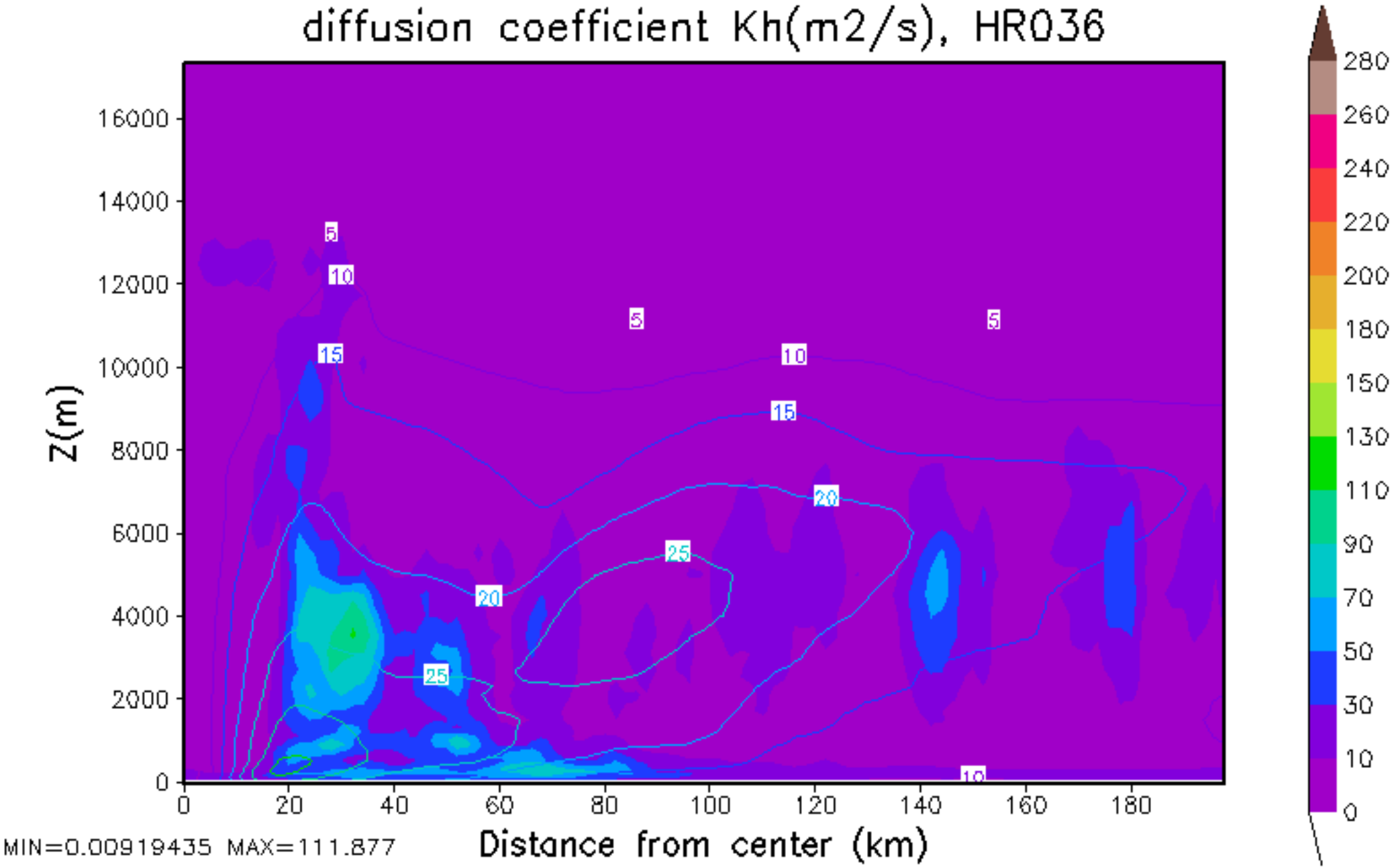
diffusion coefficient Kh(m2/s), HR036
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
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40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00919435 MAX=111.877
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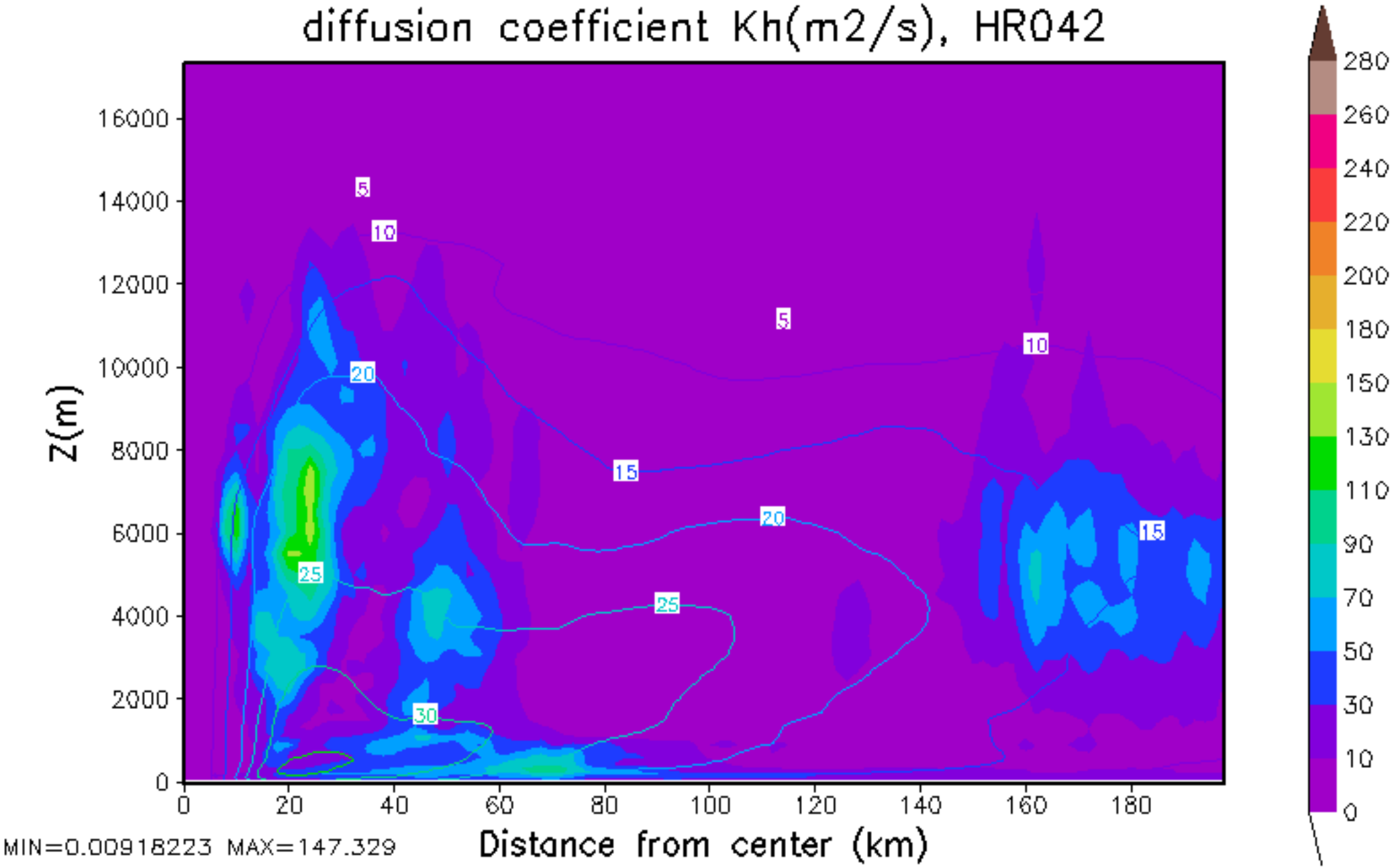
diffusion coefficient Kh(m2/s), HR042
Z(m)
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10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00918223 MAX=147.329
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10
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30
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260
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220
200
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130
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10
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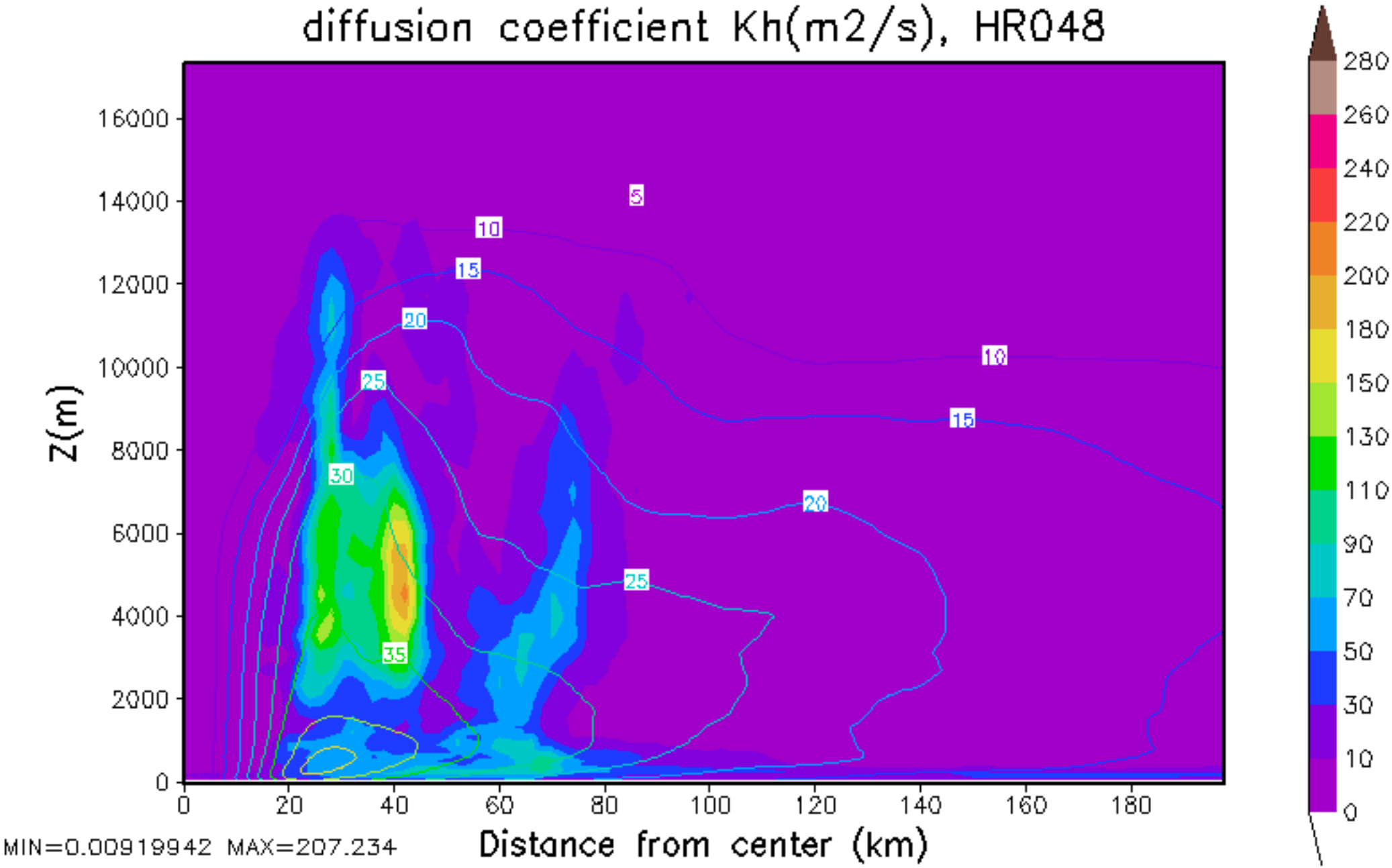
diffusion coefficient Kh(m2/s), HR048
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00919942 MAX=207.234
5
10
15
20
25
30
35
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25
280
260
240
220
200
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10
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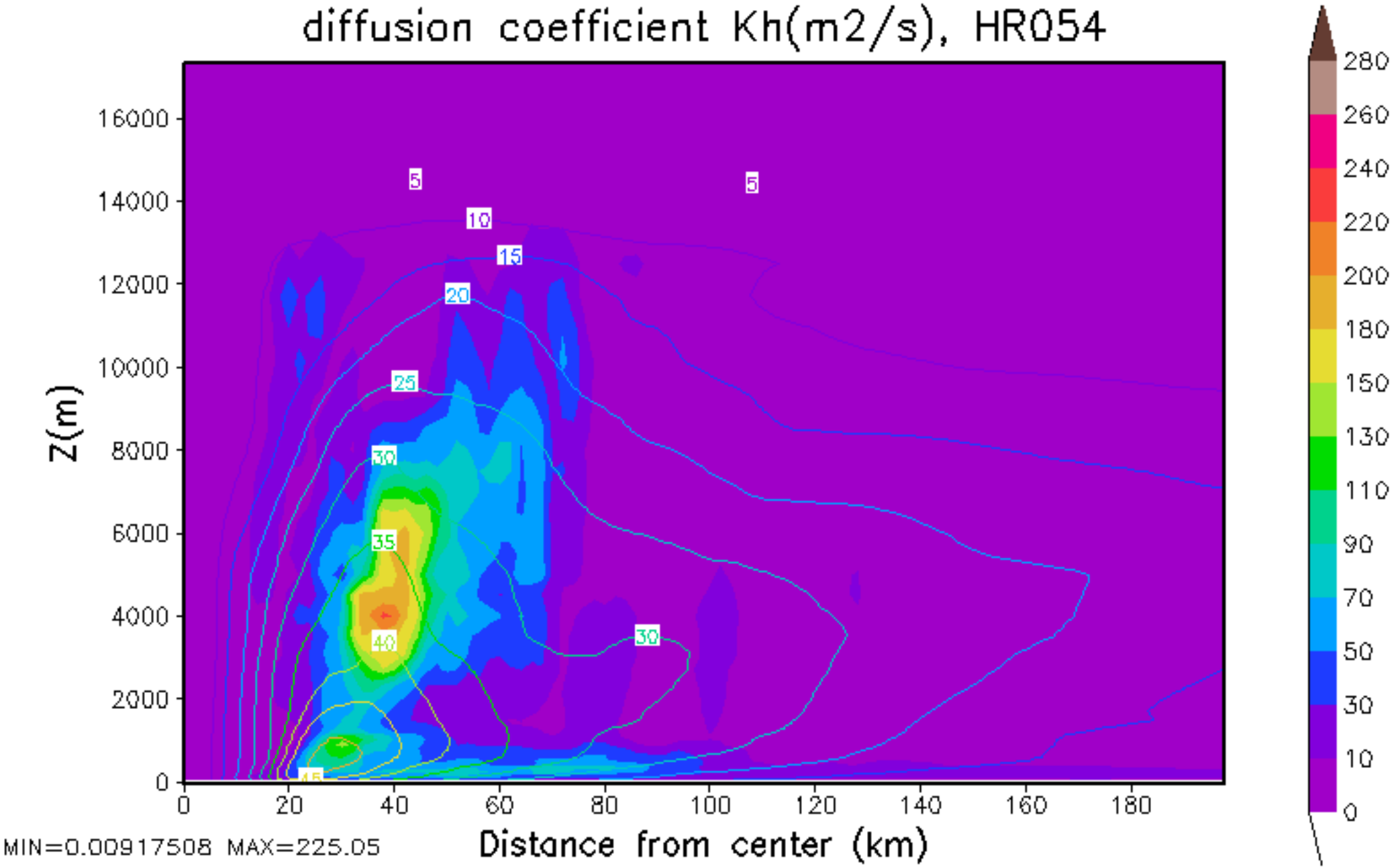
diffusion coefficient Kh(m2/s), HR054
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
10
15
20
25
30
35
40
30
MIN=0.00917508 MAX=225.05
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260
240
220
200
180
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130
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50
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10
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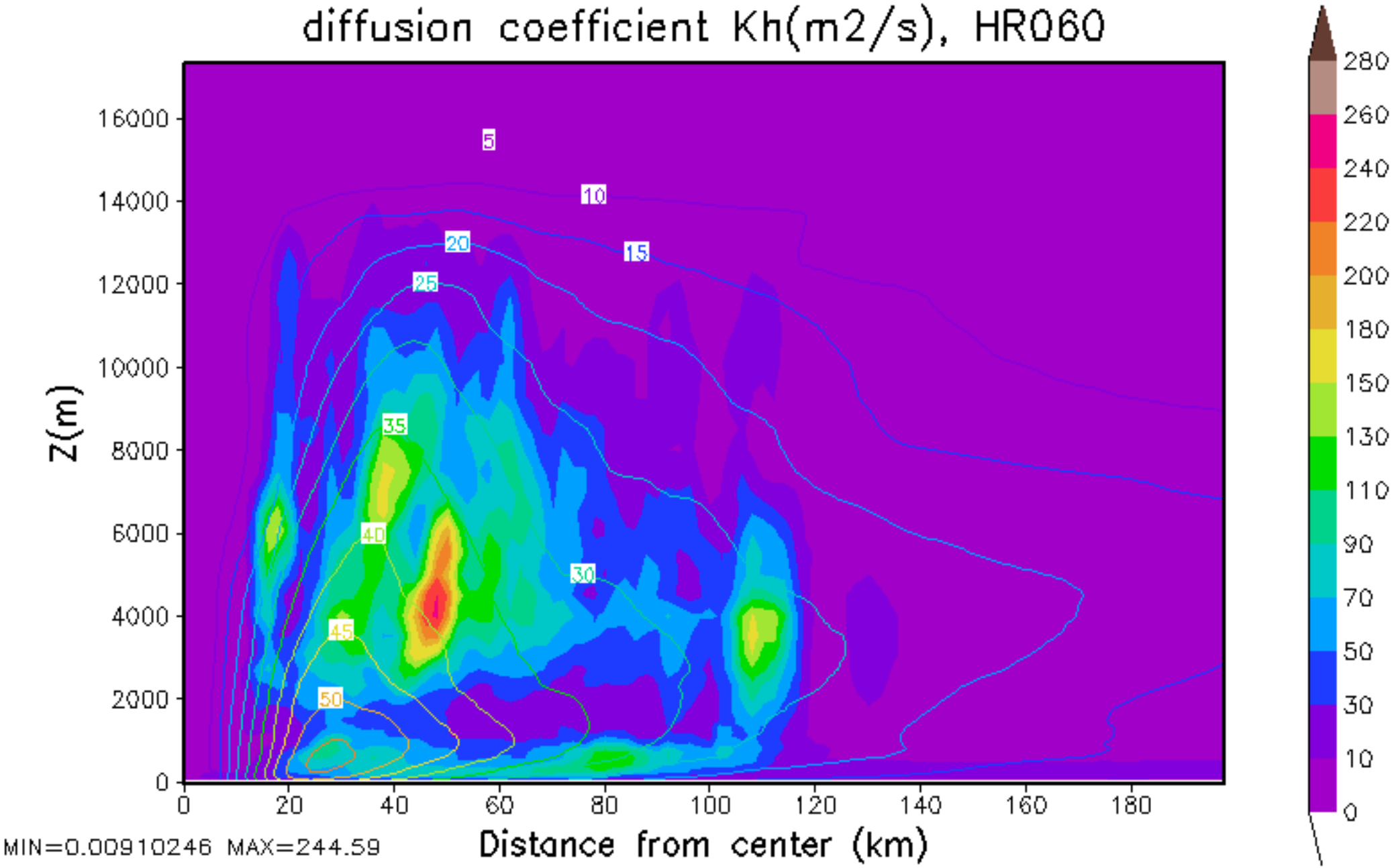
diffusion coefficient Kh(m2/s), HR060
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
280
260
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220
200
180
150
130
110
90
70
50
30
10
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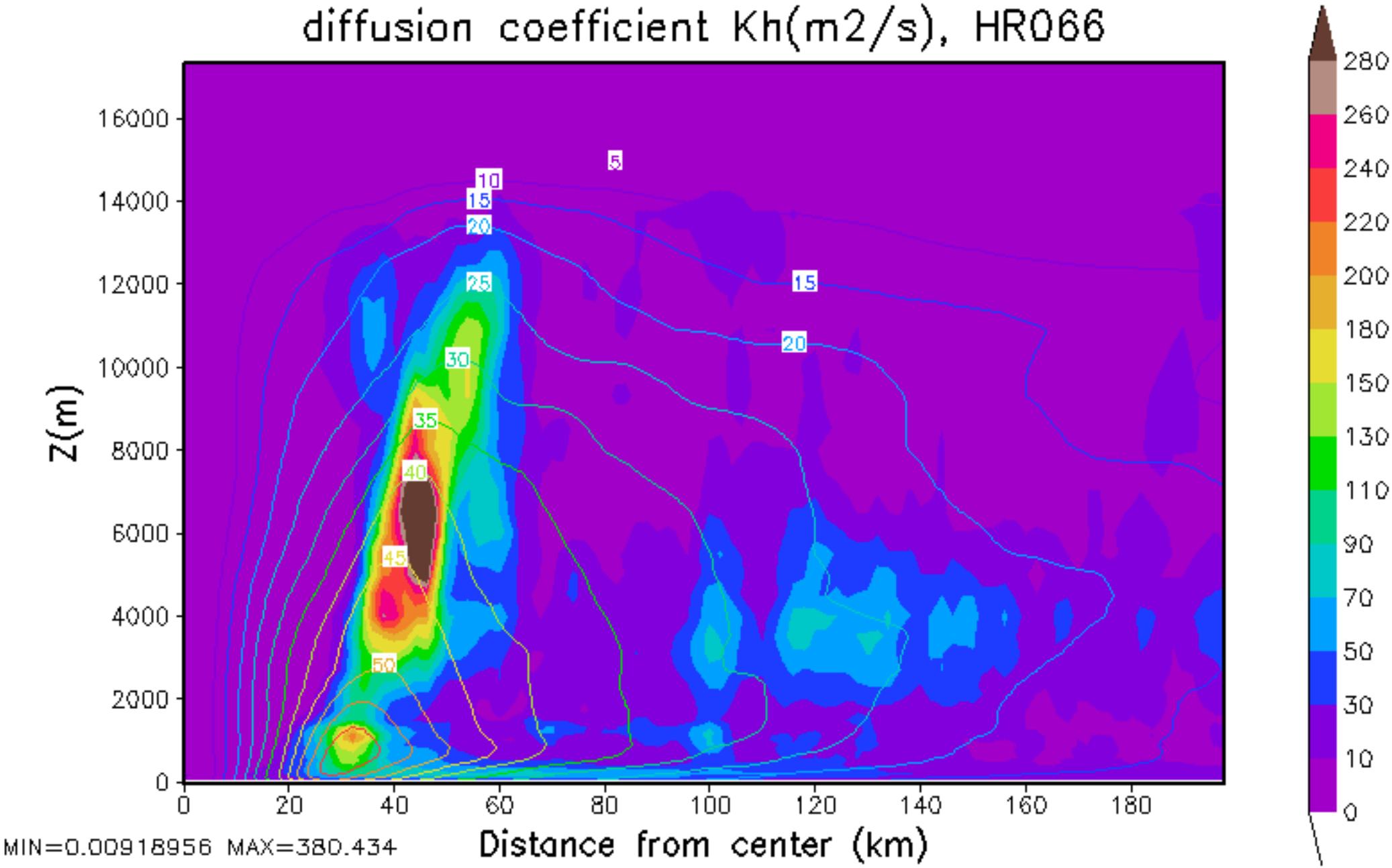
MIN=0.00910246 MAX=244.59


diffusion coefficient Kh(m2/s), HR066
Z(m)
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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=0.00918956 MAX=380.434
5
10
15
20
25
30
35
40
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50
15
20
280
260
240
220
200
180
150
130
110
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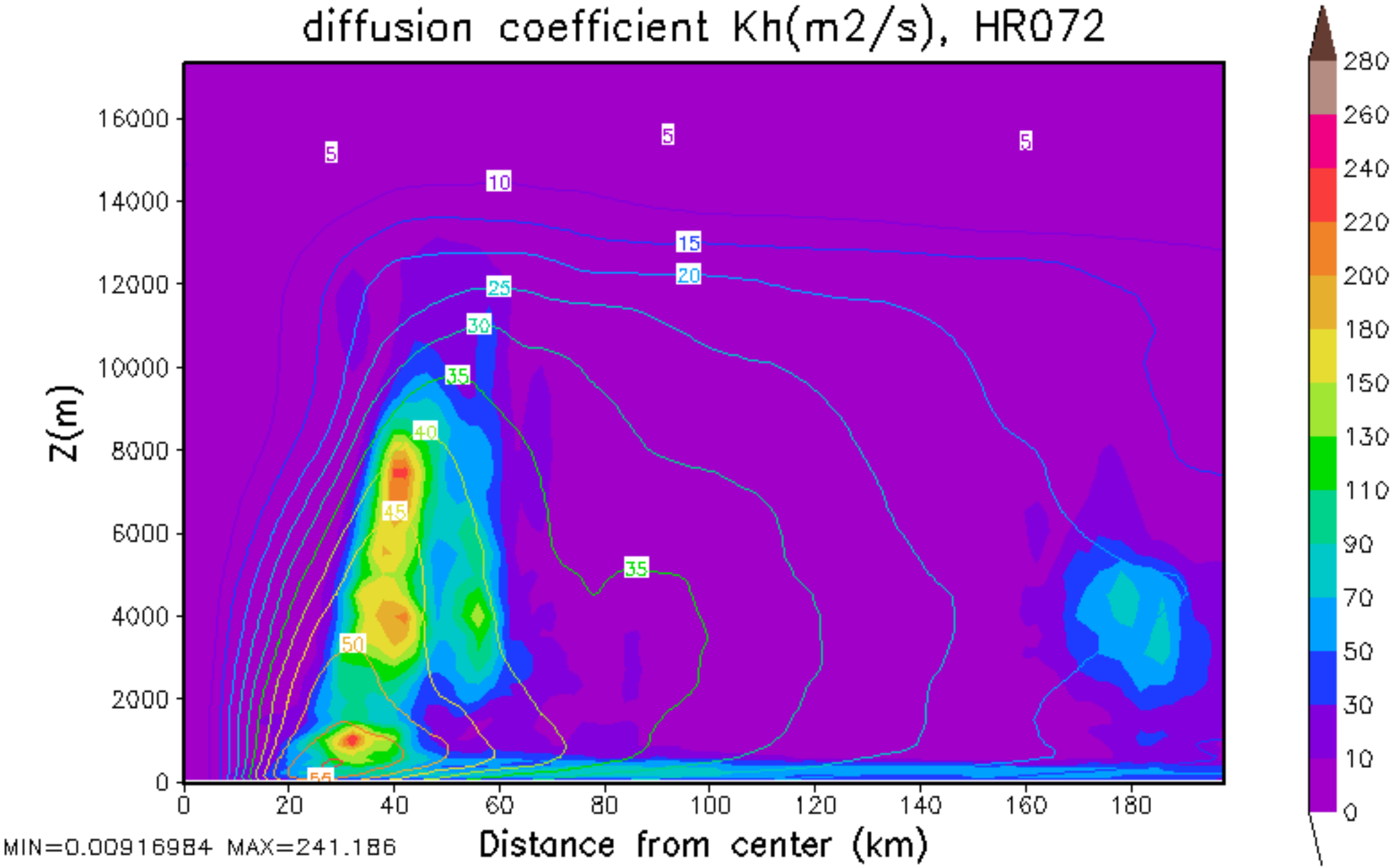
70
50
30
10
0


diffusion coefficient Kh(m2/s), HR072
Z(m)
Distance from center (km)
MIN=0.00916984 MAX=241.186
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
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55
0
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30
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150
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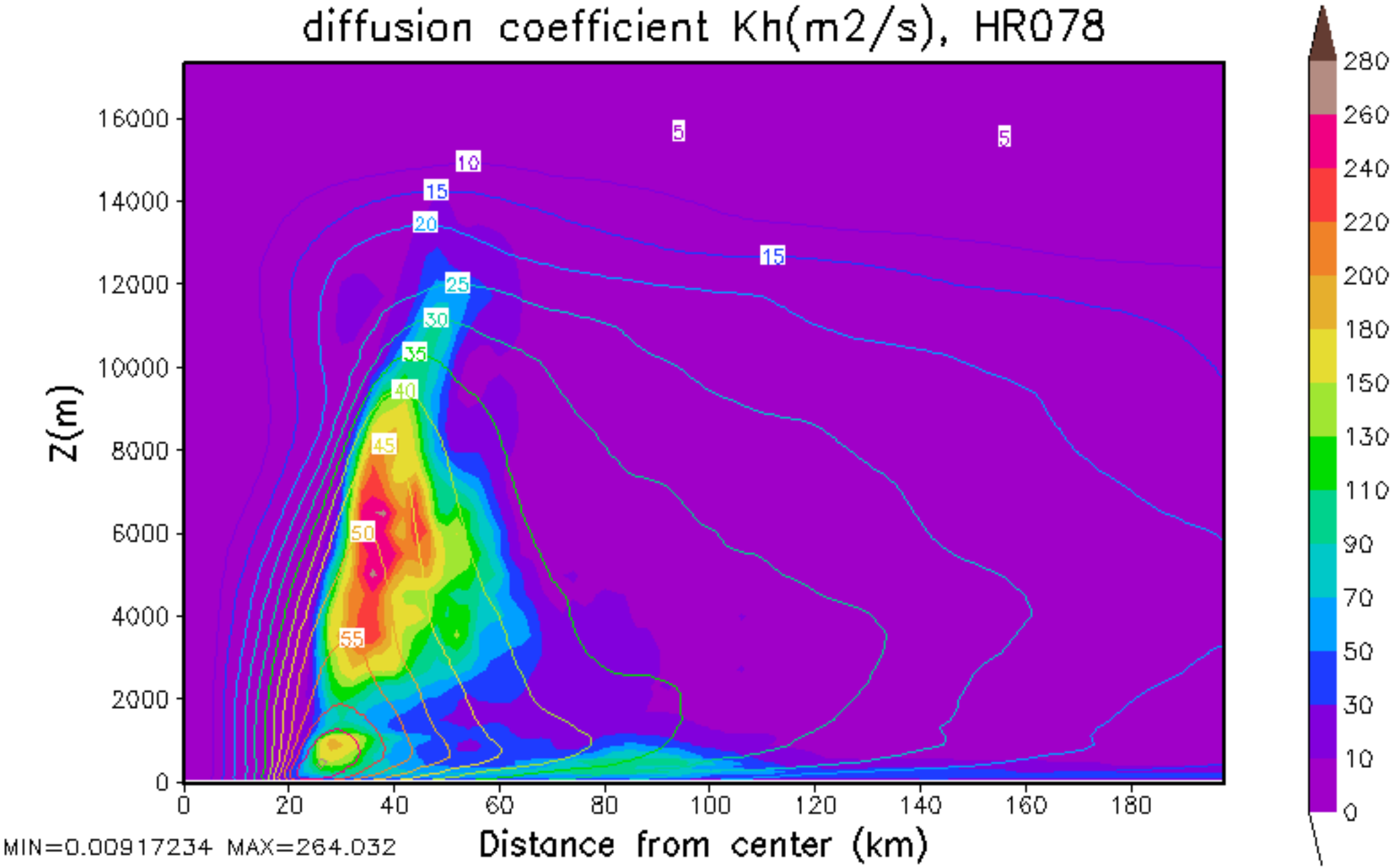
200
220
240
260
280


diffusion coefficient Kh(m2/s), HR078
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=0.00917234 MAX=264.032
5
5
10
15
20
15
25
30
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40
45
50
55
280
260
240
220
200
180
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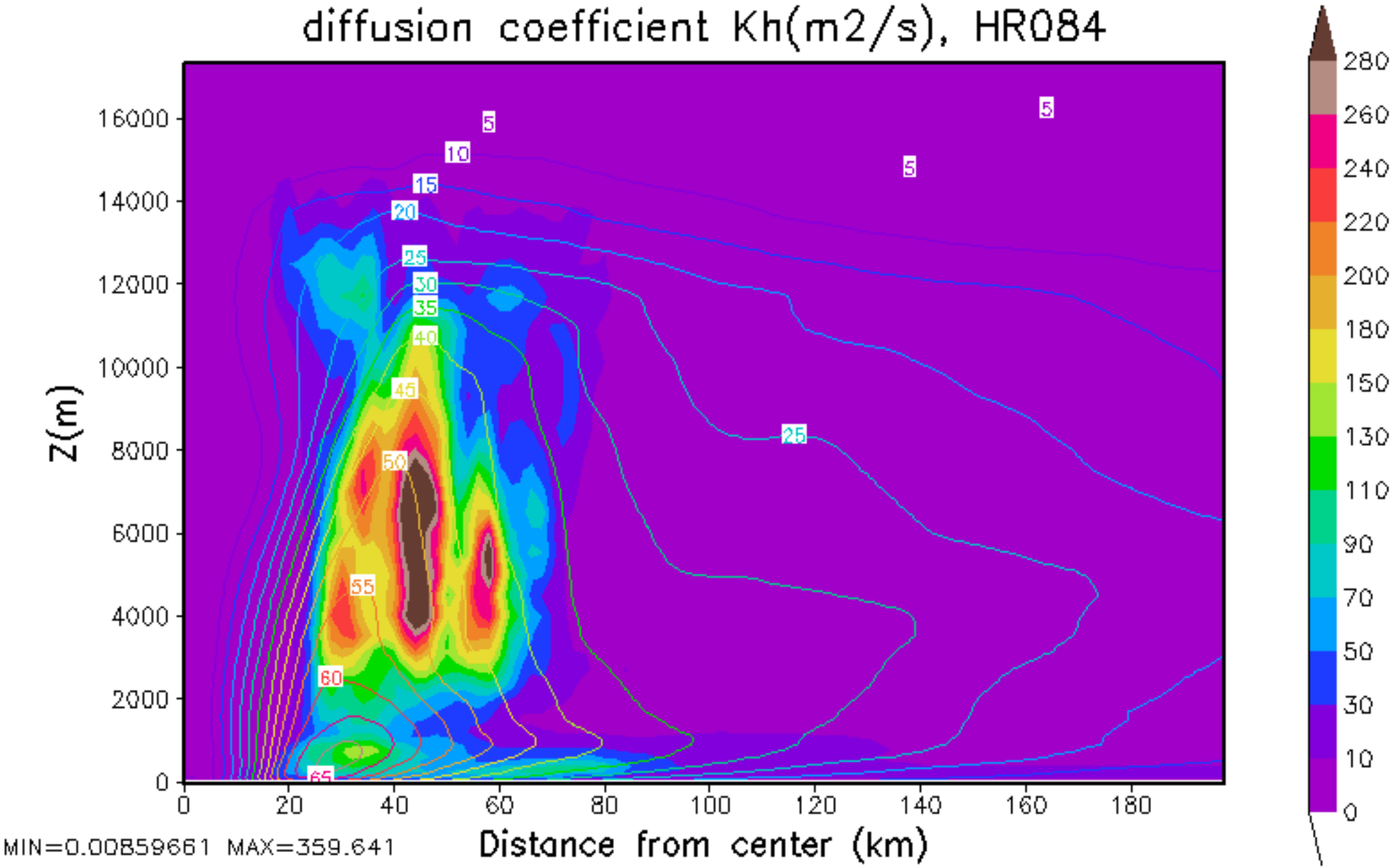
130
110
90
70
50
30
10
0


diffusion coefficient Kh(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.00859661 MAX=359.641
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4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
0
10
30
50
70
90
110
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260
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40
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50
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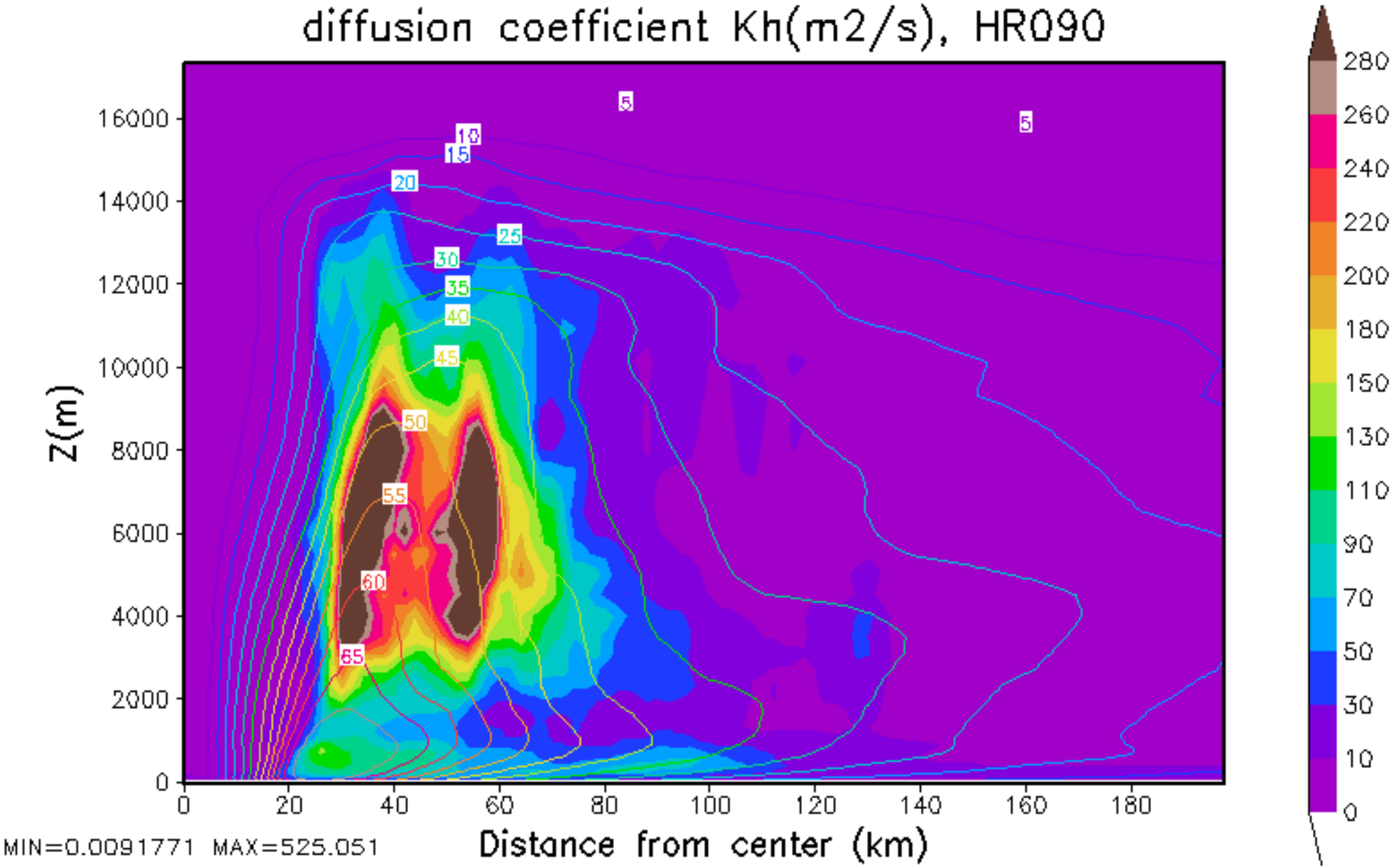
60
65


diffusion coefficient Kh(m2/s), HR090
Z(m)
Distance from center (km)
MIN=0.0091771 MAX=525.051
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6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
15
20
25
30
35
40
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200
180
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130
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50
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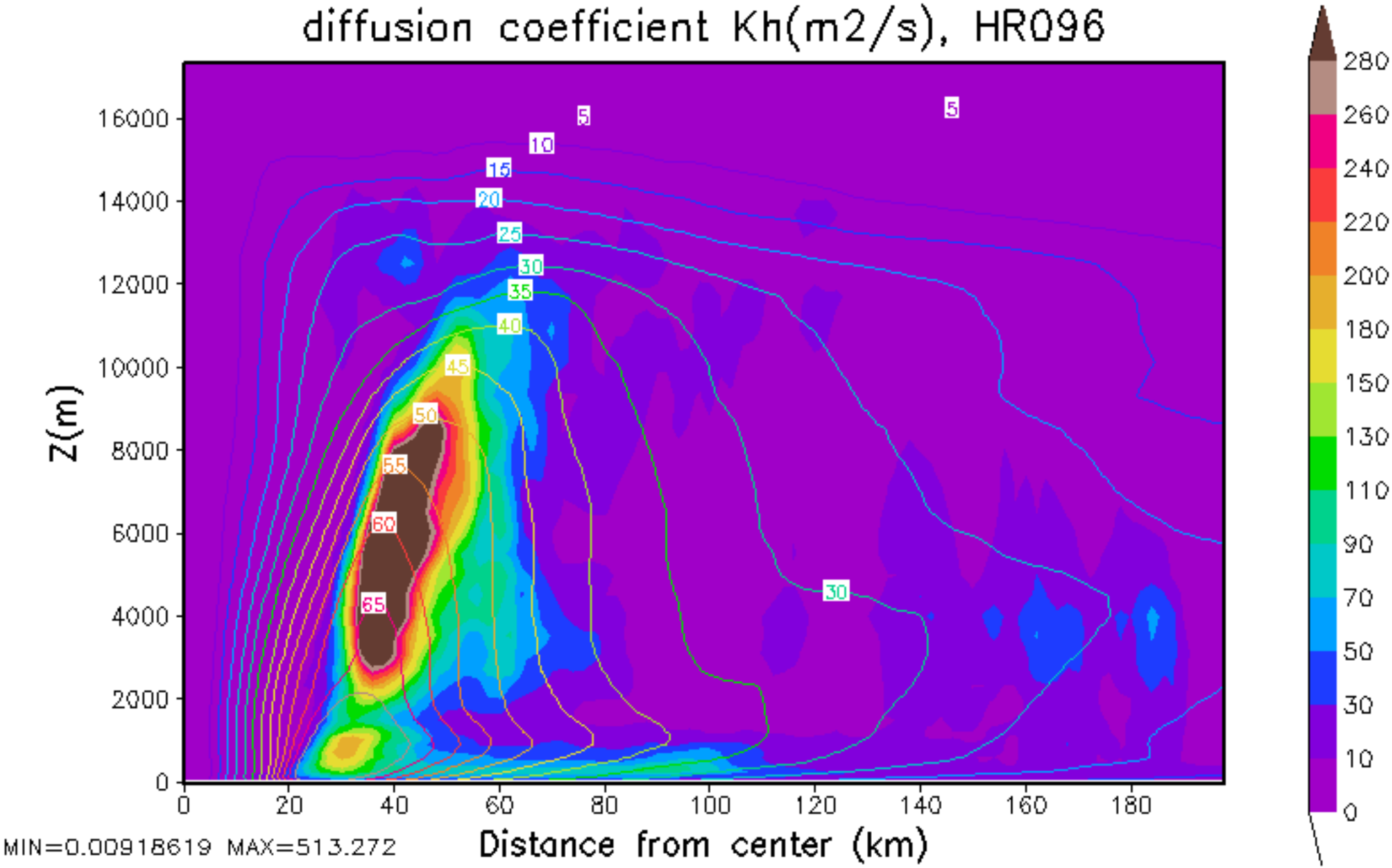
10
0


diffusion coefficient Kh(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00918619 MAX=513.272
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
15
20
25
30
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40
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10
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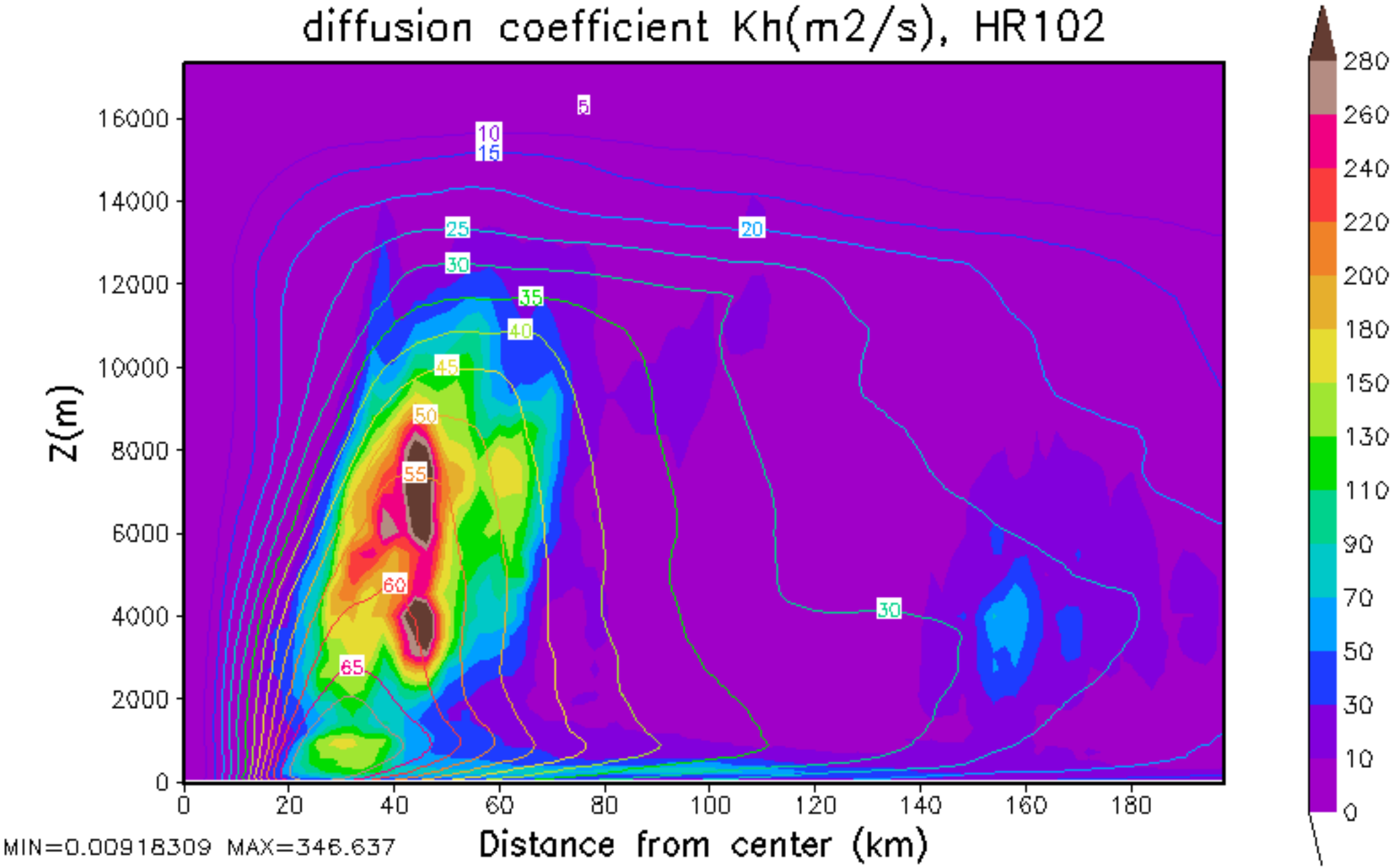
diffusion coefficient Kh(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00918309 MAX=346.637
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6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
15
20
25
30
35
40
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220
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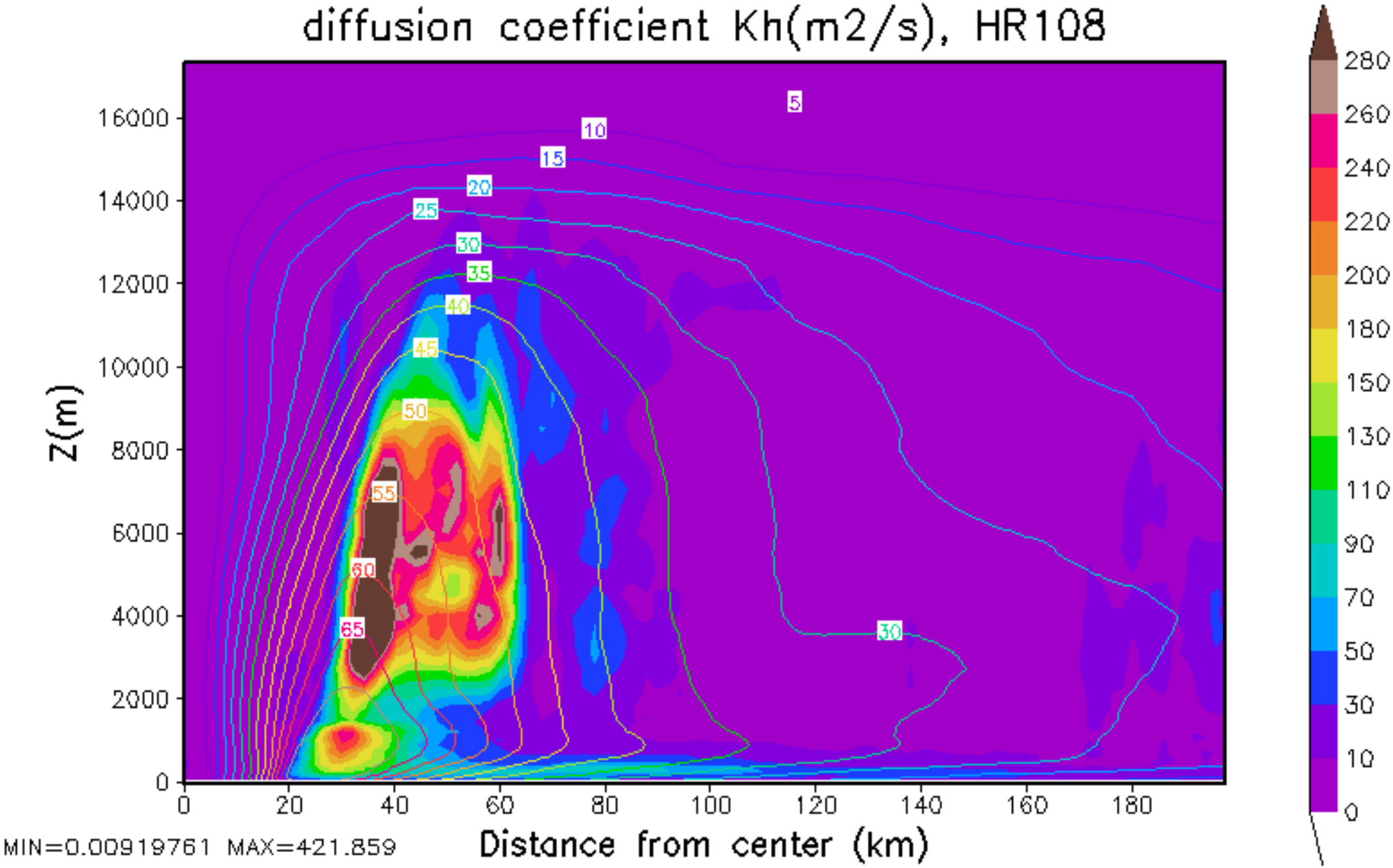
260
280


