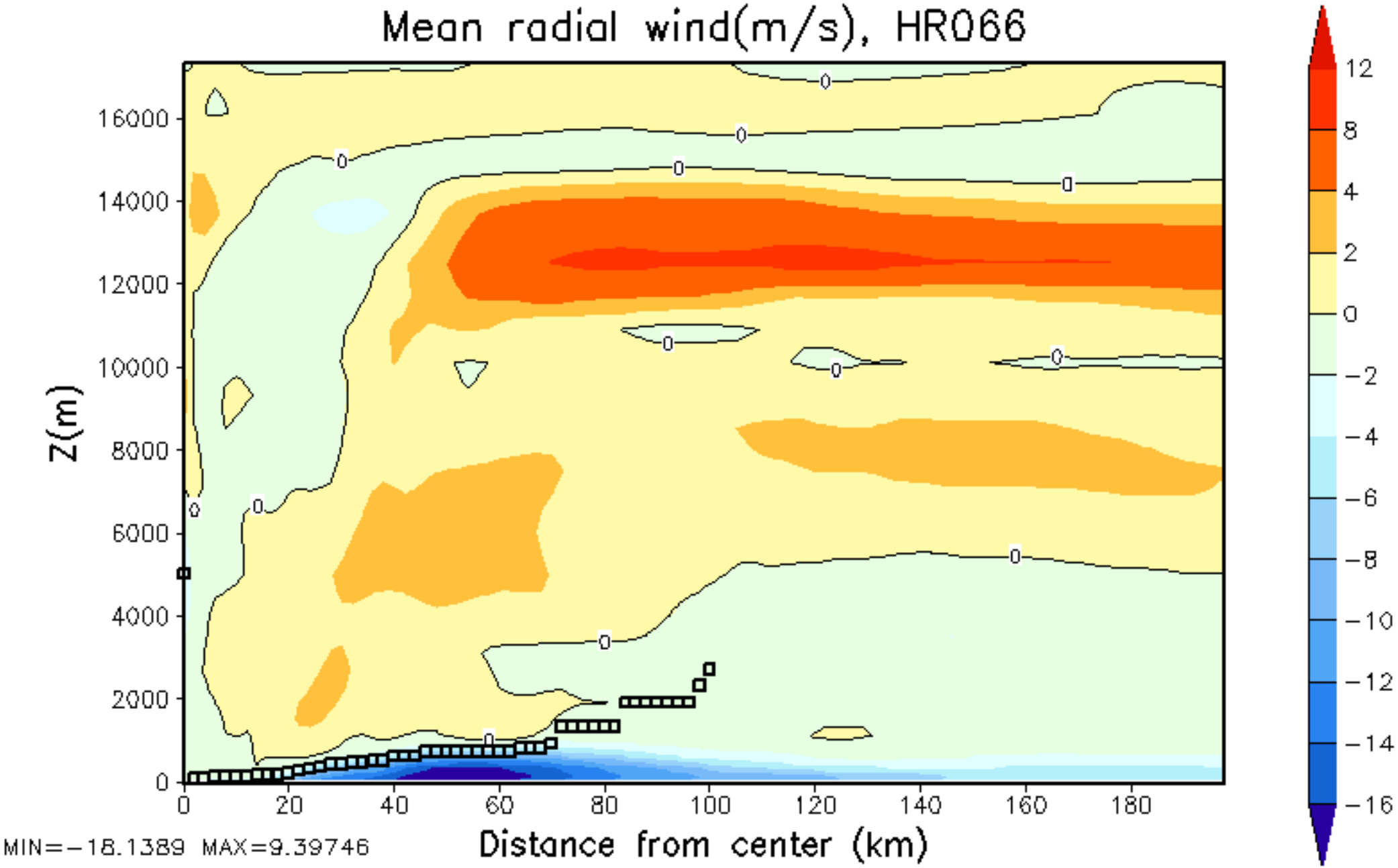
−6
−8
−10
−12
−14
−16


Mean radial wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-18.1389 MAX=9.39746
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