diffusion coefficient Kh(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00919761 MAX=421.859
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8000
10000
12000
14000
16000
0
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60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
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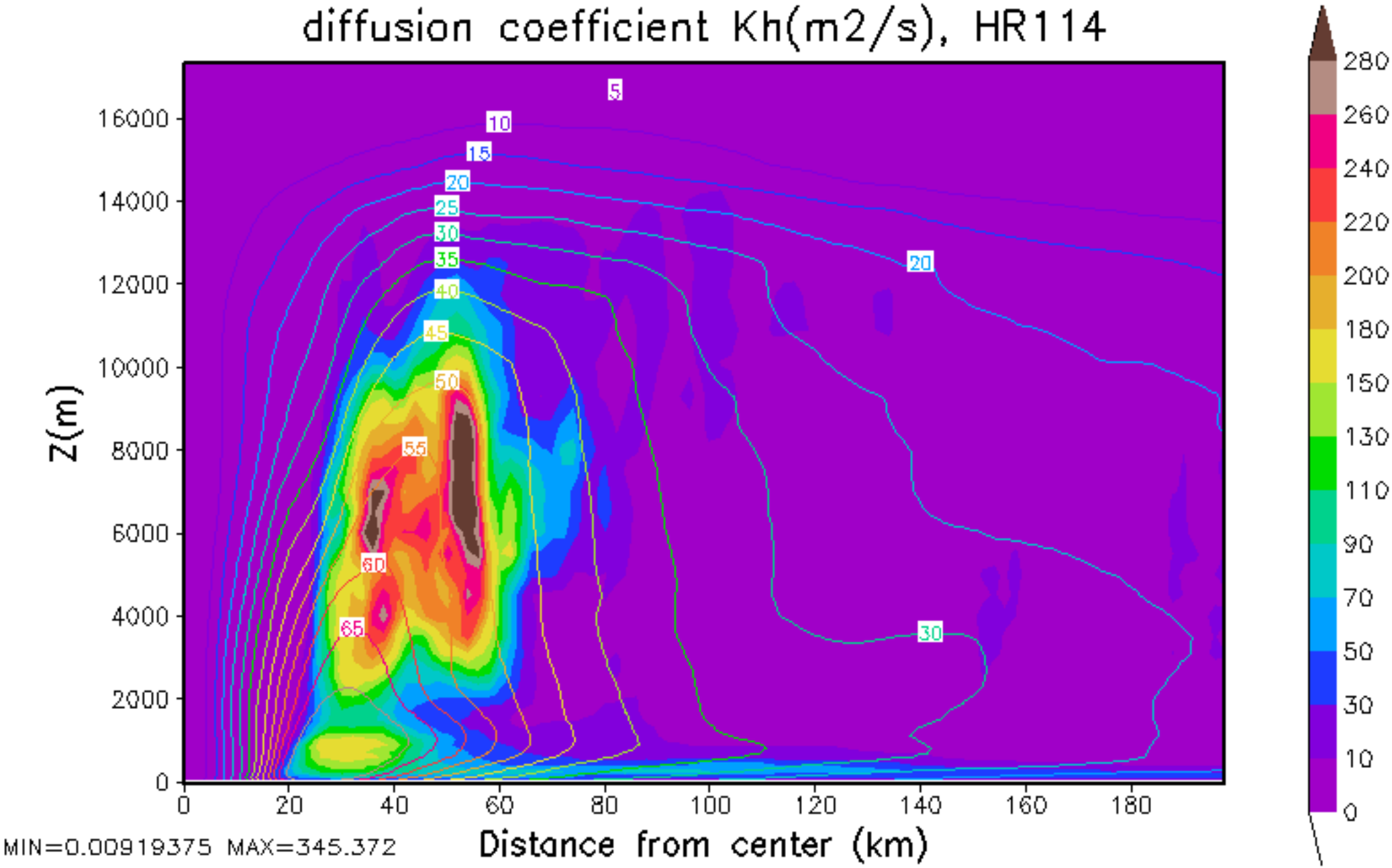
diffusion coefficient Kh(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00919375 MAX=345.372
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6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
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30
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45
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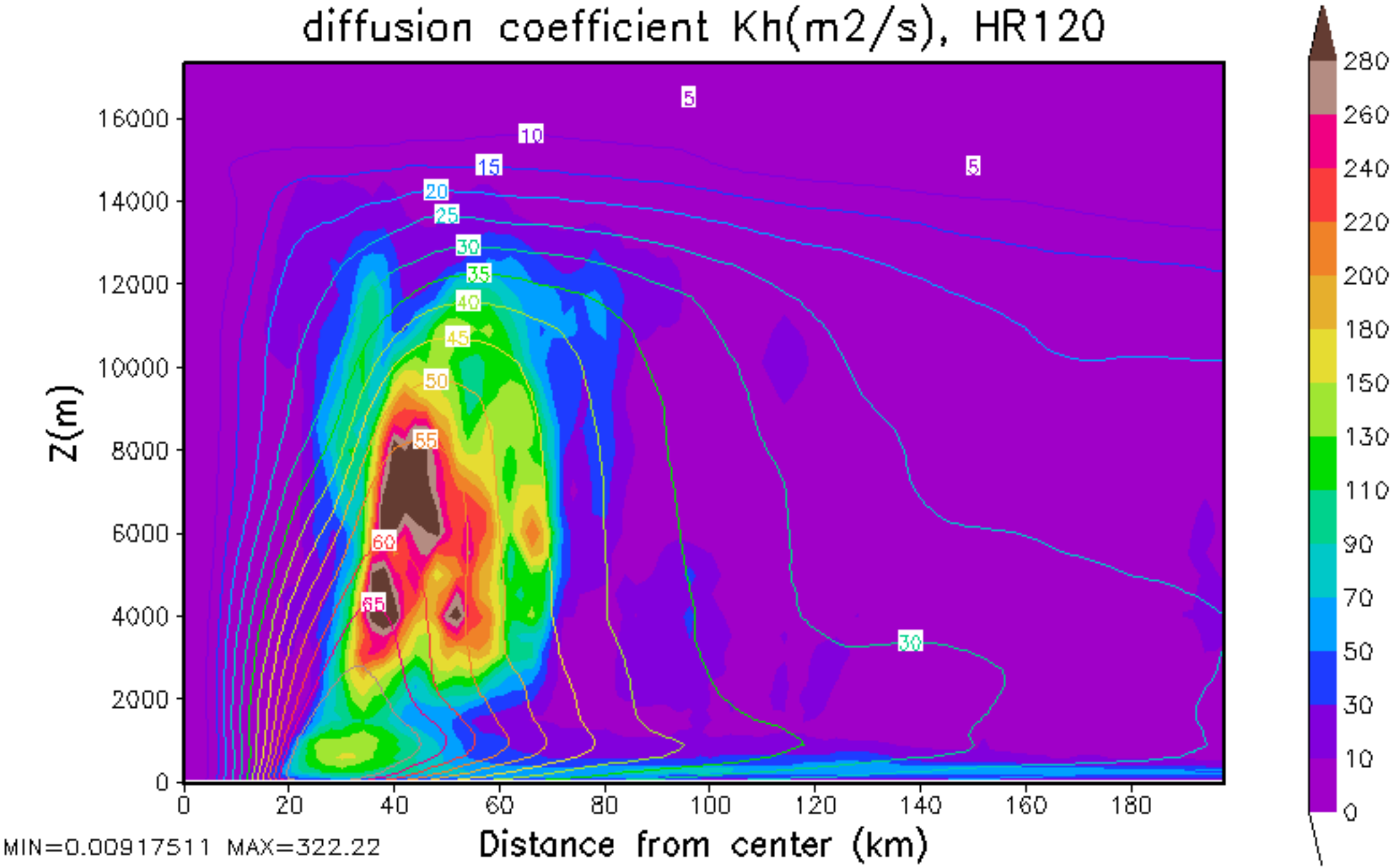
diffusion coefficient Kh(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00917511 MAX=322.22
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6000
8000
10000
12000
14000
16000
0
20
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180
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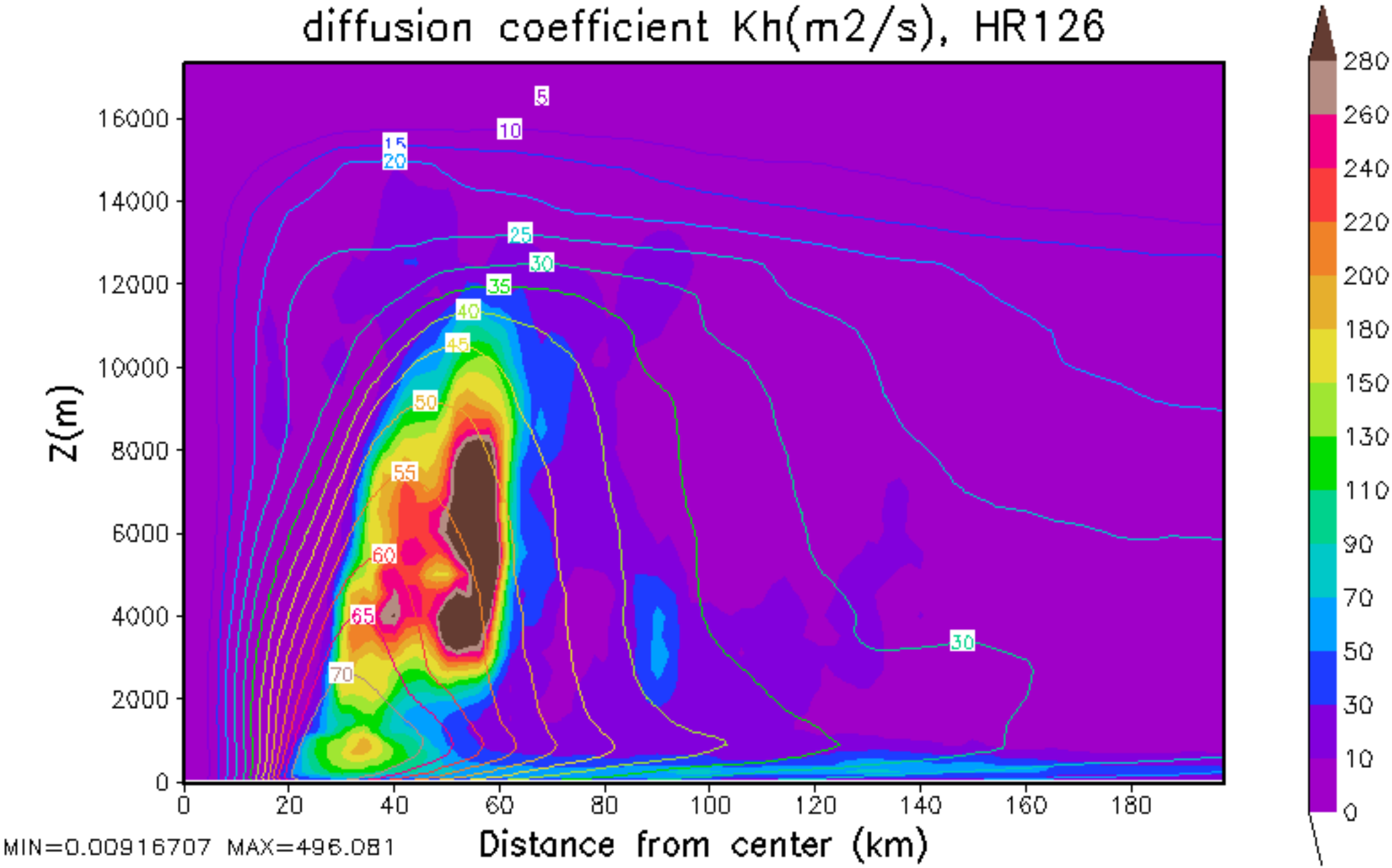
diffusion coefficient Kh(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00916707 MAX=496.081
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12000
14000
16000
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100
120
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180
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10
15
20
25
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45
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130
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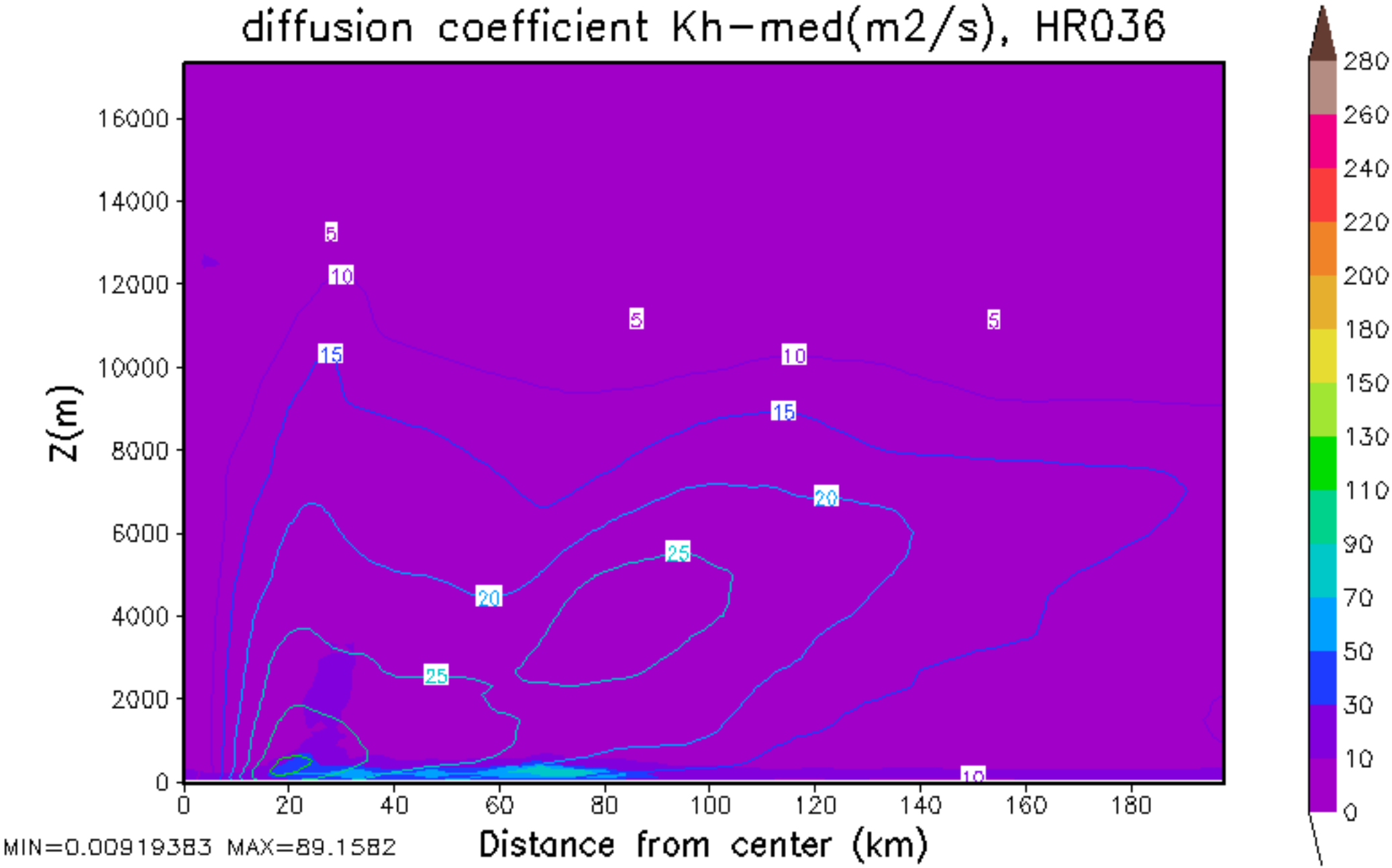
diffusion coefficient Kh-med(m2/s), HR036
Z(m)
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12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00919383 MAX=89.1582
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220
200
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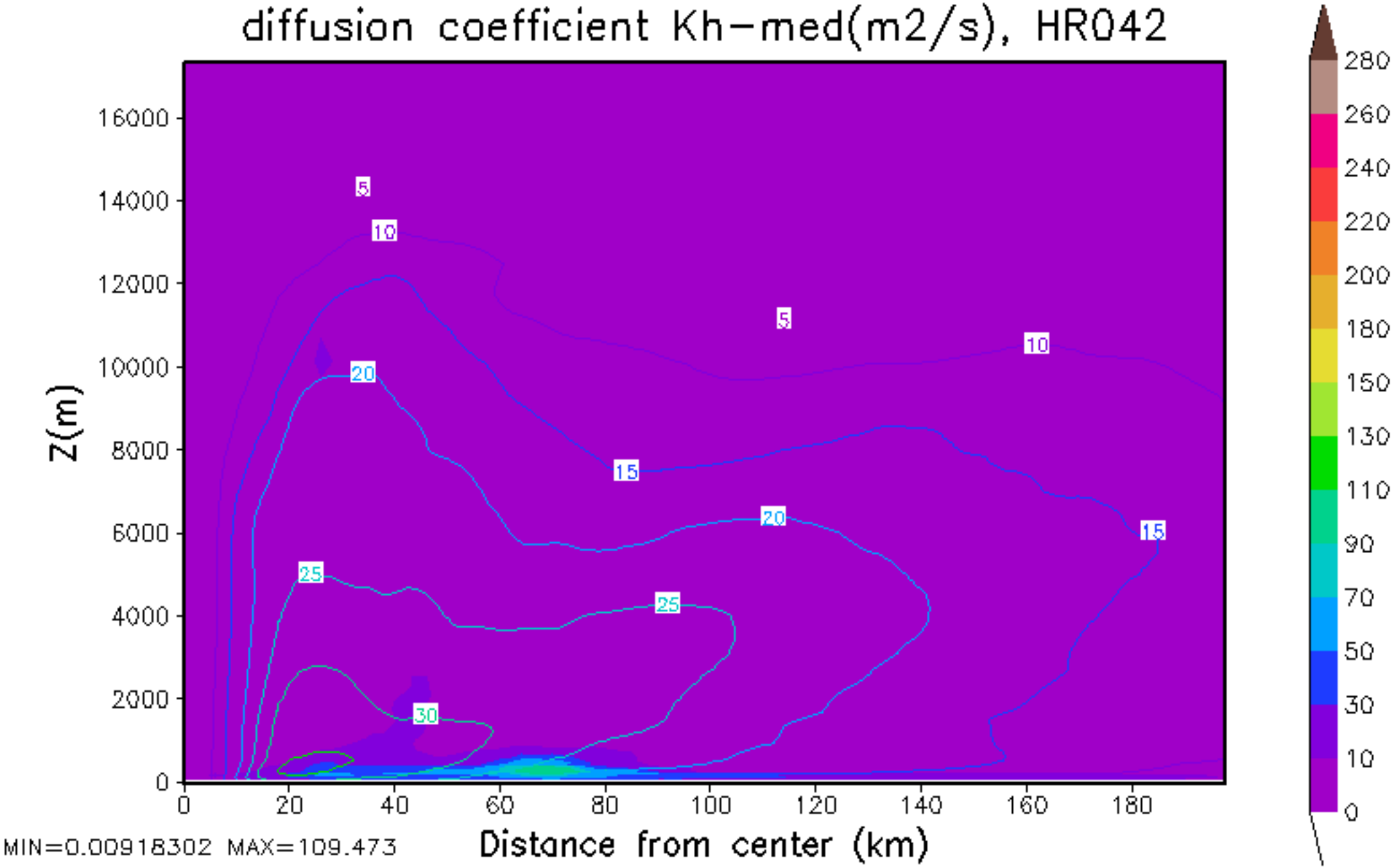
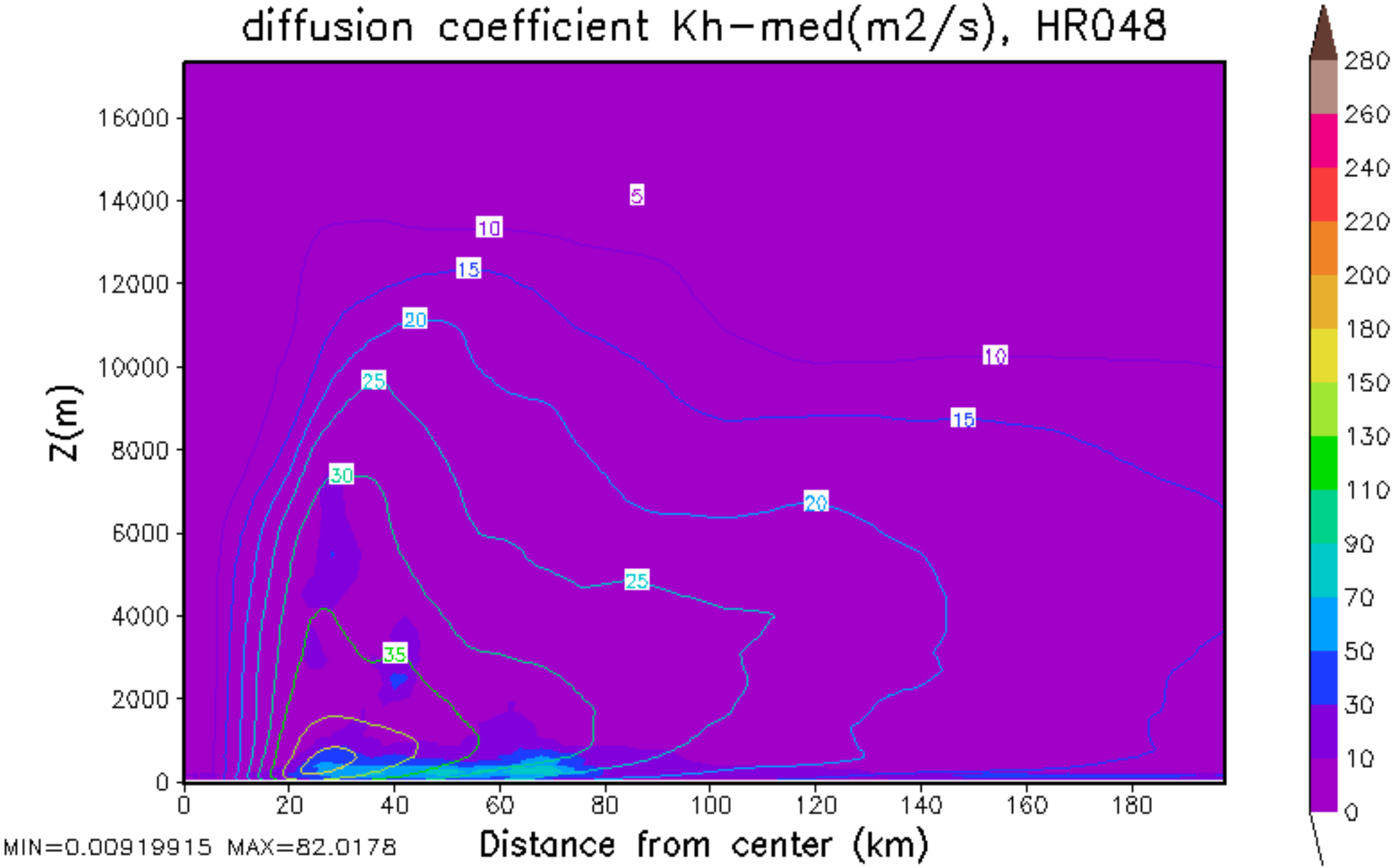


MIN=0.00918302 MAX=109.473


diffusion coefficient Kh-med(m2/s), HR048
Z(m)
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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=0.00919915 MAX=82.0178
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25
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50
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10
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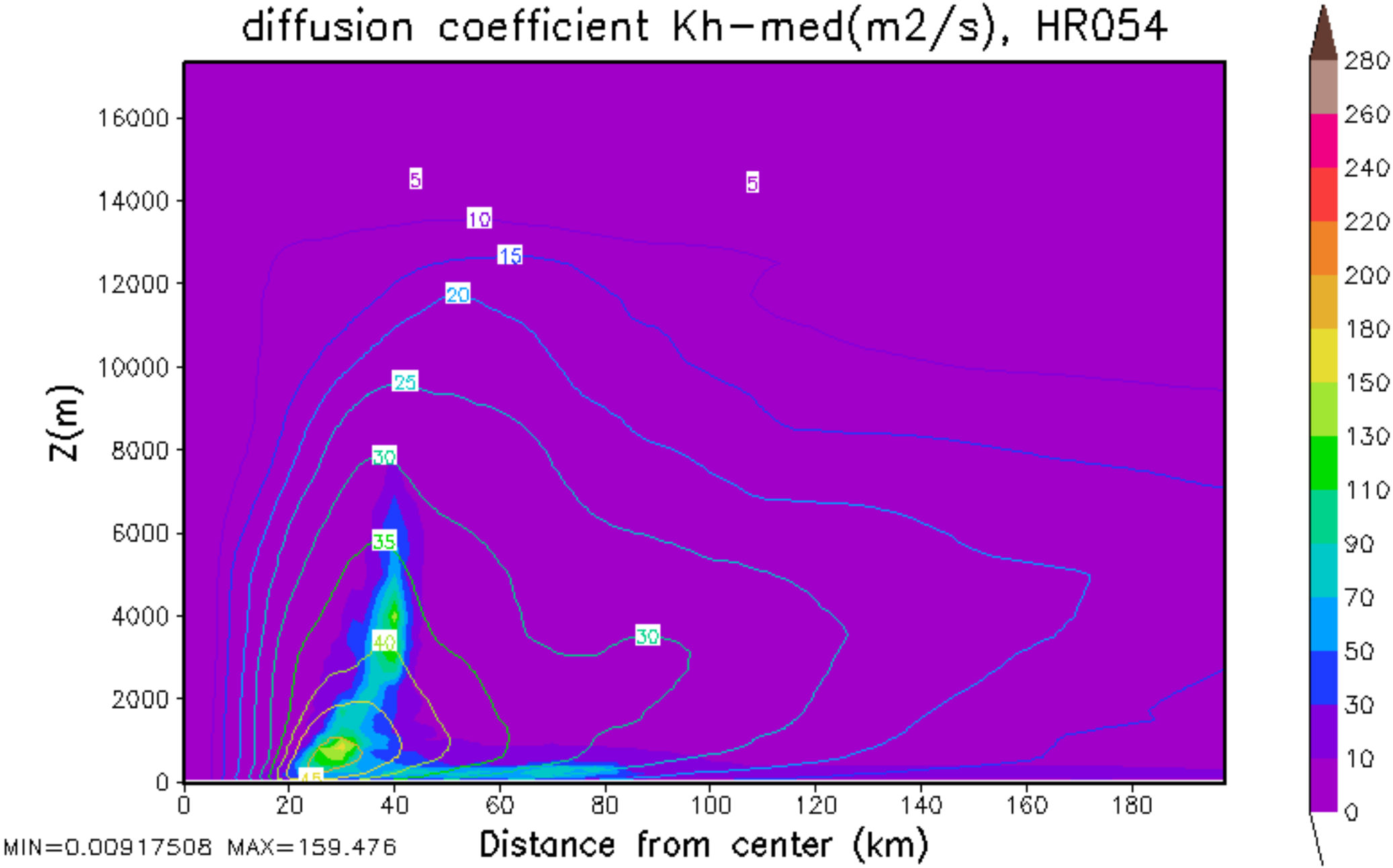
diffusion coefficient Kh-med(m2/s), HR054
Z(m)
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12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
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35
40
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MIN=0.00917508 MAX=159.476
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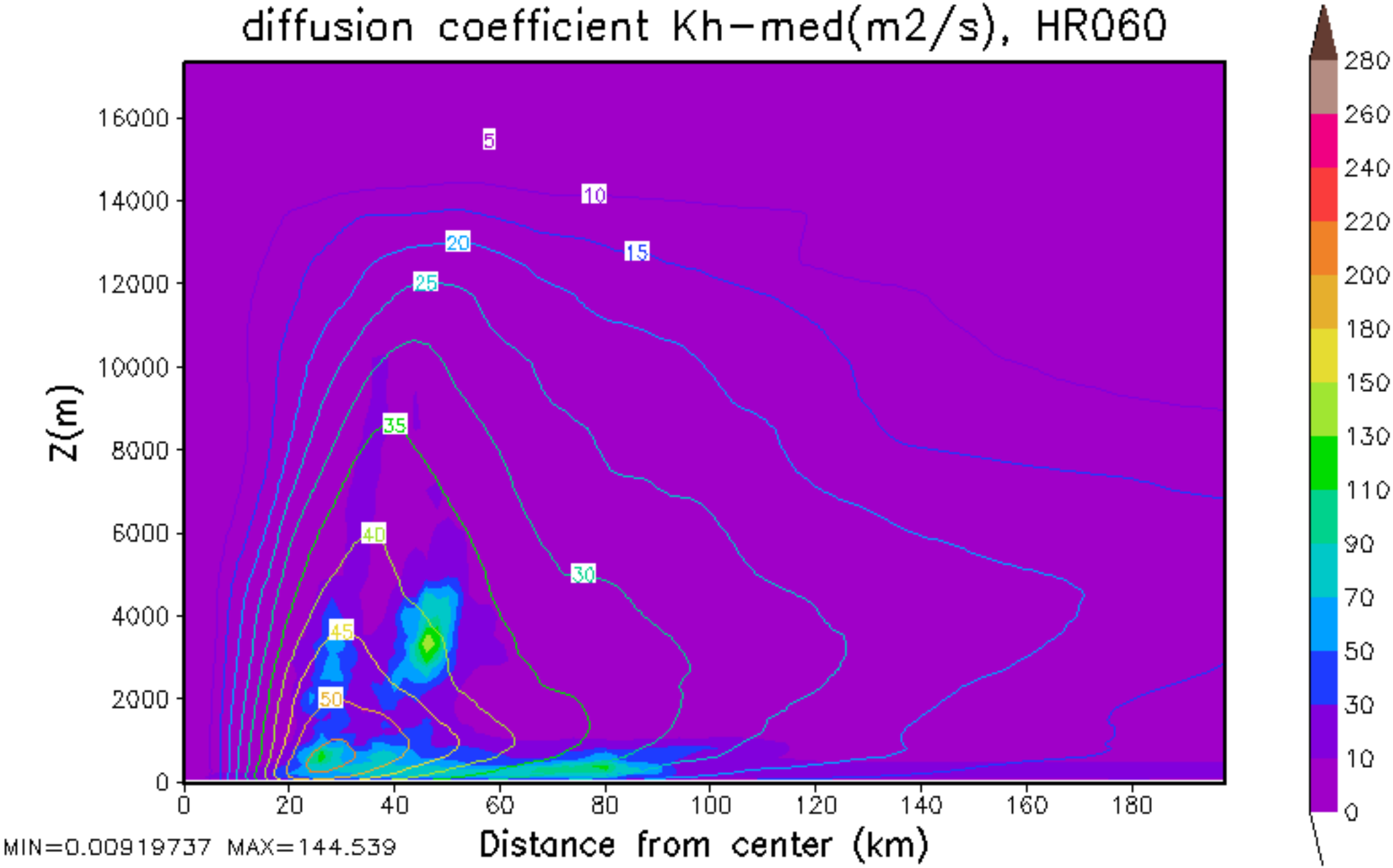
diffusion coefficient Kh-med(m2/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
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200
180
150
130
110
90
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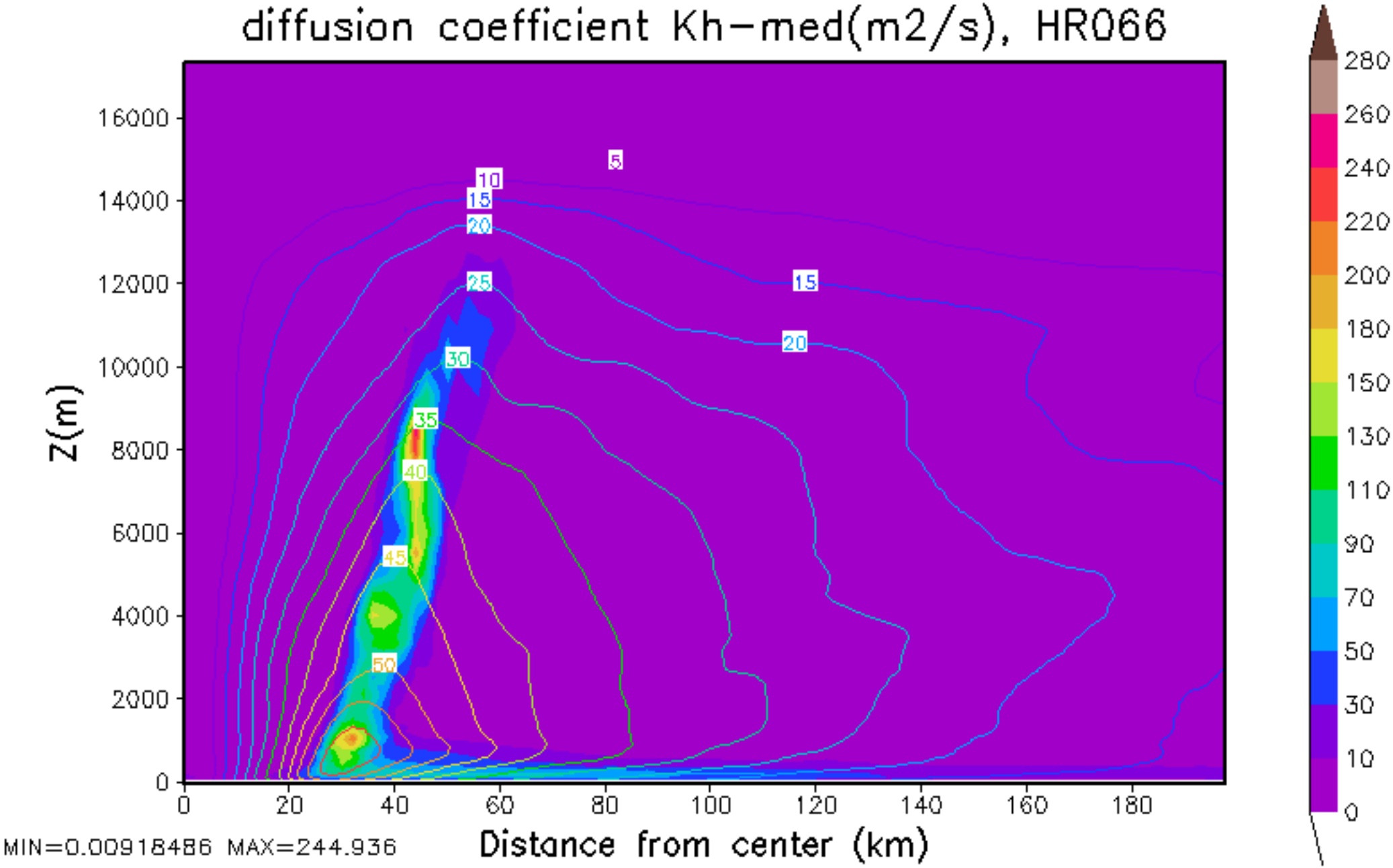
diffusion coefficient Kh-med(m2/s), HR066
Z(m)
Distance from center (km)
MIN=0.00918486 MAX=244.936
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6000
8000
10000
12000
14000
16000
0
20
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60
80
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15
20
25
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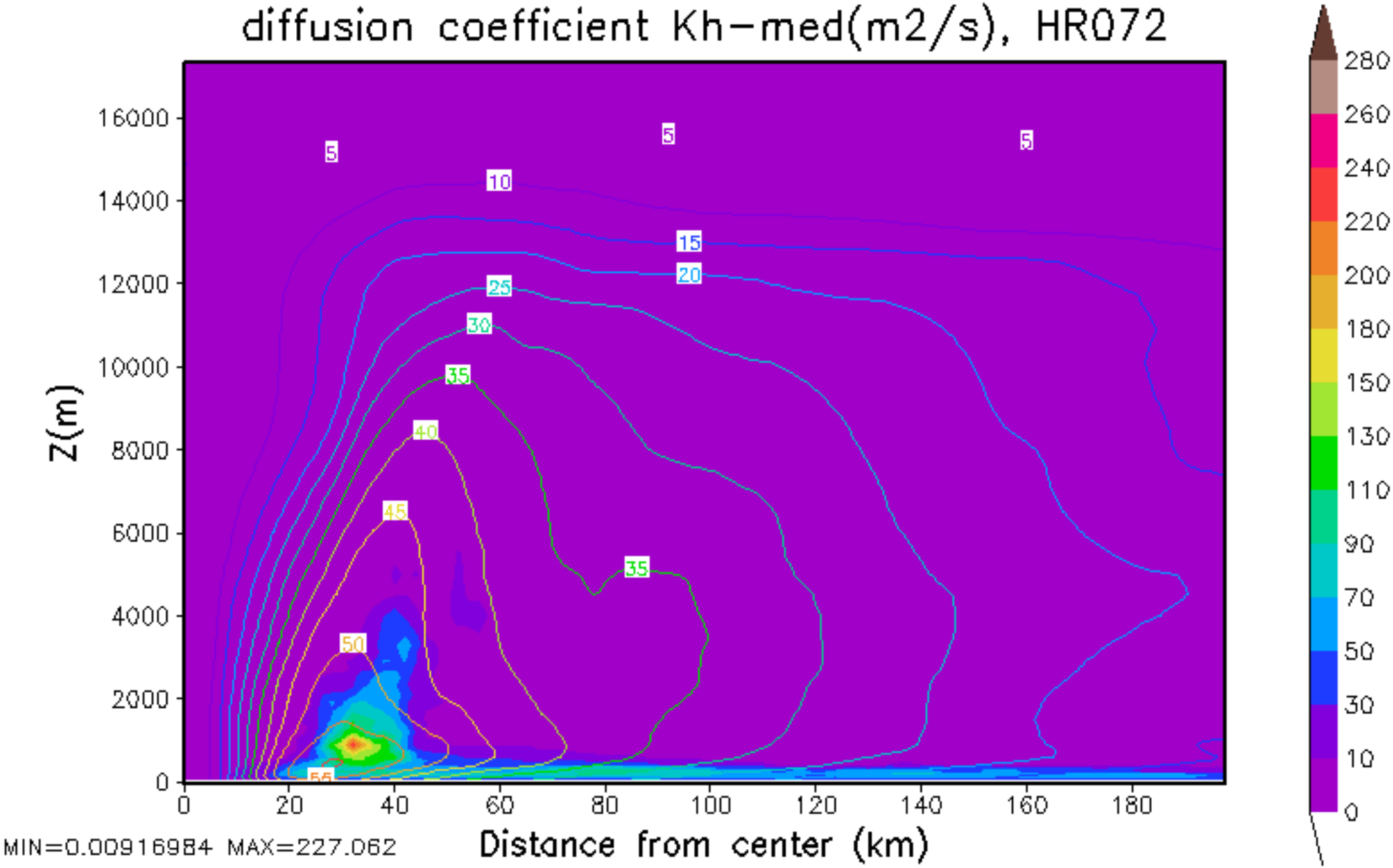
diffusion coefficient Kh-med(m2/s), HR072
Z(m)
Distance from center (km)
MIN=0.00916984 MAX=227.062
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8000
10000
12000
14000
16000
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60
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100
120
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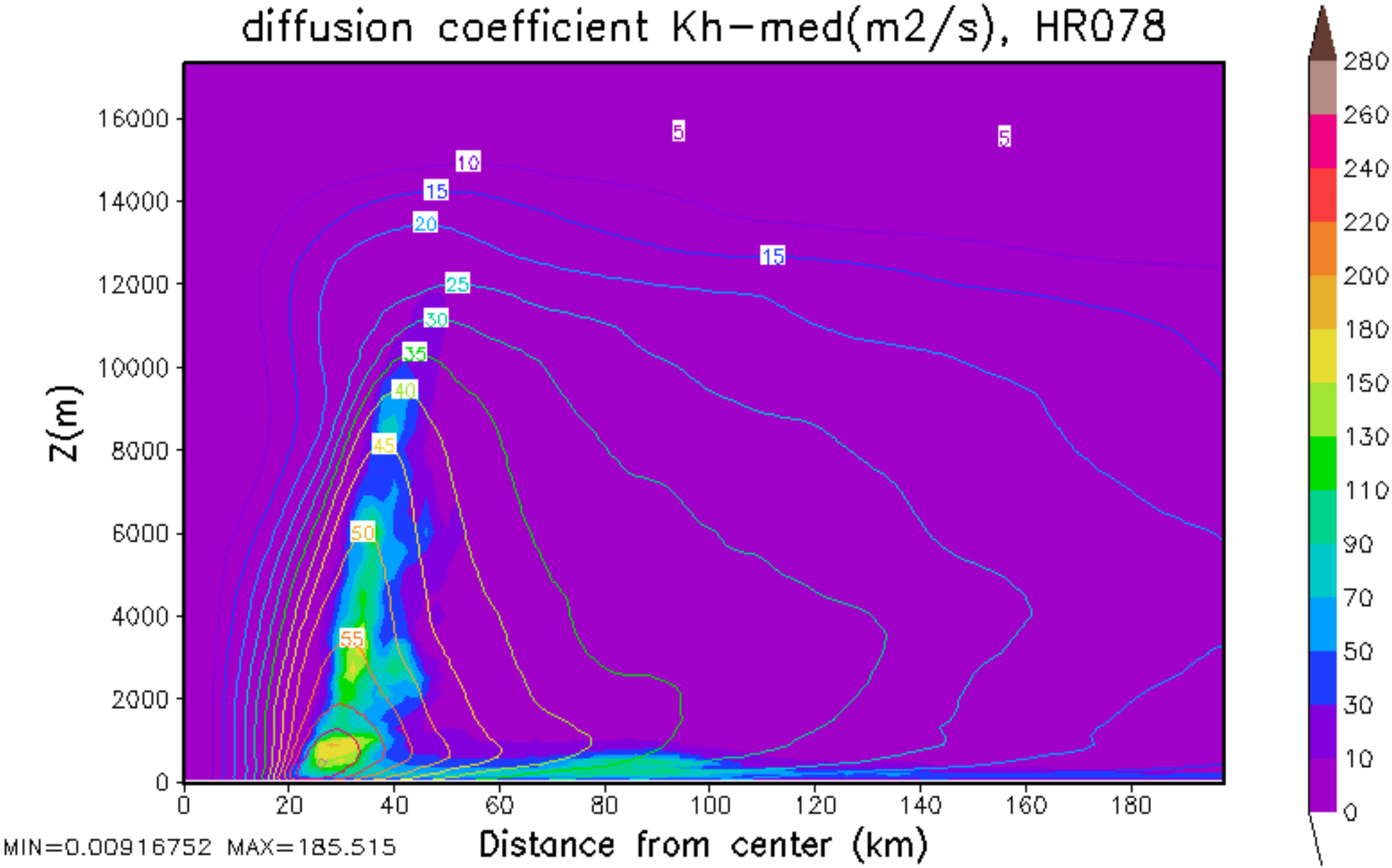
diffusion coefficient Kh-med(m2/s), HR078
Z(m)
Distance from center (km)
MIN=0.00916752 MAX=185.515
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8000
10000
12000
14000
16000
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20
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80
100
120
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25
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130
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10
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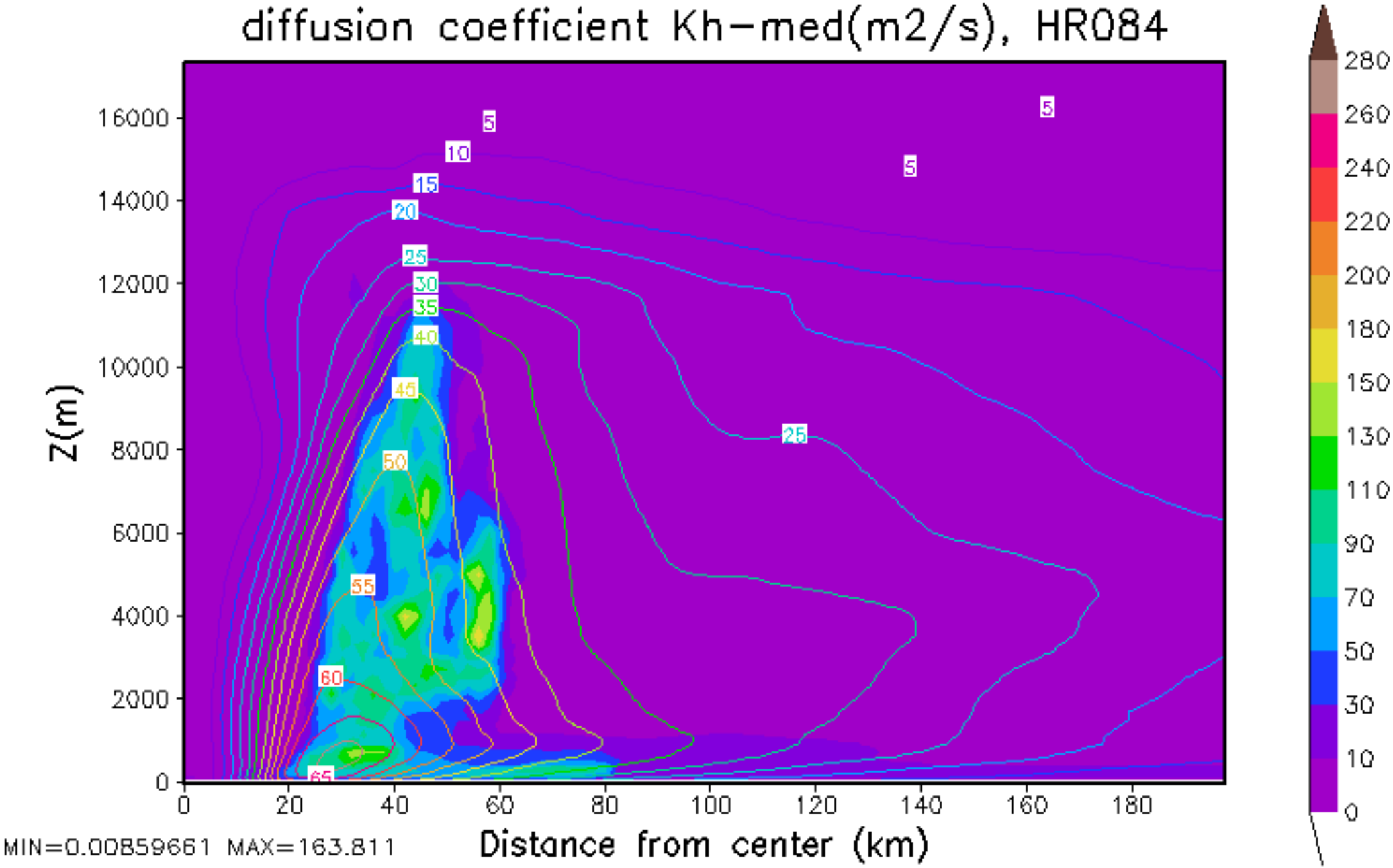
diffusion coefficient Kh-med(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.00859661 MAX=163.811
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6000
8000
10000
12000
14000
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0
20
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10
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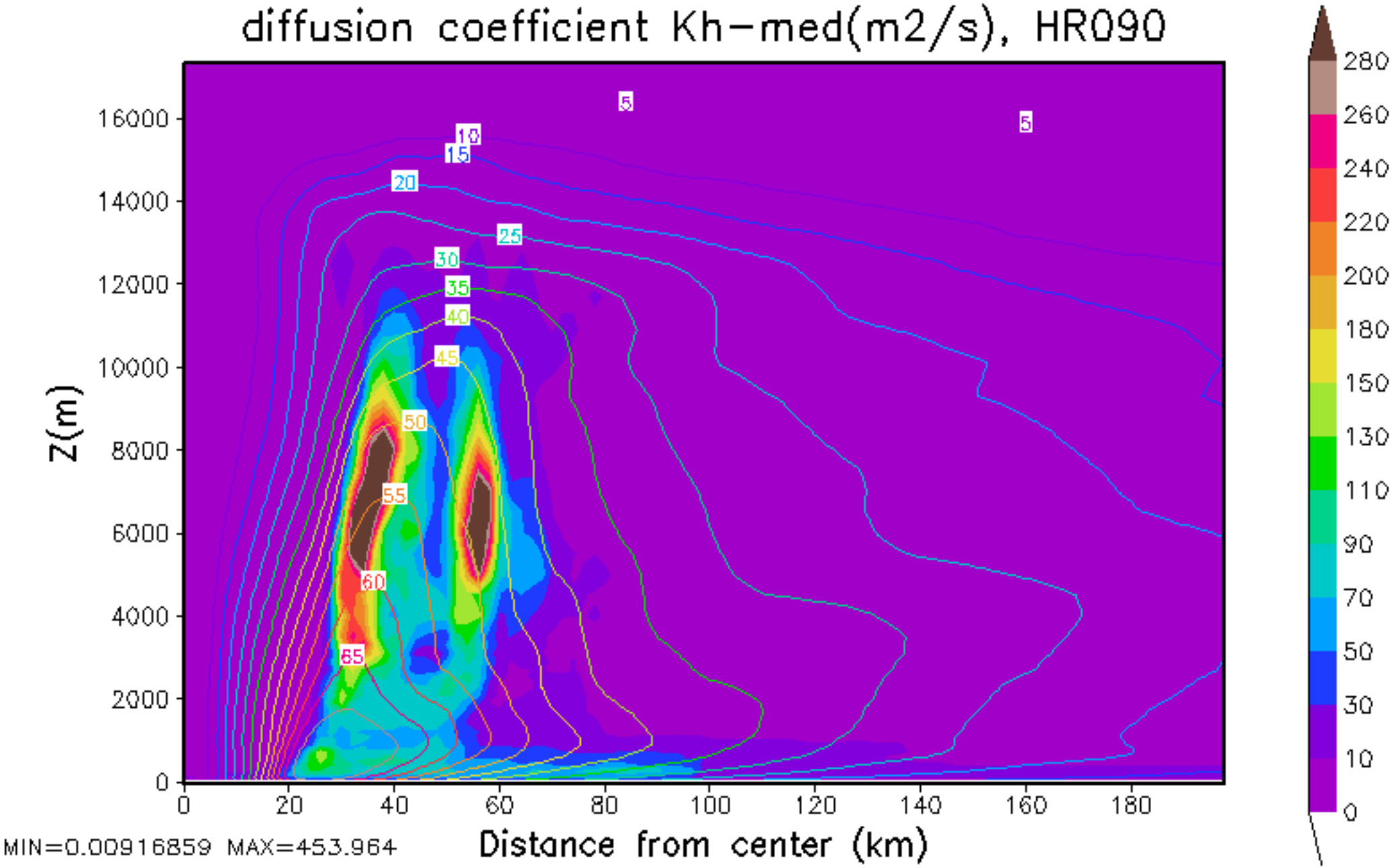
diffusion coefficient Kh-med(m2/s), HR090
Z(m)
Distance from center (km)
MIN=0.00916859 MAX=453.964
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8000
10000
12000
14000
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0
20
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60
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100
120
140
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35
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10
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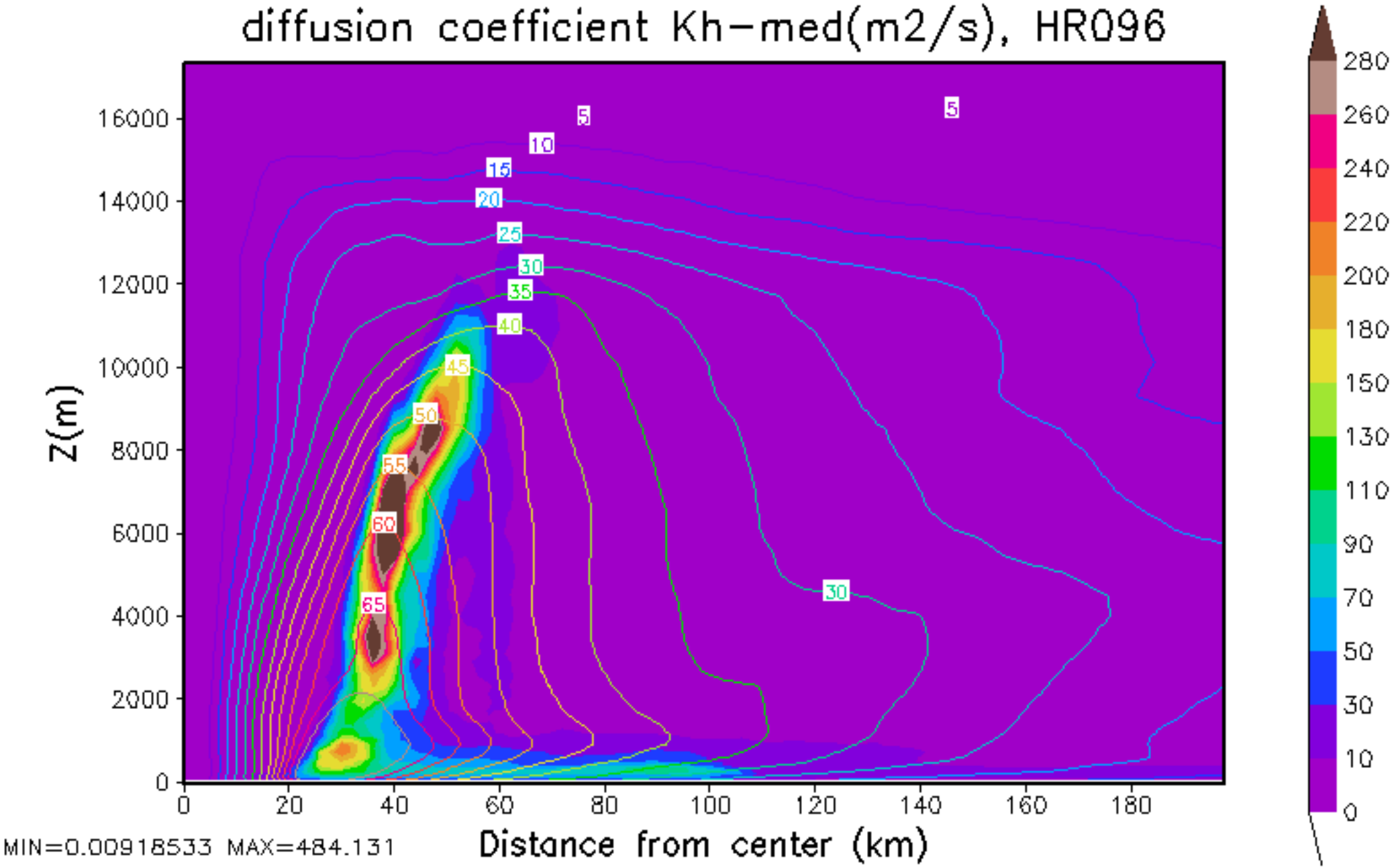
diffusion coefficient Kh-med(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00918533 MAX=484.131
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8000
10000
12000
14000
16000
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20
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100
120
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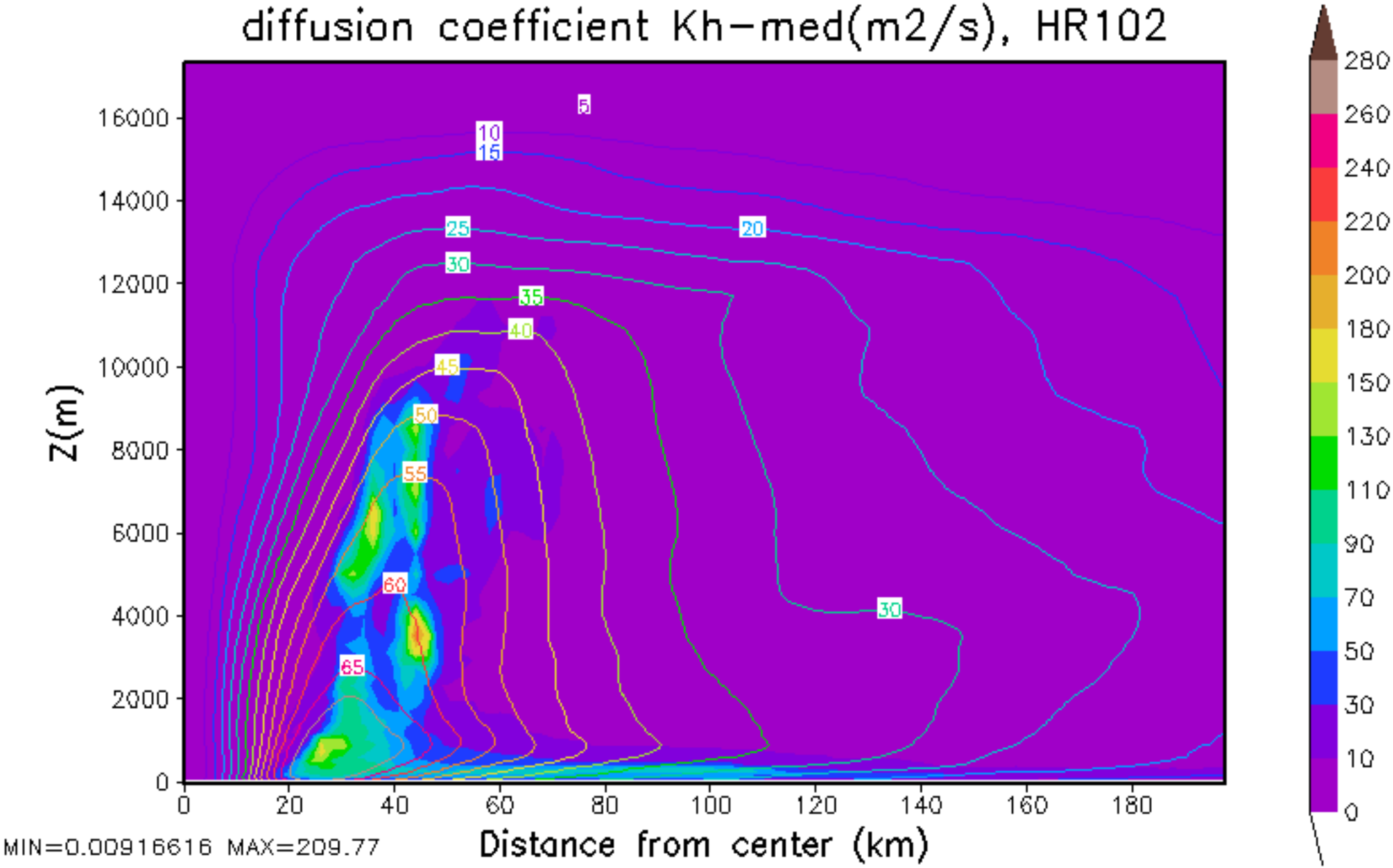
diffusion coefficient Kh-med(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00916616 MAX=209.77
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2000
4000
6000
8000
10000
12000
14000
16000
0
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100
120
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25
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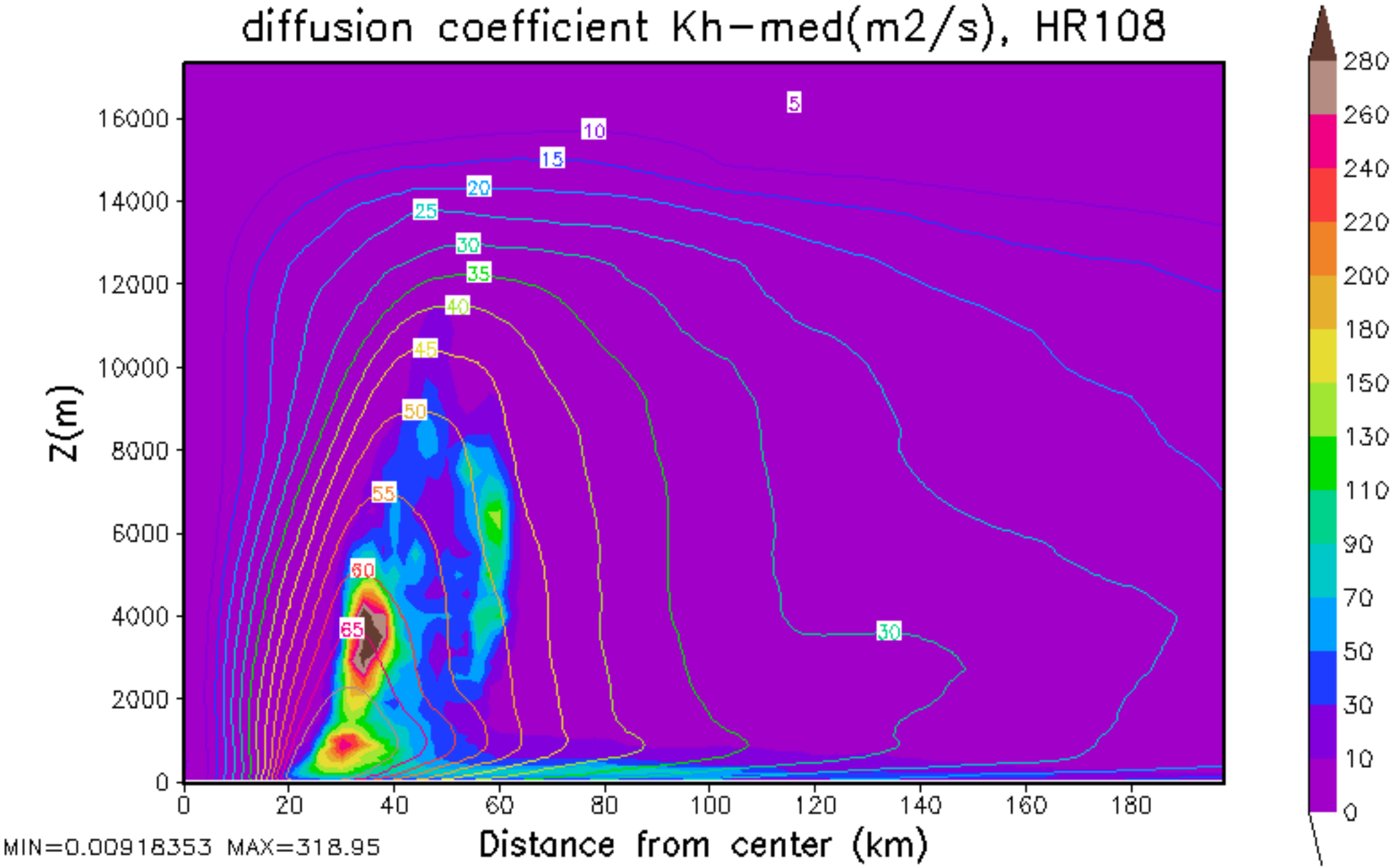
diffusion coefficient Kh-med(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00918353 MAX=318.95
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8000
10000
12000
14000
16000
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60
80
100
120
140
160
180
5
10
15
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25
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35
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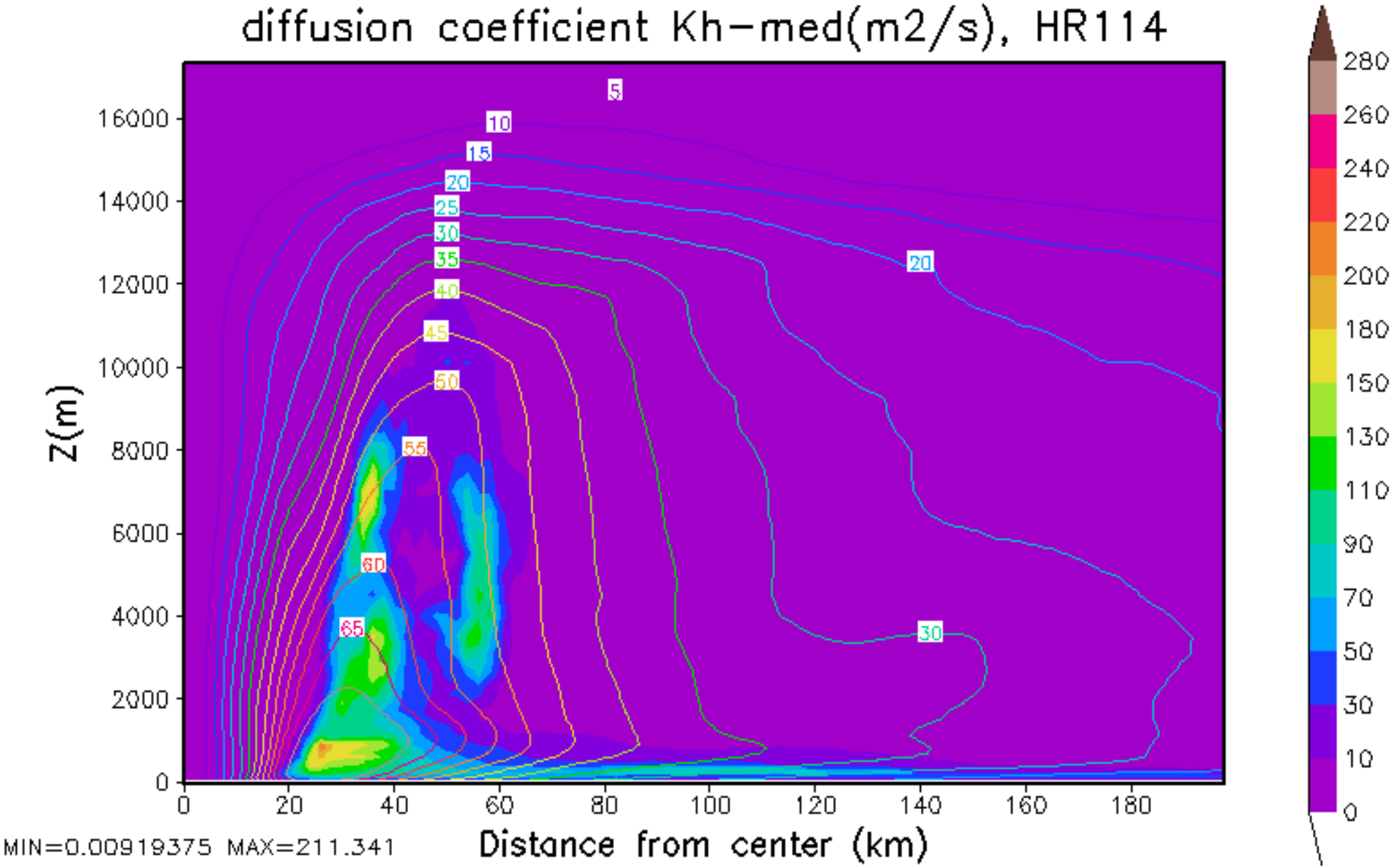
diffusion coefficient Kh-med(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00919375 MAX=211.341
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12000
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16000
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180
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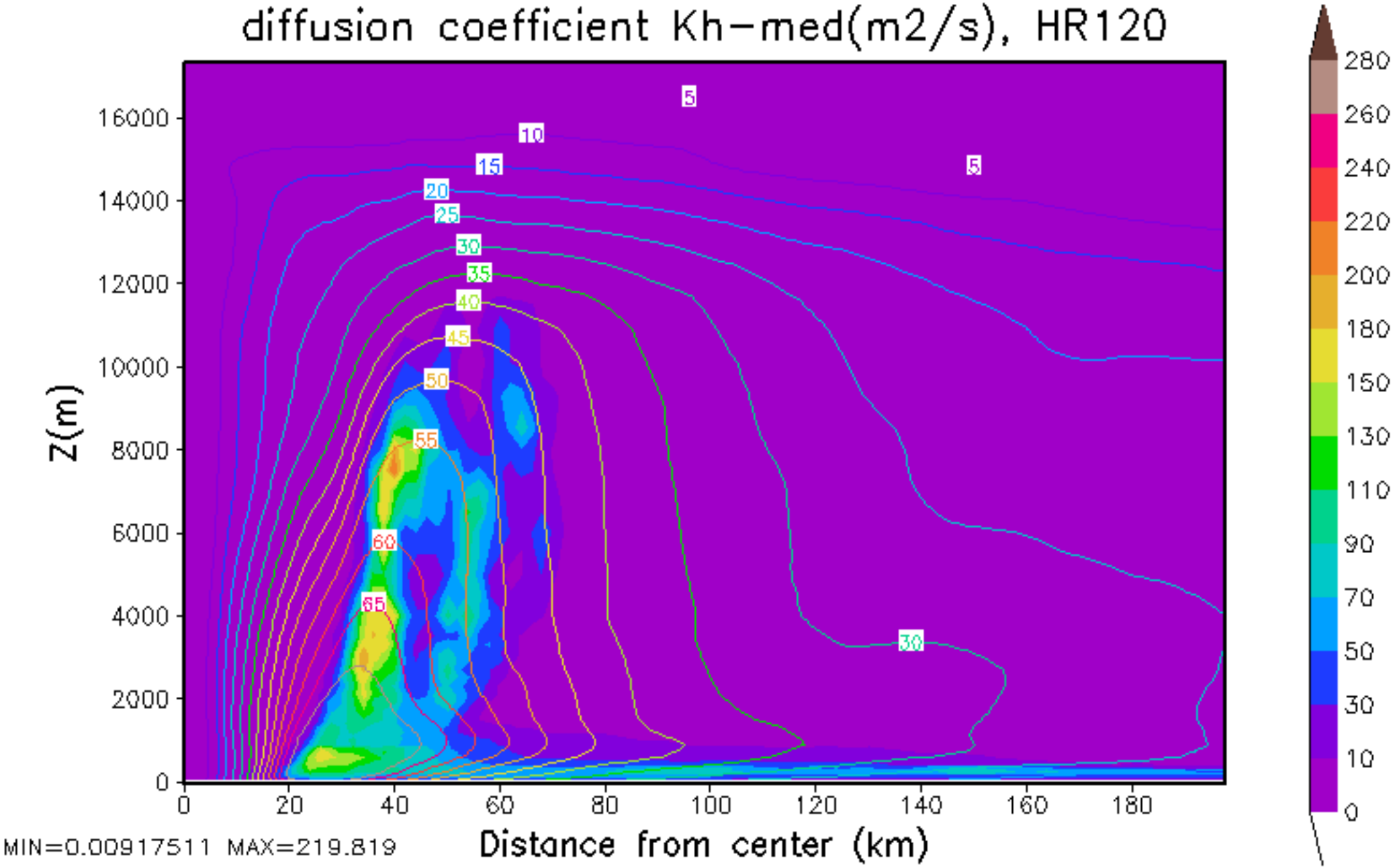
diffusion coefficient Kh-med(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00917511 MAX=219.819
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
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160
180
5
10
15
20
25
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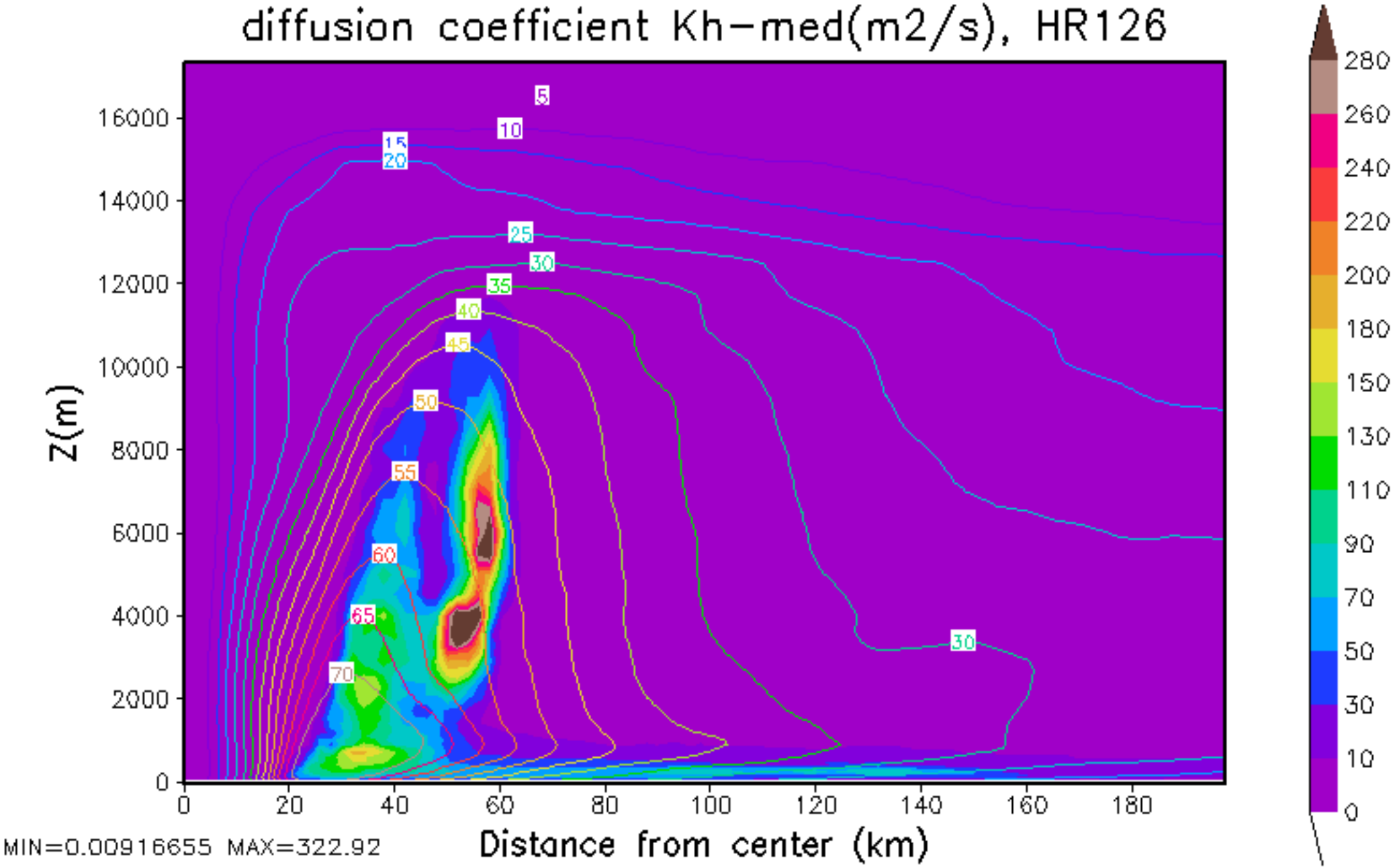
diffusion coefficient Kh-med(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00916655 MAX=322.92
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4000
6000
8000
10000
12000
14000
16000
0
20
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60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
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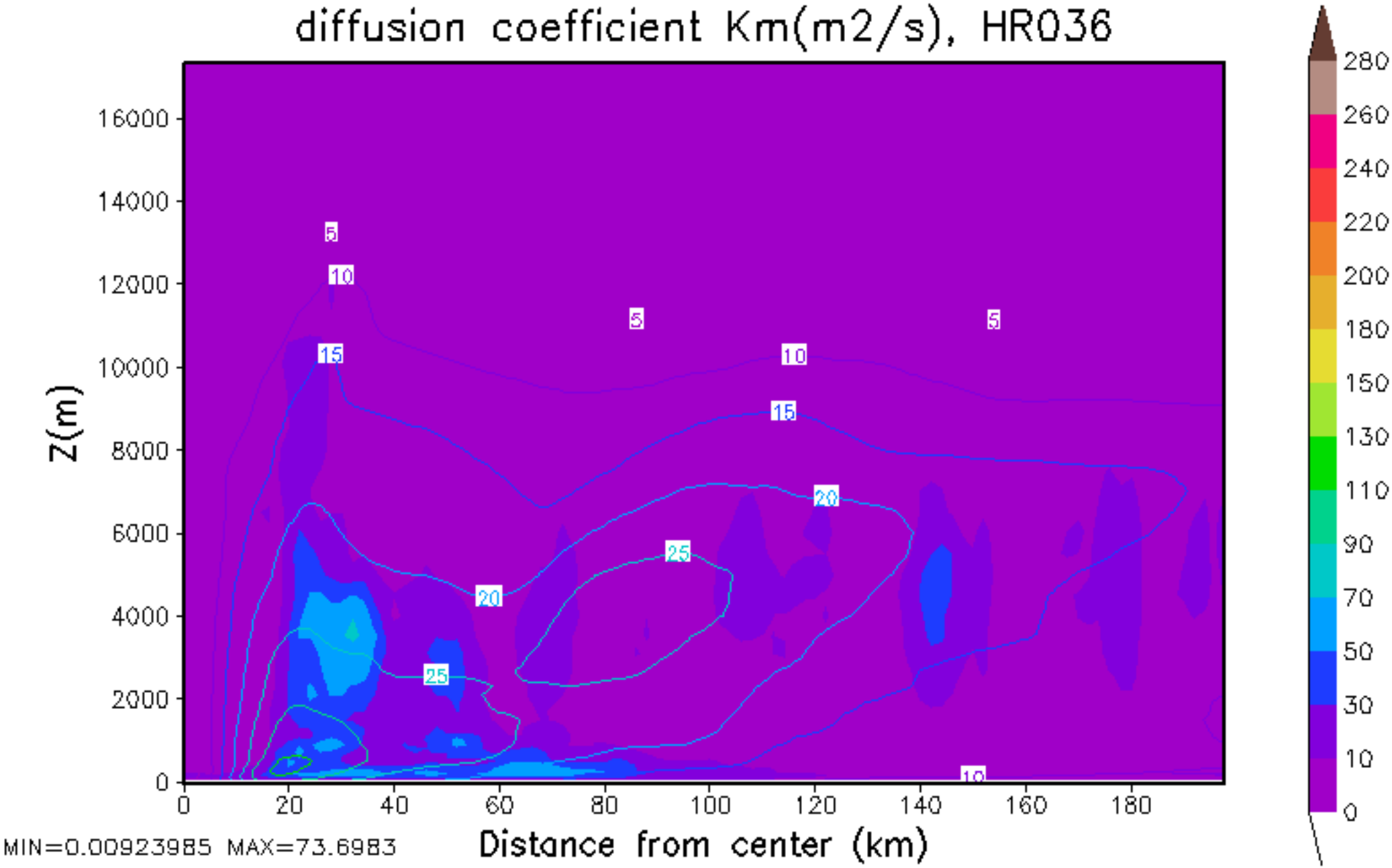
diffusion coefficient Km(m2/s), HR036
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00923985 MAX=73.6983
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25
280
260
240
220
200
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130
110
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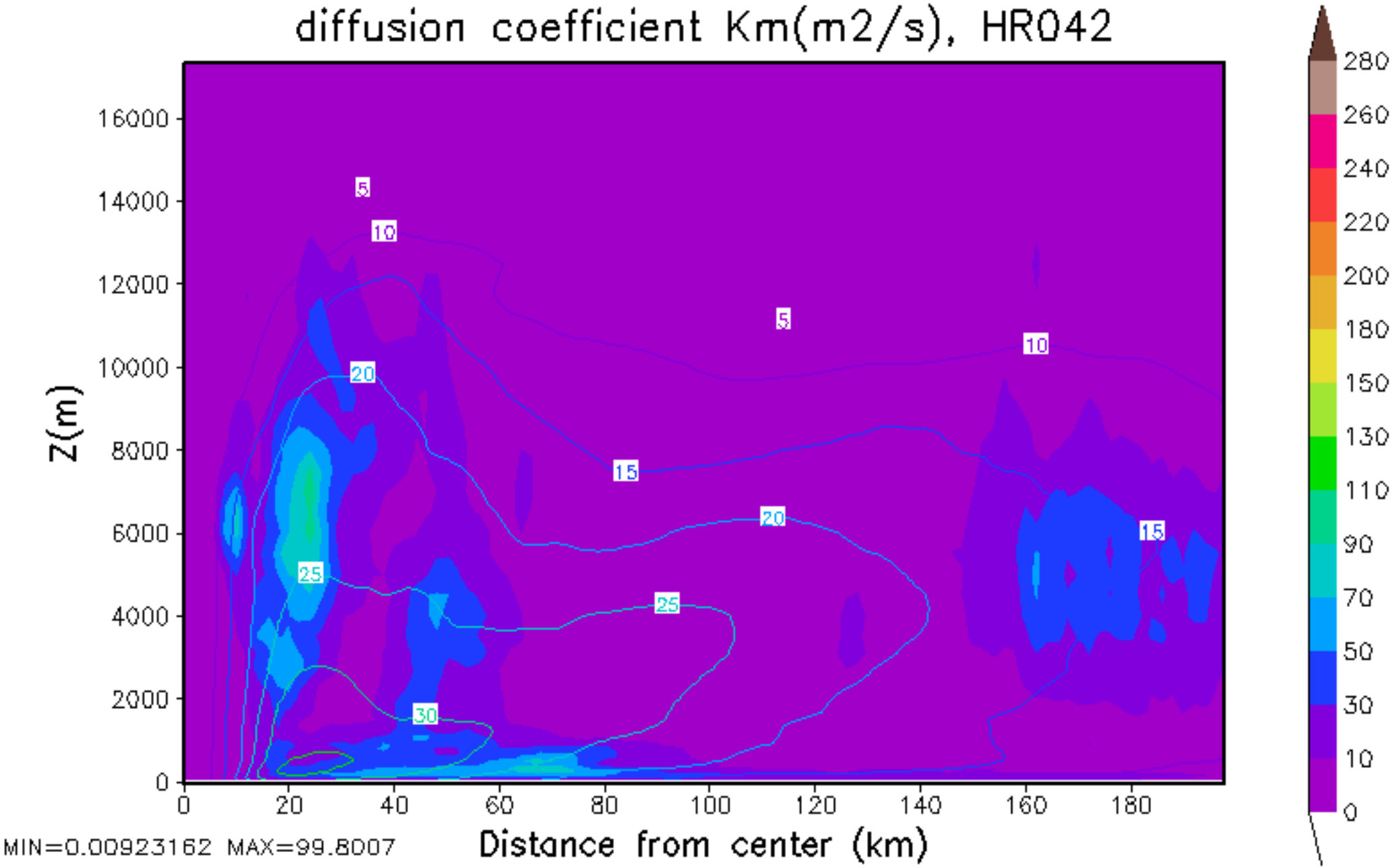
50
30
10
0


diffusion coefficient Km(m2/s), HR042
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)
5
10
20
15
25
30
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260
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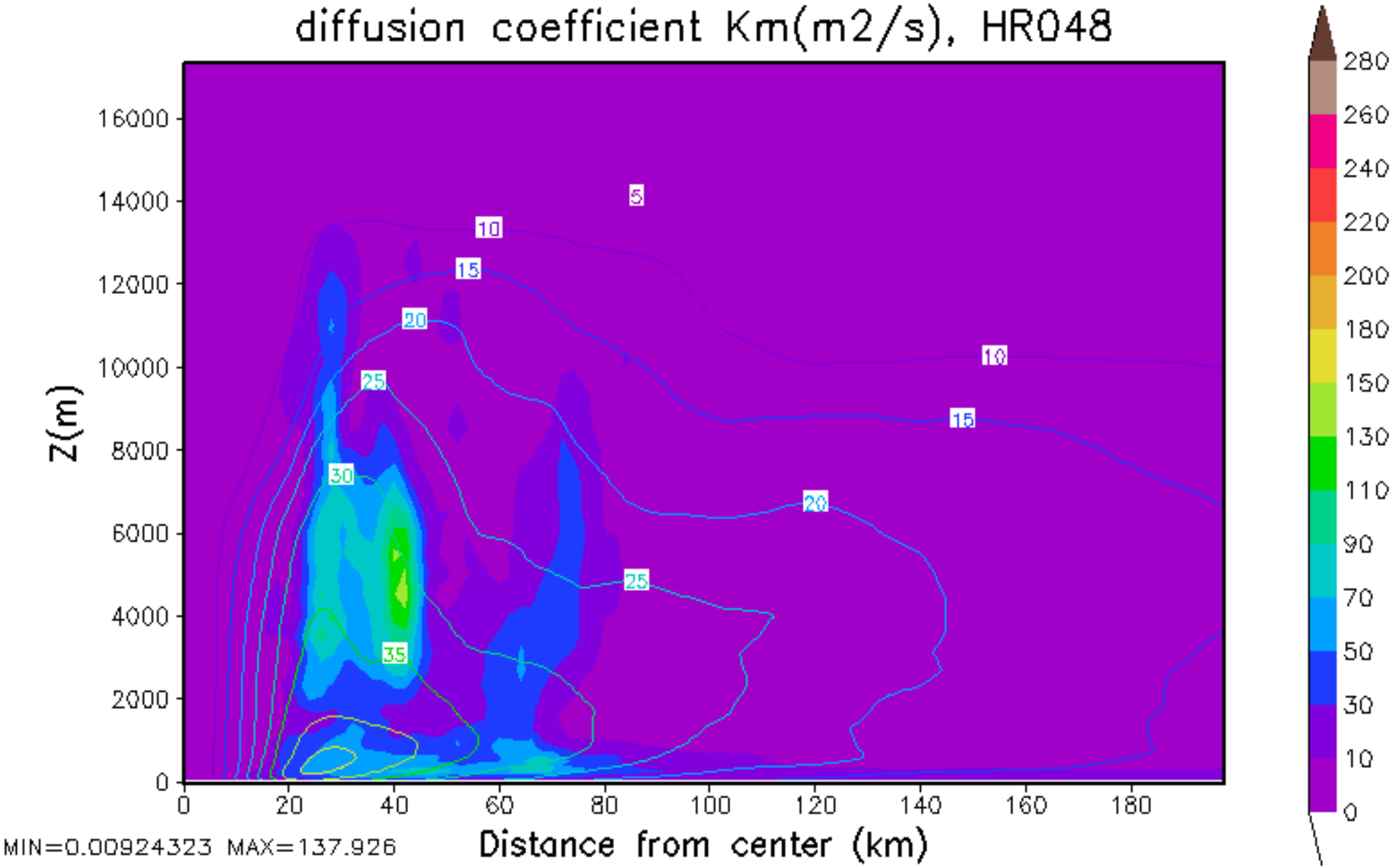
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923162 MAX=99.8007


diffusion coefficient Km(m2/s), 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)
5
10
15
20
25
30
35
10
15
20
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30
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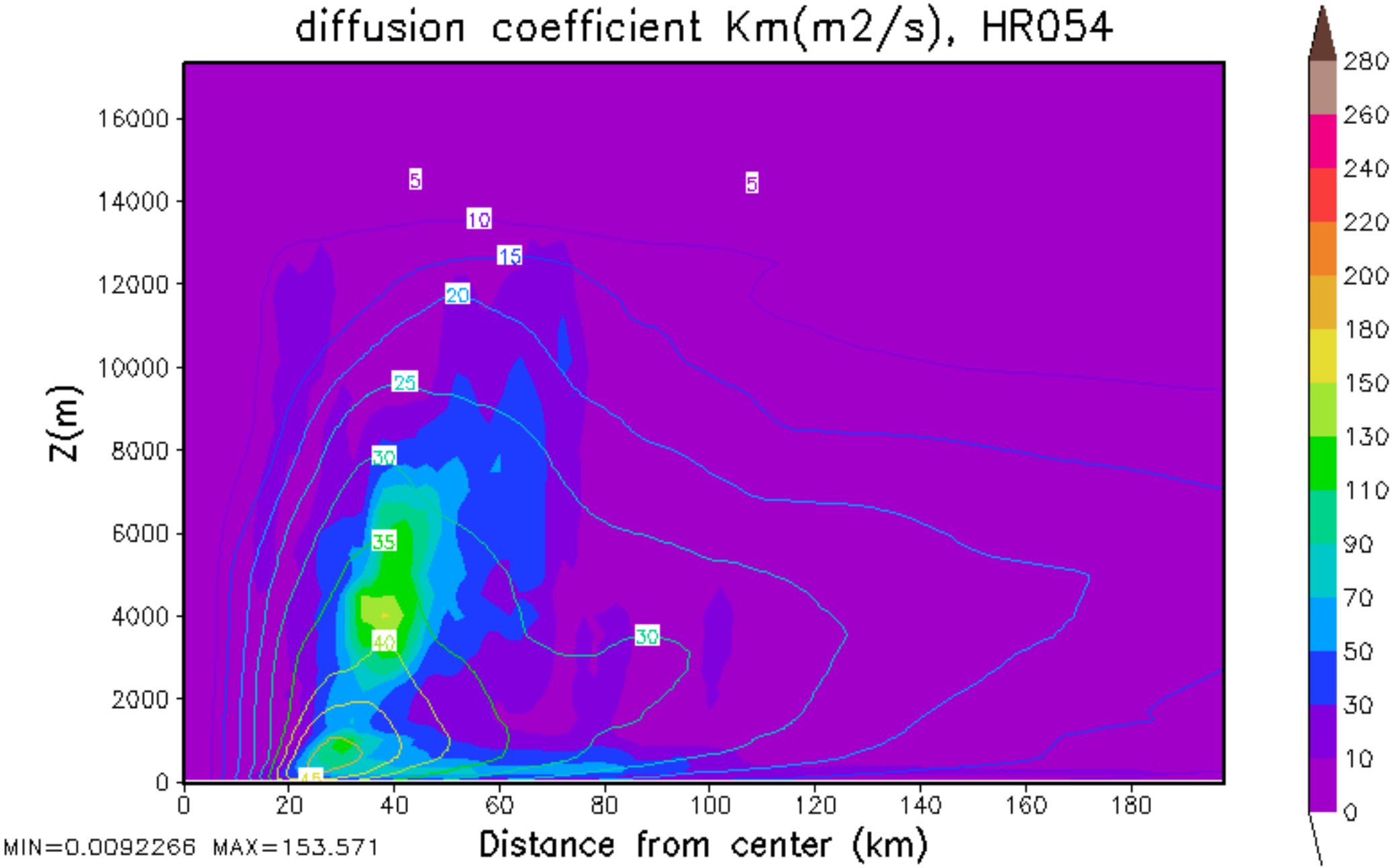
MIN=0.00924323 MAX=137.926


diffusion coefficient Km(m2/s), HR054
Z(m)
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14000
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10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
10
15
20
25
30
35
40
30
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260
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220
200
180
150
130
110
90
70
50
30
10
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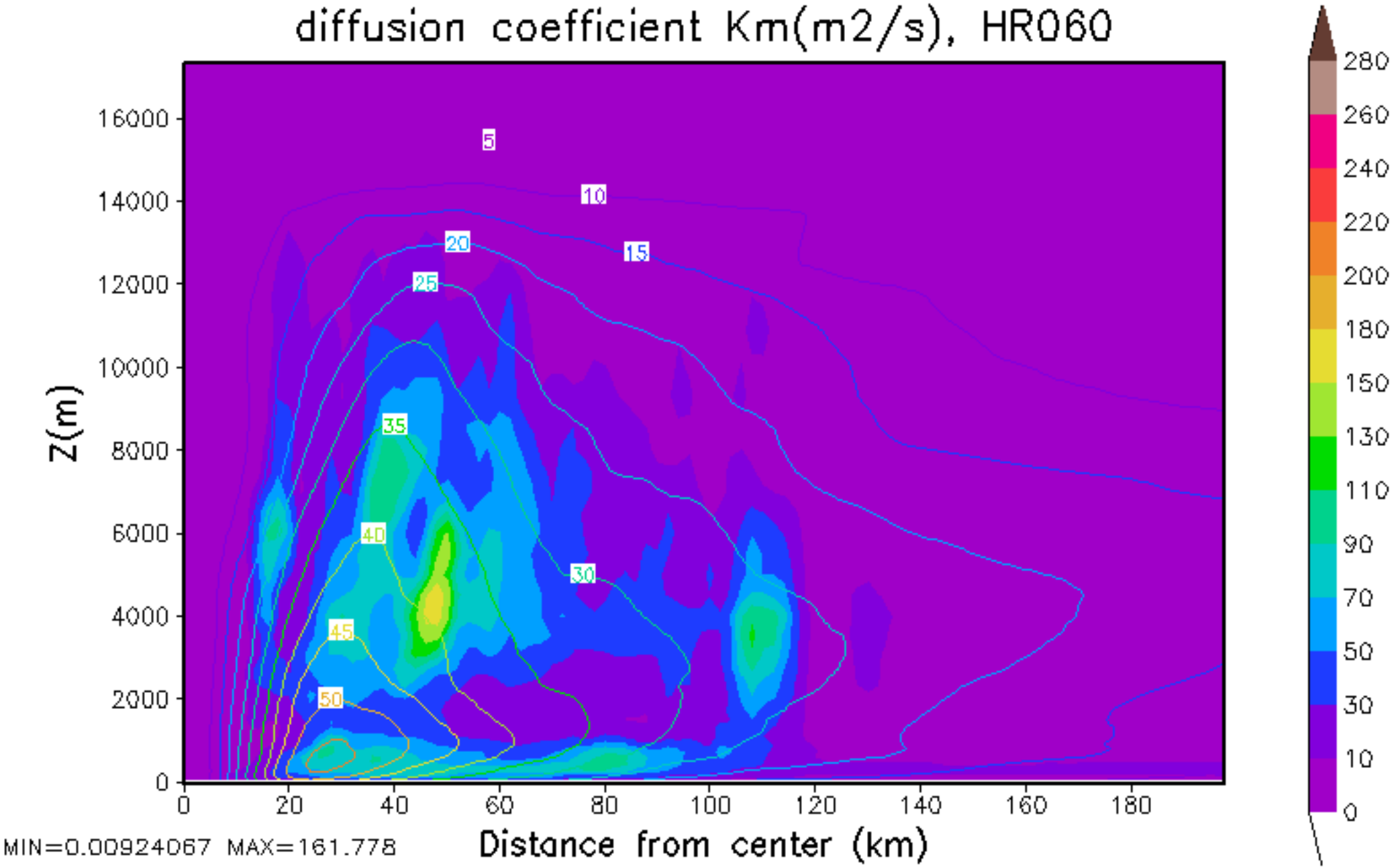
MIN=0.0092266 MAX=153.571


diffusion coefficient Km(m2/s), HR060
Z(m)
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14000
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10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
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200
180
150
130
110
90
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50
30
10
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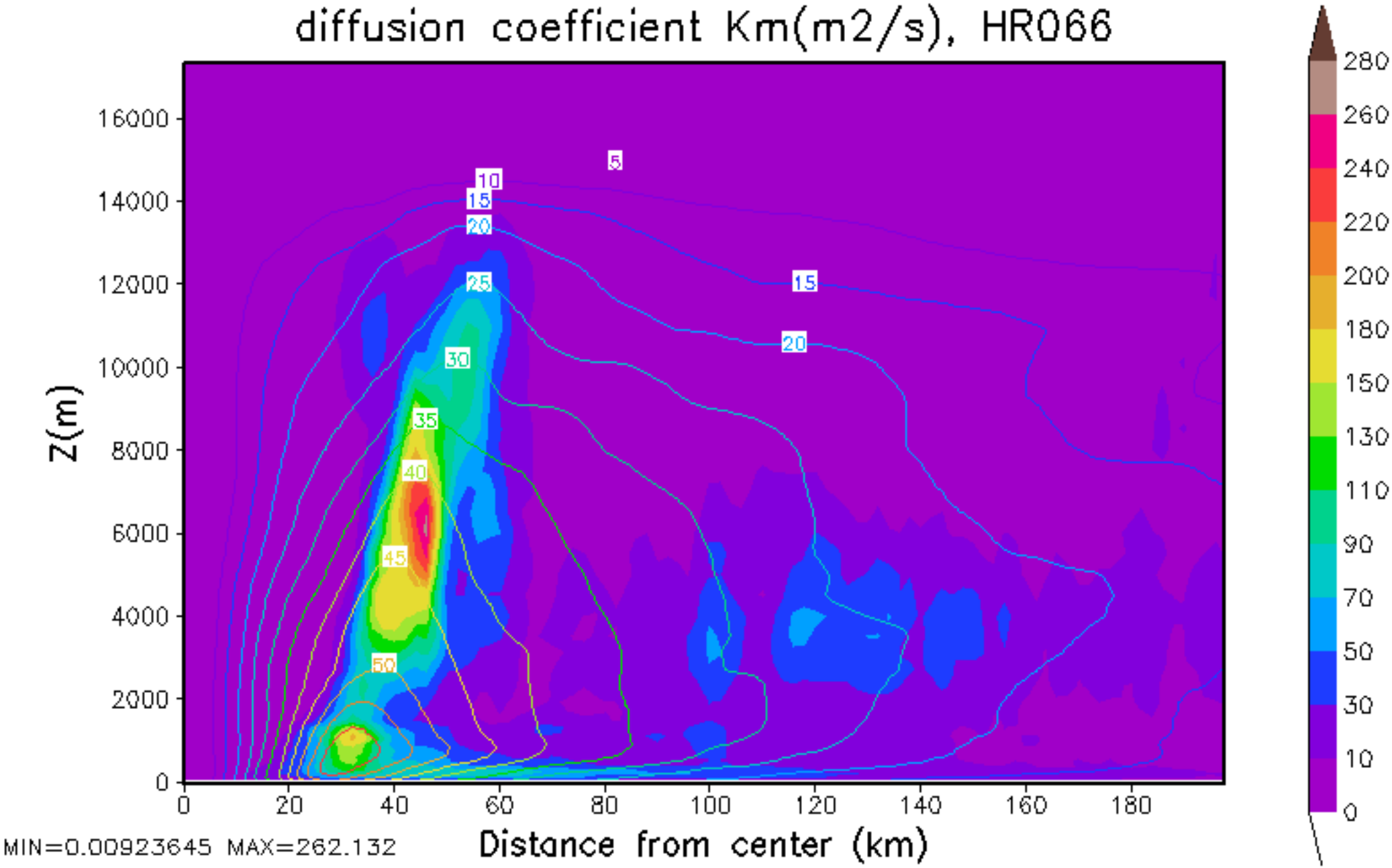
MIN=0.00924067 MAX=161.778