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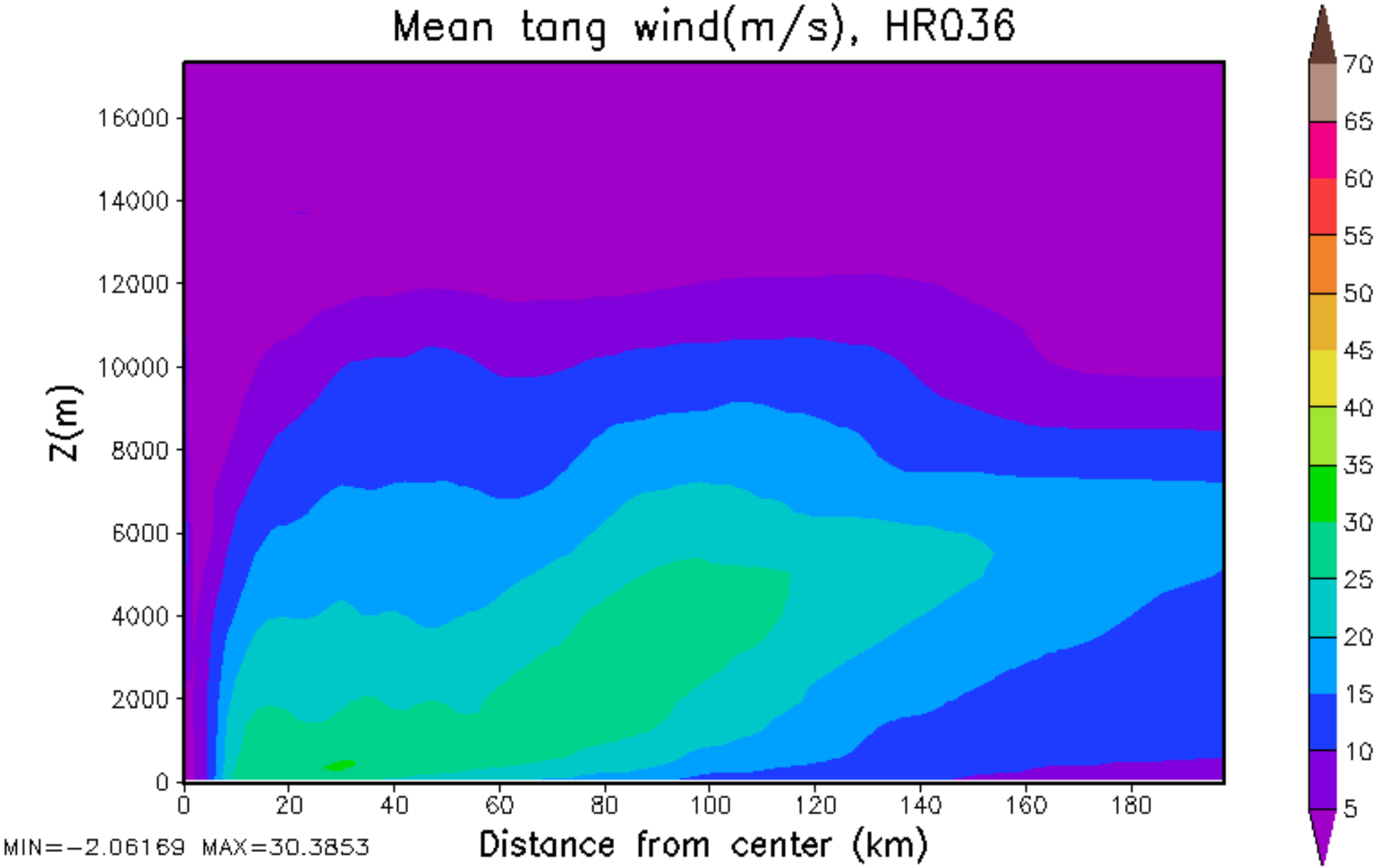
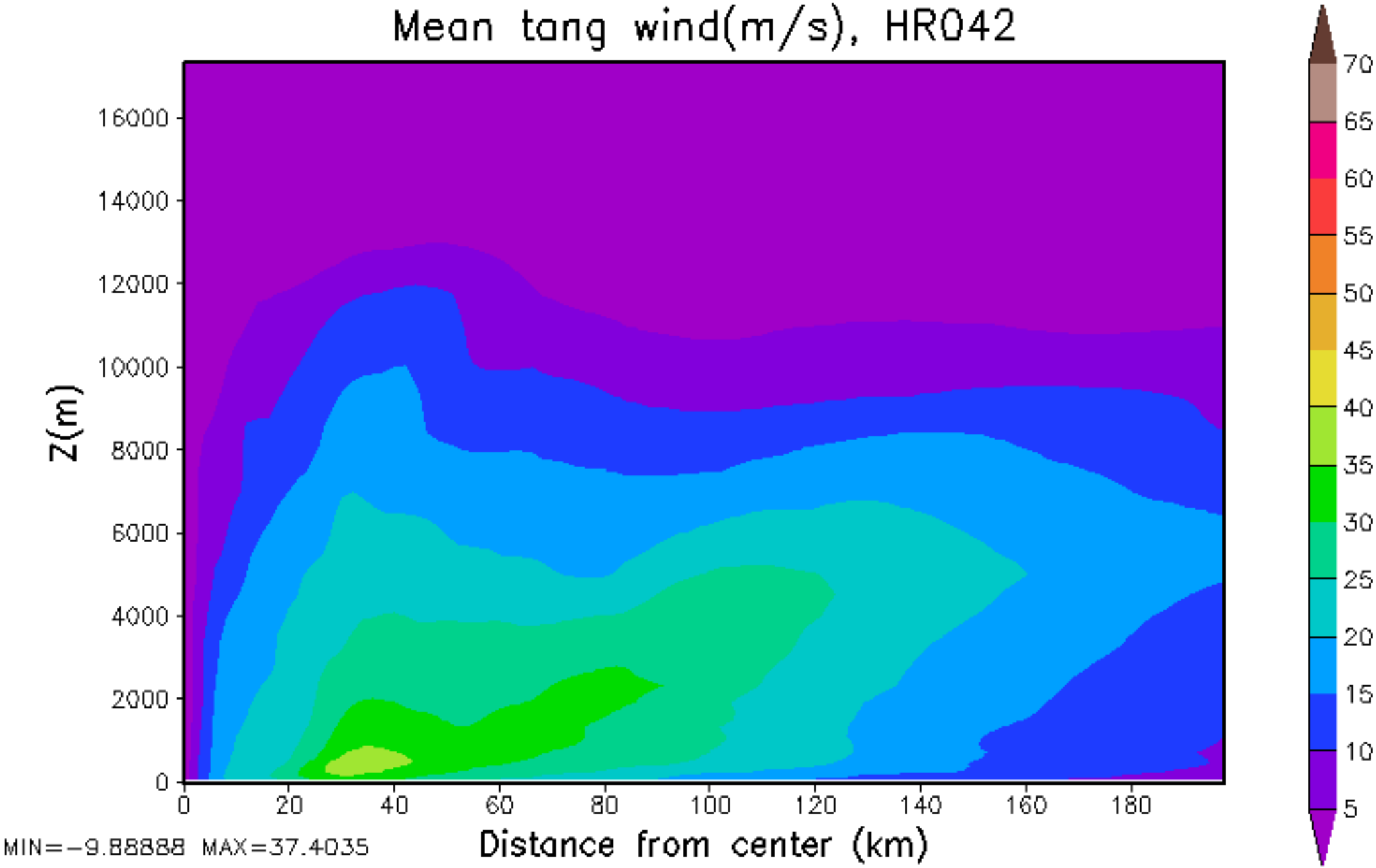
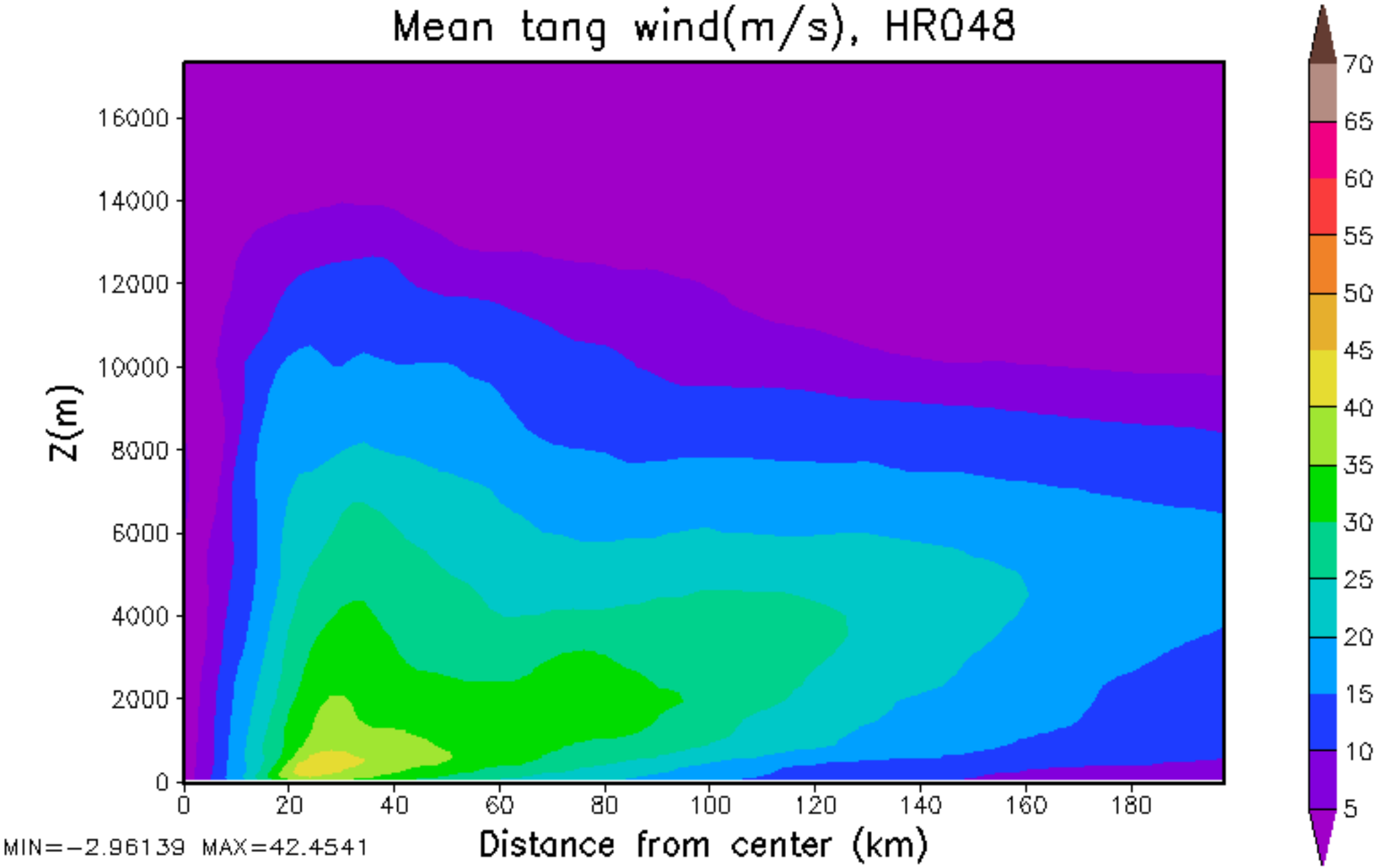
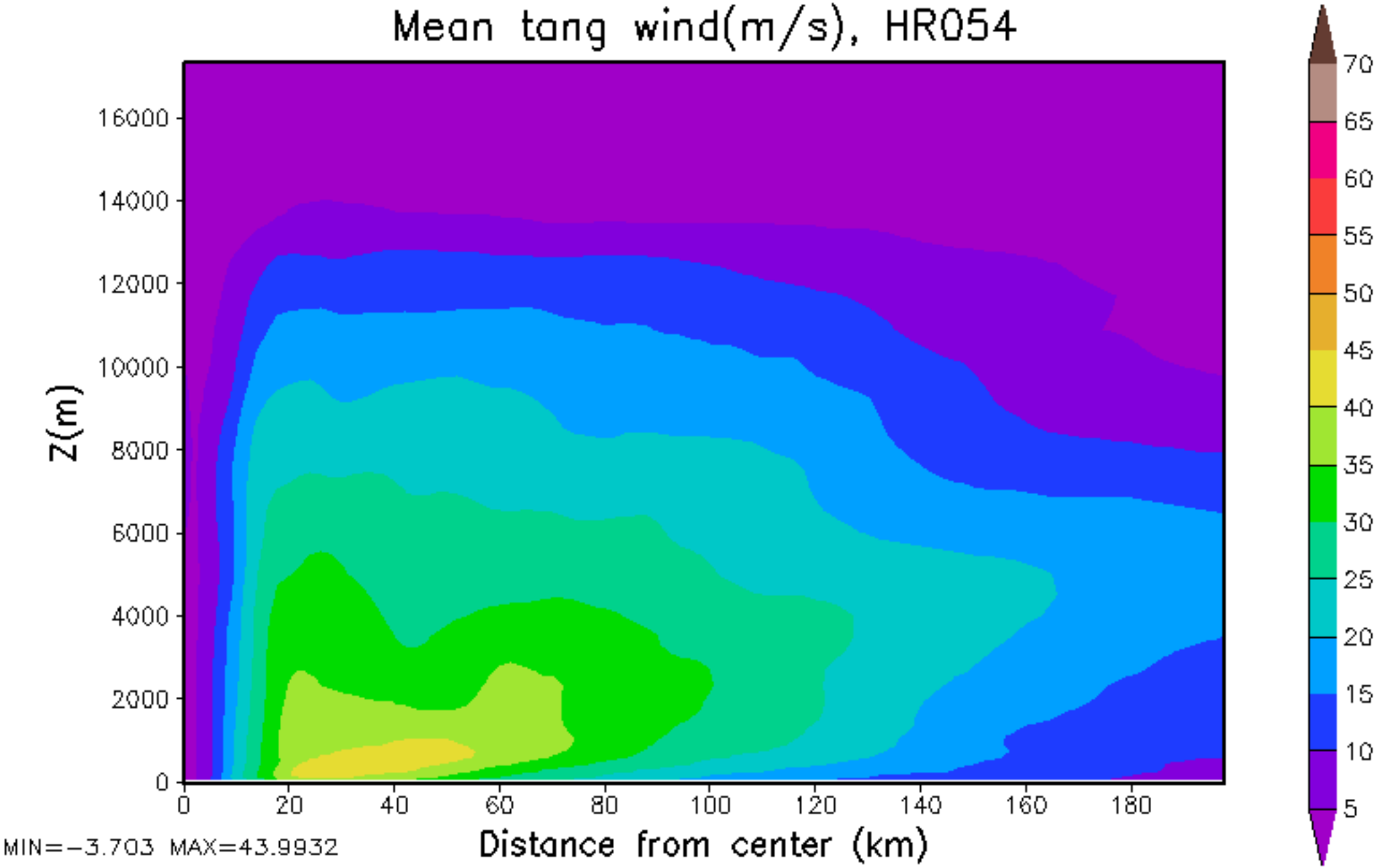
MIN= MAX=