diffusion coefficient Km(m2/s), HR066
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)
5
10
15
20
25
30
35
40
45
50
15
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90
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50
30
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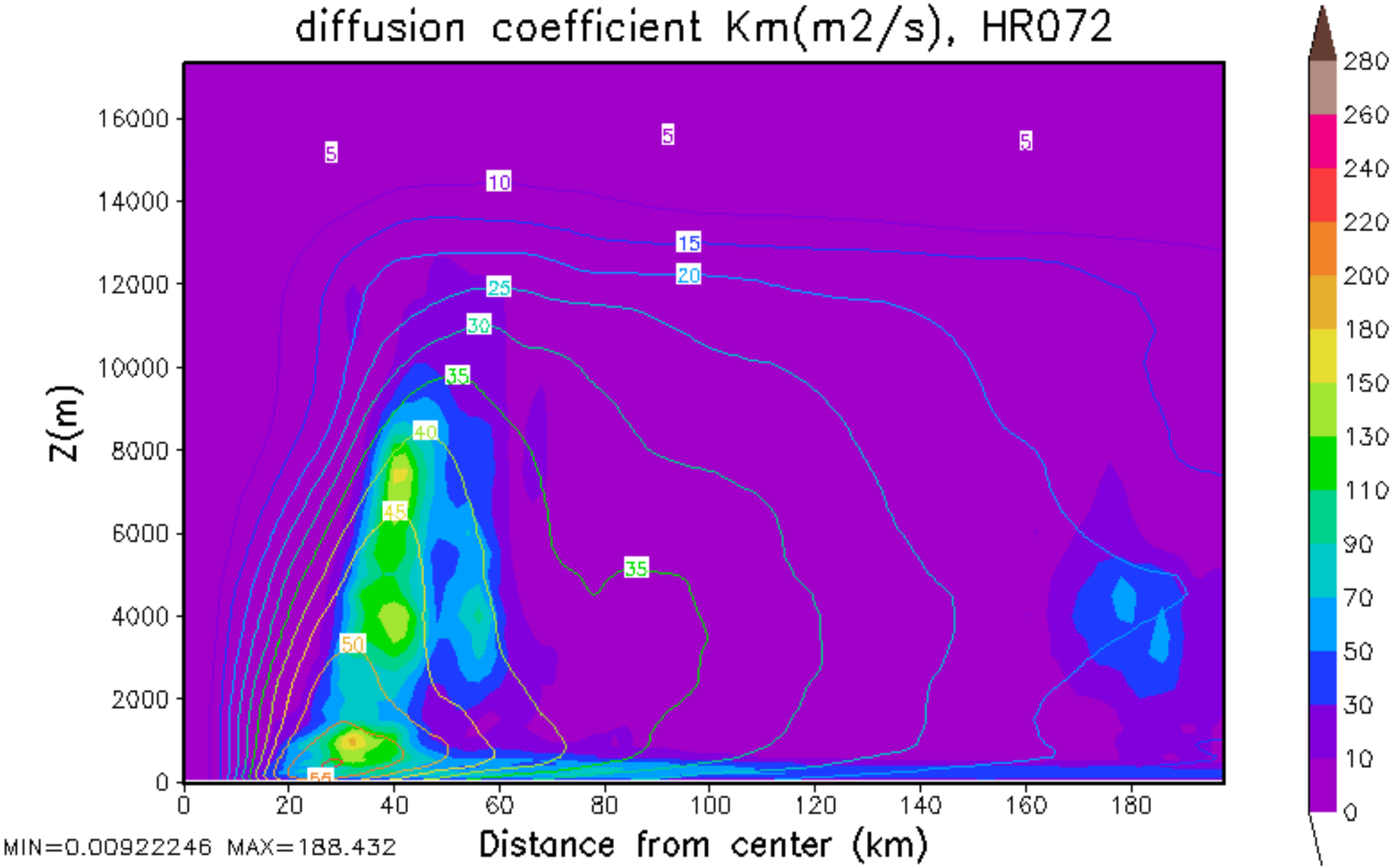
MIN=0.00923645 MAX=262.132


diffusion coefficient Km(m2/s), HR072
Z(m)
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14000
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10000
8000
6000
4000
2000
0
0
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60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
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180
150
130
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90
70
50
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10
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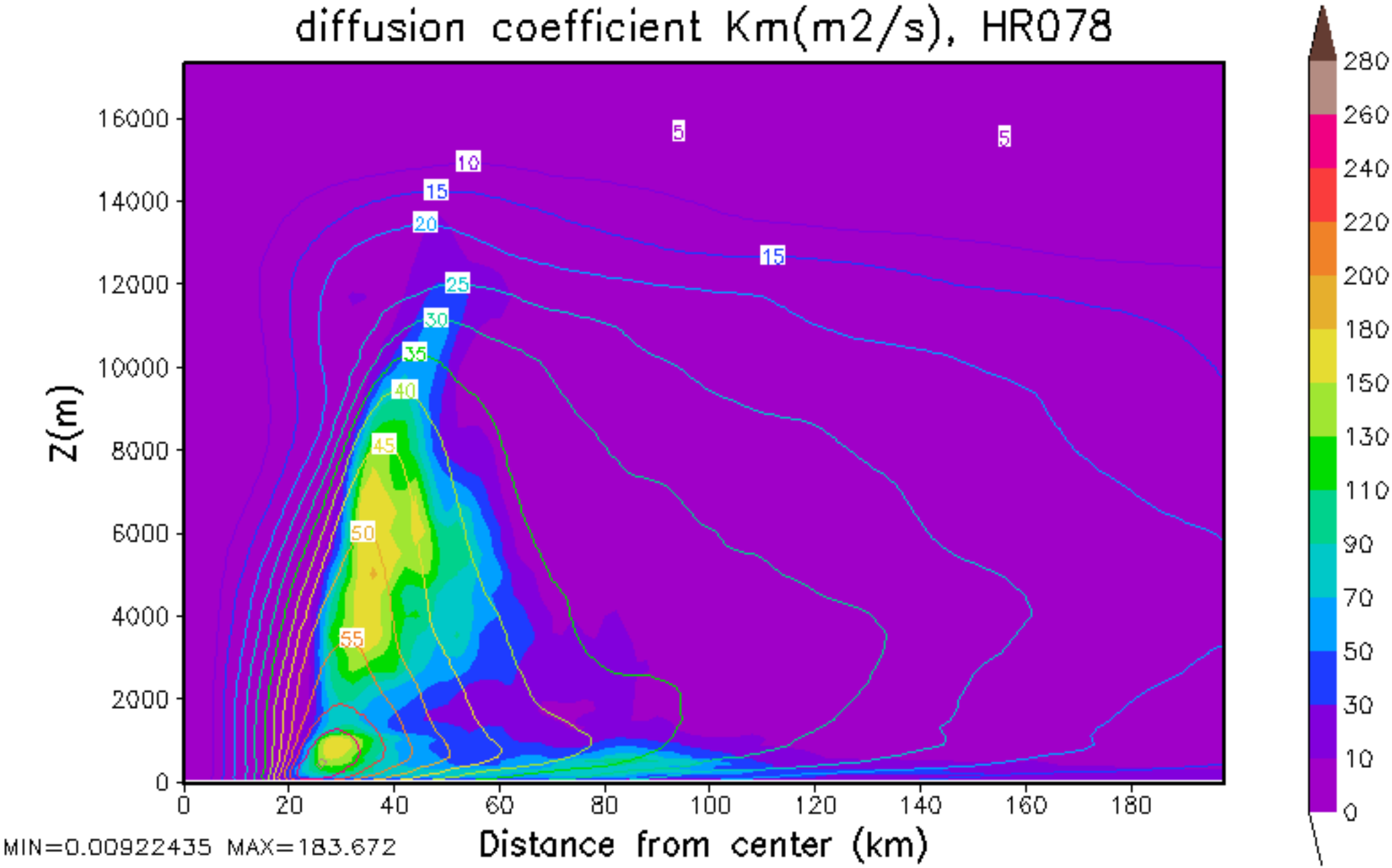
MIN=0.00922246 MAX=188.432


diffusion coefficient Km(m2/s), HR078
Z(m)
Distance from center (km)
MIN=0.00922435 MAX=183.672
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8000
10000
12000
14000
16000
0
20
40
60
80
100
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160
180
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5
10
15
15
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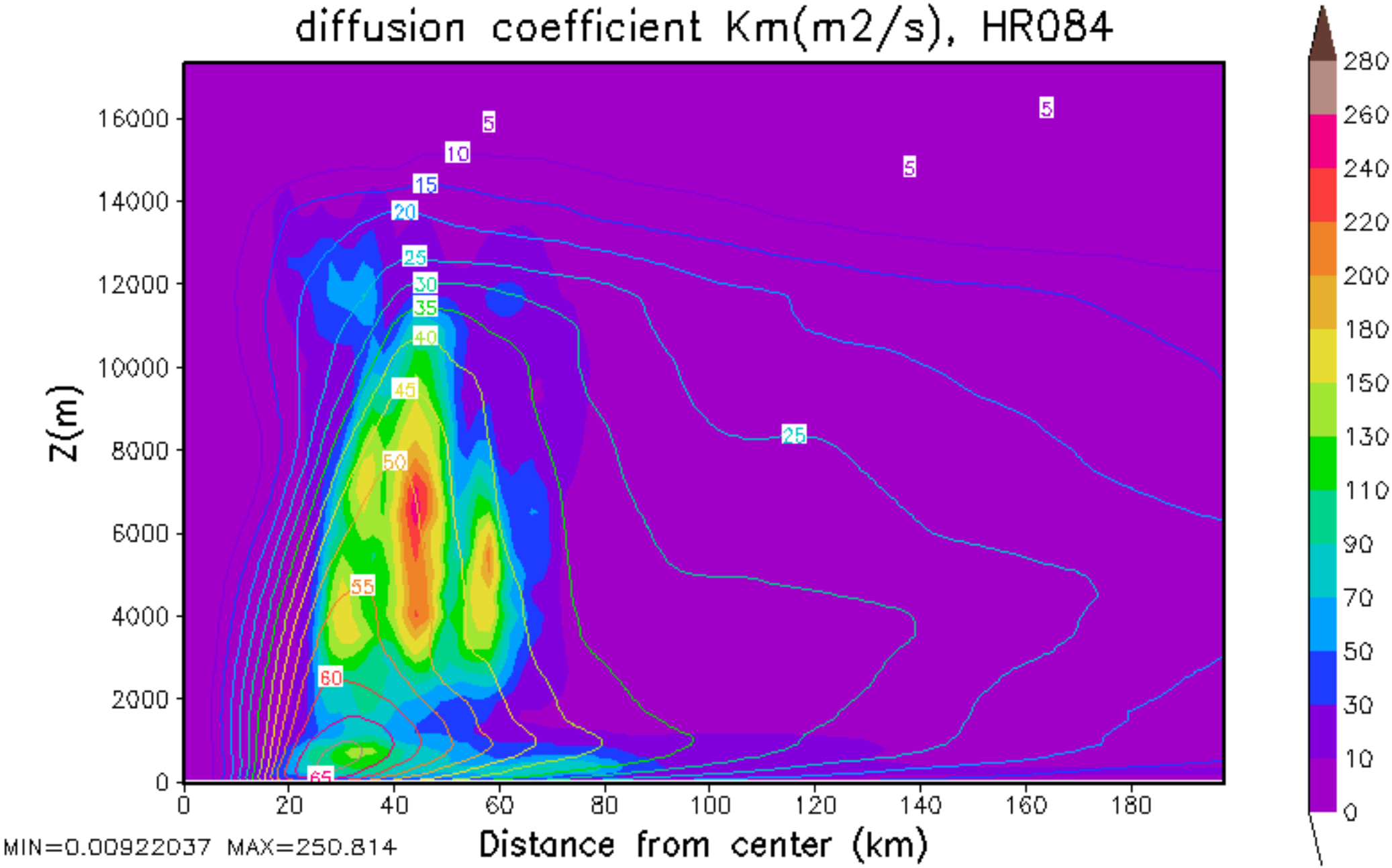
10
0


diffusion coefficient Km(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.00922037 MAX=250.814
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6000
8000
10000
12000
14000
16000
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40
60
80
100
120
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180
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45
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220
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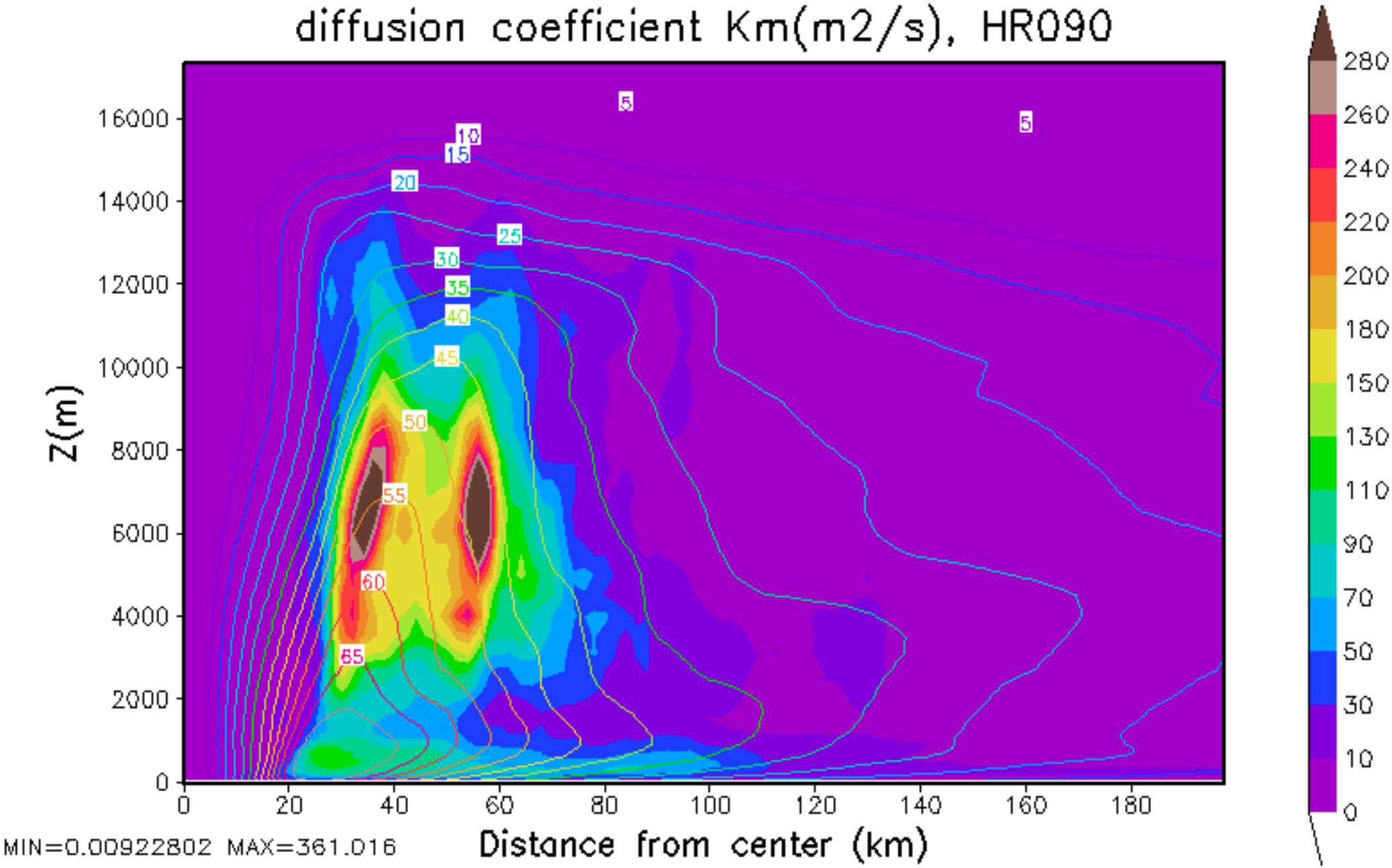
260
280


diffusion coefficient Km(m2/s), HR090
Z(m)
Distance from center (km)
MIN=0.00922802 MAX=361.016
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8000
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16000
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100
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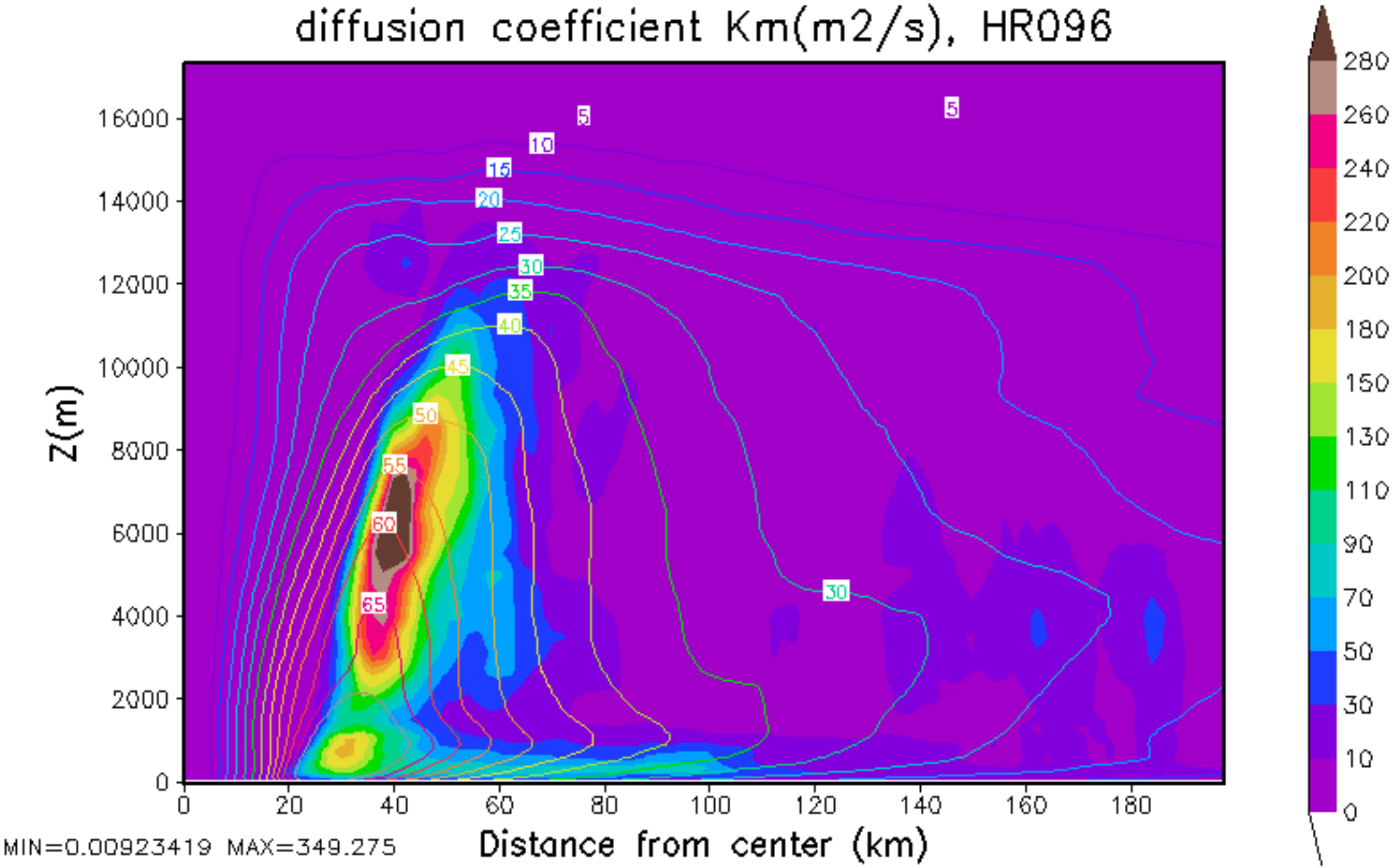
diffusion coefficient Km(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00923419 MAX=349.275
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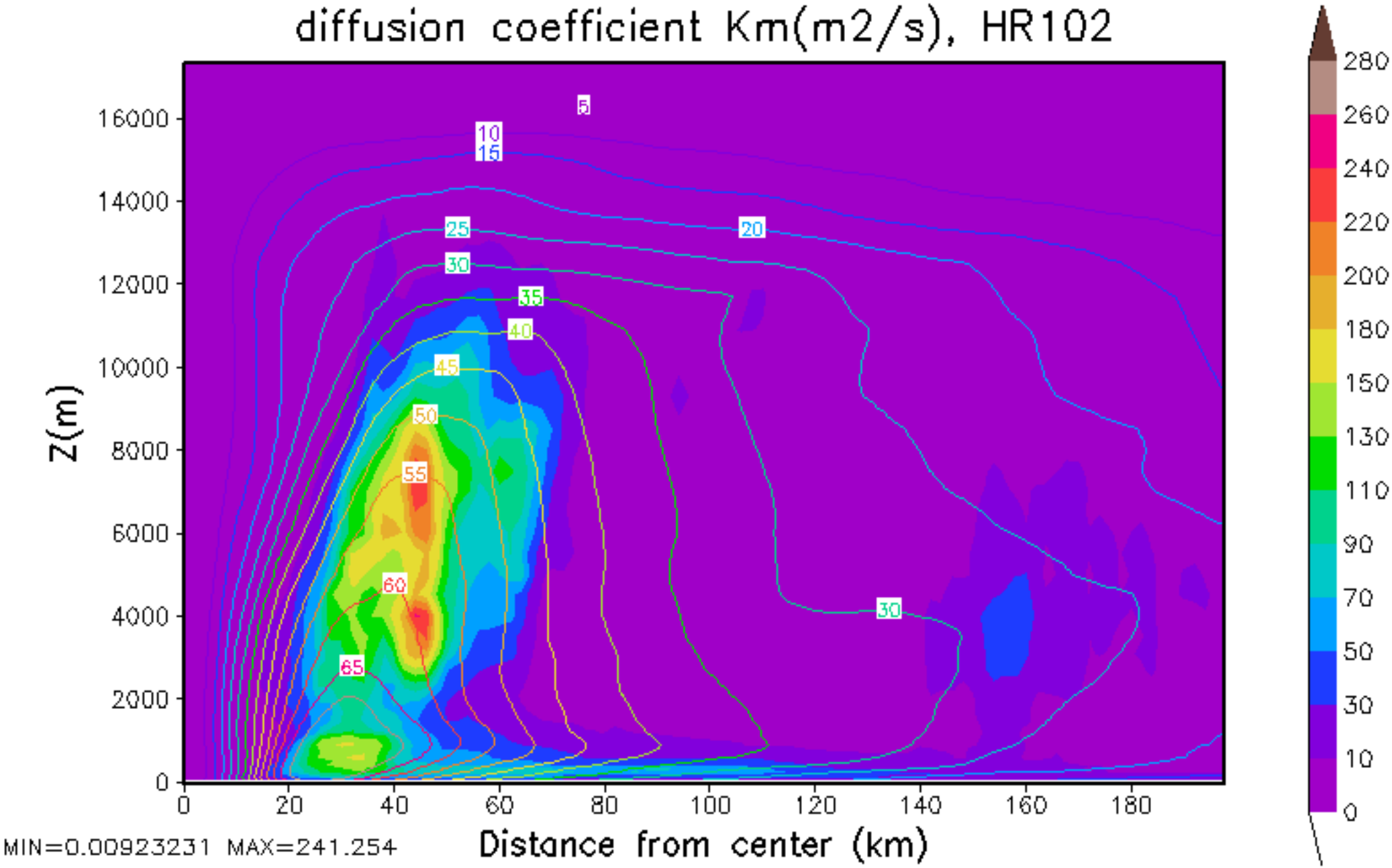
diffusion coefficient Km(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00923231 MAX=241.254
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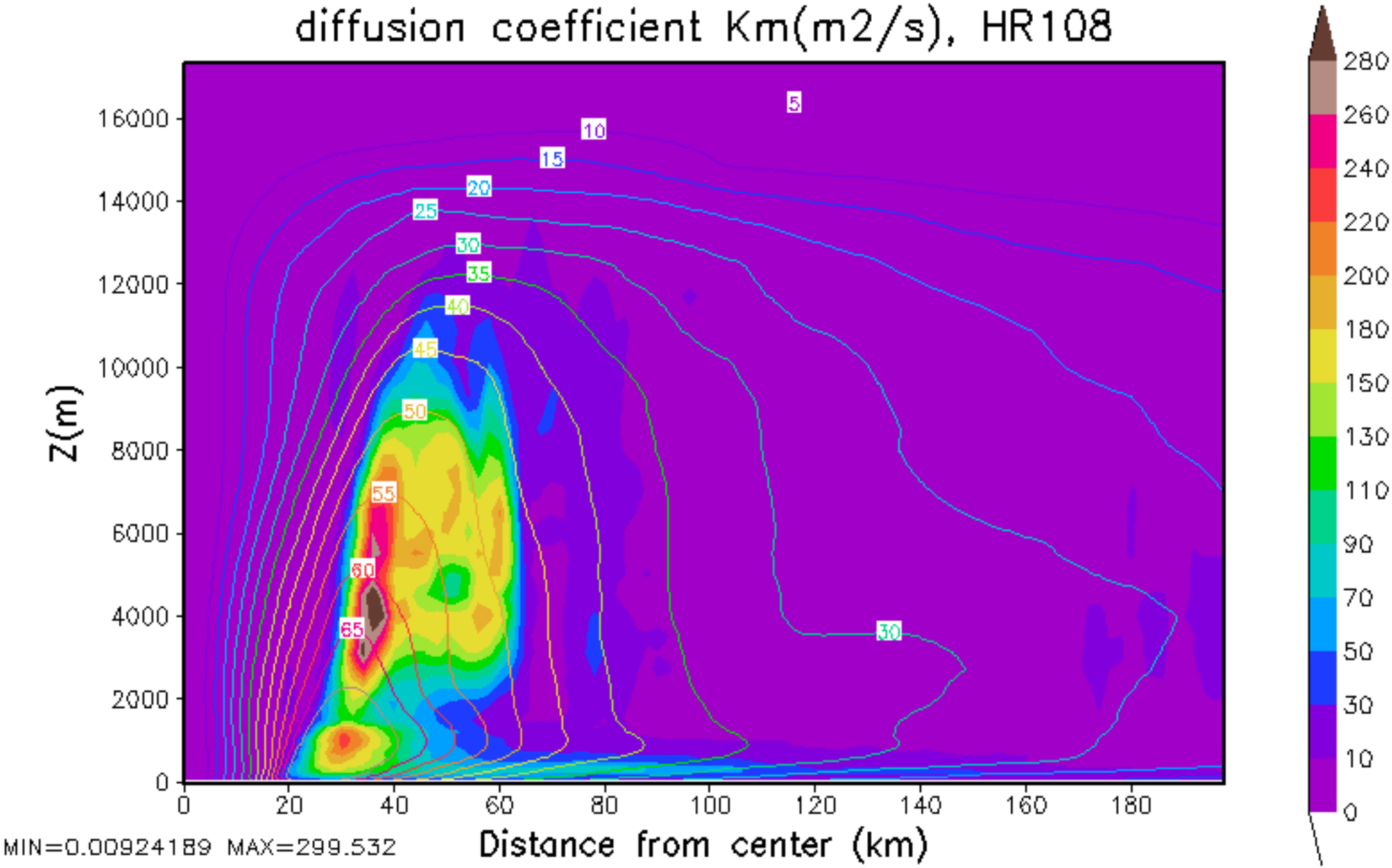
diffusion coefficient Km(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00924189 MAX=299.532
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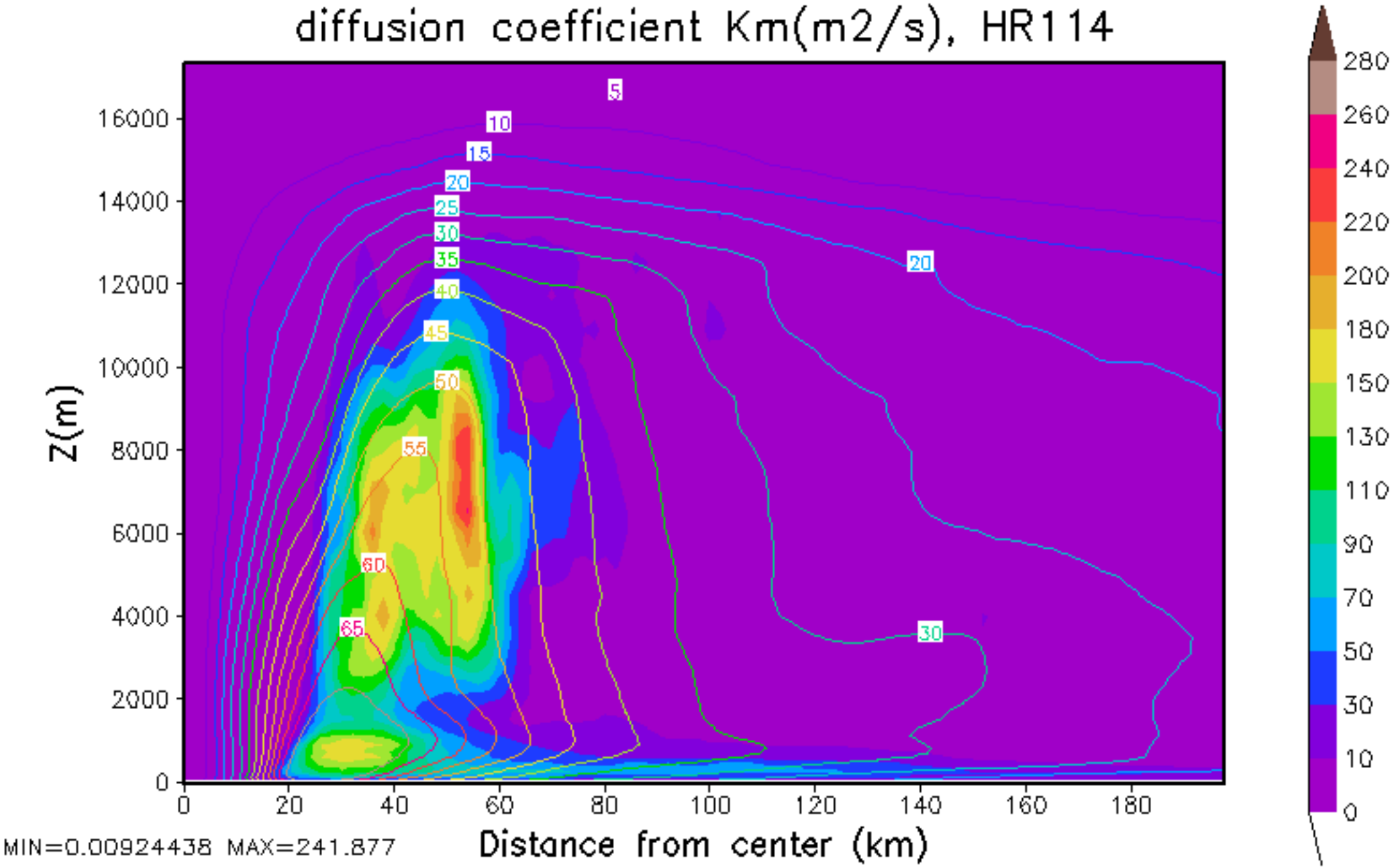
diffusion coefficient Km(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00924438 MAX=241.877
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8000
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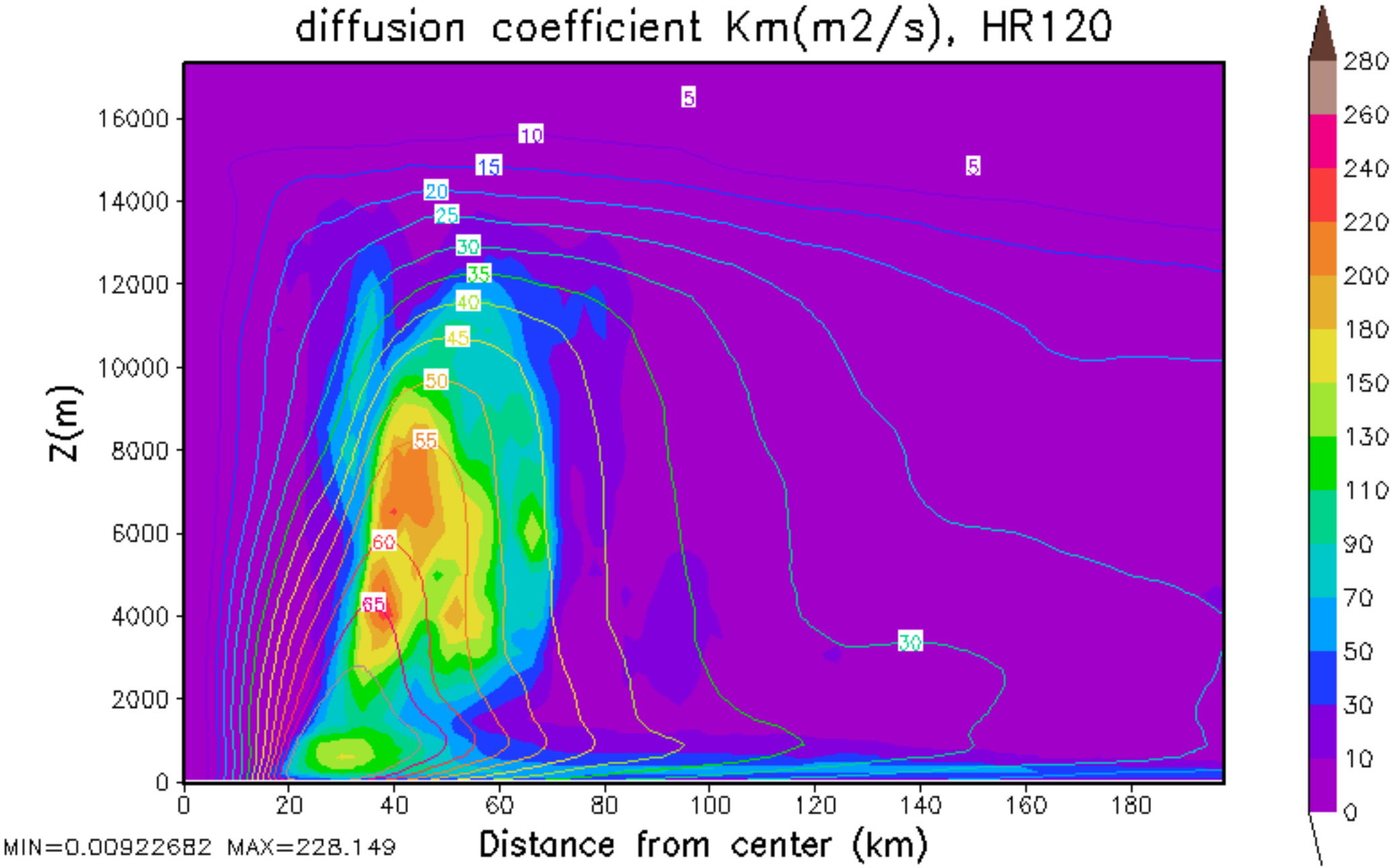
diffusion coefficient Km(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00922682 MAX=228.149
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2000
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8000
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12000
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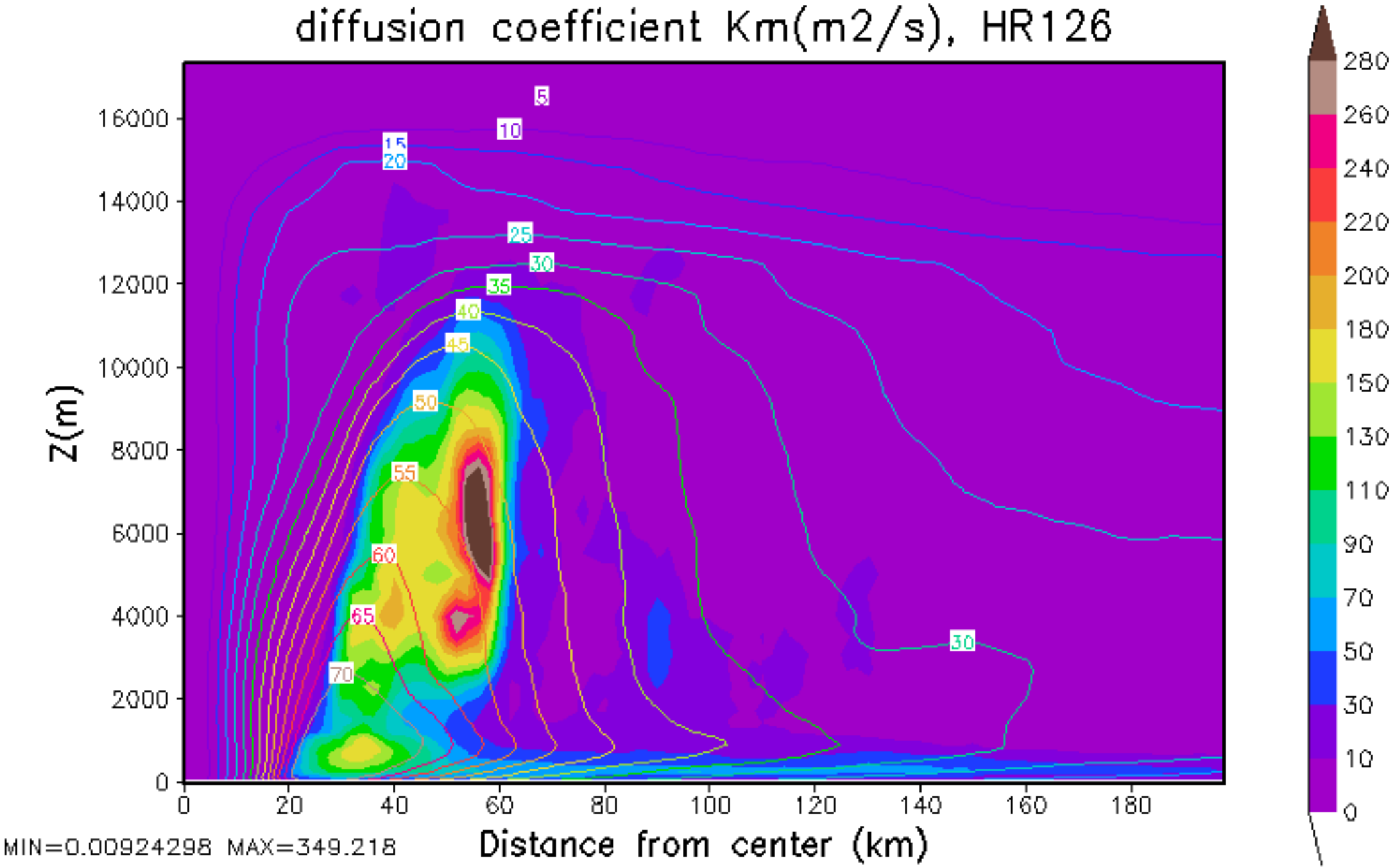
diffusion coefficient Km(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00924298 MAX=349.218
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8000
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12000
14000
16000
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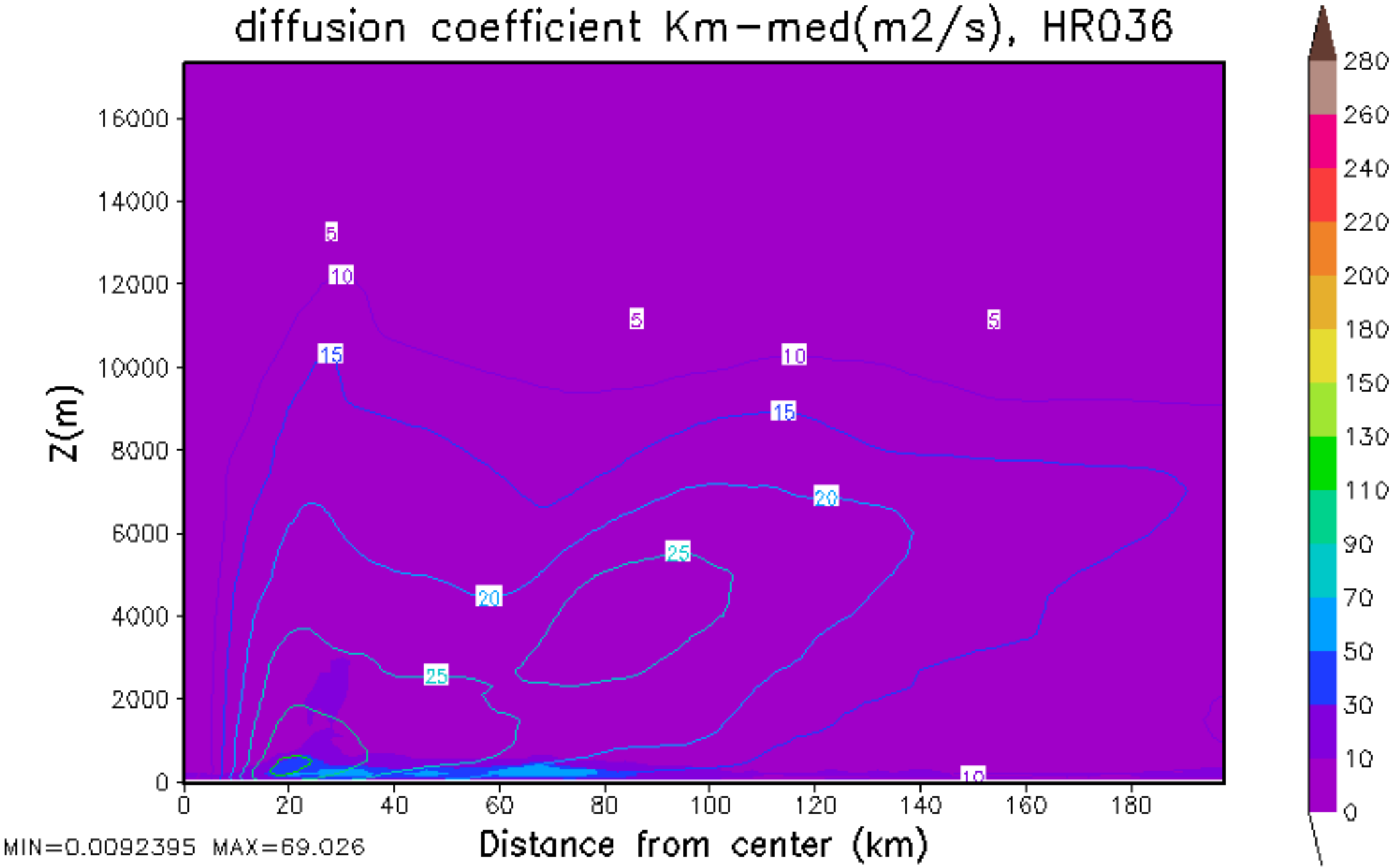
diffusion coefficient Km-med(m2/s), HR036
Z(m)
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12000
10000
8000
6000
4000
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80
100
120
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160
180
Distance from center (km)
MIN=0.0092395 MAX=69.026
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220
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30
10
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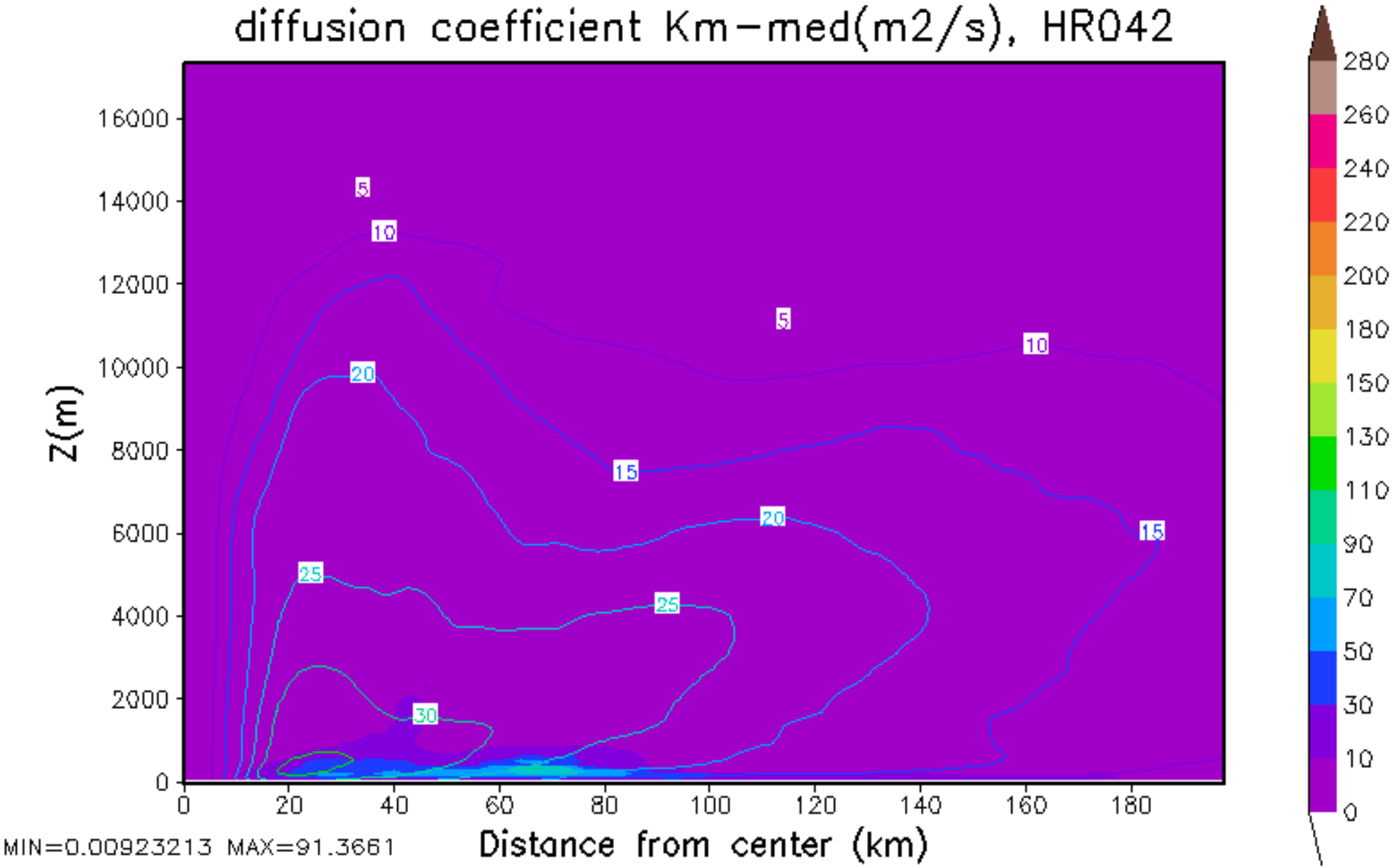
diffusion coefficient Km-med(m2/s), HR042
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
20
15
25
30
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150
130
110
90
70
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30
10
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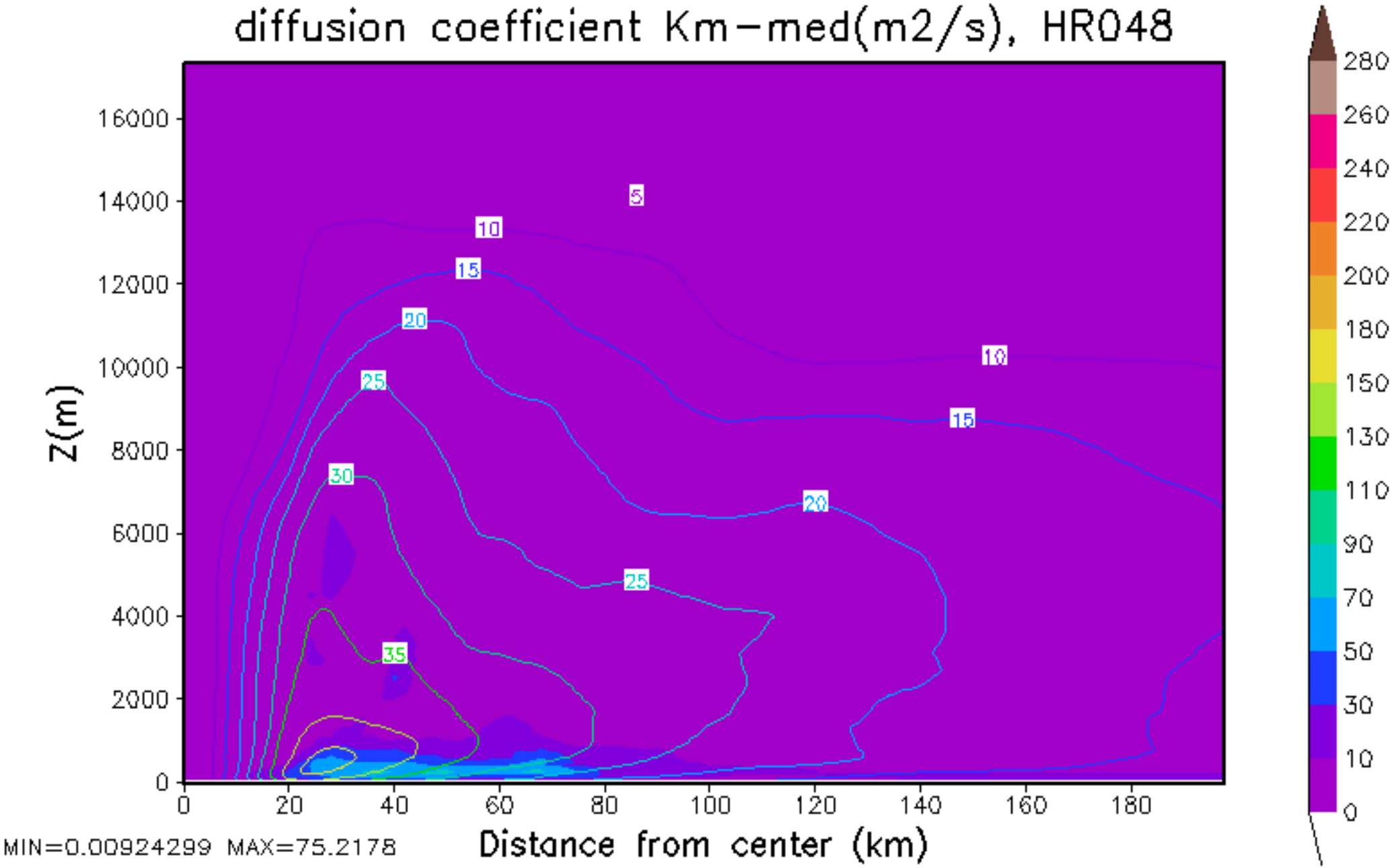
MIN=0.00923213 MAX=91.3661