MIN= MAX=


Mean tang wind(m/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.06169 MAX=30.3853
70
65
60
55
50
45
40
35
30
25
20
15
10
5


Mean tang wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-9.88888 MAX=37.4035
70
65
60
55
50
45
40
35
30
25
20
15
10
5


Mean tang wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.96139 MAX=42.4541
70
65
60
55
50
45
40
35
30
25
20
15
10
5


Mean tang wind(m/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-3.703 MAX=43.9932
70
65
60
55
50
45
40
35
30
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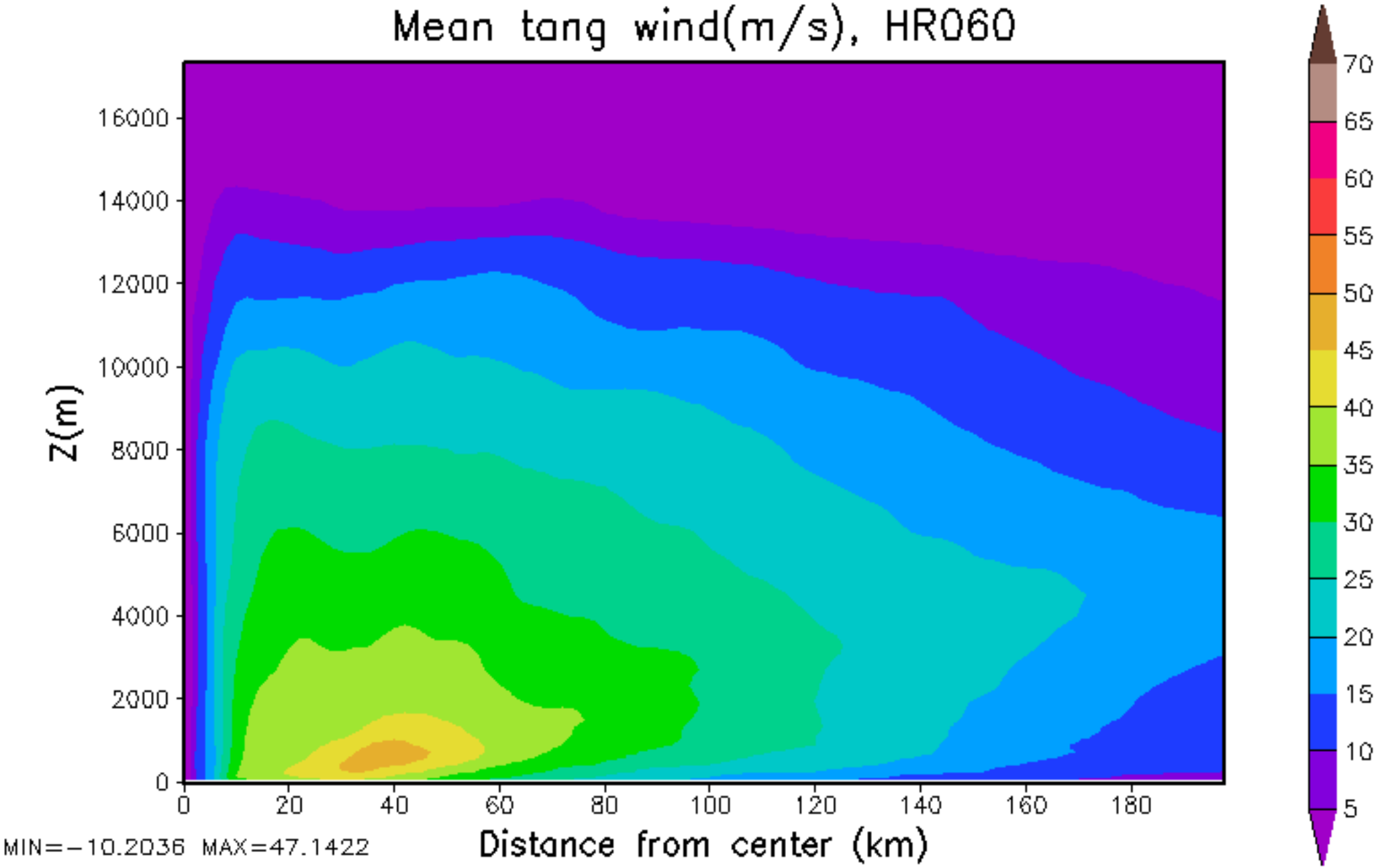
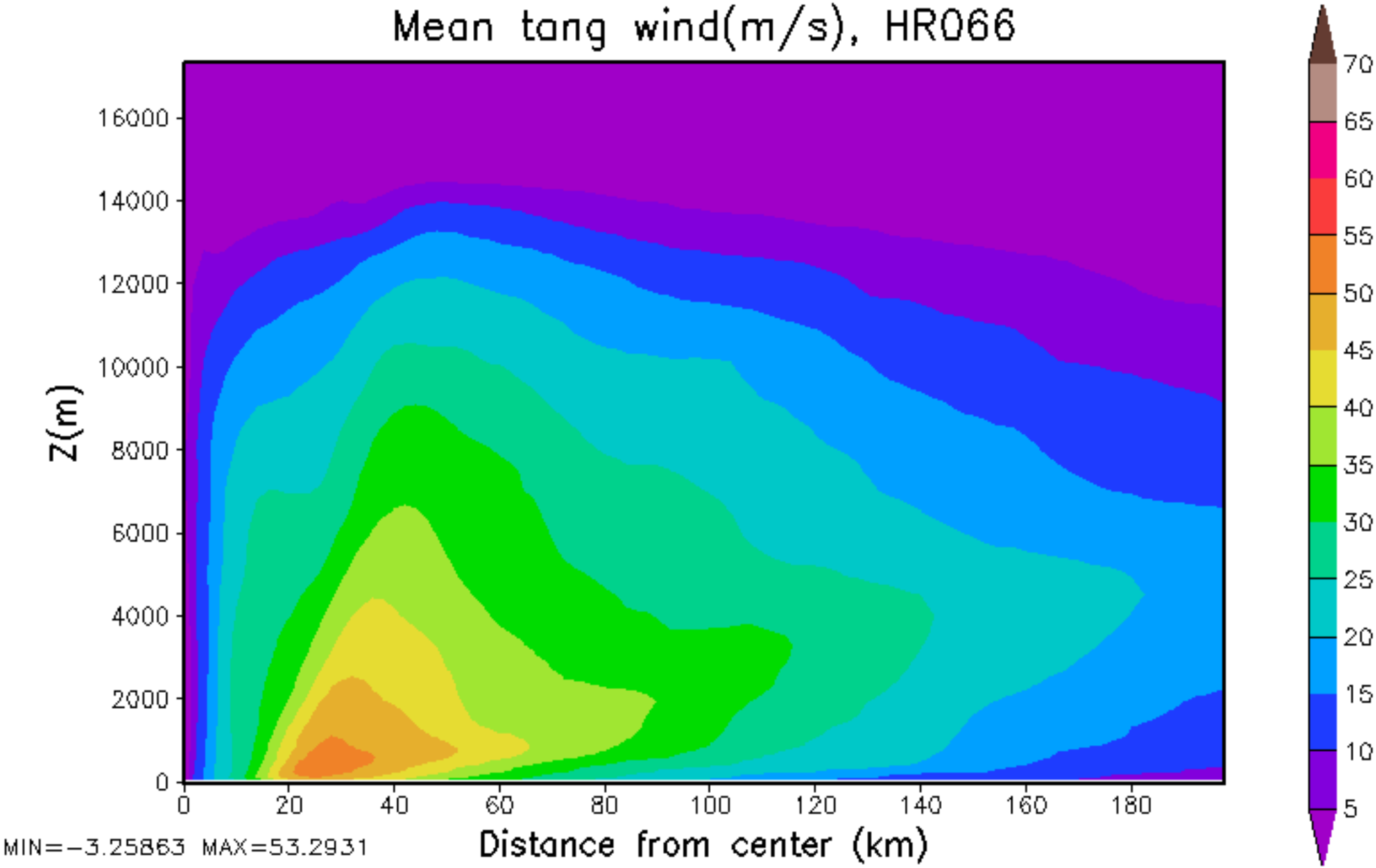
20
15
10
5