diffusion coefficient Km-med(m2/s), HR048
Z(m)
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6000
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80
100
120
140
160
180
Distance from center (km)
MIN=0.00924299 MAX=75.2178
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10
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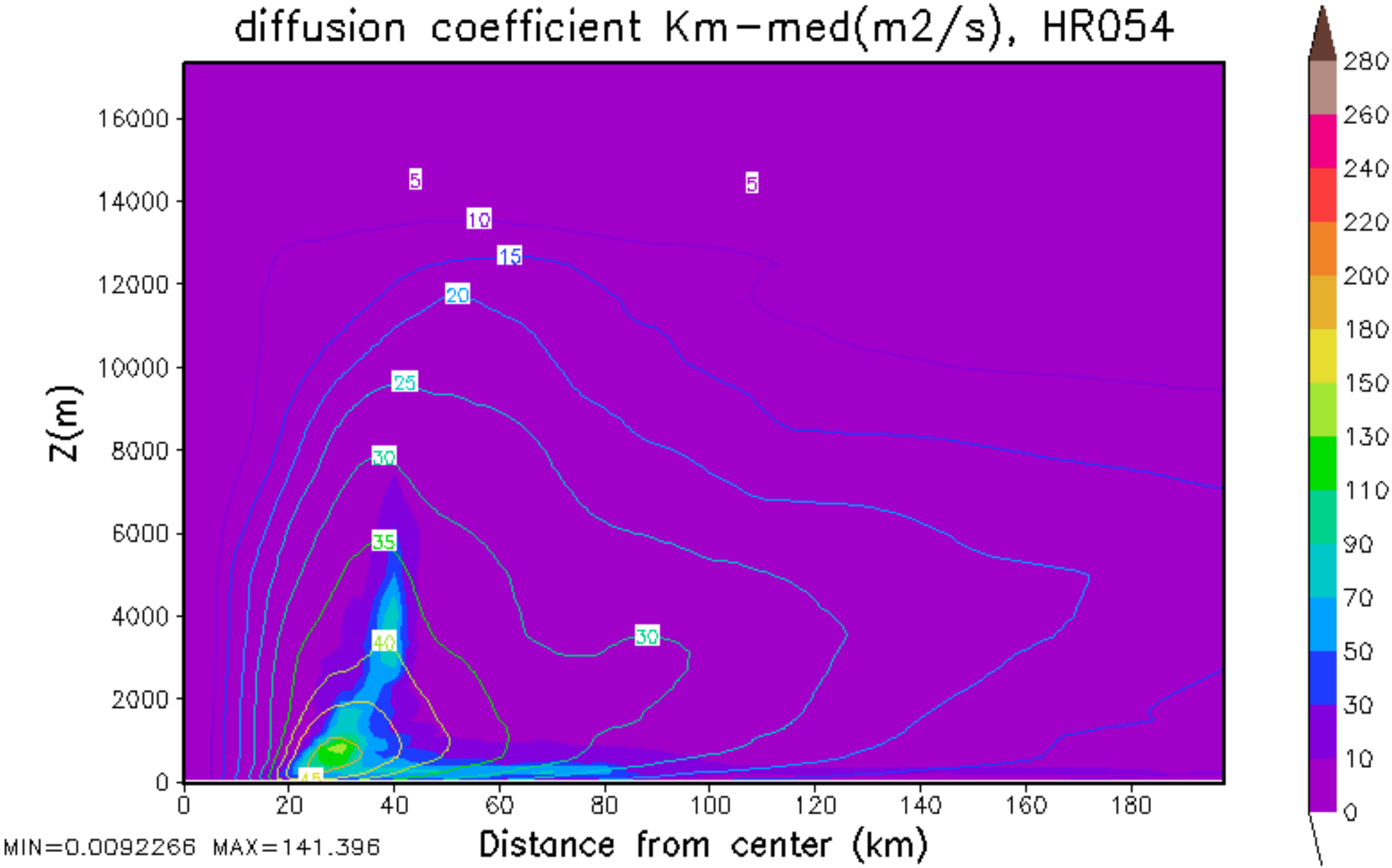
diffusion coefficient Km-med(m2/s), HR054
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
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15
20
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30
35
40
30
MIN=0.0092266 MAX=141.396
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10
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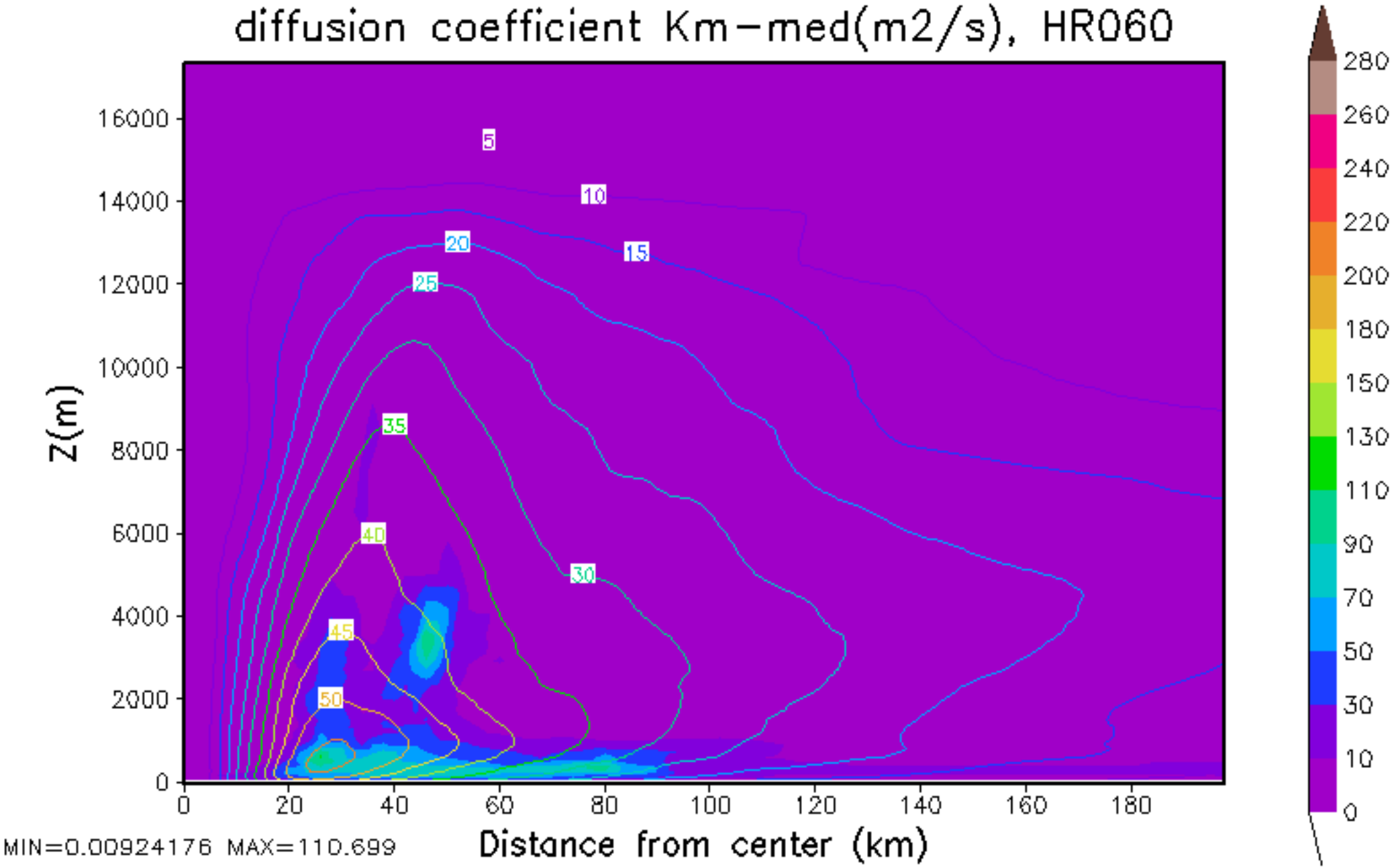
diffusion coefficient Km-med(m2/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
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50
280
260
240
220
200
180
150
130
110
90
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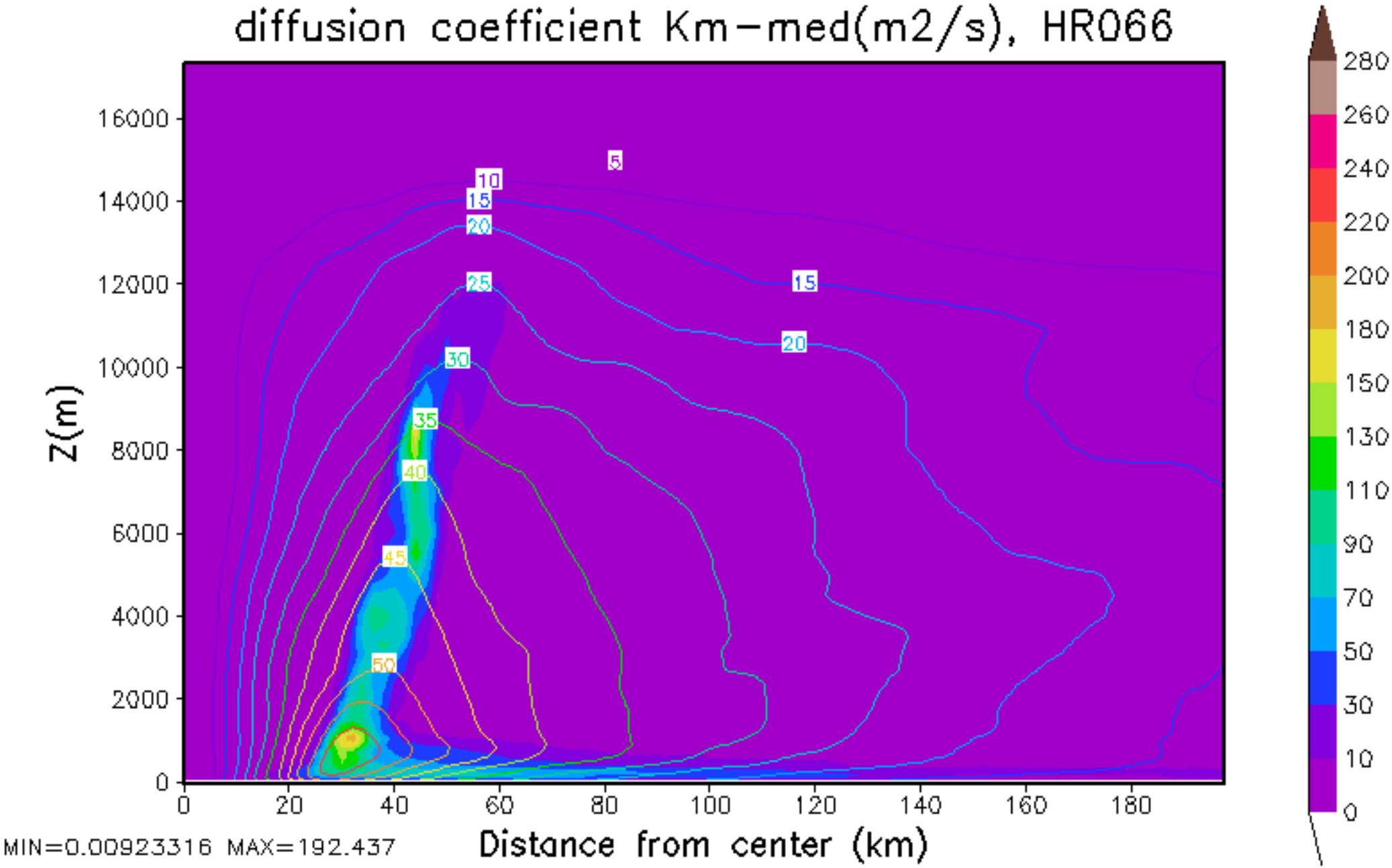
MIN=0.00924176 MAX=110.699


diffusion coefficient Km-med(m2/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)
5
10
15
20
25
30
35
40
45
50
15
20
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260
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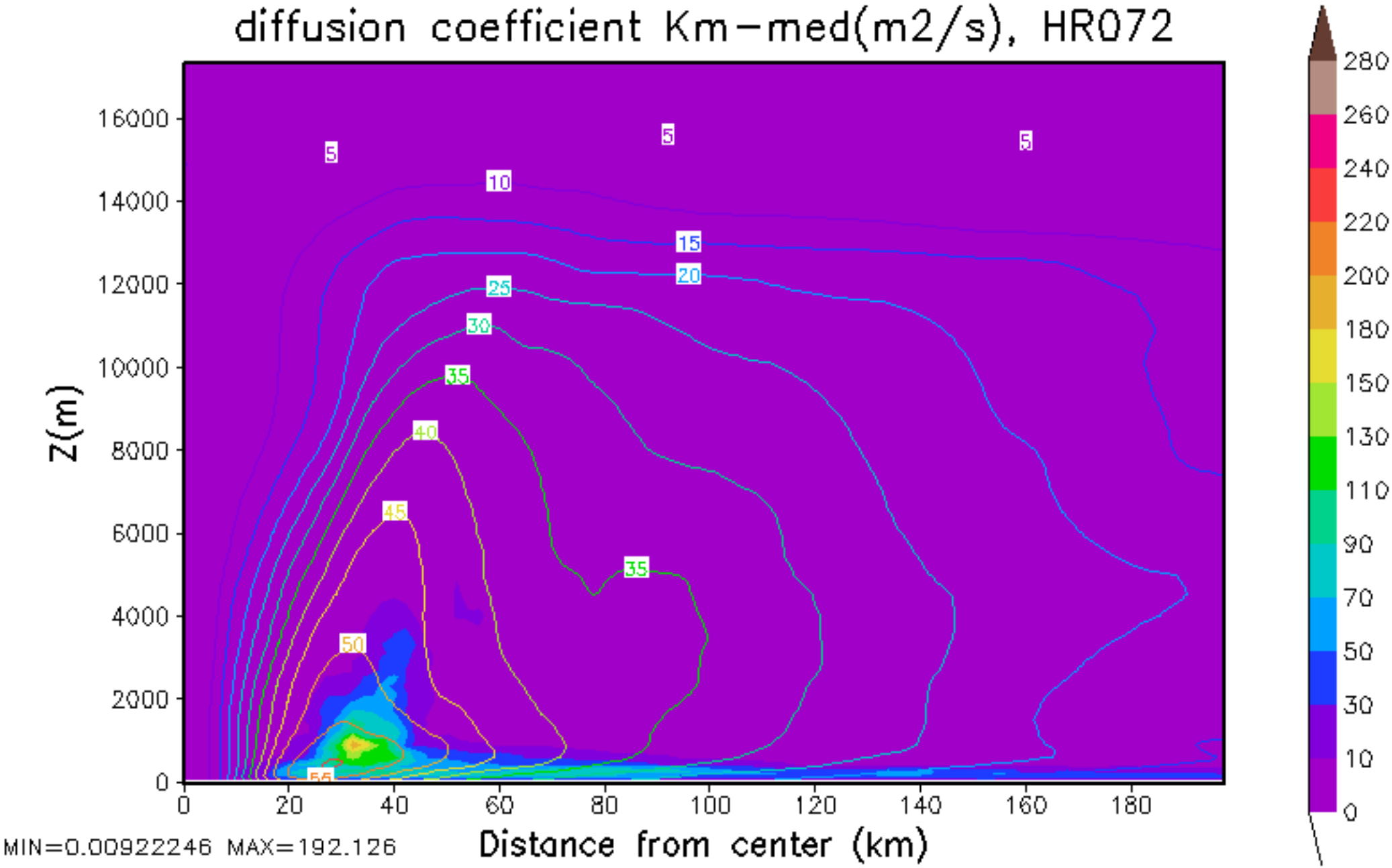
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923316 MAX=192.437


diffusion coefficient Km-med(m2/s), HR072
Z(m)
Distance from center (km)
MIN=0.00922246 MAX=192.126
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
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35
0
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30
50
70
90
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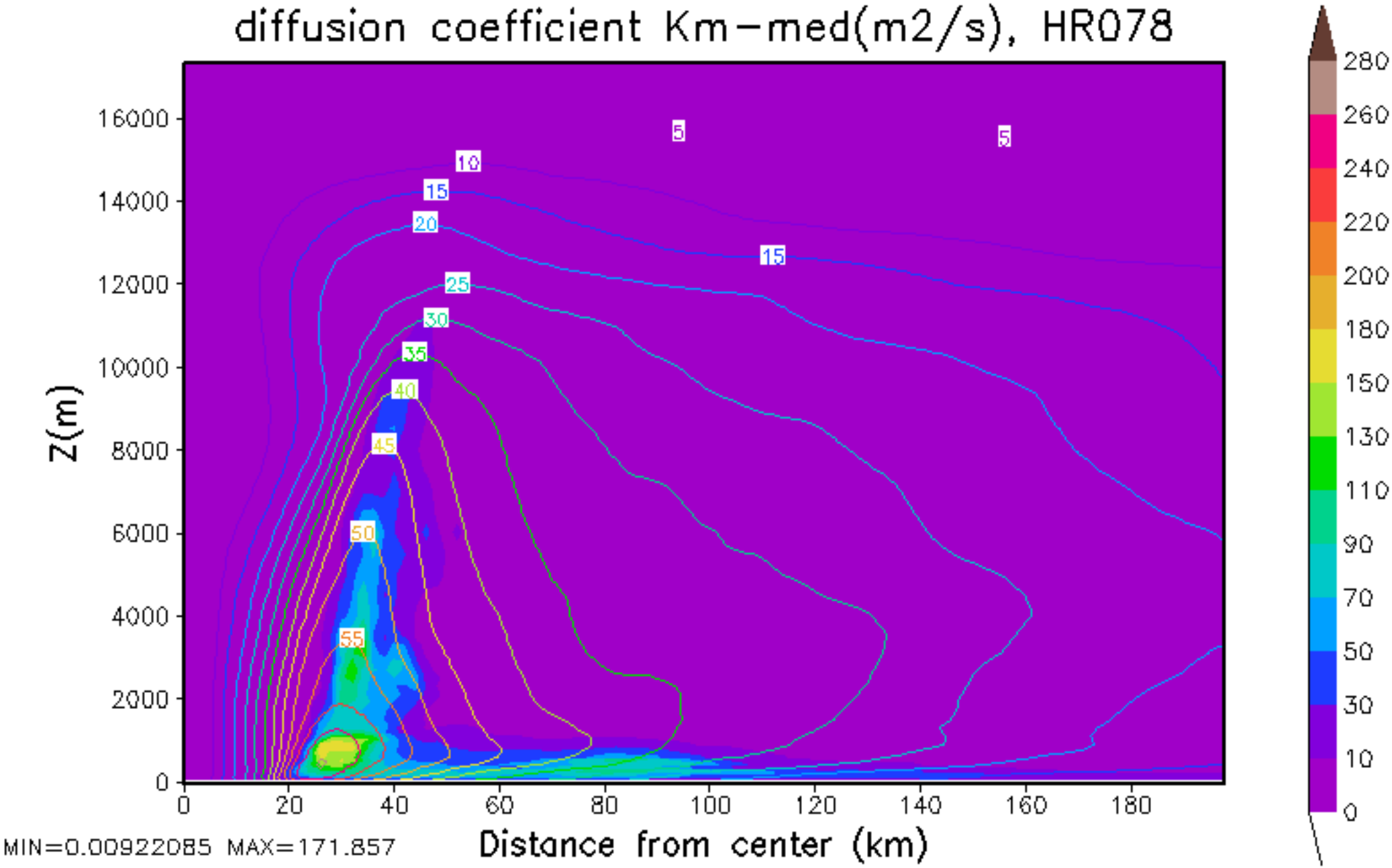
130
150
180
200
220
240
260
280


diffusion coefficient Km-med(m2/s), HR078
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)
5
5
10
15
15
20
25
30
35
40
45
50
55
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200
180
150
130
110
90
70
50
30
10
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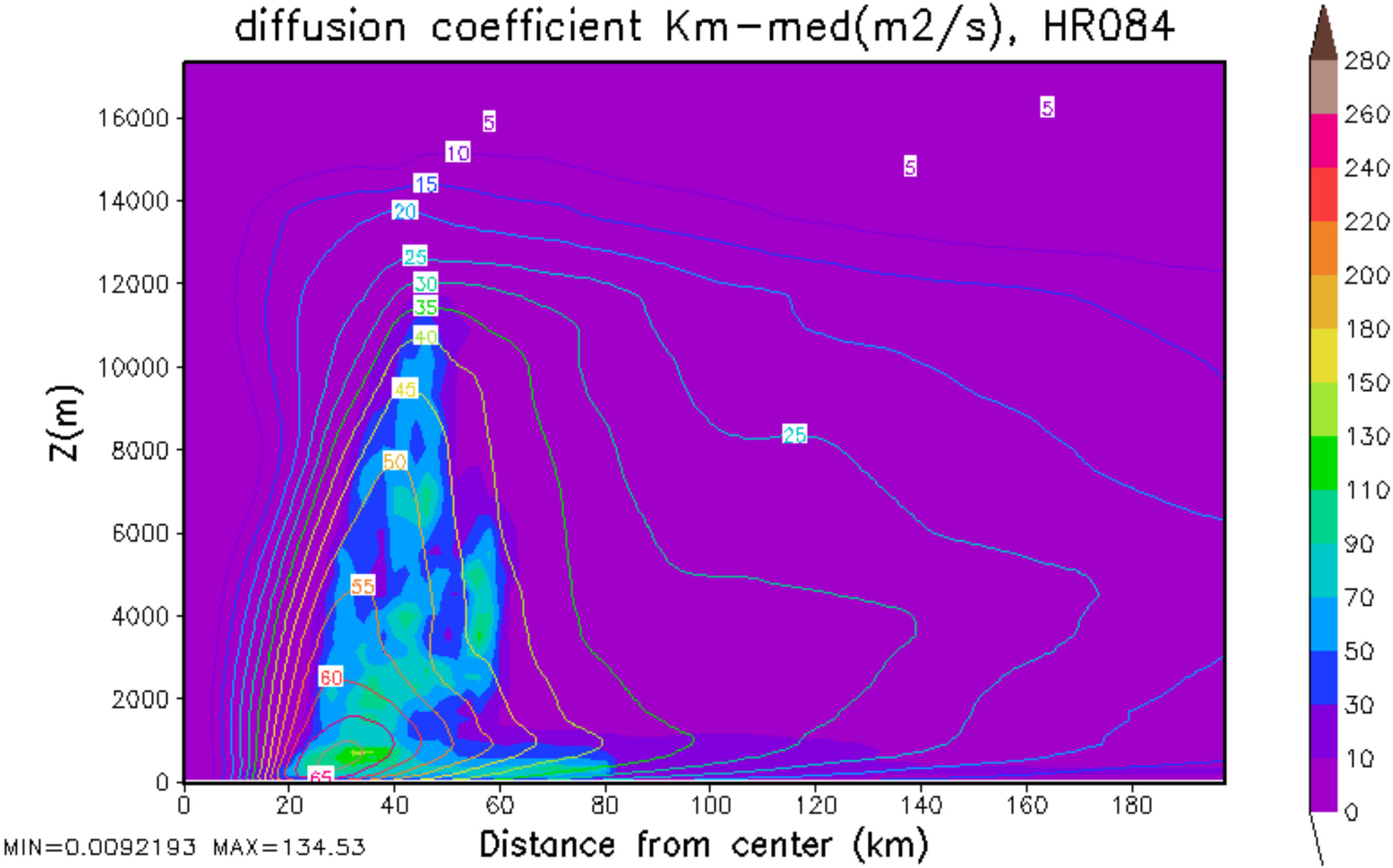
MIN=0.00922085 MAX=171.857


diffusion coefficient Km-med(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.0092193 MAX=134.53
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
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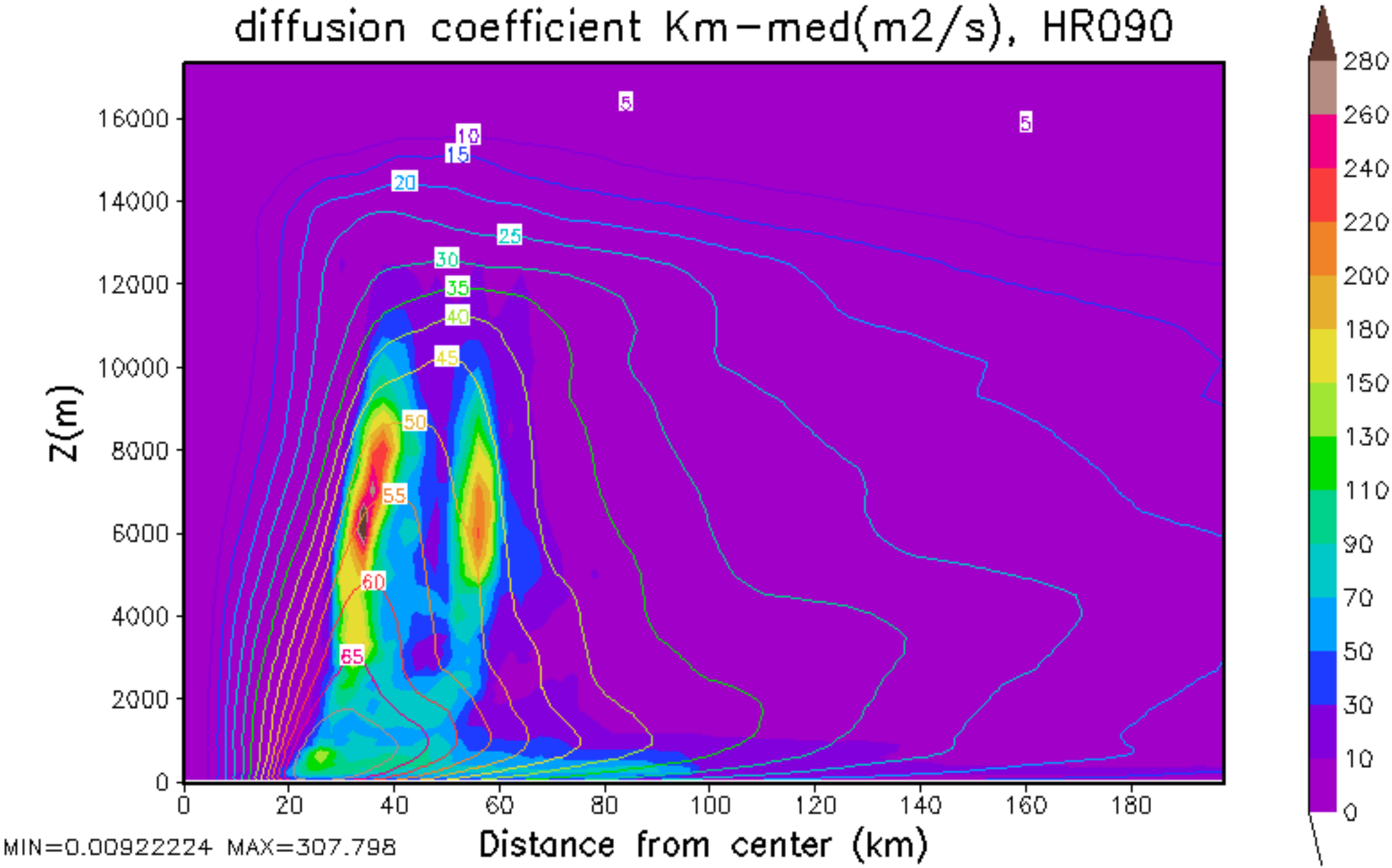
65
0
10
30
50
70
90
110
130
150
170
200
220
240
260
280


diffusion coefficient Km-med(m2/s), HR090
Z(m)
Distance from center (km)
MIN=0.00922224 MAX=307.798
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
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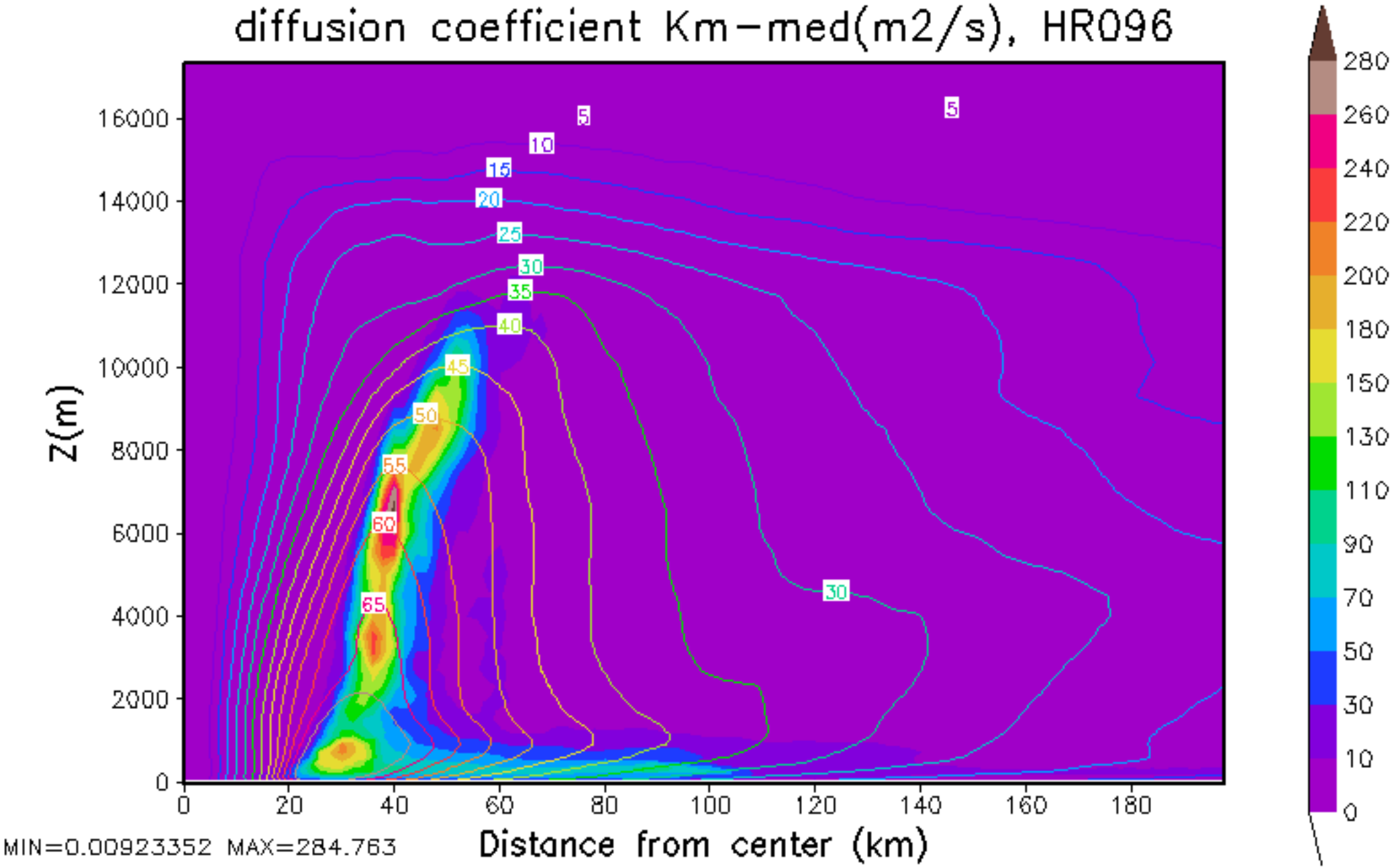
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0


diffusion coefficient Km-med(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00923352 MAX=284.763
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
15
20
25
30
35
40
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220
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180
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130
110
90
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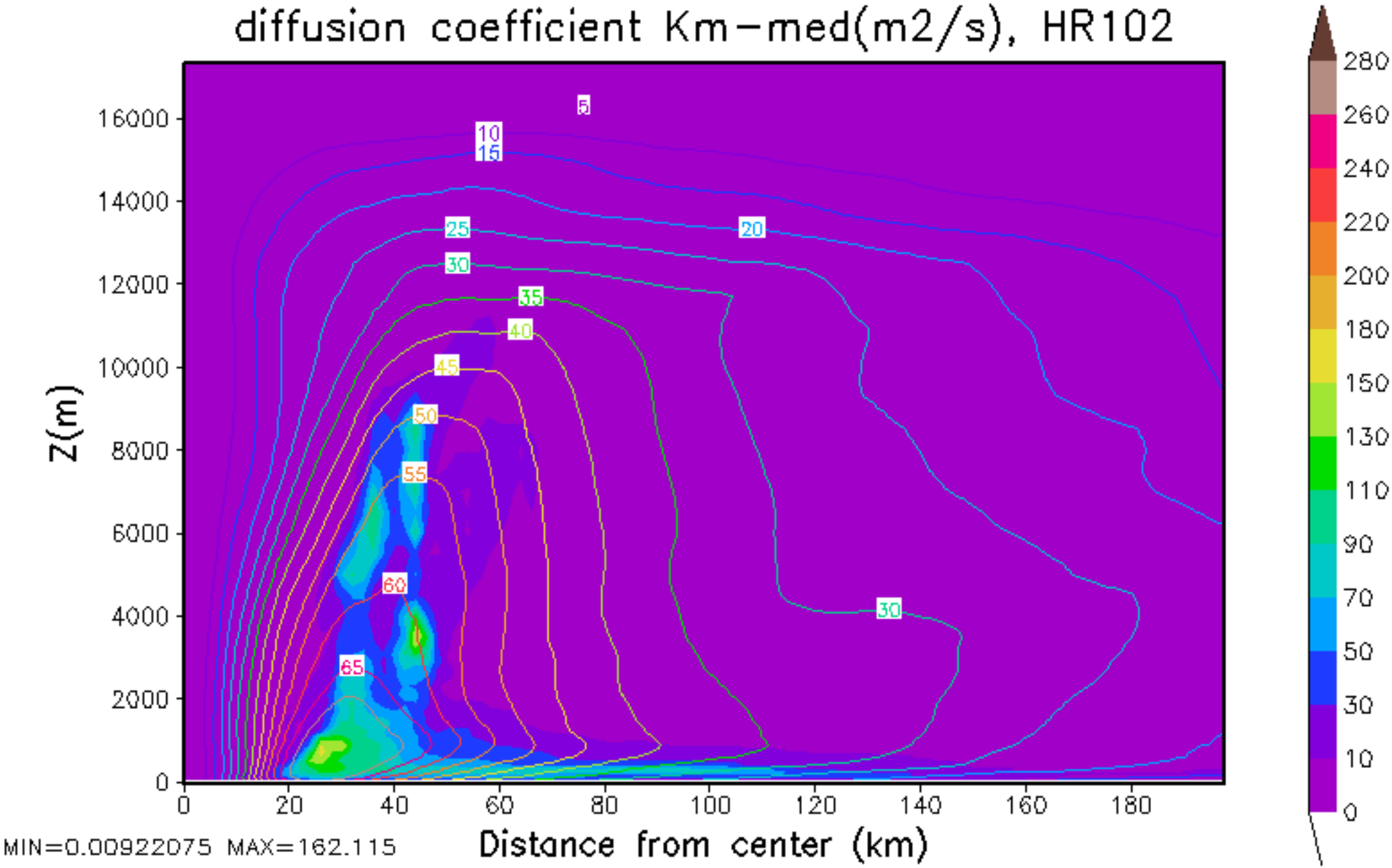
50
30
10
0


diffusion coefficient Km-med(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00922075 MAX=162.115
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
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200
180
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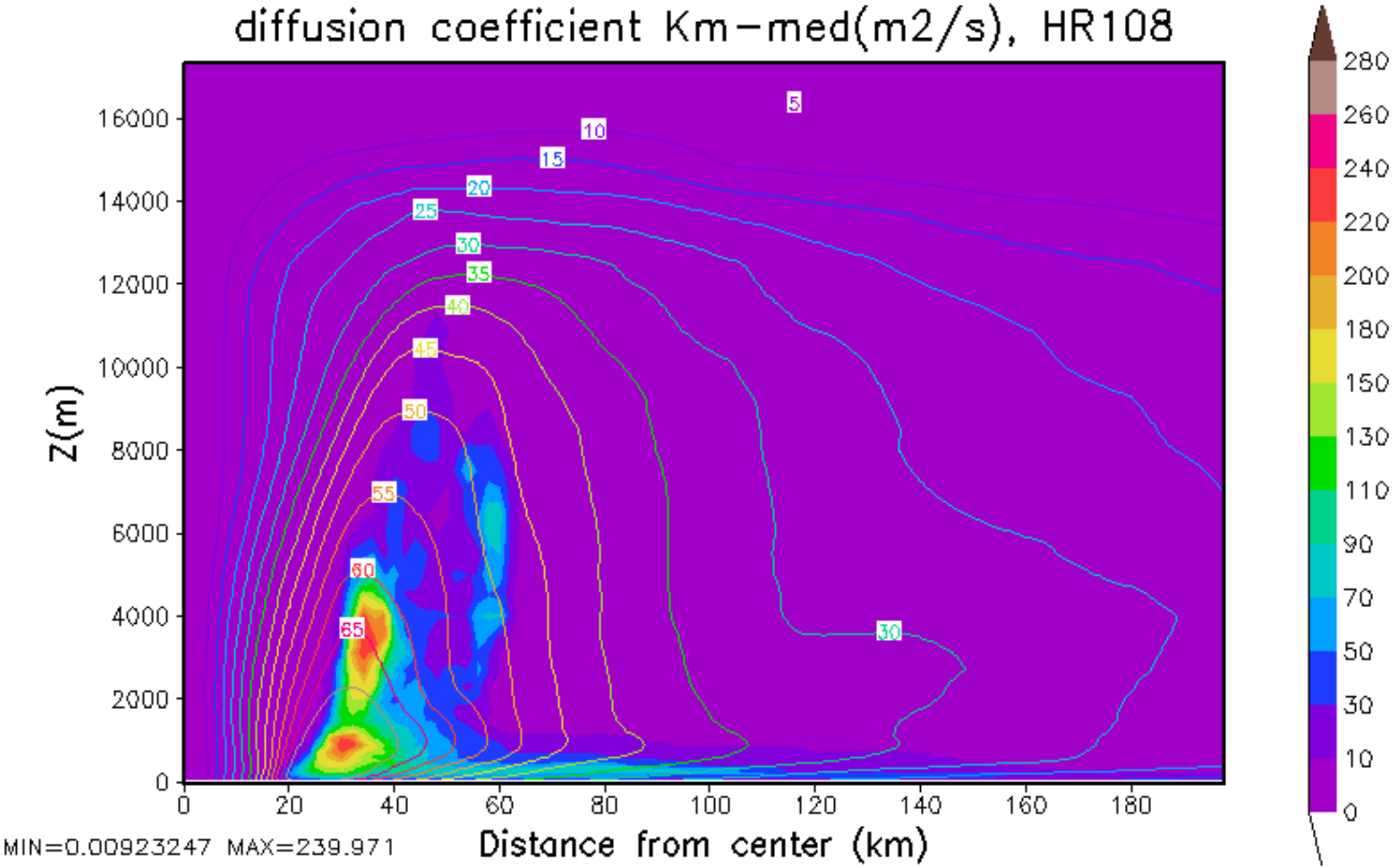
130
110
90
70
50
30
10
0


diffusion coefficient Km-med(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00923247 MAX=239.971
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
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280
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200
180
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130
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50
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10
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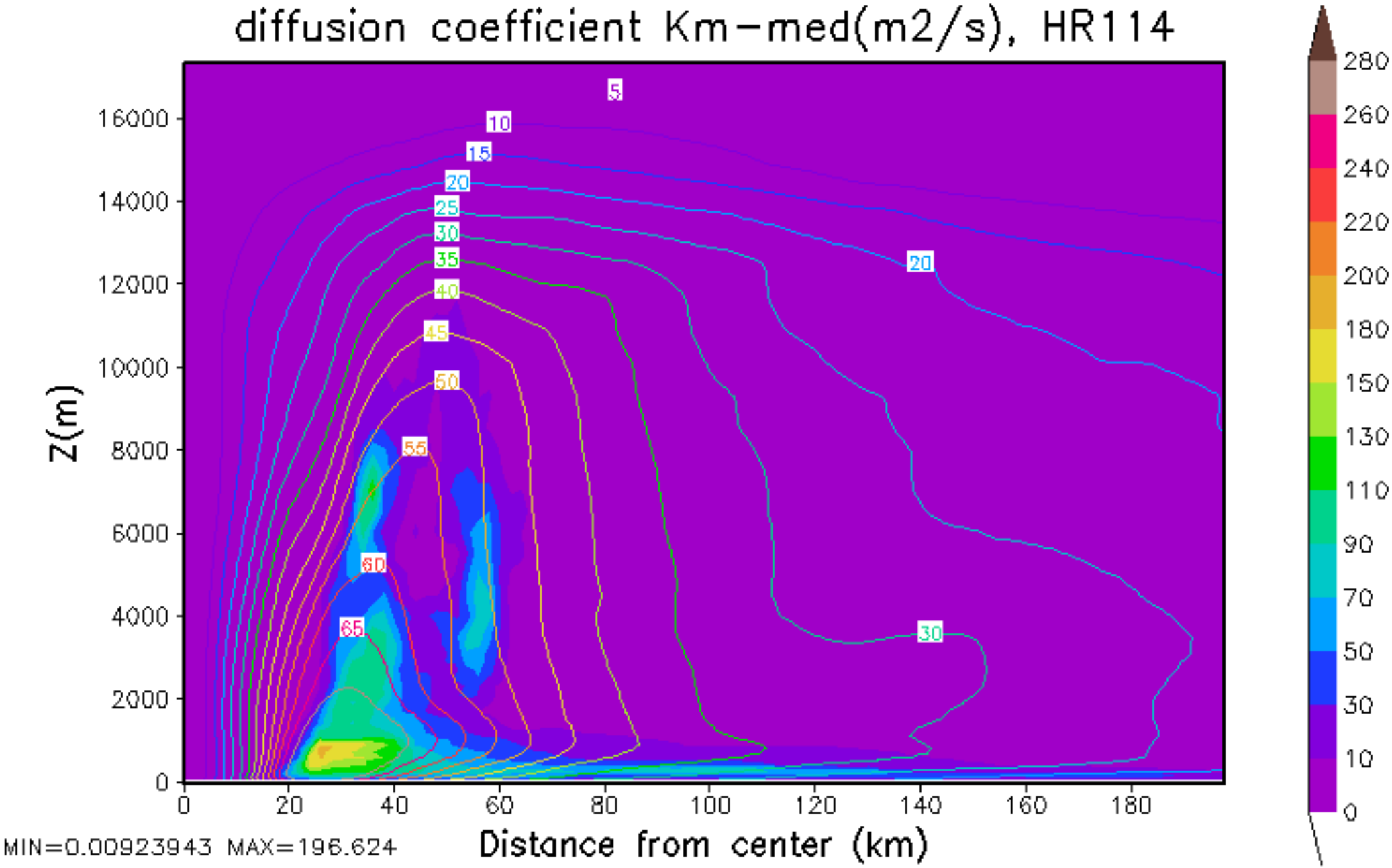
diffusion coefficient Km-med(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00923943 MAX=196.624
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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45
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130
110
90
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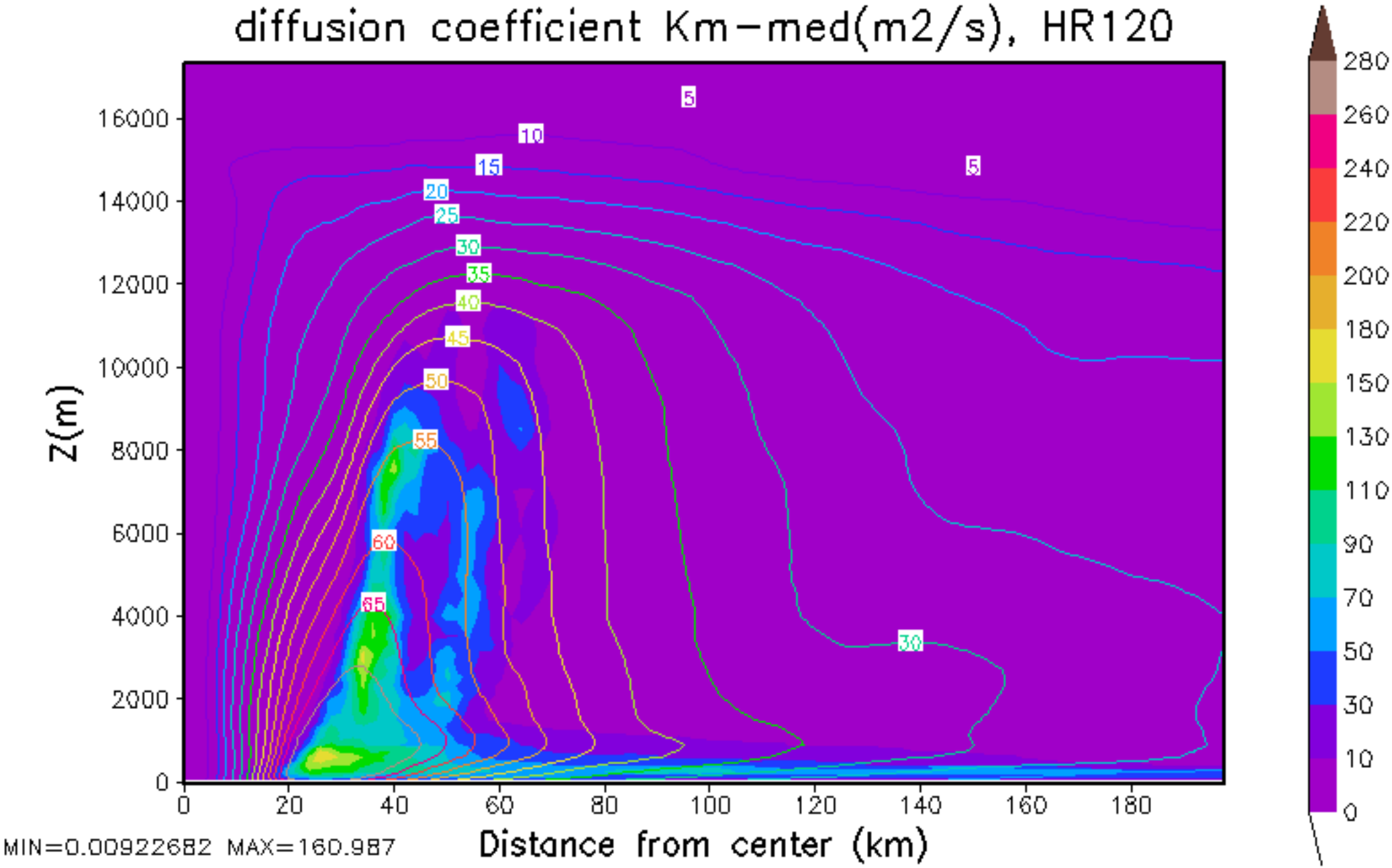
50
30
10
0


diffusion coefficient Km-med(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00922682 MAX=160.987
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
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55
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0
10
30
50
70
90
110
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150
170
180
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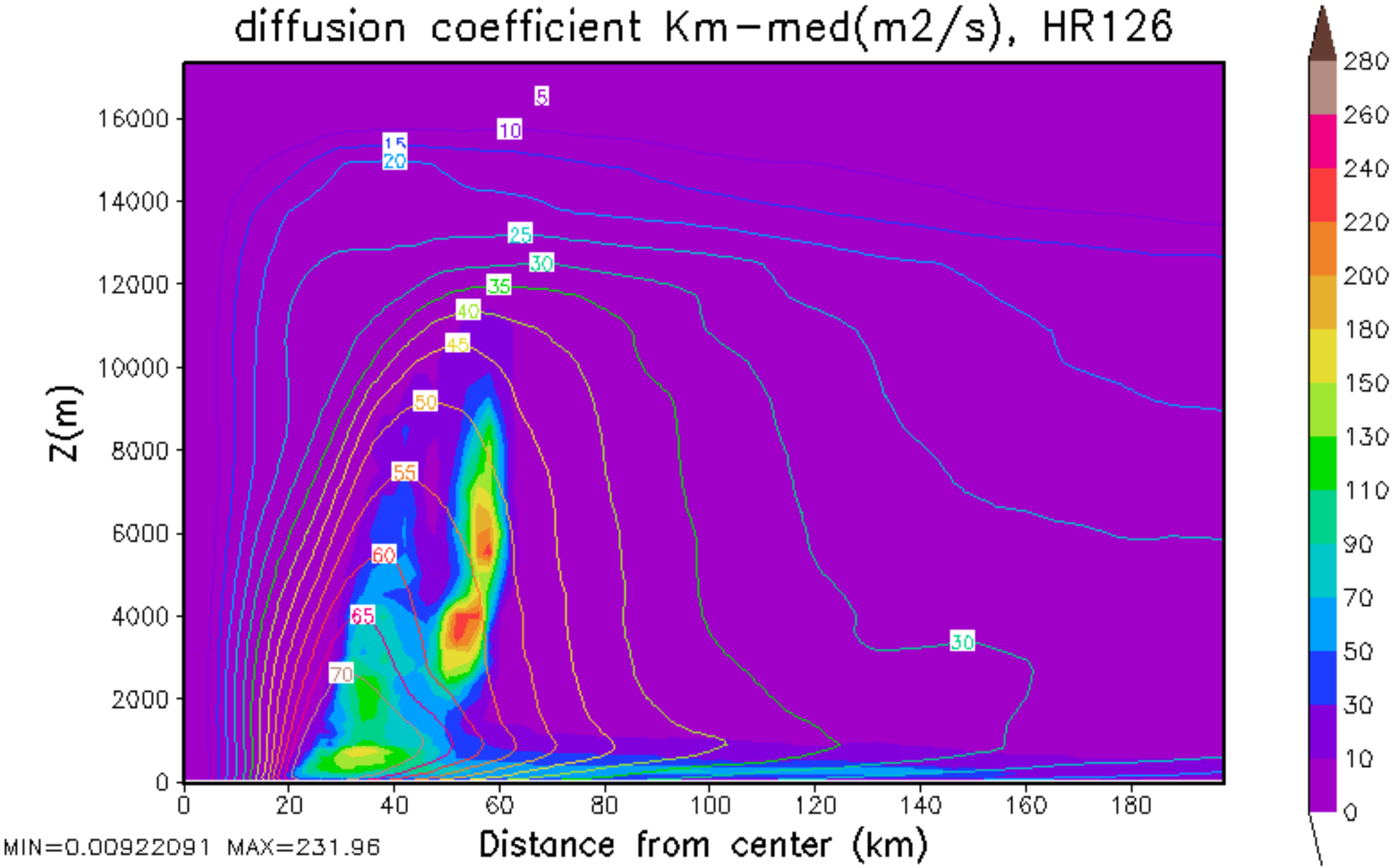
220
240
260
280


diffusion coefficient Km-med(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00922091 MAX=231.96
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
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60
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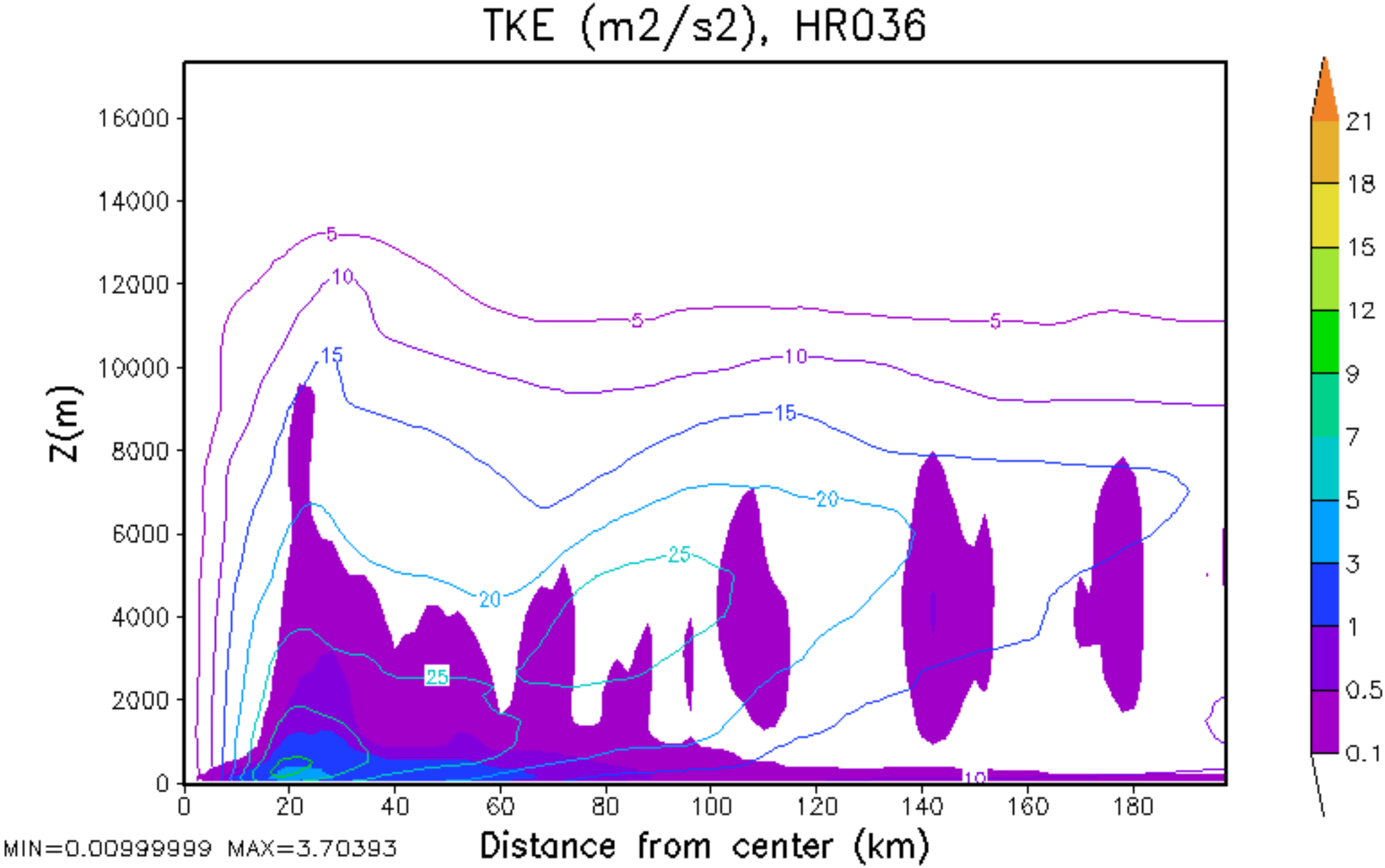
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0


TKE (m2/s2), 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=0.00999999 MAX=3.70393
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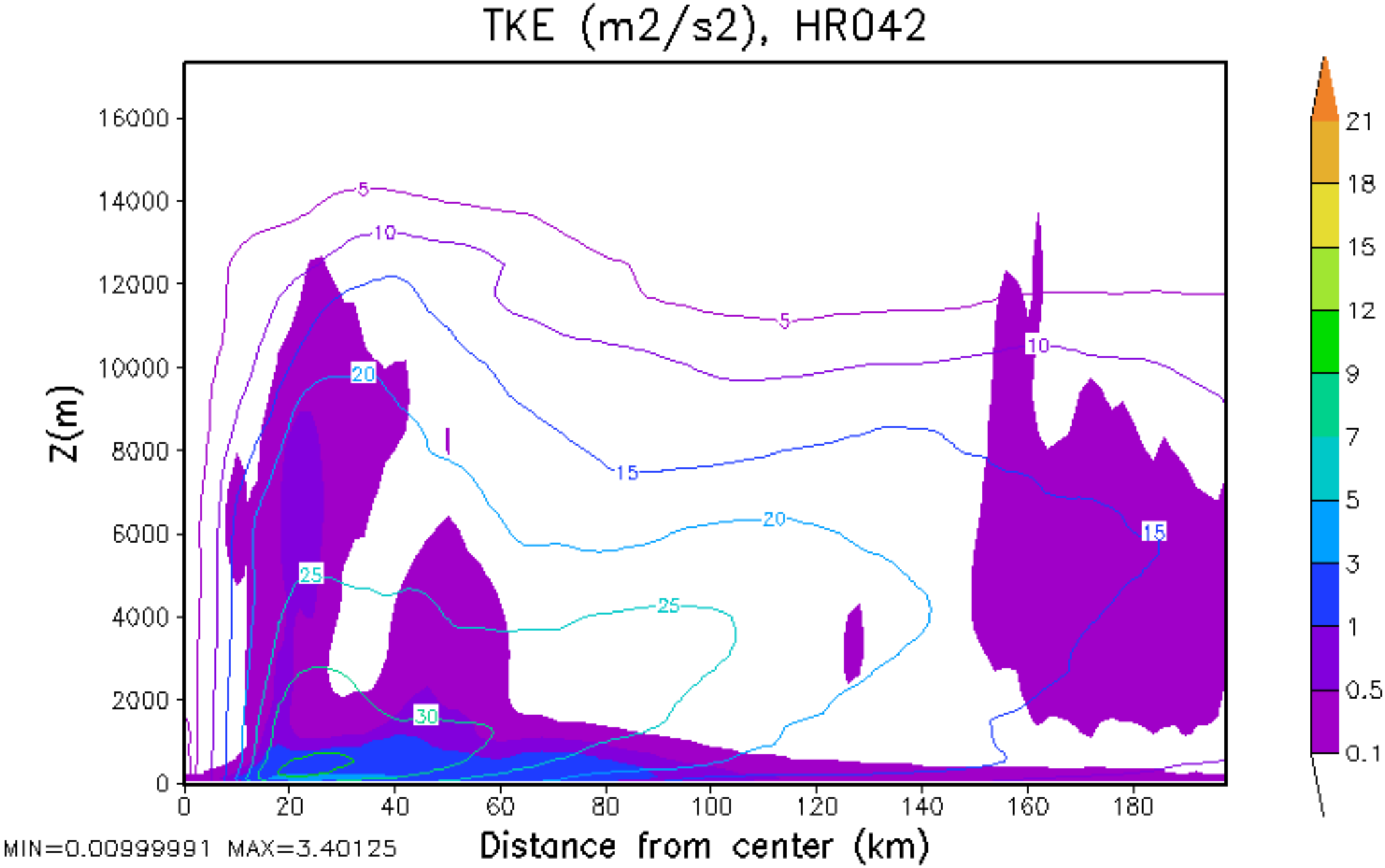
15
20
25
21
18
15
12
9
7
5
3
1
0.5
0.1


TKE (m2/s2), 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=0.00999991 MAX=3.40125
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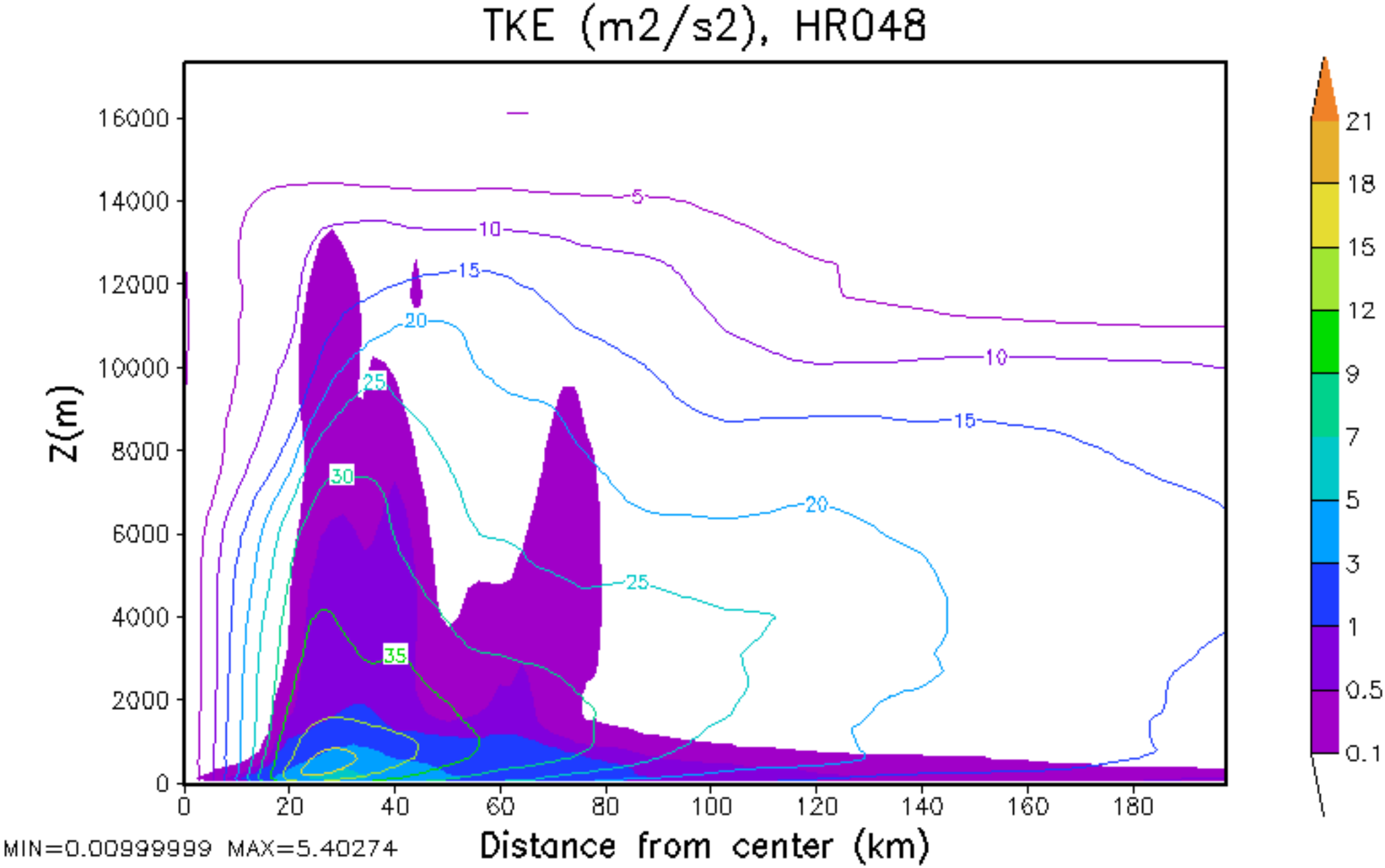
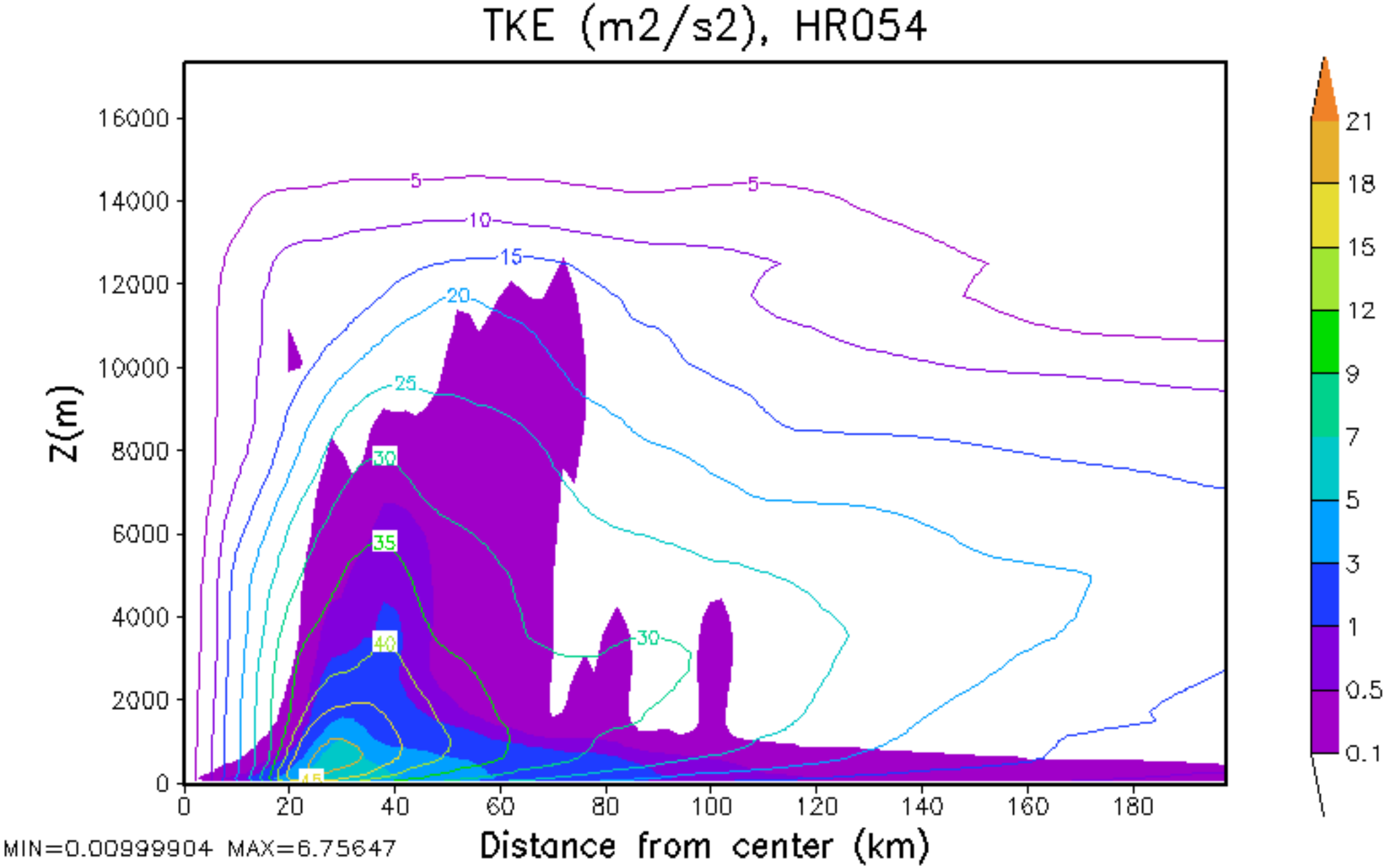
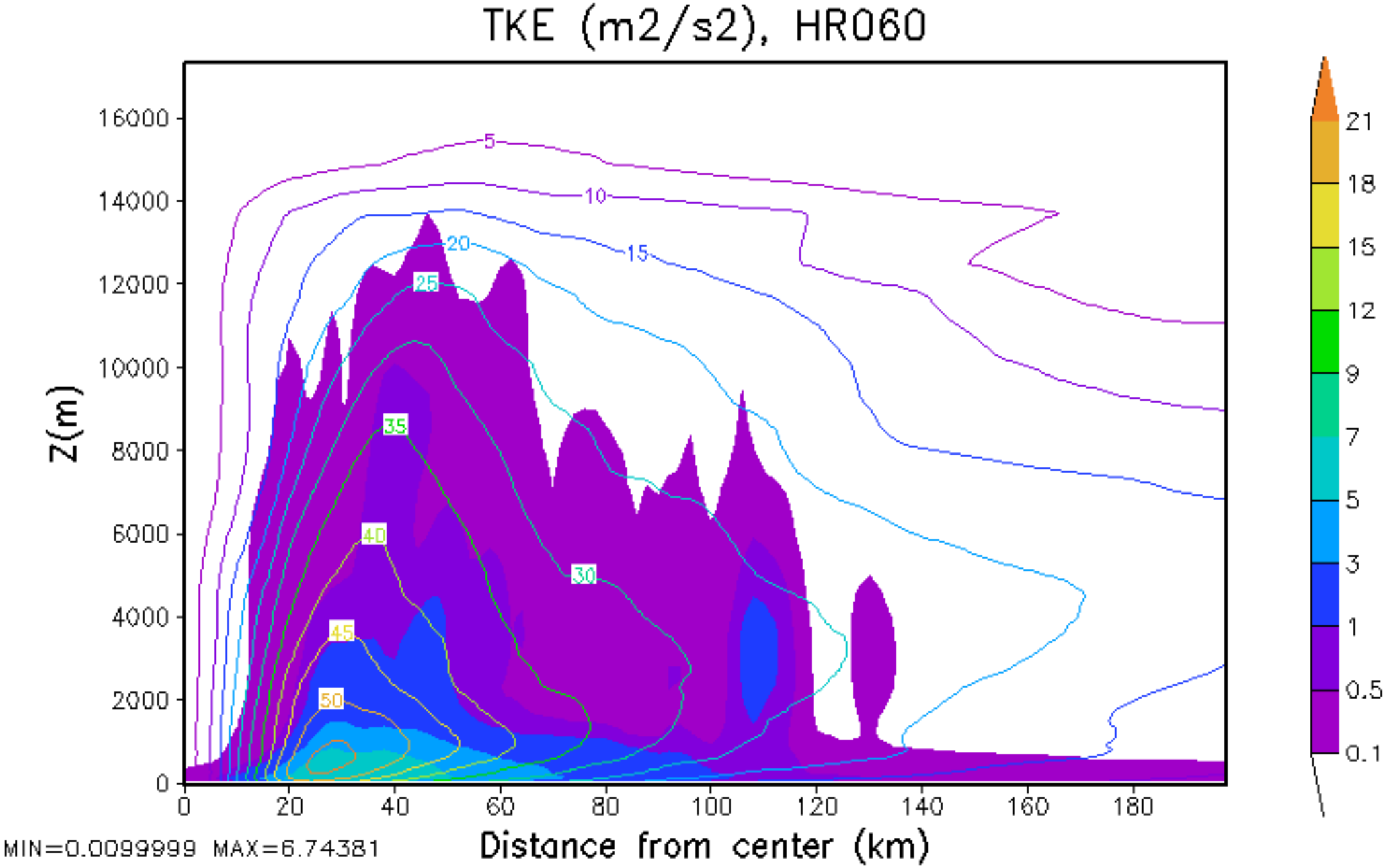
15
20
25
30
21
18
15
12
9
7
5
3
1
0.5
0.1


TKE (m2/s2), 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)
5
10
15
20
25
30
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=5.40274


TKE (m2/s2), 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)
5
10
15
20
25
30
35
40
45
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999904 MAX=6.75647


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)
5
10
15
20
25
30
35
40
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18
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12
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7
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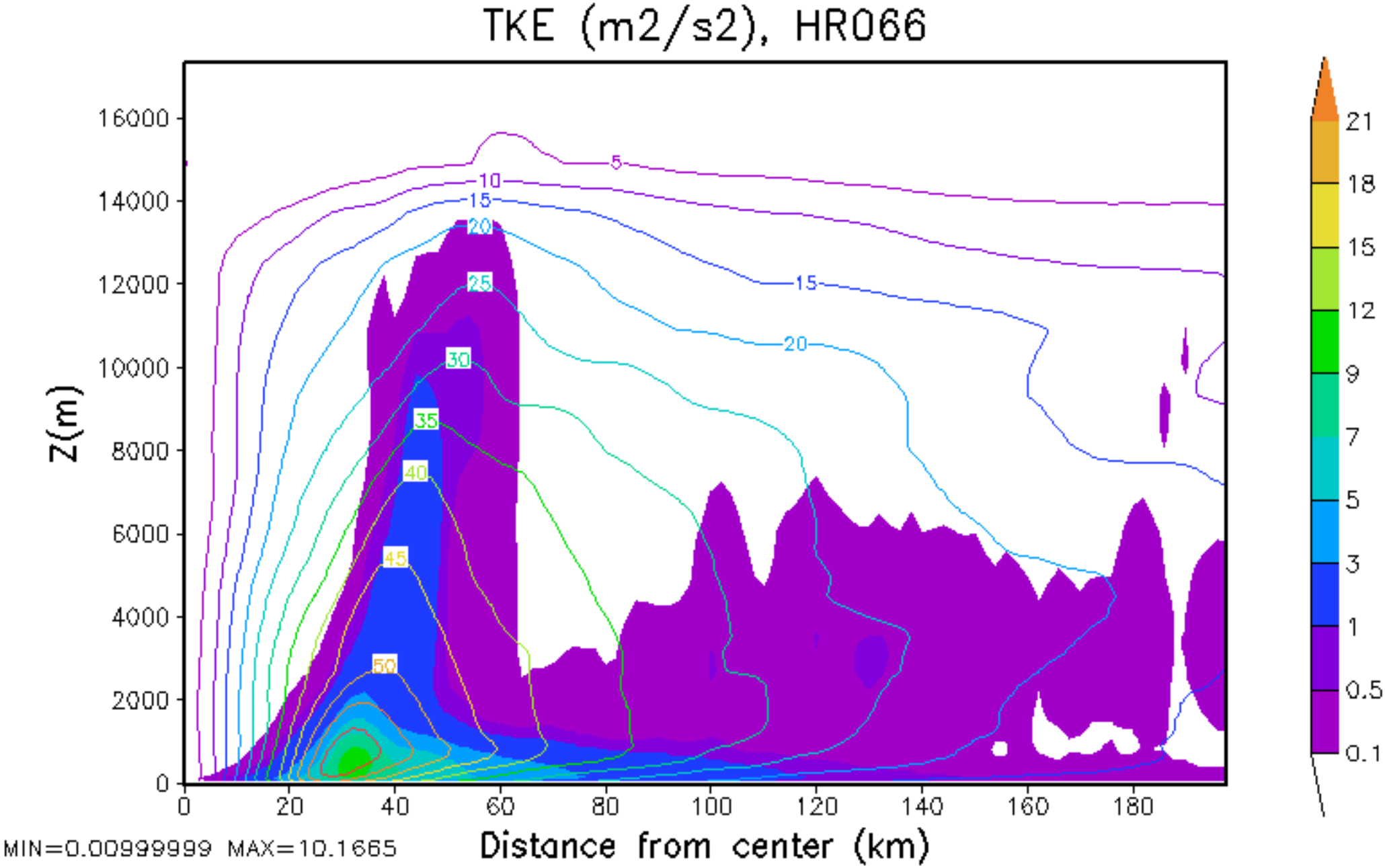
0.5
0.1
MIN=0.0099999 MAX=6.74381


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)
5
10
15
20
25
30
35
40
45
50
15
20
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18
15
12
9
7
5
3
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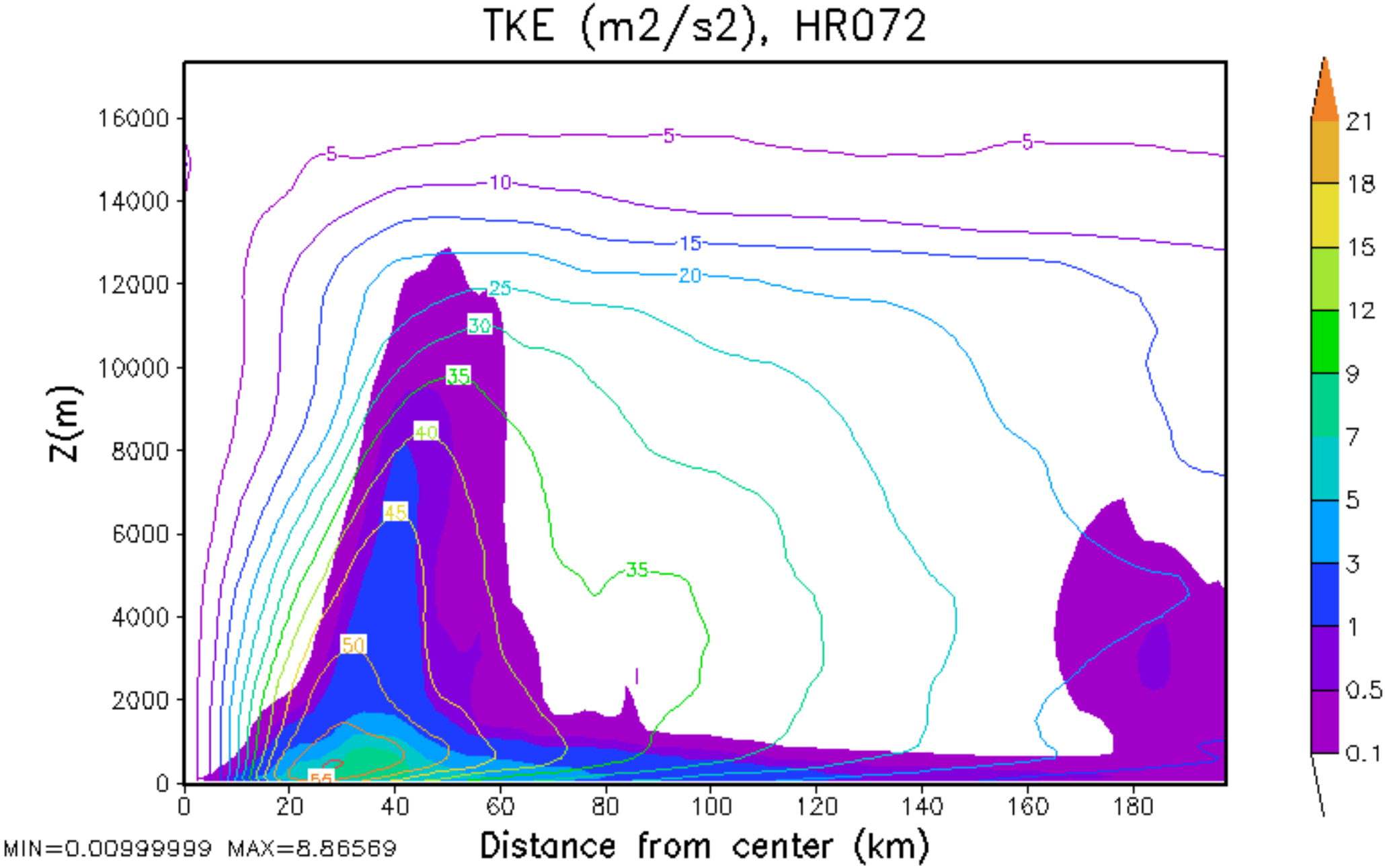
0.5
0.1
MIN=0.00999999 MAX=10.1665


TKE (m2/s2), HR072
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=0.00999999 MAX=8.86569
5
10
15
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40
45
50
55
21
18
15
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9
7
5
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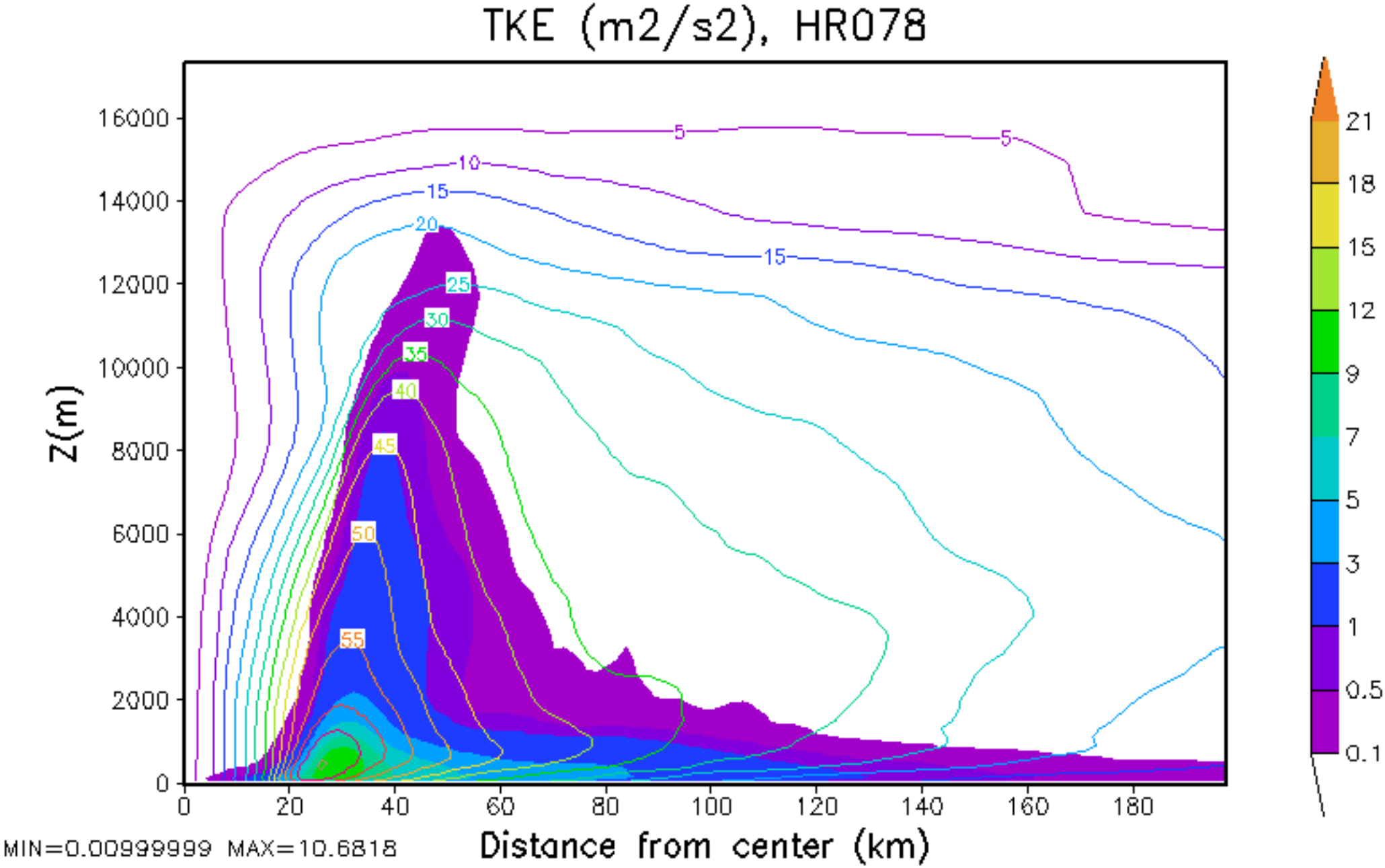
1
0.5
0.1


TKE (m2/s2), HR078
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)
5
10
15
20
25
30
35
40
45
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18
15
12
9
7
5
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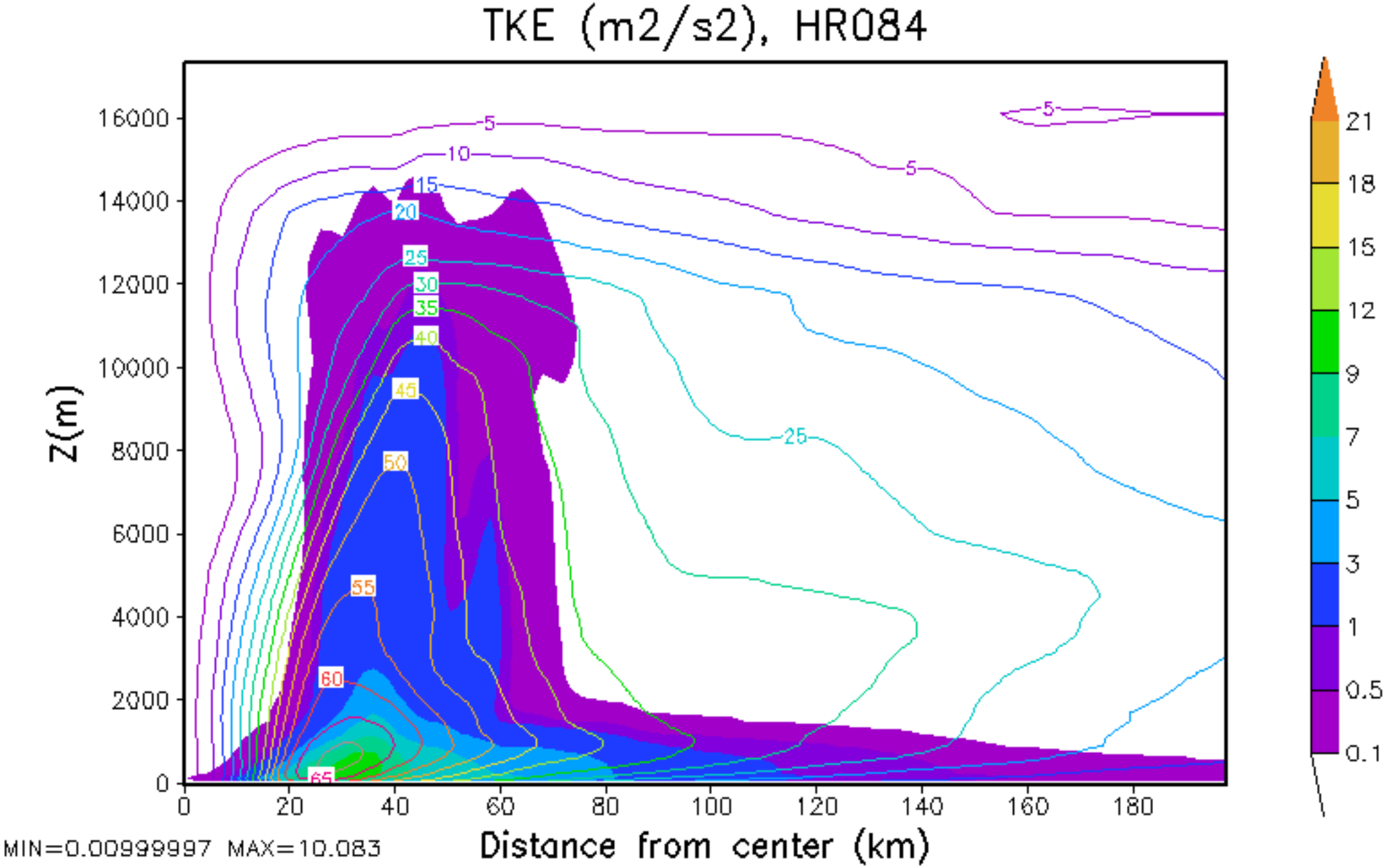
0.5
0.1
MIN=0.00999999 MAX=10.6818


TKE (m2/s2), HR084
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=0.00999997 MAX=10.083
5
10
15
20
25
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40
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50
55
60
65
21
18
15
12
9
7
5
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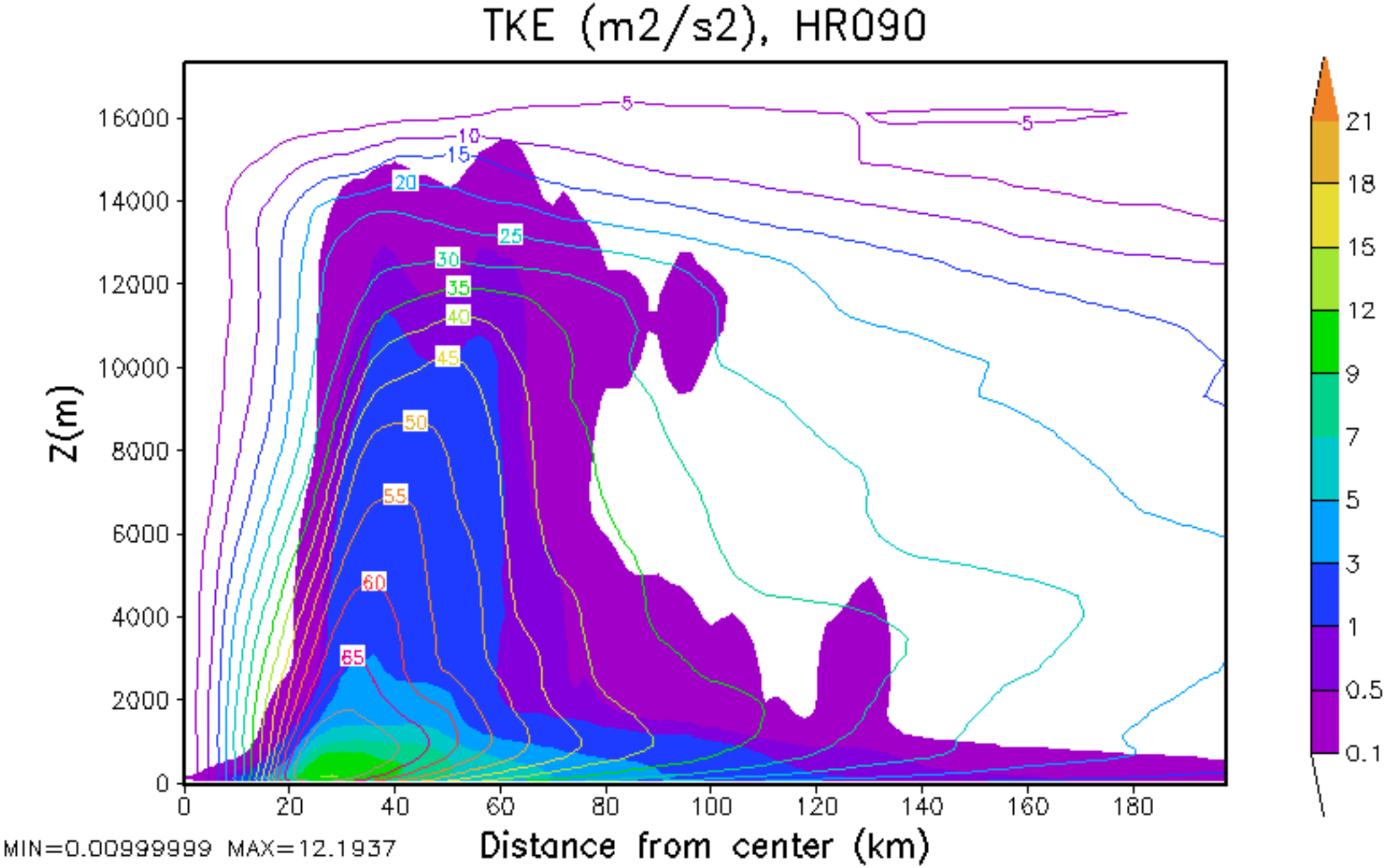
1
0.5
0.1


TKE (m2/s2), HR090
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)
5
10
15
20
25
30
35
40
45
50
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60
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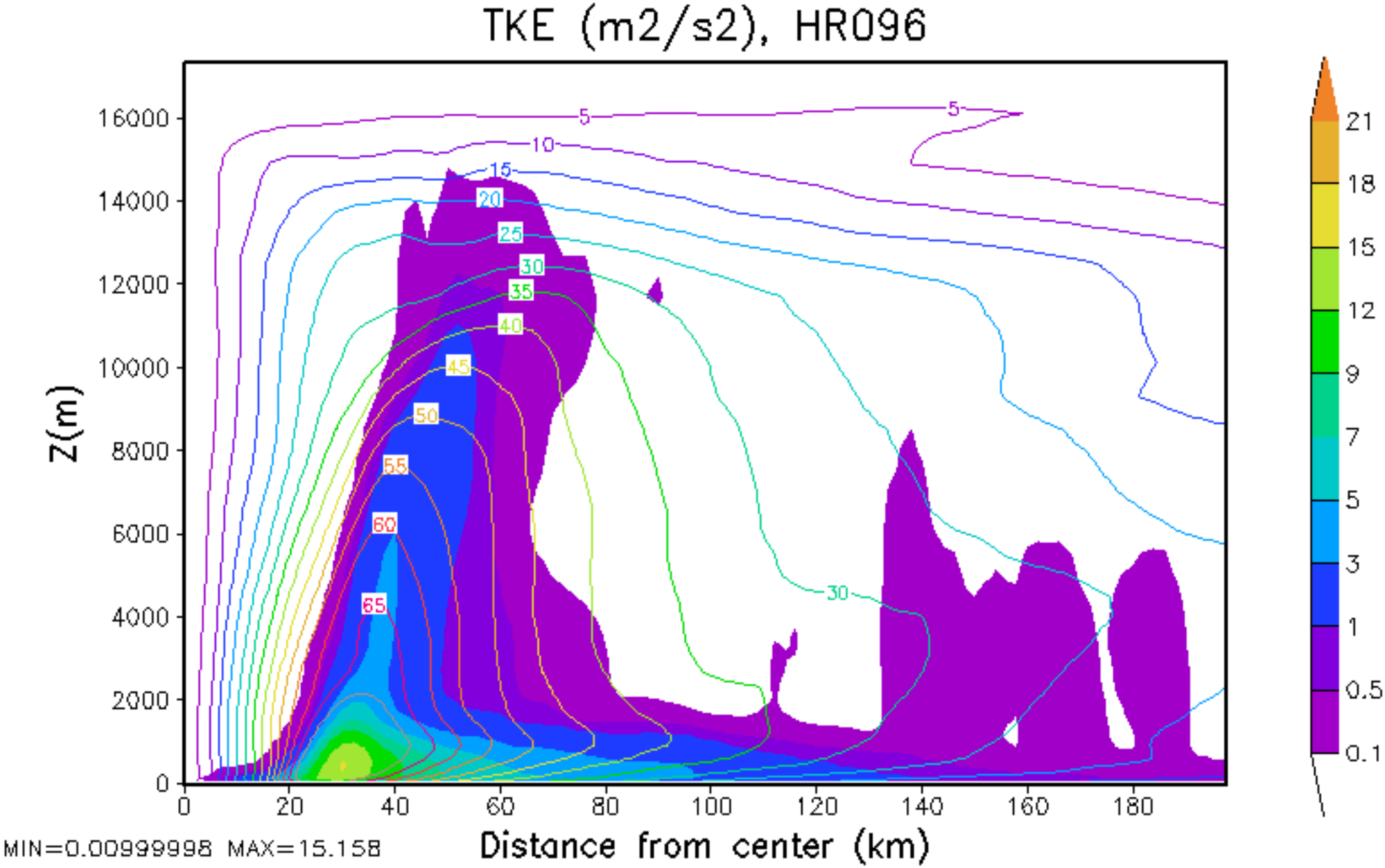
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=12.1937