Mean tang wind(m/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-10.2036 MAX=47.1422
70
65
60
55
50
45
40
35
30
25
20
15
10
5


Mean tang wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-3.25863 MAX=53.2931
70
65
60
55
50
45
40
35
30
25
20
15
10
5

MIN= MAX=

MIN= MAX=

MIN= MAX=

MIN= MAX=

MIN= MAX=

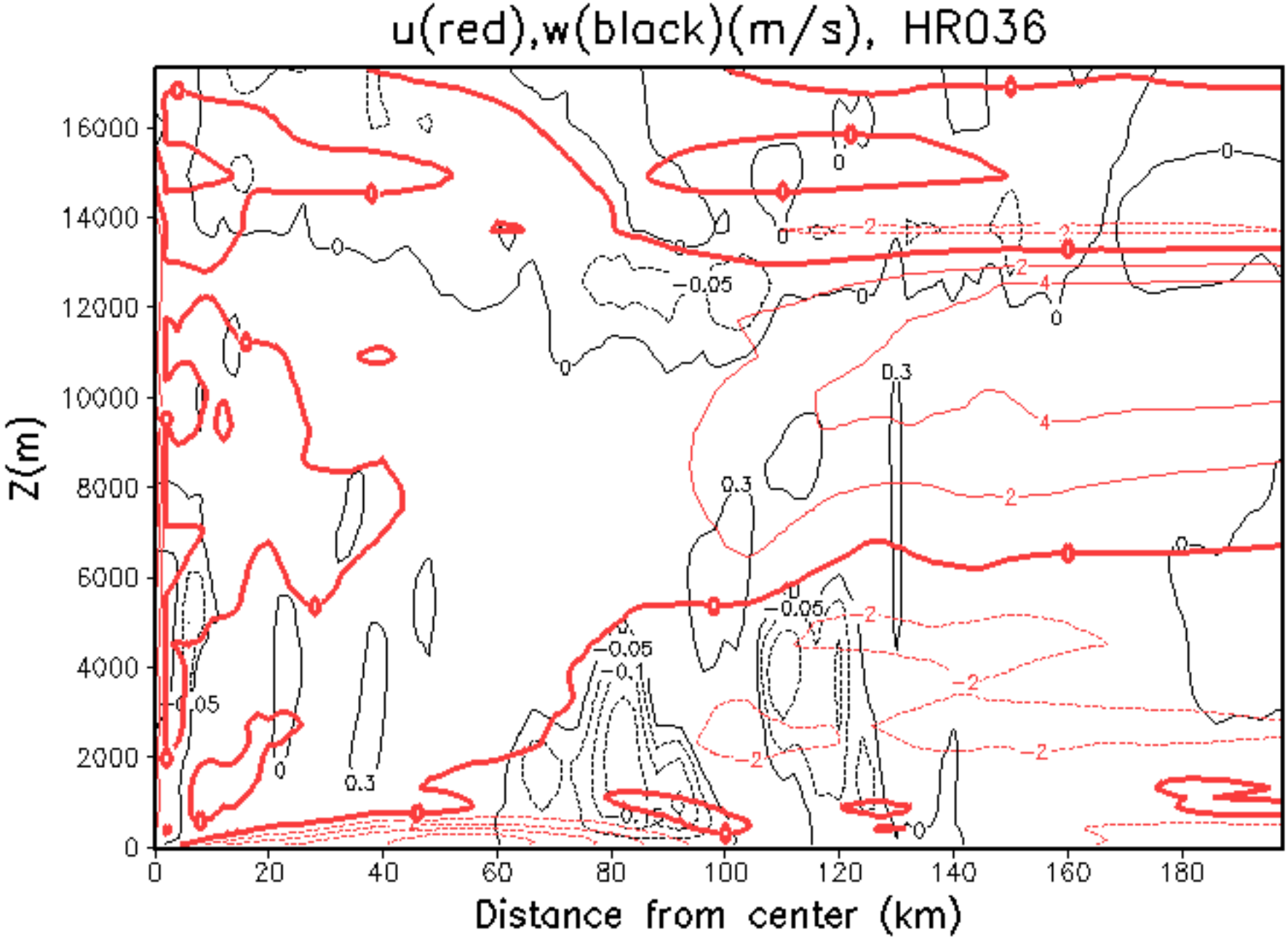
MIN= MAX=

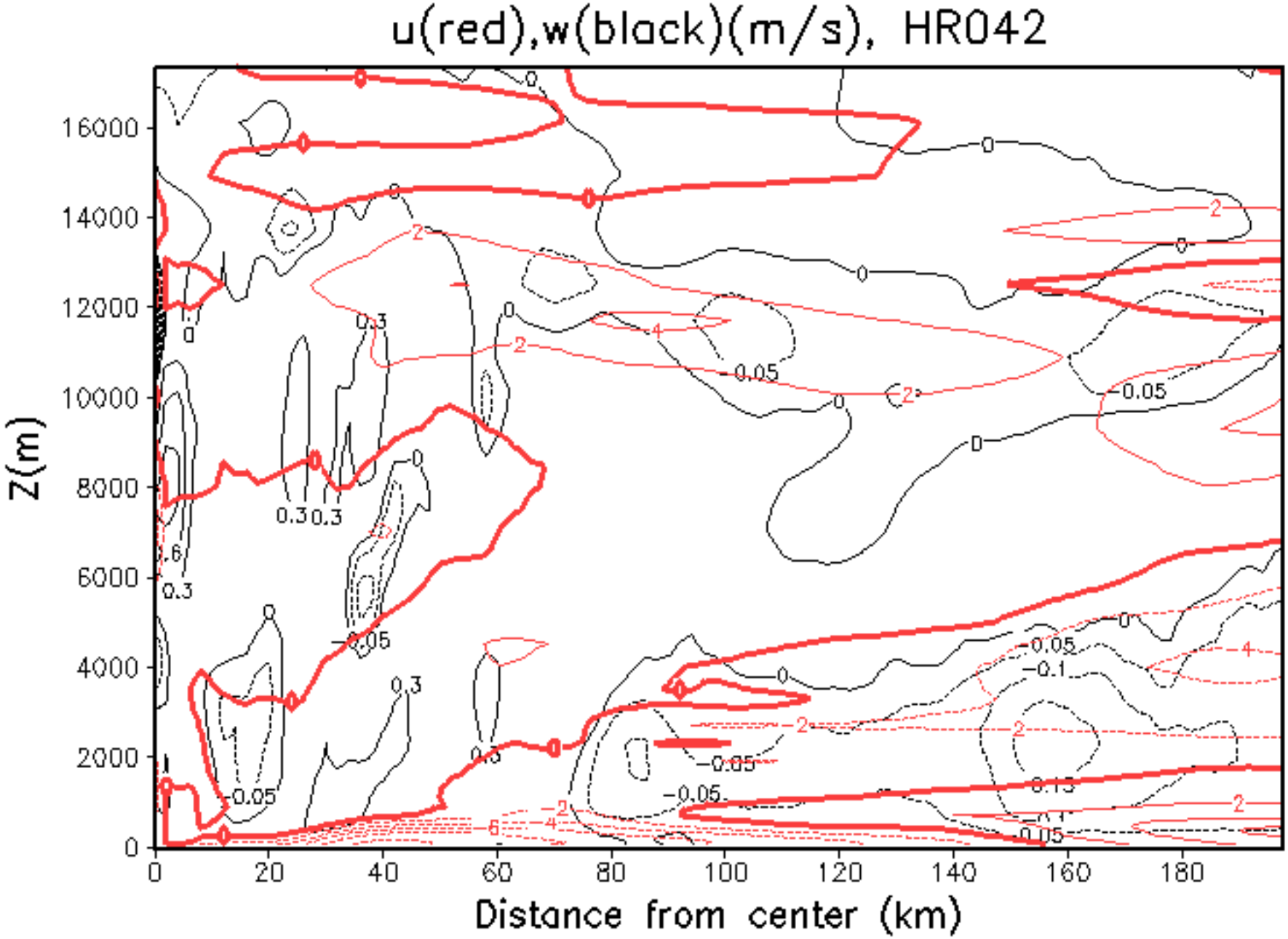
MIN= MAX=

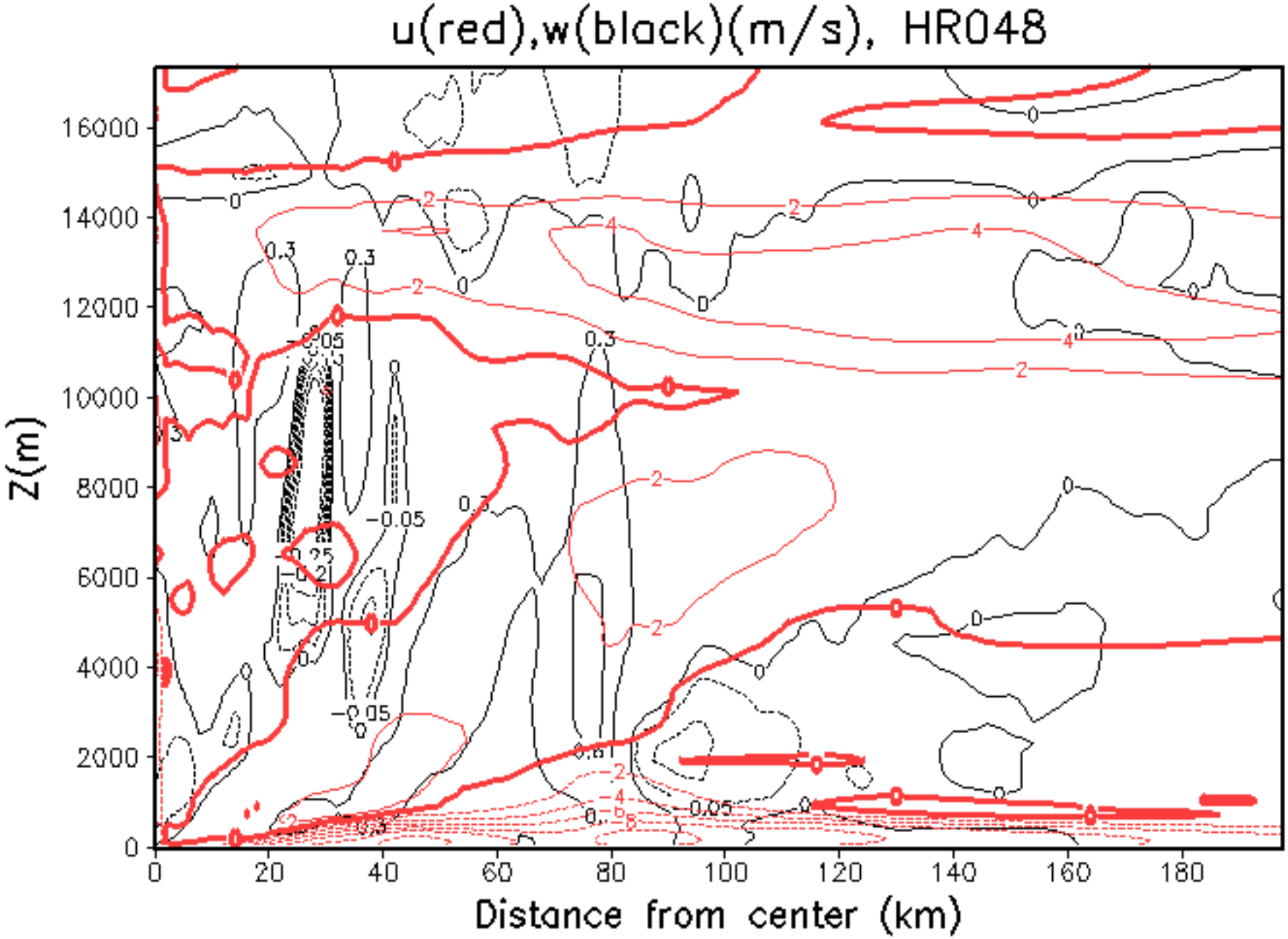
MIN= MAX=

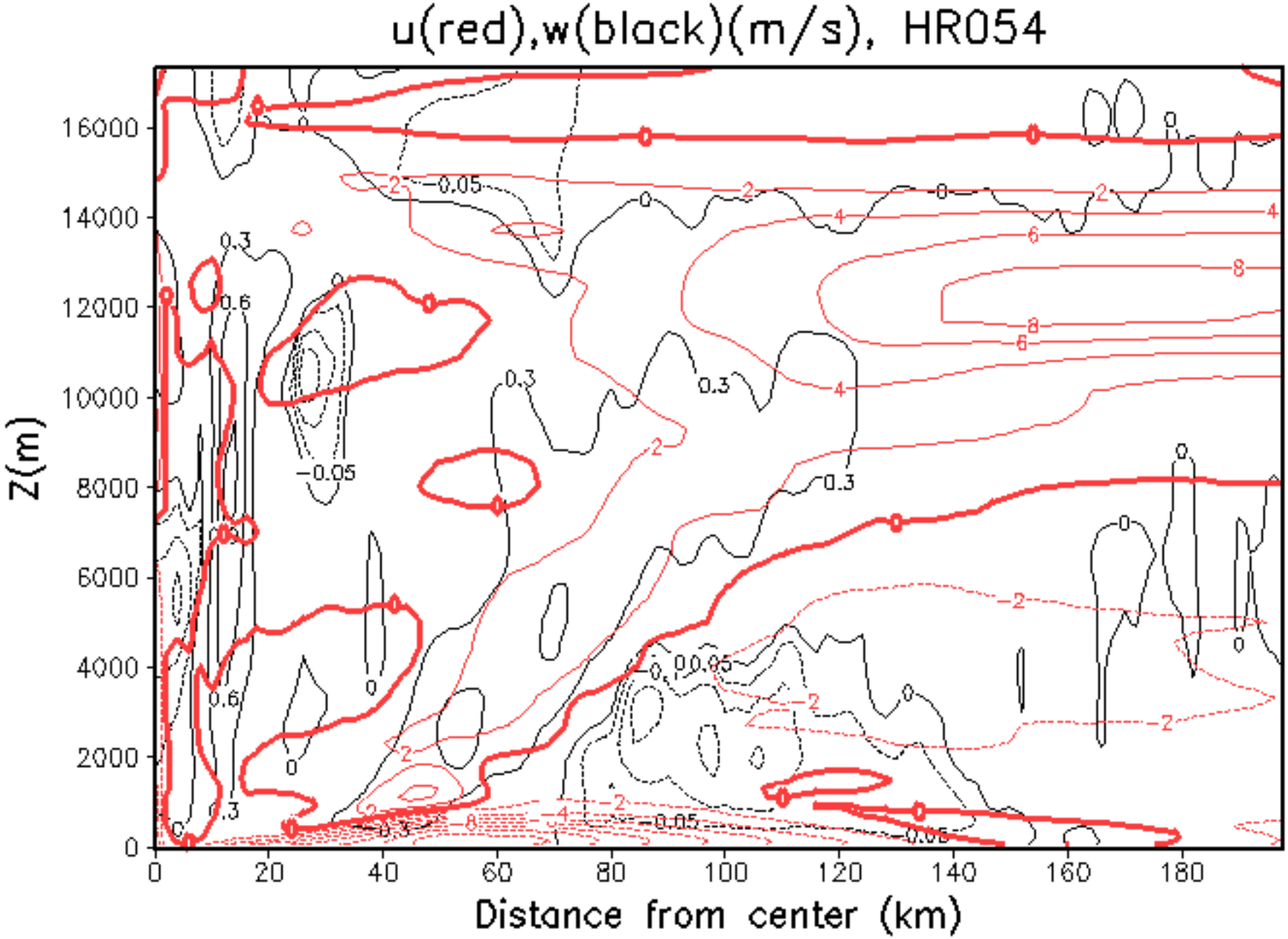
MIN= MAX=