TKE (m2/s2), HR096
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)
5
10
15
20
25
30
35
40
45
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9
7
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0.5
0.1
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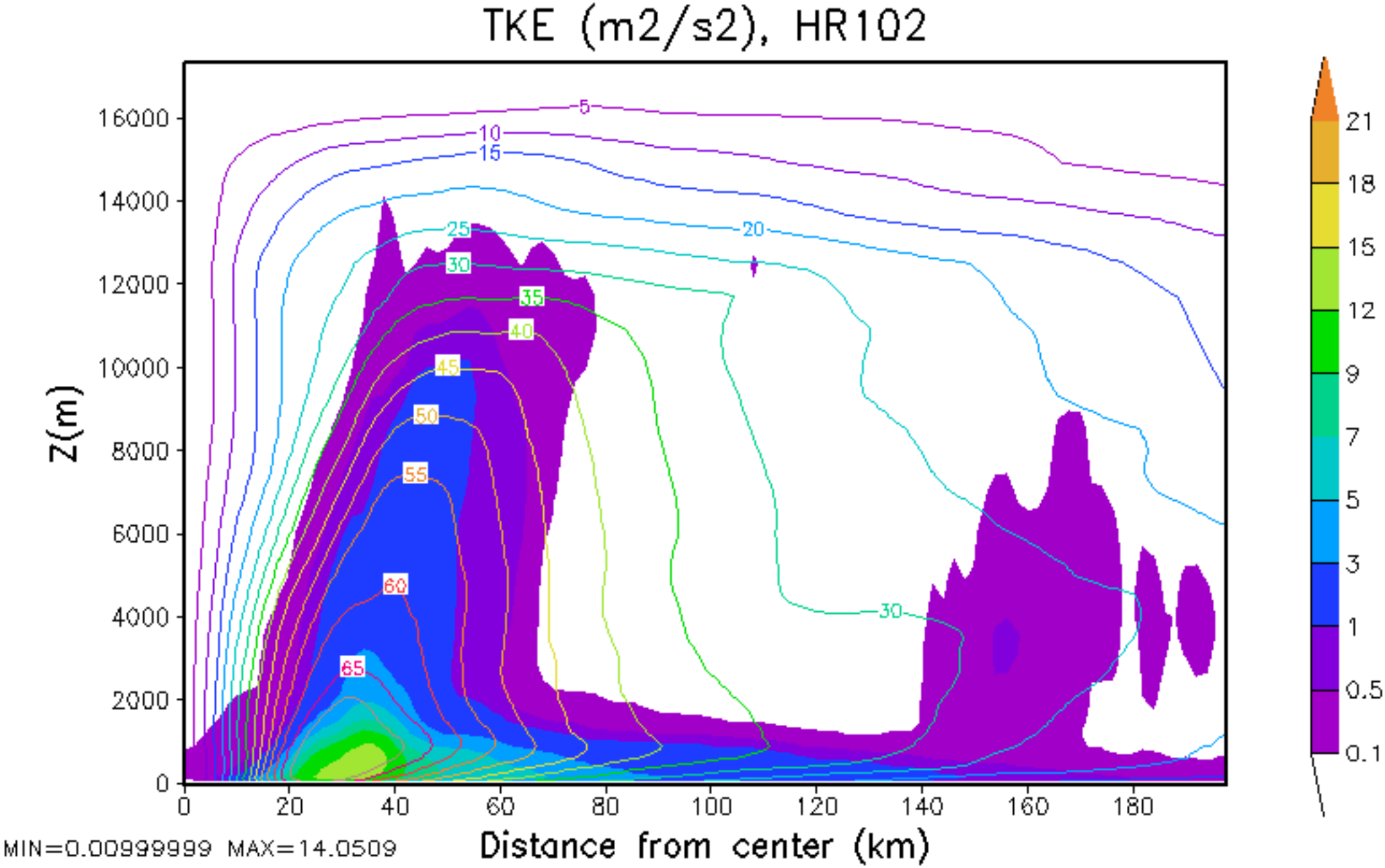
TKE (m2/s2), HR102
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
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18
15
12
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7
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3
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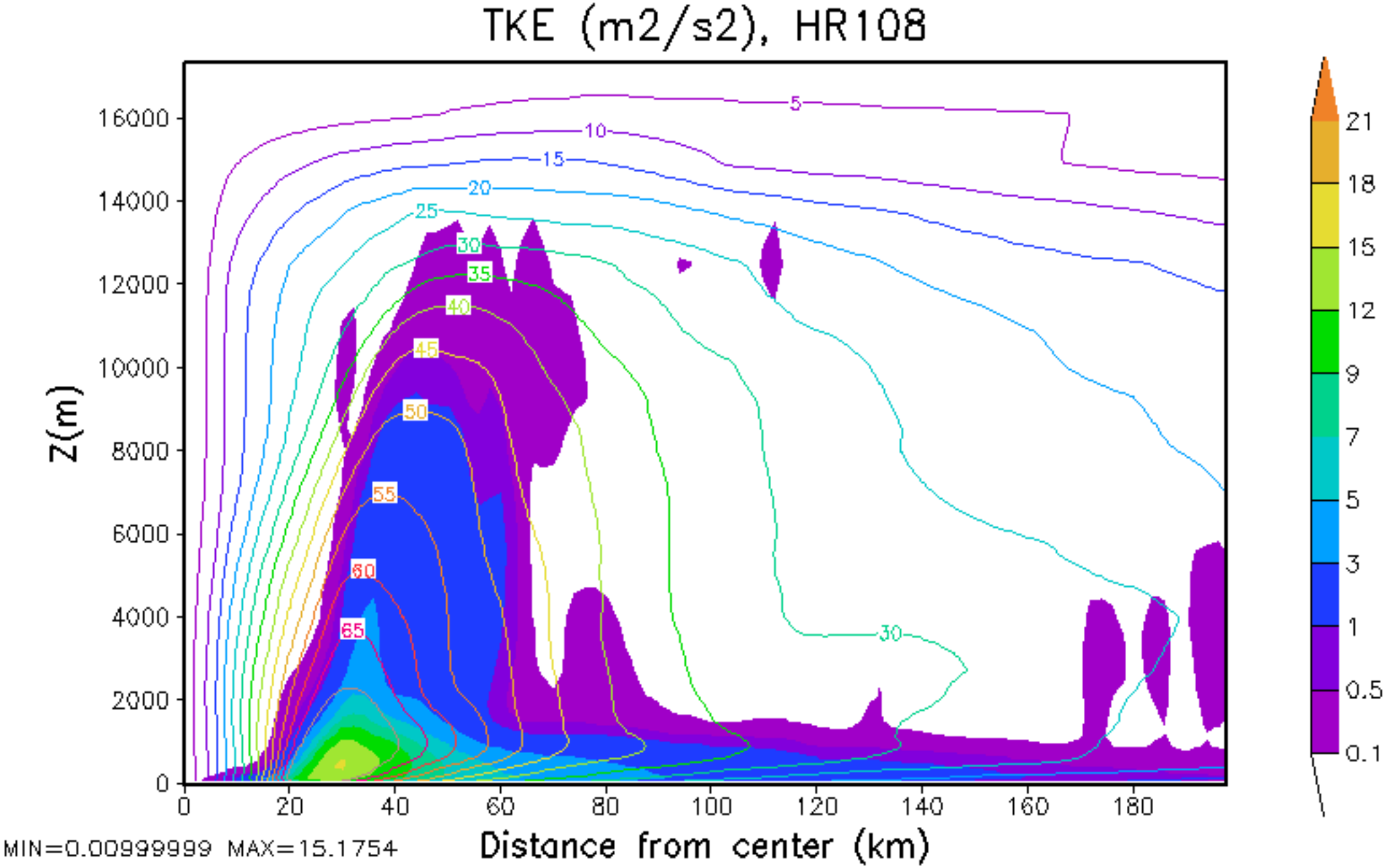
0.5
0.1
MIN=0.00999999 MAX=14.0509


TKE (m2/s2), HR108
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)
5
10
15
20
25
30
35
40
45
50
55
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9
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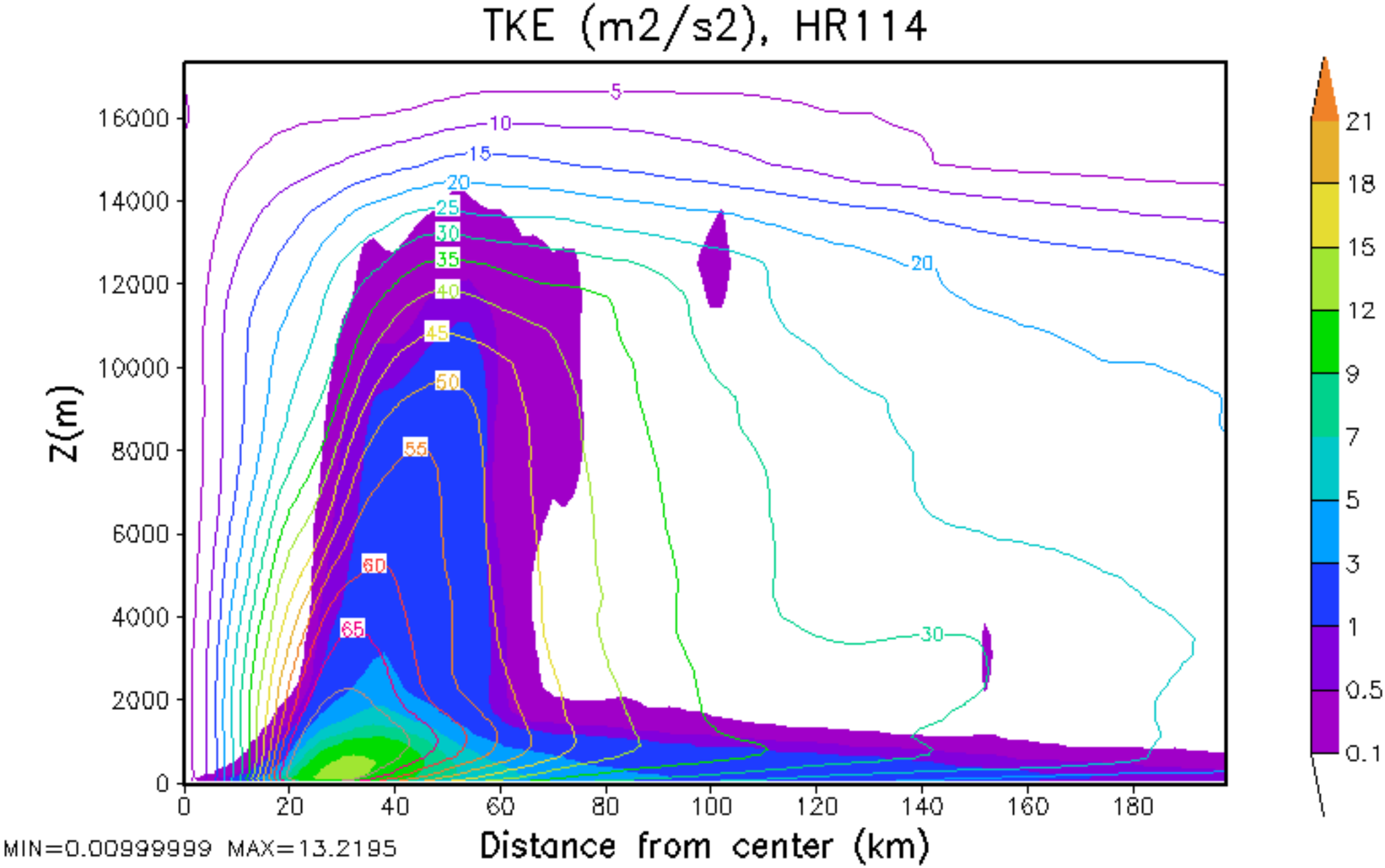
0.5
0.1
MIN=0.00999999 MAX=15.1754


TKE (m2/s2), HR114
Z(m)
Distance from center (km)
MIN=0.00999999 MAX=13.2195
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8000
10000
12000
14000
16000
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80
100
120
140
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180
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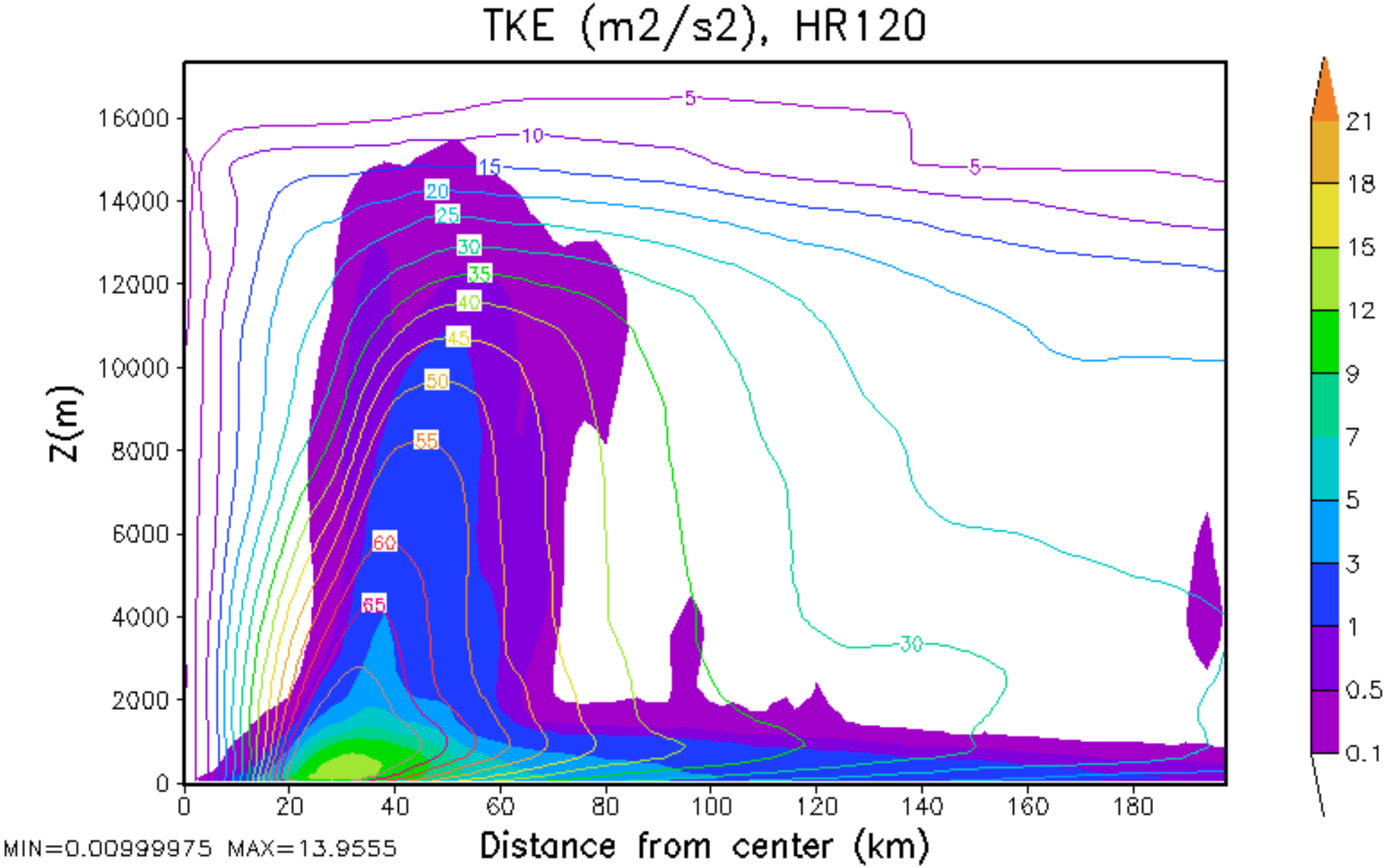
15
12
9
7
5
3
1
0.5
0.1


TKE (m2/s2), HR120
Z(m)
Distance from center (km)
MIN=0.00999975 MAX=13.9555
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8000
10000
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14000
16000
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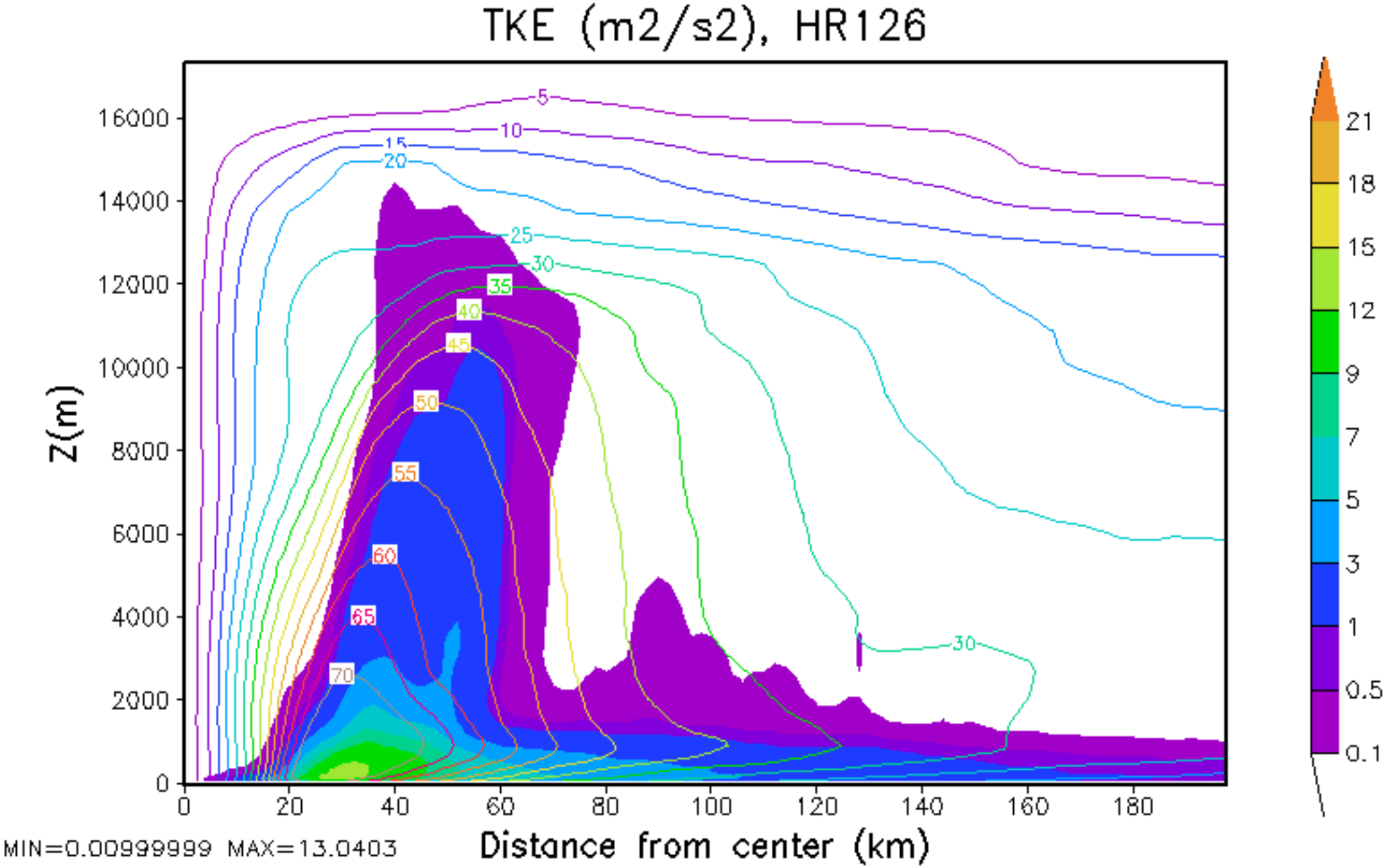
1
0.5
0.1


TKE (m2/s2), HR126
Z(m)
Distance from center (km)
MIN=0.00999999 MAX=13.0403
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
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9
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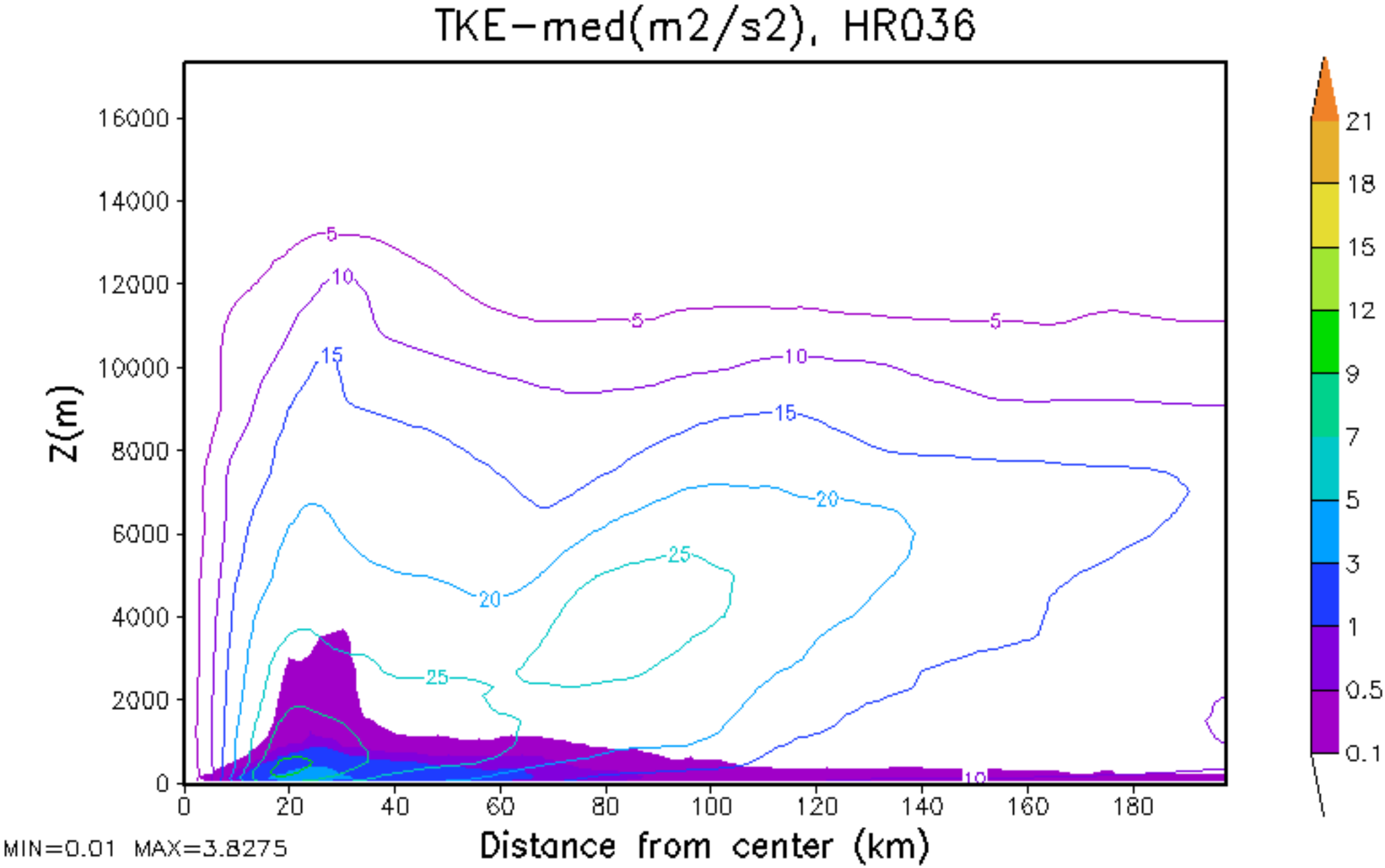
0.1


TKE-med(m2/s2), HR036
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=0.01 MAX=3.8275
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20
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21
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9
7
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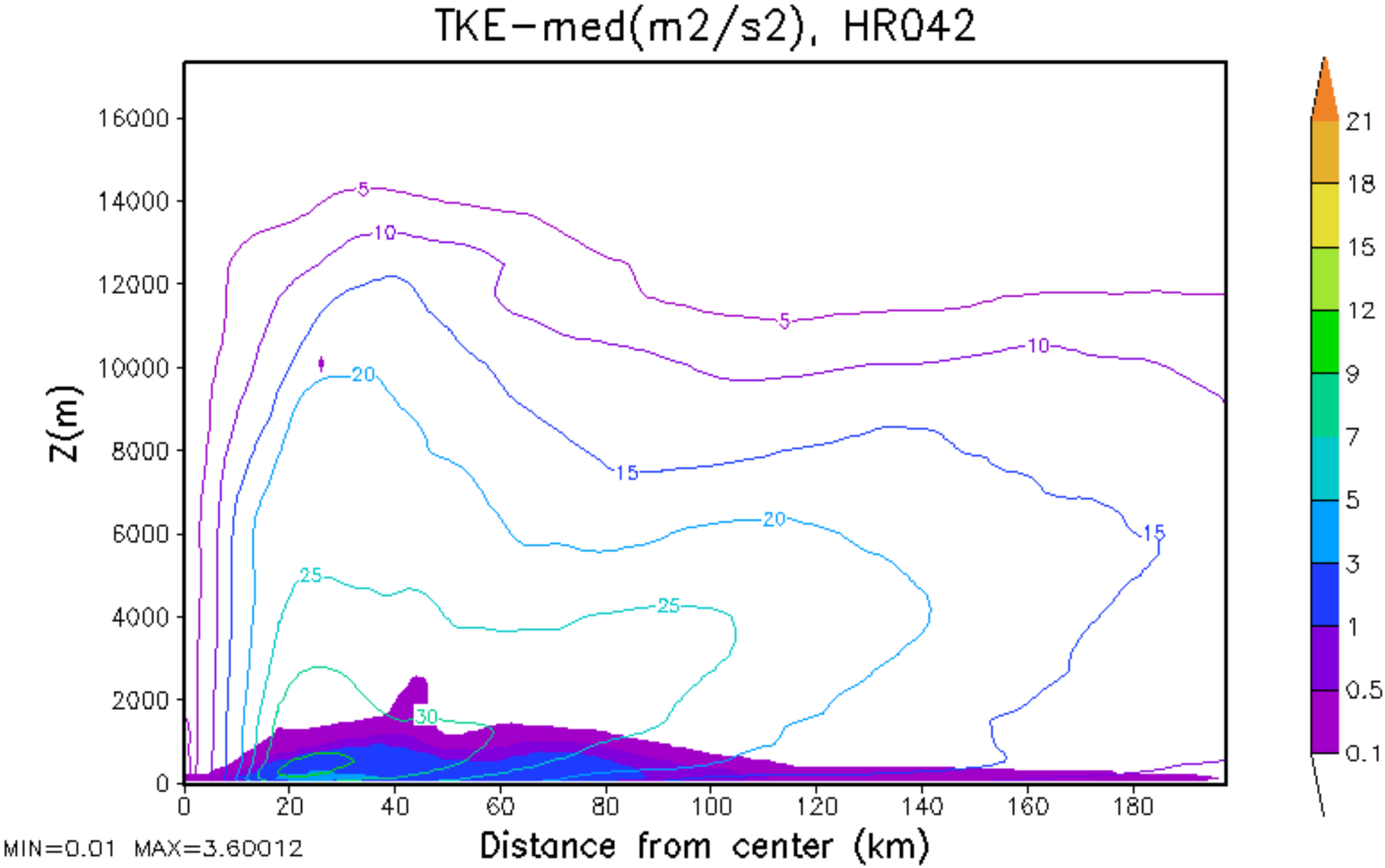
0.5
0.1


TKE-med(m2/s2), HR042
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)
5
10
20
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25
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21
18
15
12
9
7
5
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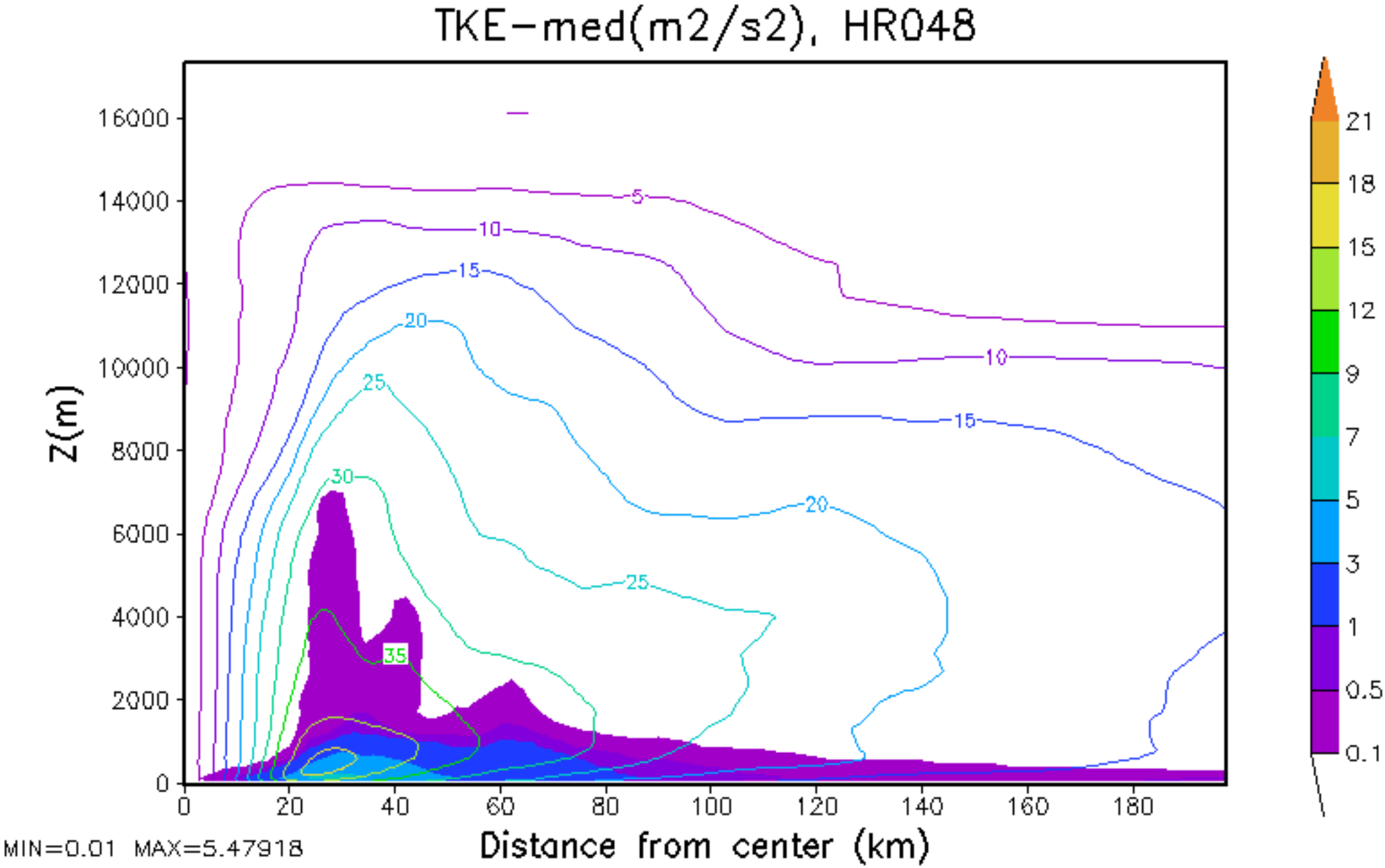
0.5
0.1
MIN=0.01 MAX=3.60012


TKE-med(m2/s2), 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)
5
10
15
20
25
30
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21
18
15
12
9
7
5
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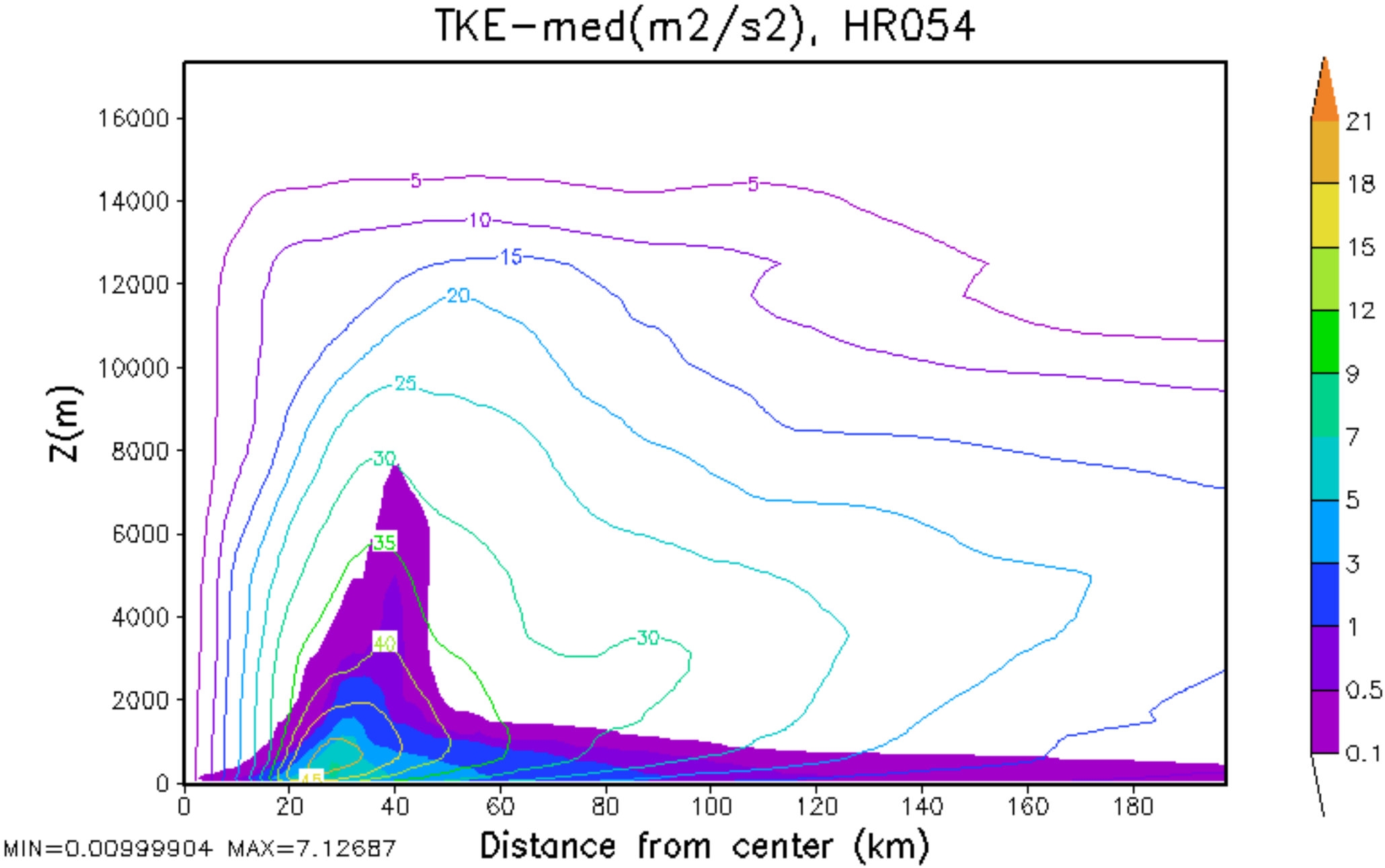
0.5
0.1
MIN=0.01 MAX=5.47918


TKE-med(m2/s2), HR054
Z(m)
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14000
12000
10000
8000
6000
4000
2000
0
0
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60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
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12
9
7
5
3
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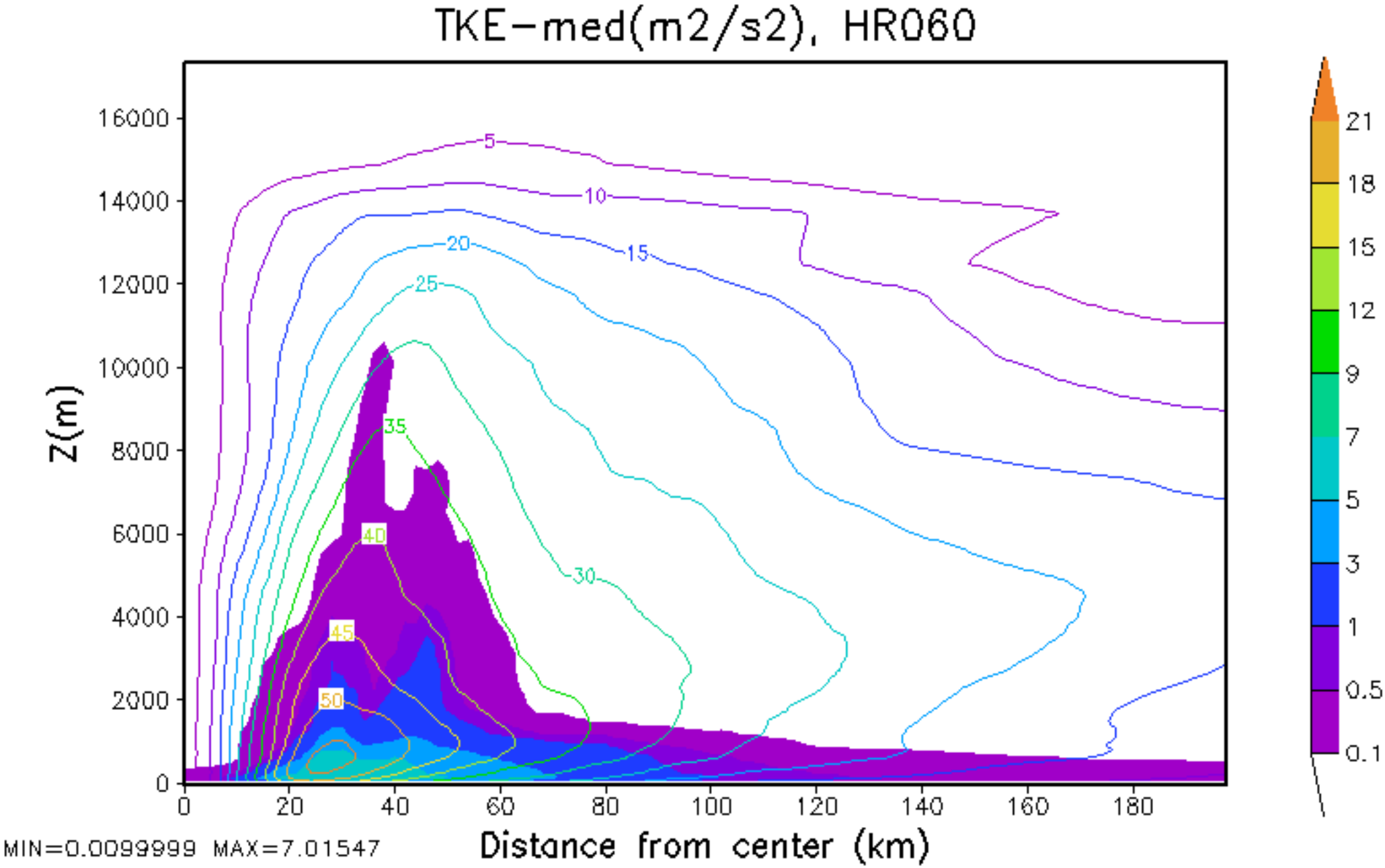
0.5
0.1
MIN=0.00999904 MAX=7.12687


TKE-med(m2/s2), 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)
5
10
15
20
25
30
35
40
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15
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3
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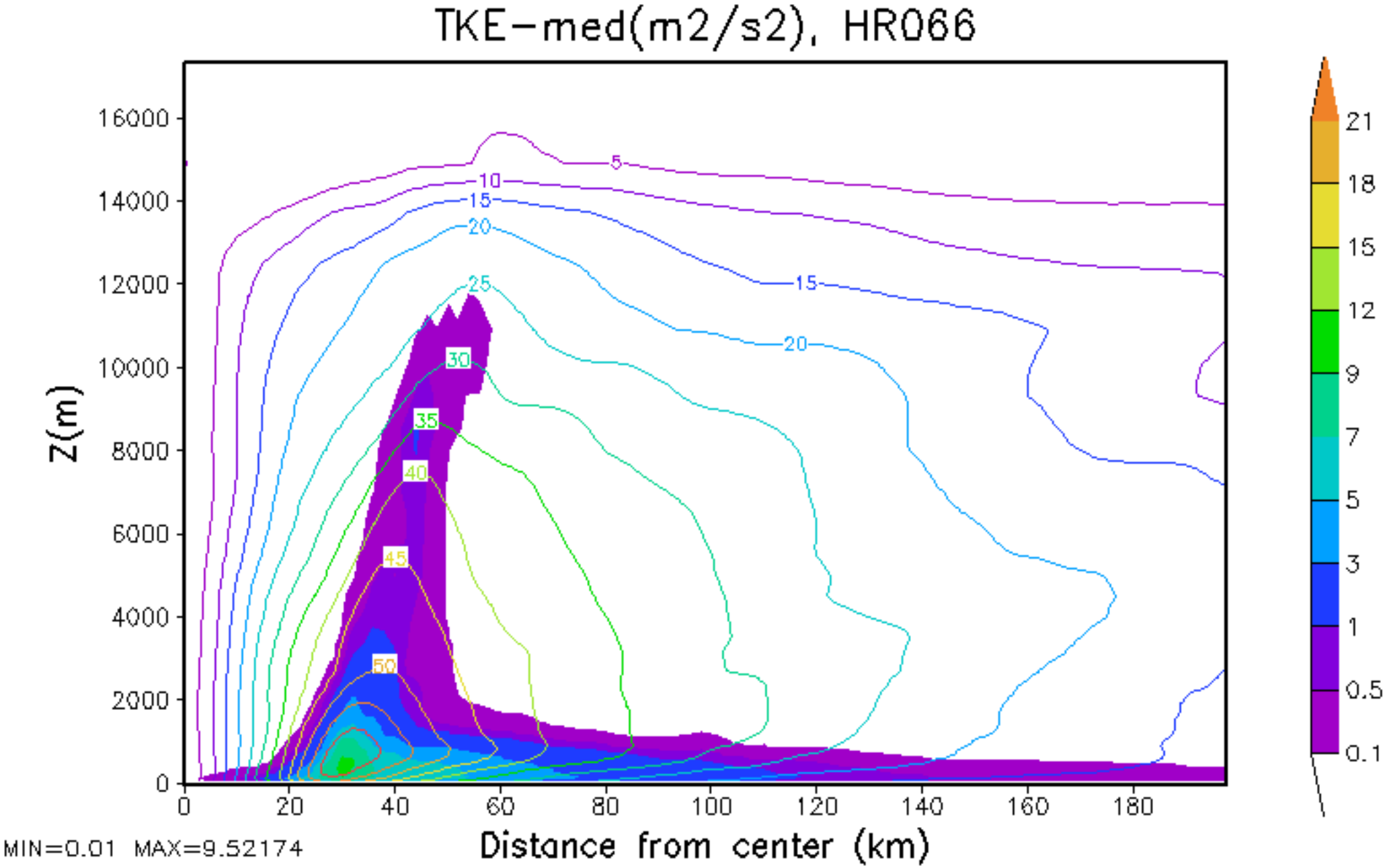
0.1
MIN=0.0099999 MAX=7.01547


TKE-med(m2/s2), 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)
5
10
15
20
25
30
35
40
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12
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7
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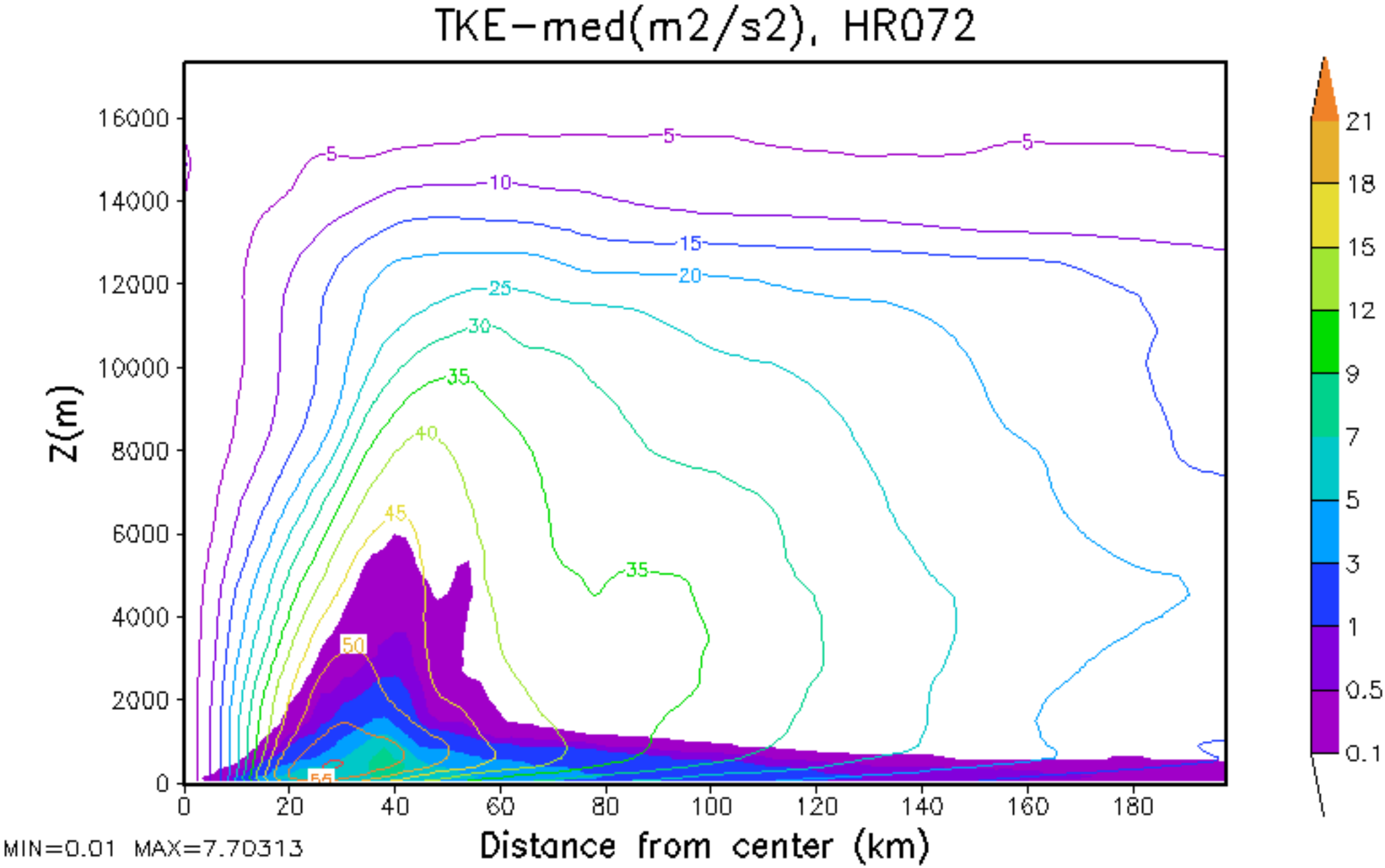
0.5
0.1
MIN=0.01 MAX=9.52174


TKE-med(m2/s2), HR072
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)
5
10
15
20
25
30
35
40
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50
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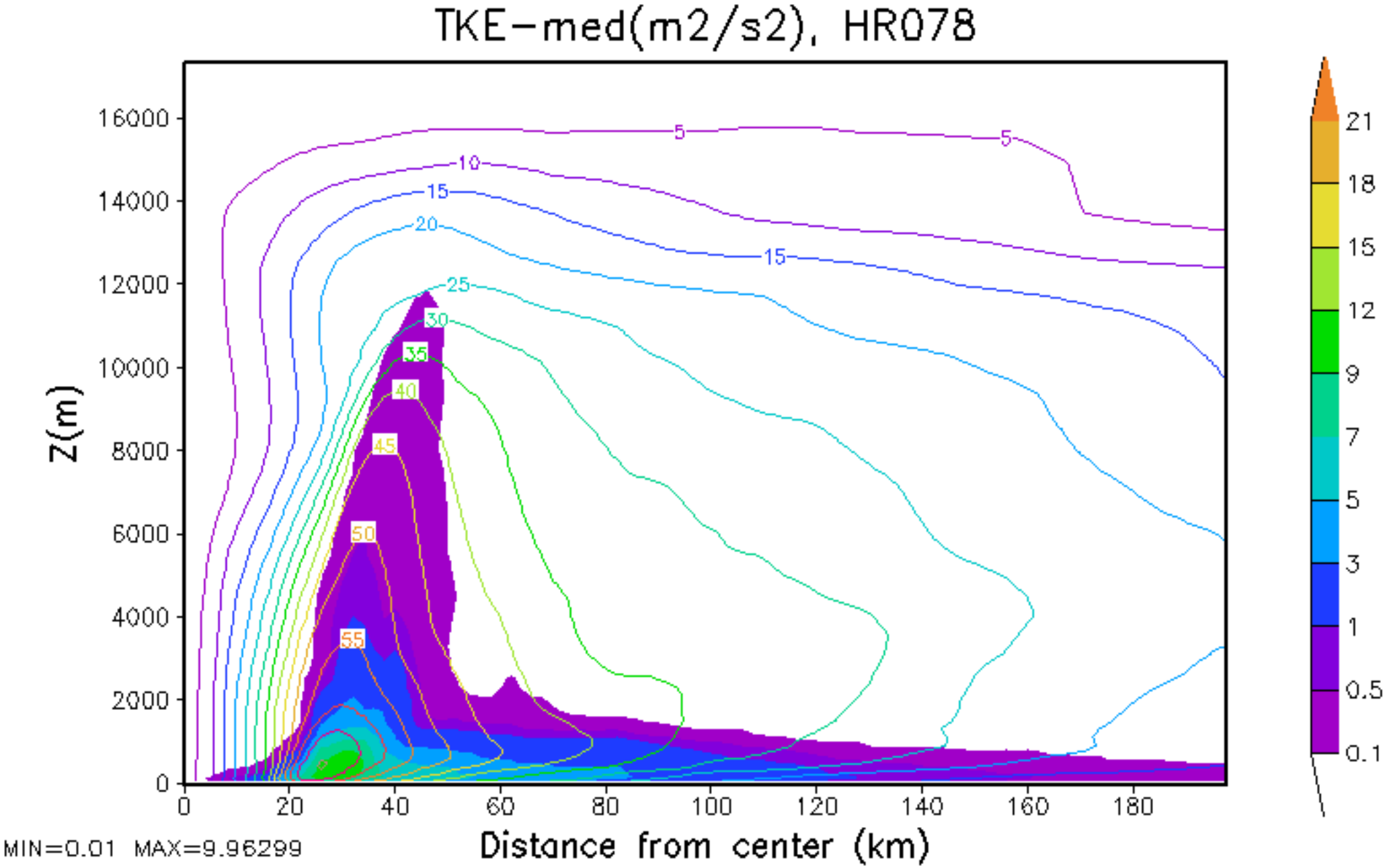
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=7.70313