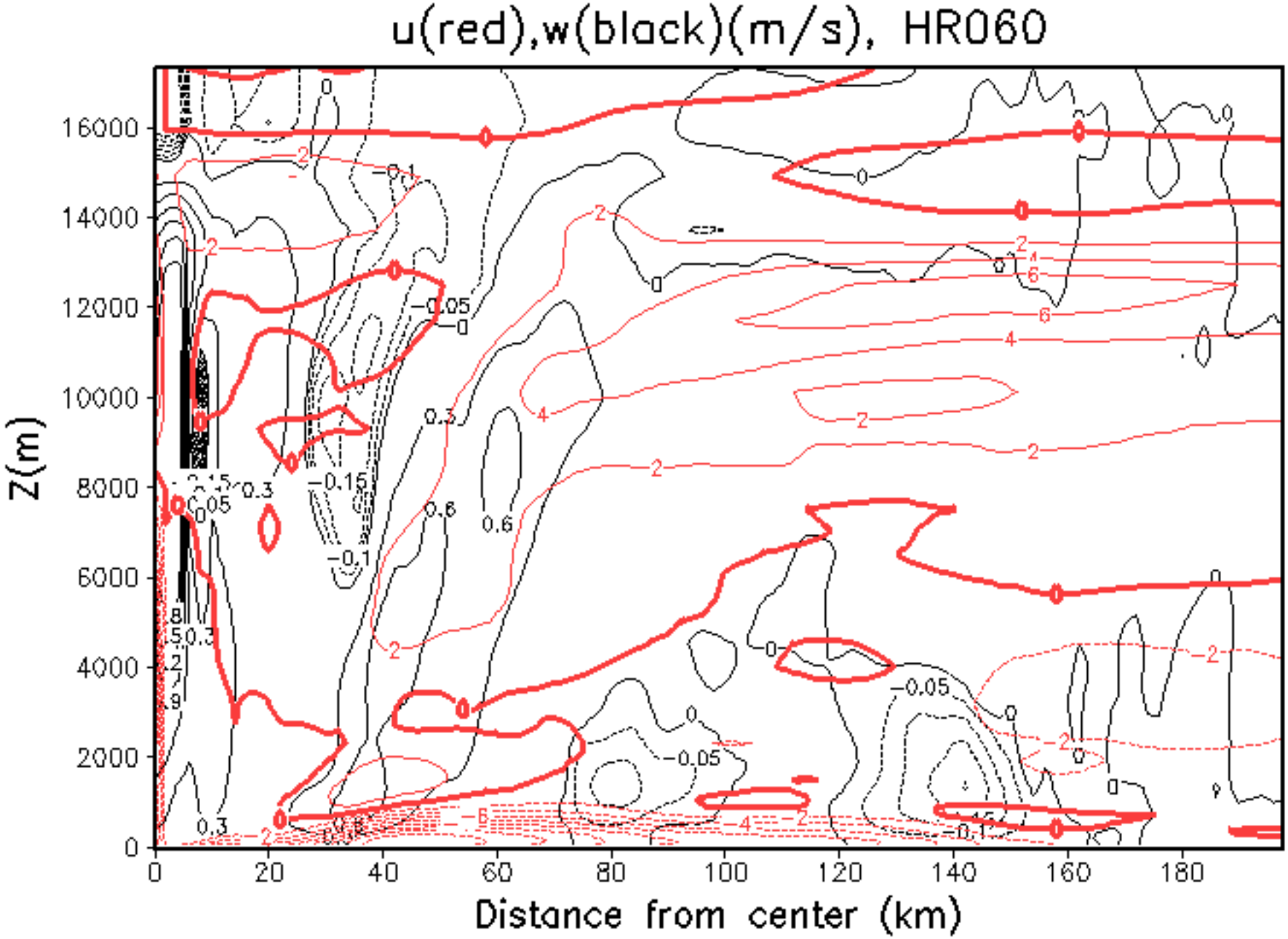
MIN= MAX=

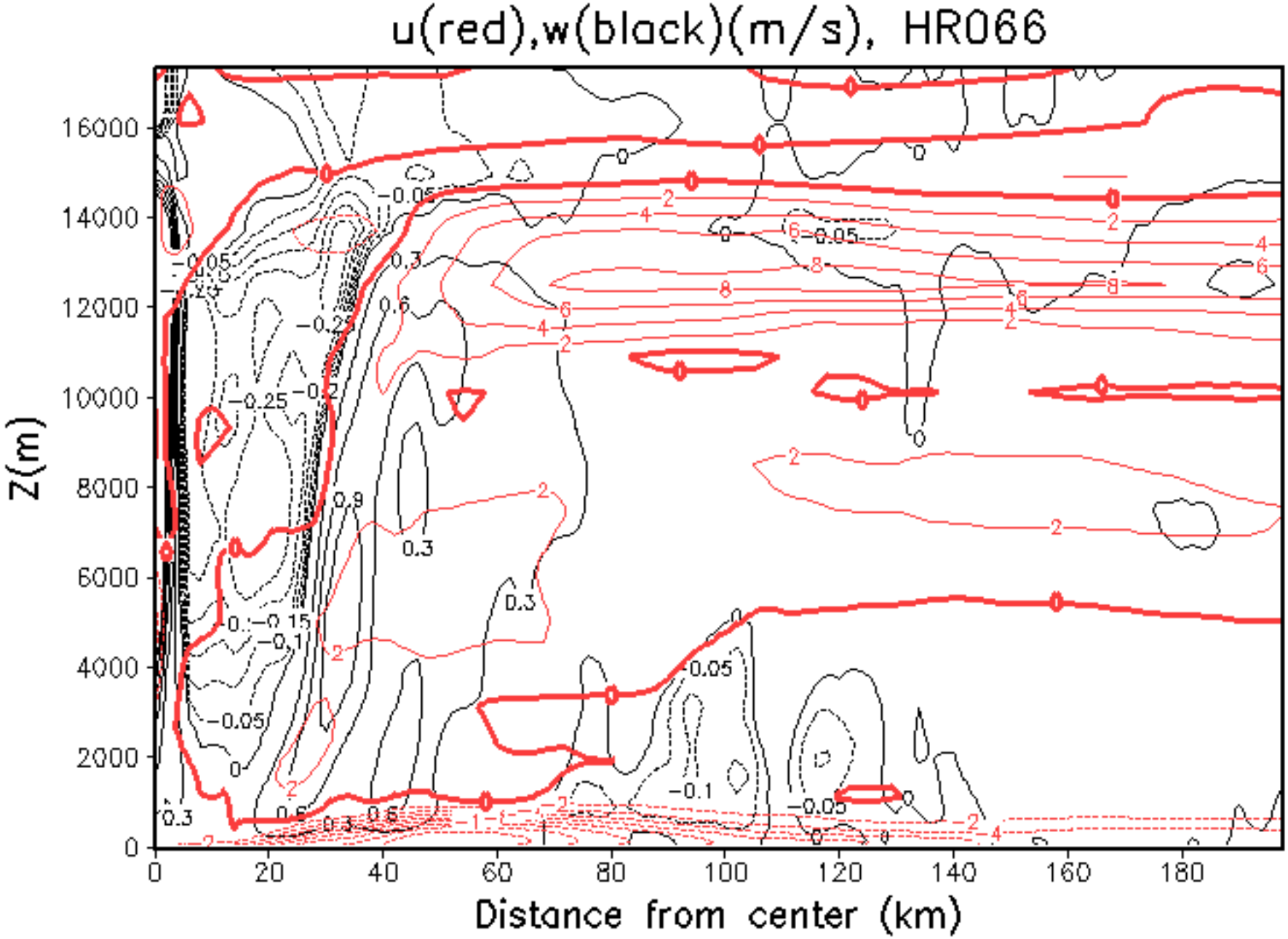

u(red),w(black)(m/s), HR036
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
0.3
-0.05
-0.1
-2
2
4


u(red),w(black)(m/s), HR042
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR048
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR054
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR060
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR066
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180