TKE-med(m2/s2), HR078
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)
5
10
15
20
25
30
35
40
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50
55
21
18
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12
9
7
5
3
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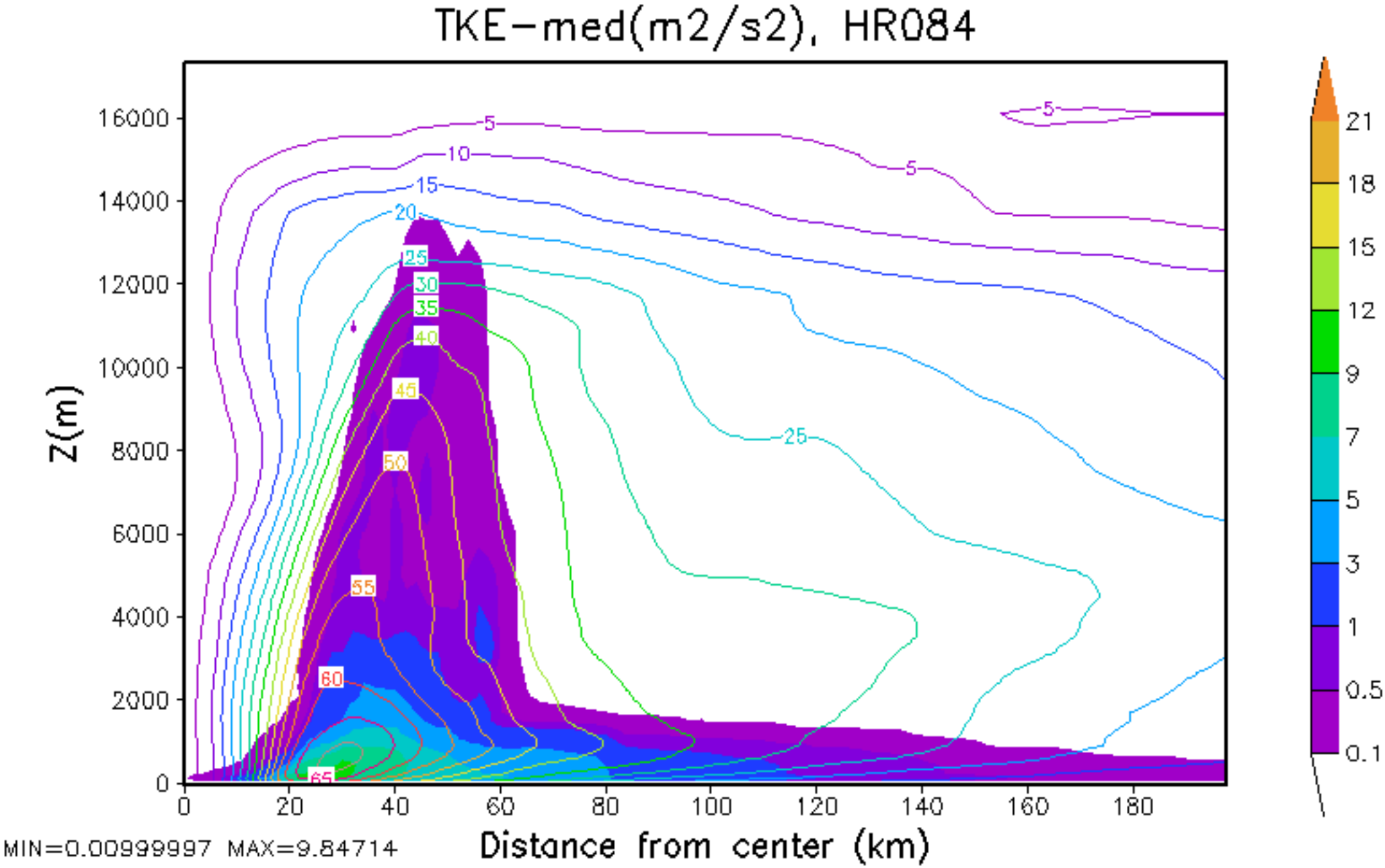
0.5
0.1
MIN=0.01 MAX=9.96299


TKE-med(m2/s2), HR084
Z(m)
Distance from center (km)
MIN=0.00999997 MAX=9.84714
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2000
4000
6000
8000
10000
12000
14000
16000
0
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40
60
80
100
120
140
160
180
5
10
15
20
25
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15
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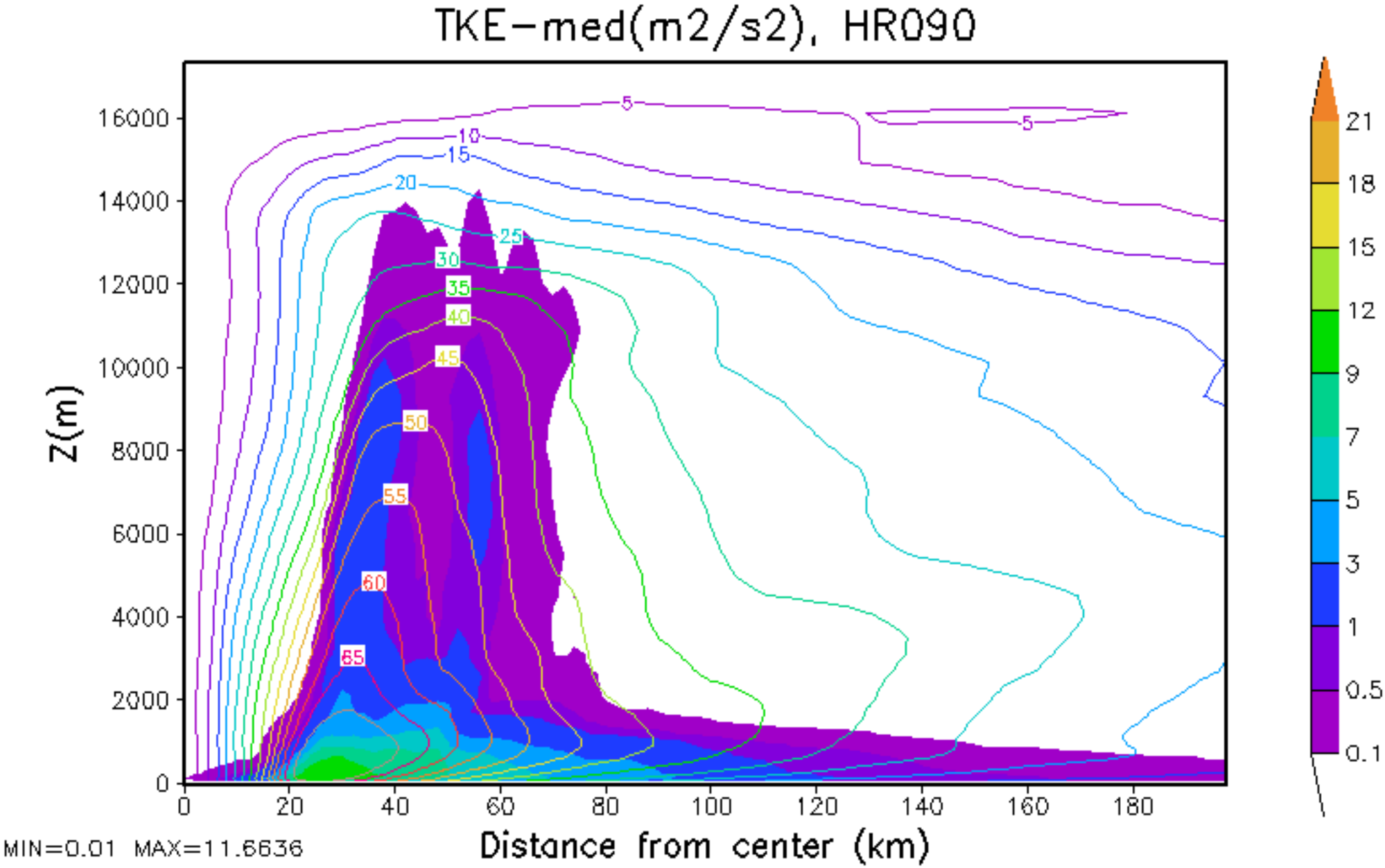
9
7
5
3
1
0.5
0.1


TKE-med(m2/s2), HR090
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)
5
10
15
20
25
30
35
40
45
50
55
60
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21
18
15
12
9
7
5
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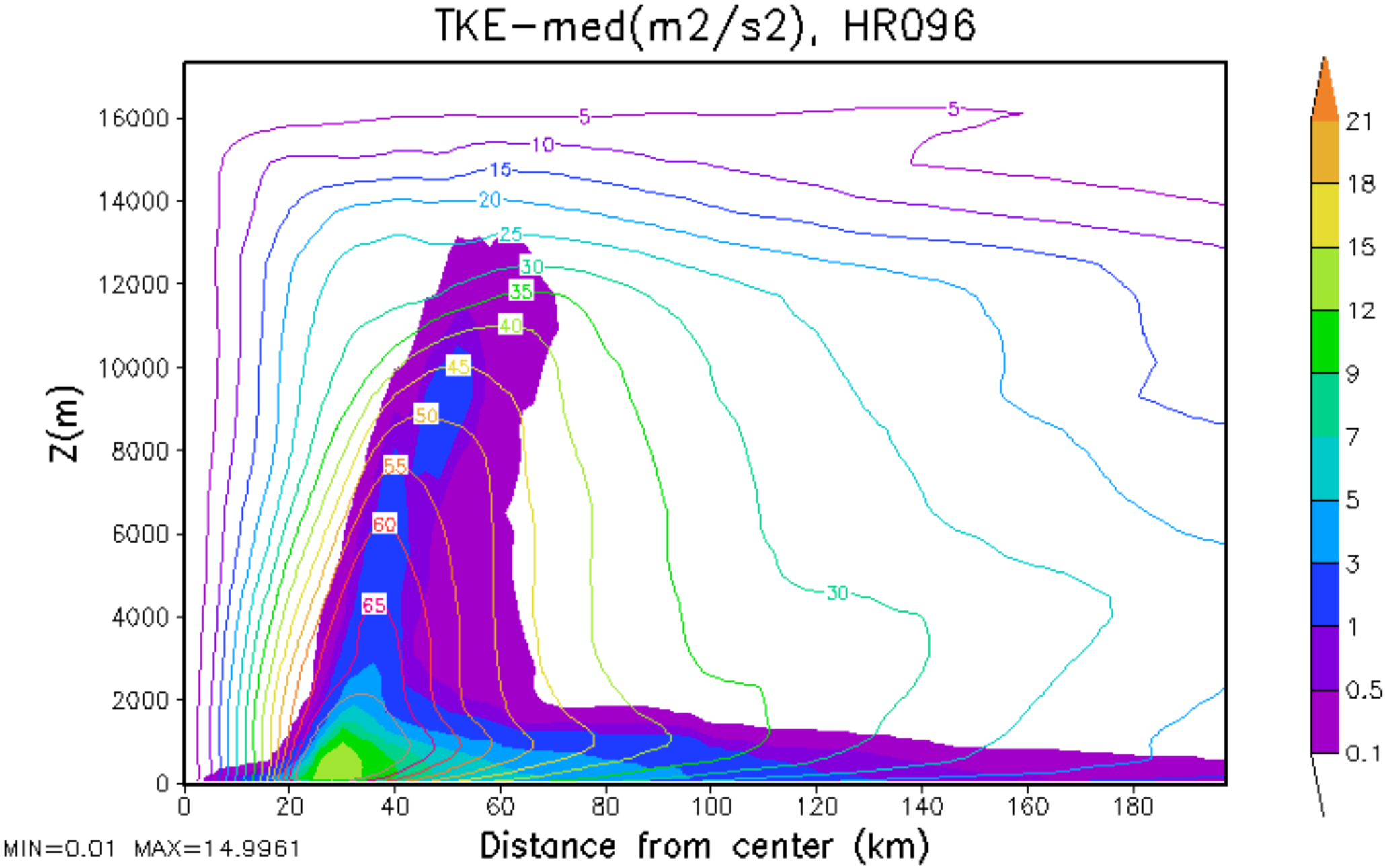
1
0.5
0.1
MIN=0.01 MAX=11.6636


TKE-med(m2/s2), HR096
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)
5
10
15
20
25
30
35
40
45
50
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12
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7
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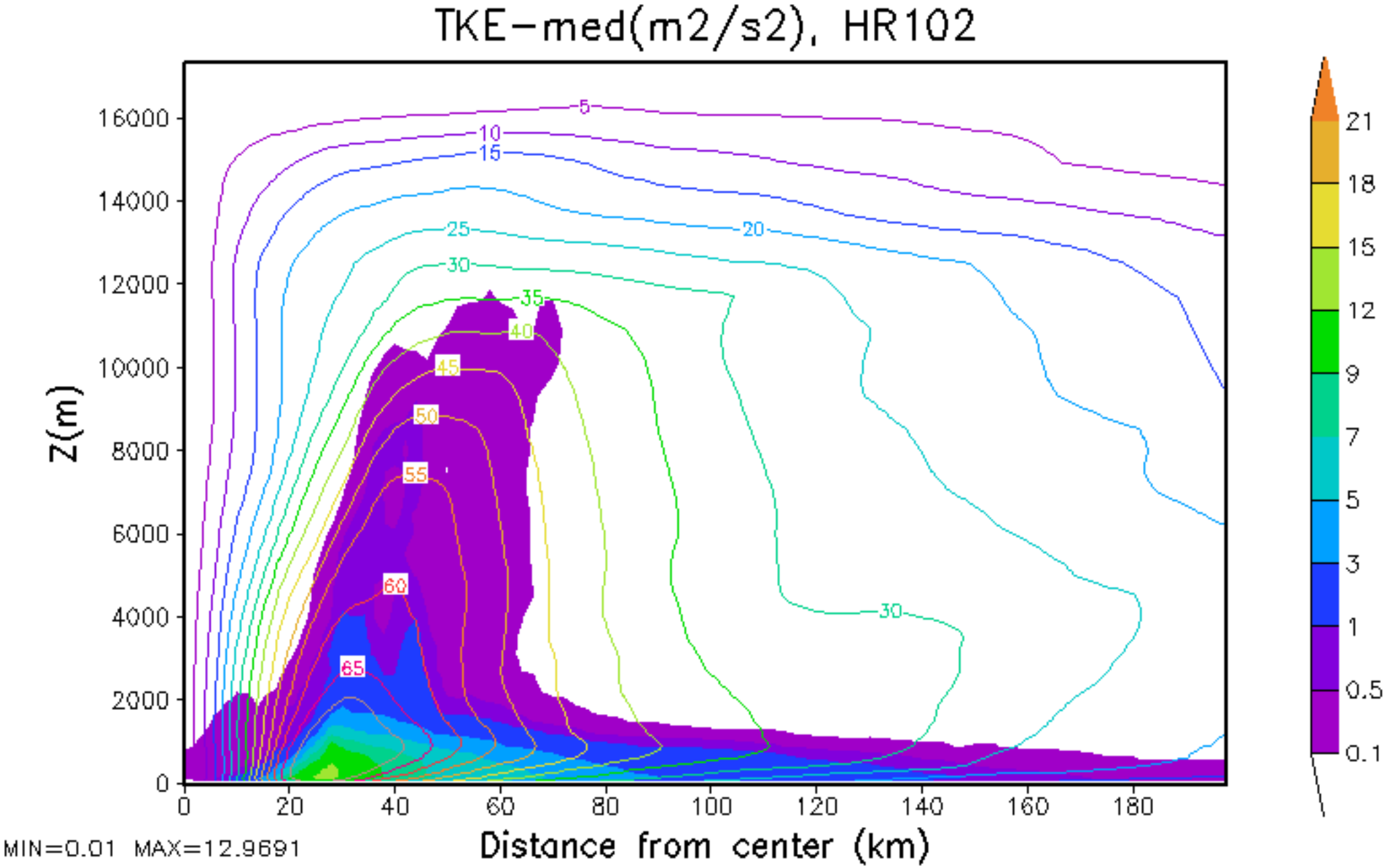
0.5
0.1
MIN=0.01 MAX=14.9961


TKE-med(m2/s2), HR102
Z(m)
Distance from center (km)
MIN=0.01 MAX=12.9691
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
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10
15
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25
30
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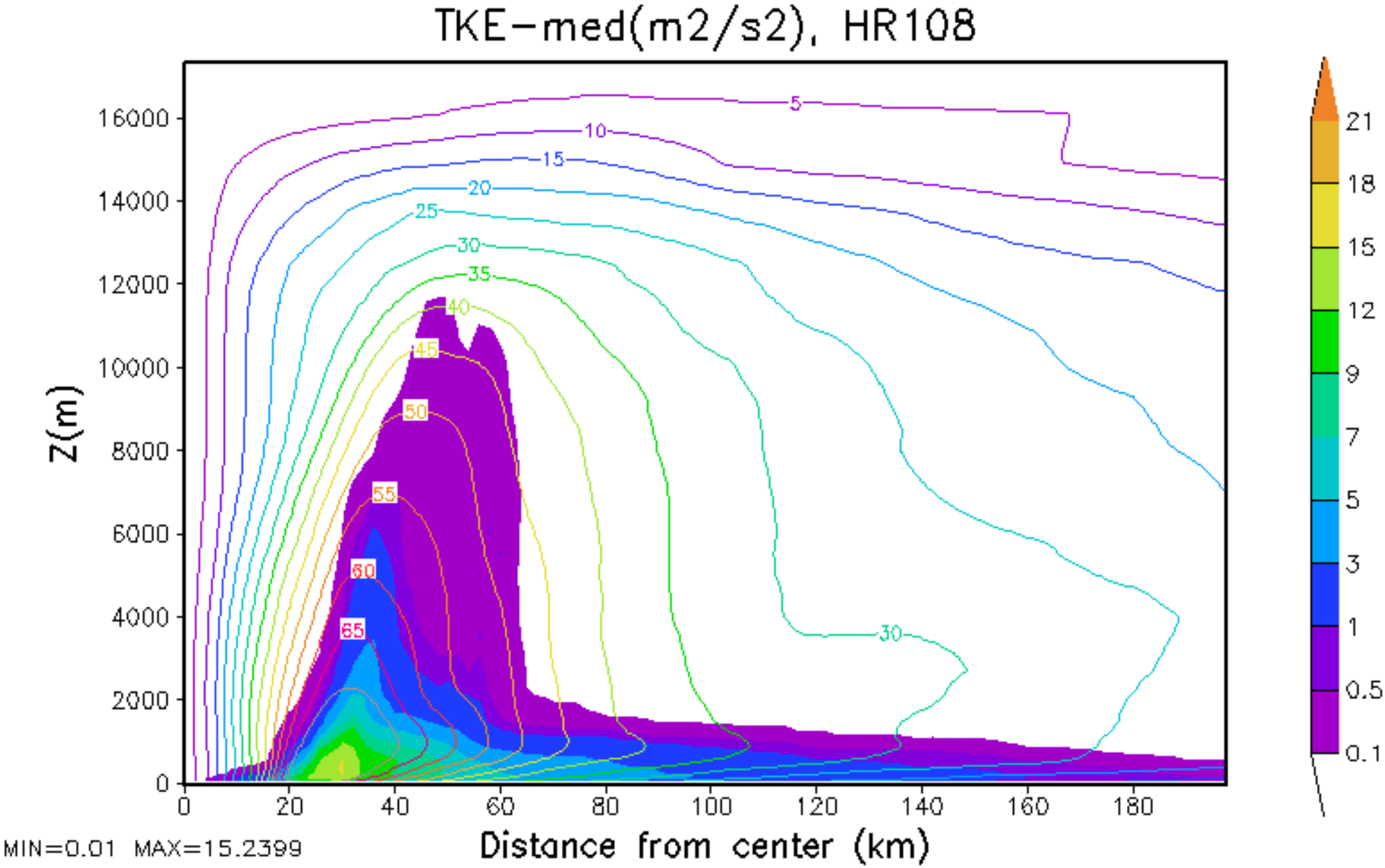
55
60
65
30
21
18
15
12
9
7
5
3
1
0.5
0.1


TKE-med(m2/s2), HR108
Z(m)
Distance from center (km)
MIN=0.01 MAX=15.2399
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
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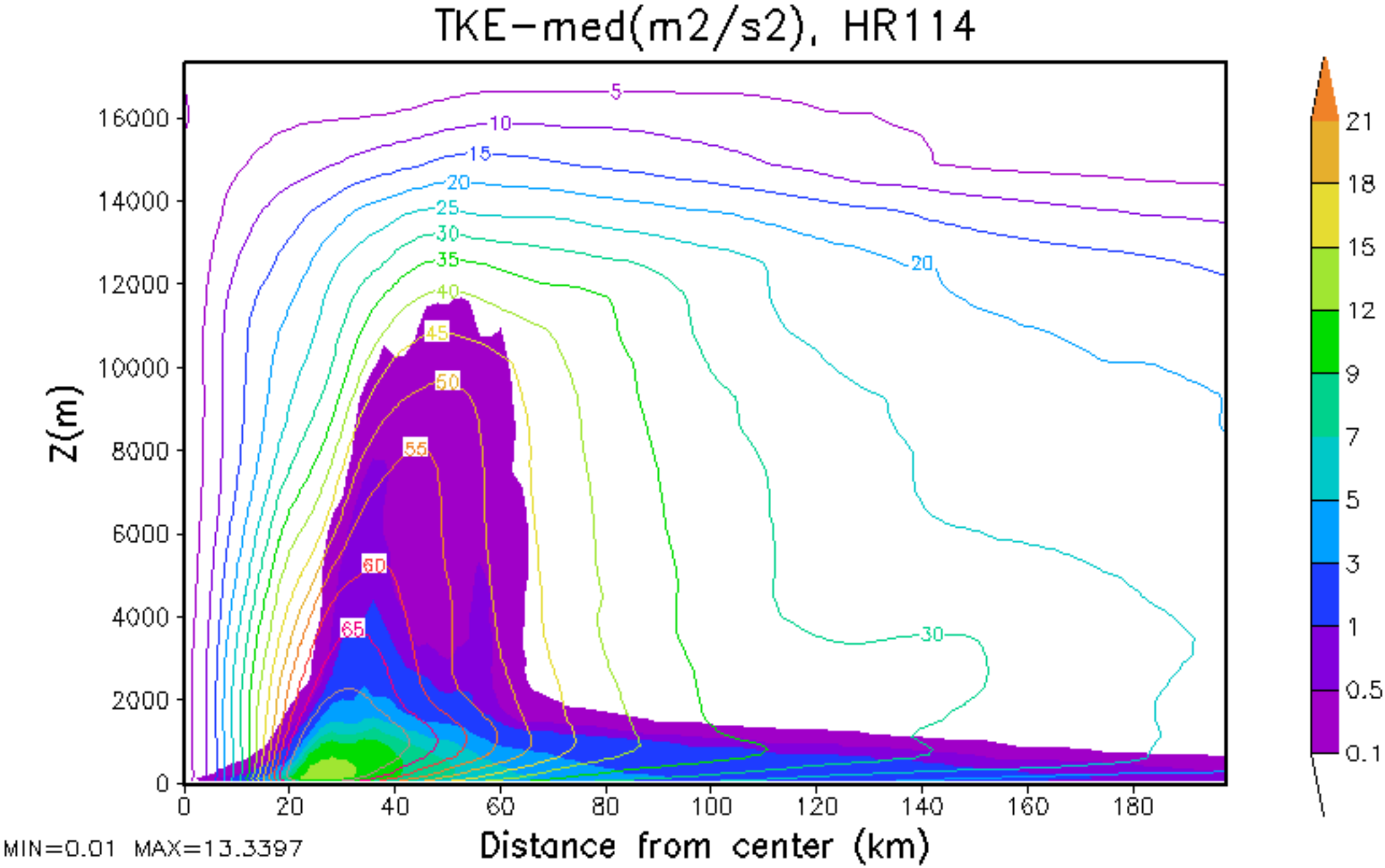
60
65
30
21
18
15
12
9
7
5
3
1
0.5
0.1


TKE-med(m2/s2), HR114
Z(m)
Distance from center (km)
MIN=0.01 MAX=13.3397
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2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
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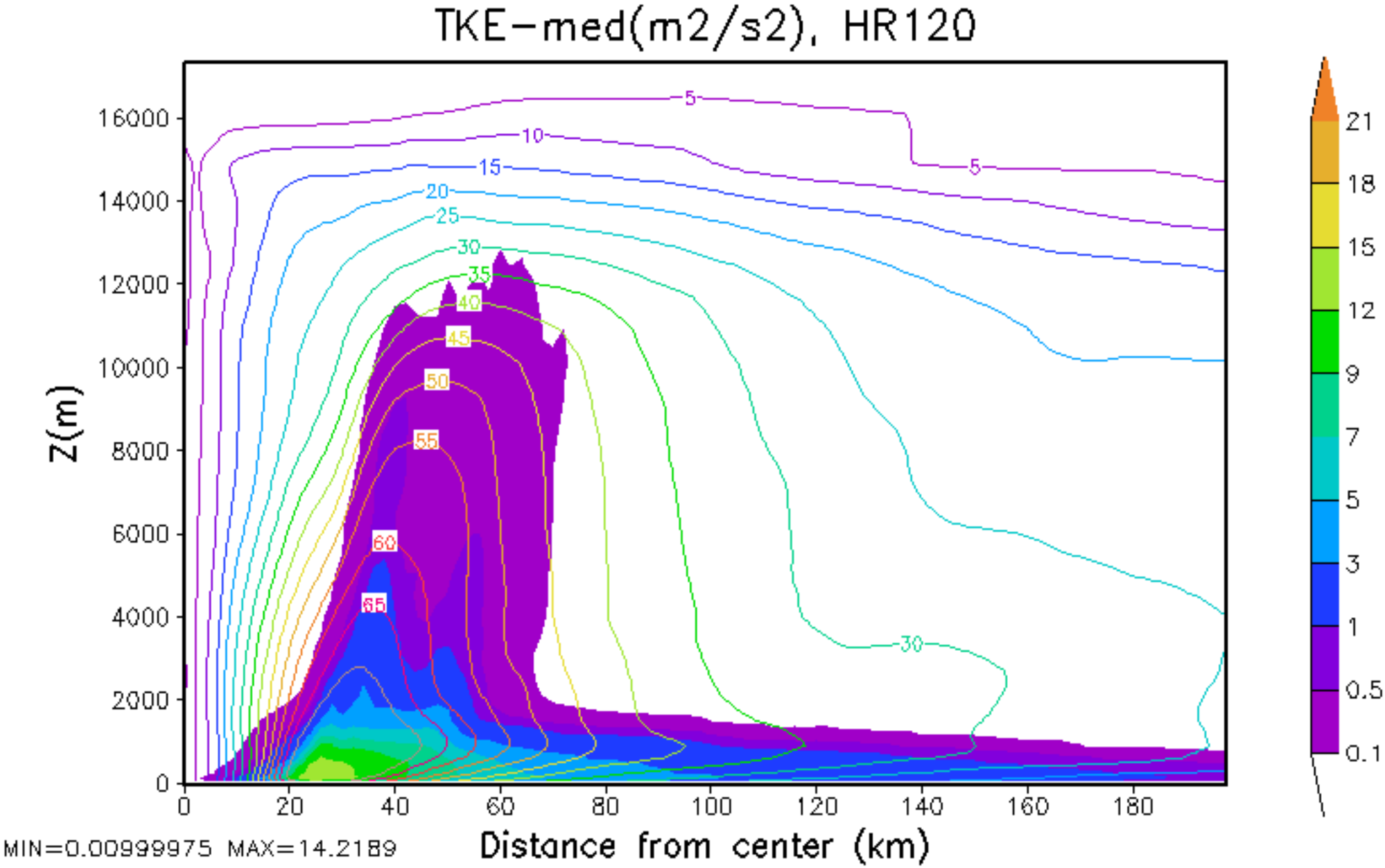
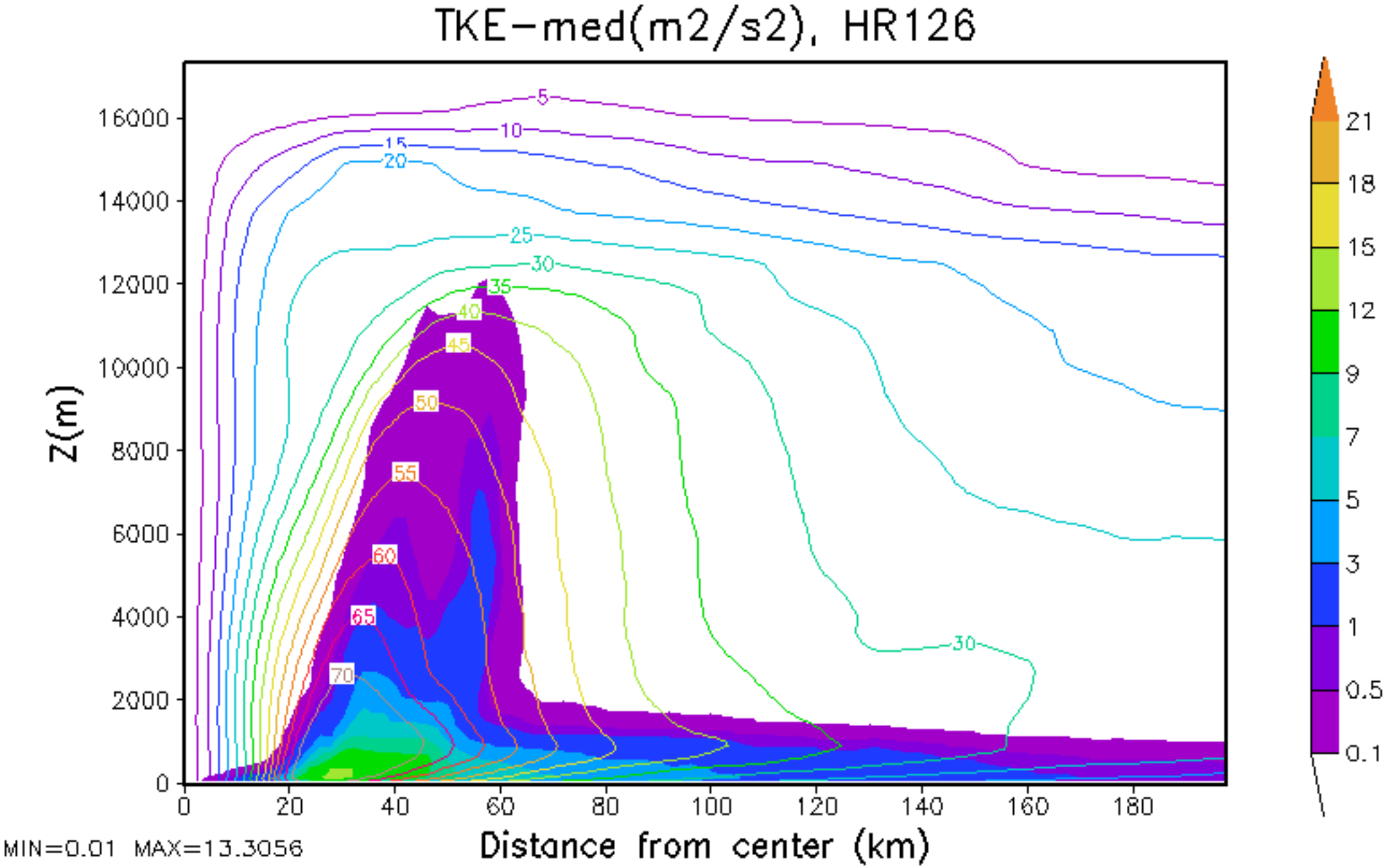
60
65
20
30
21
18
15
12
9
7
5
3
1
0.5
0.1


TKE-med(m2/s2), HR120
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)
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999975 MAX=14.2189


TKE-med(m2/s2), HR126
Z(m)
Distance from center (km)
MIN=0.01 MAX=13.3056
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4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
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60
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70
30
21
18
15
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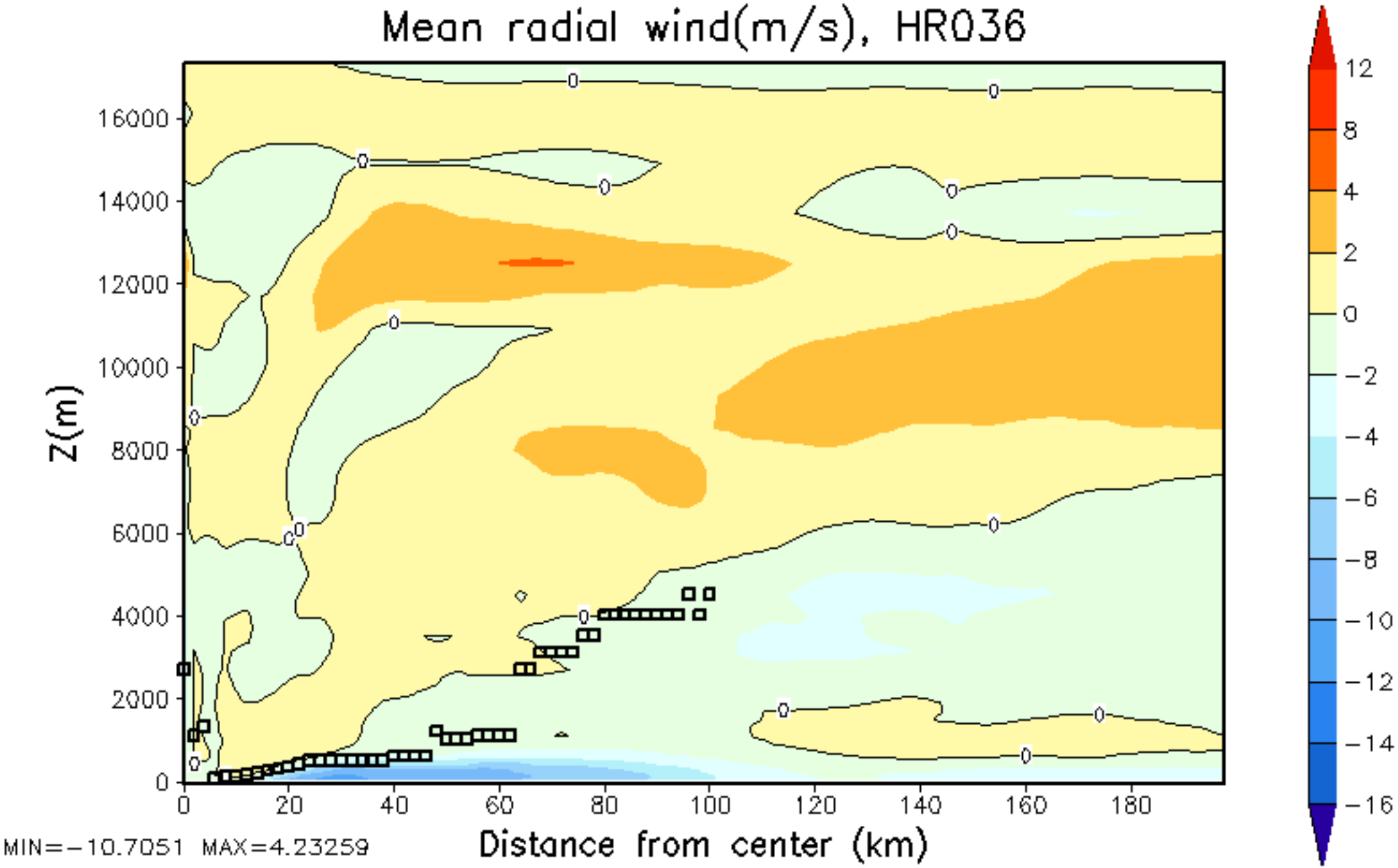
9
7
5
3
1
0.5
0.1


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=-10.7051 MAX=4.23259
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8
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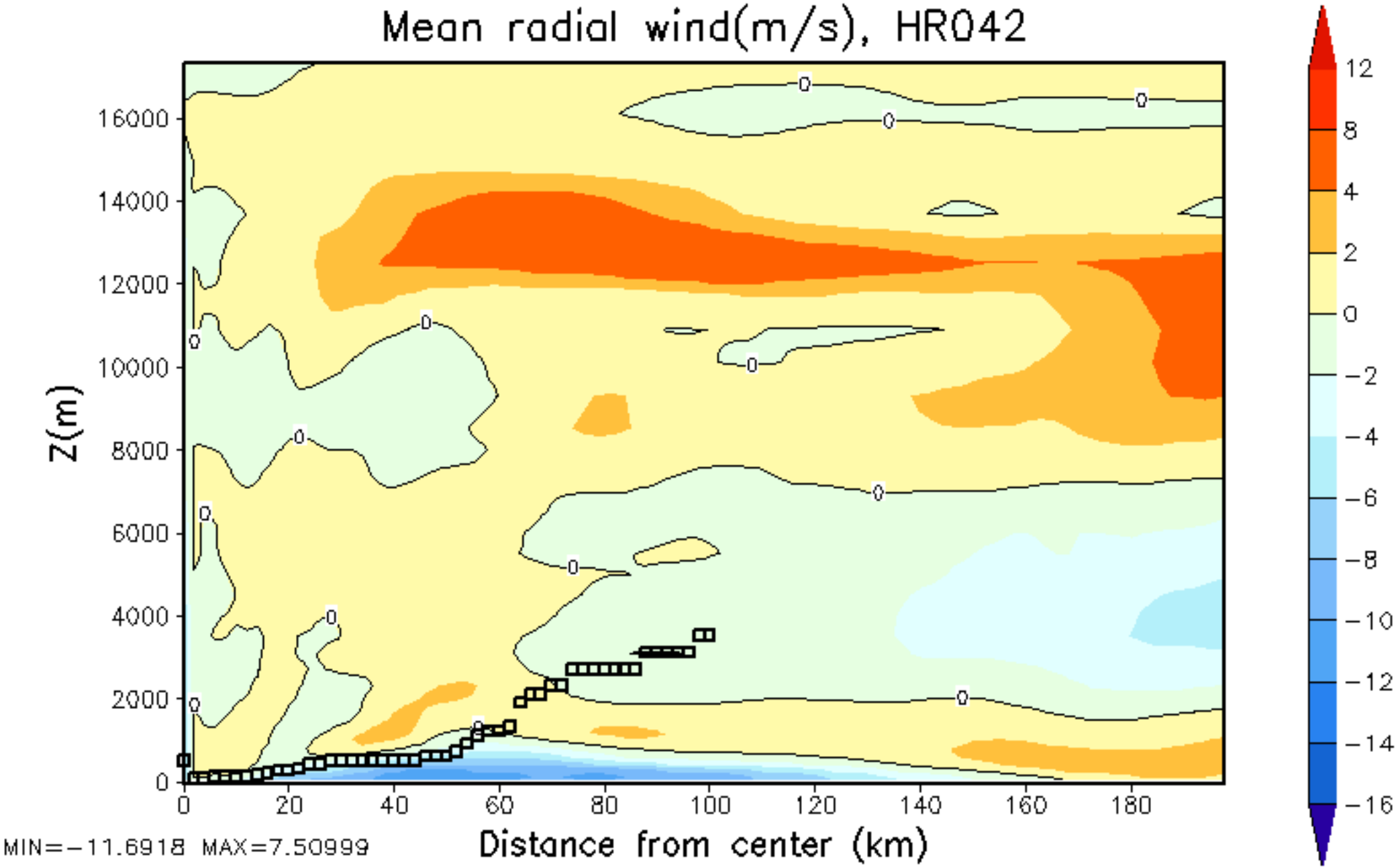
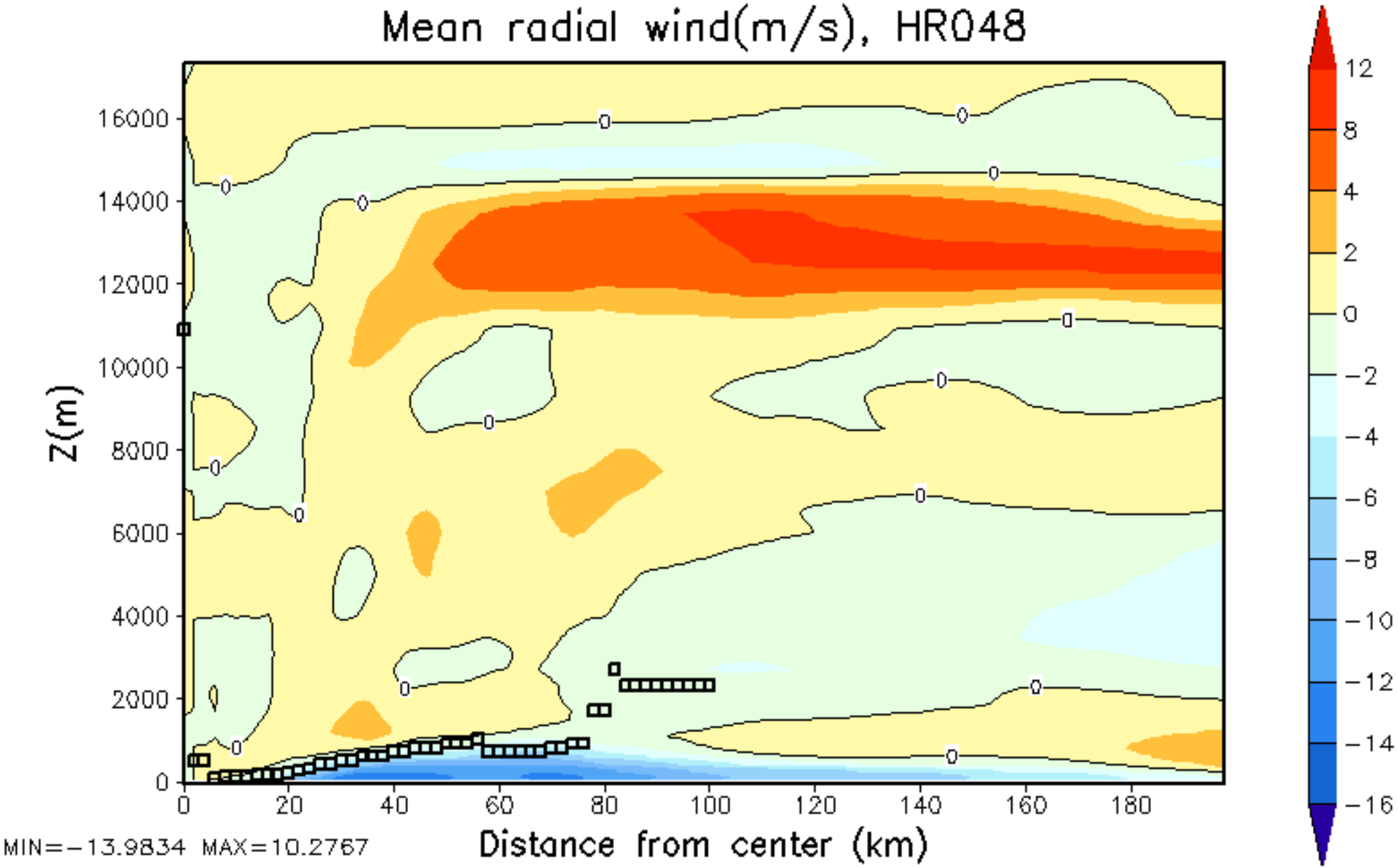
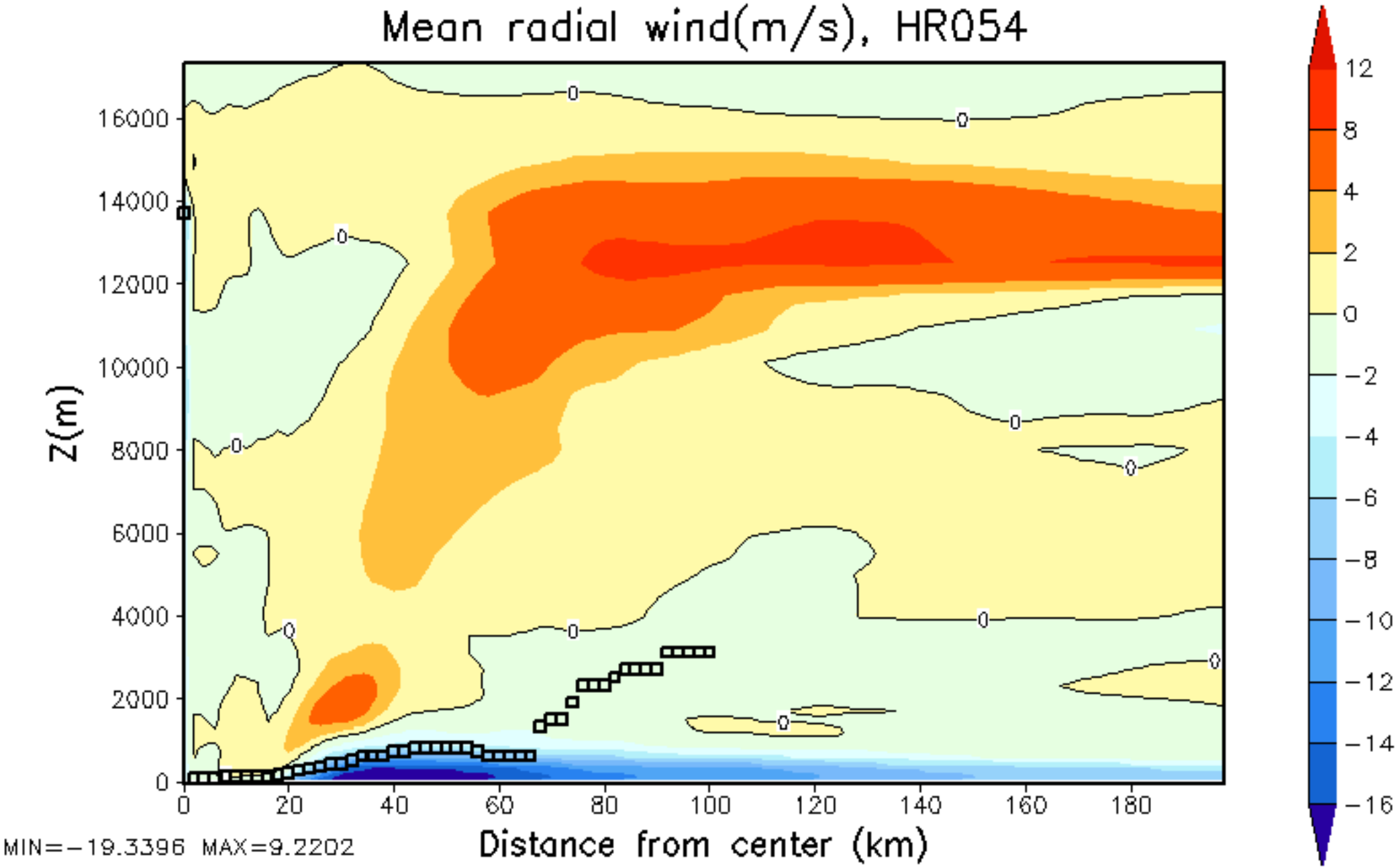
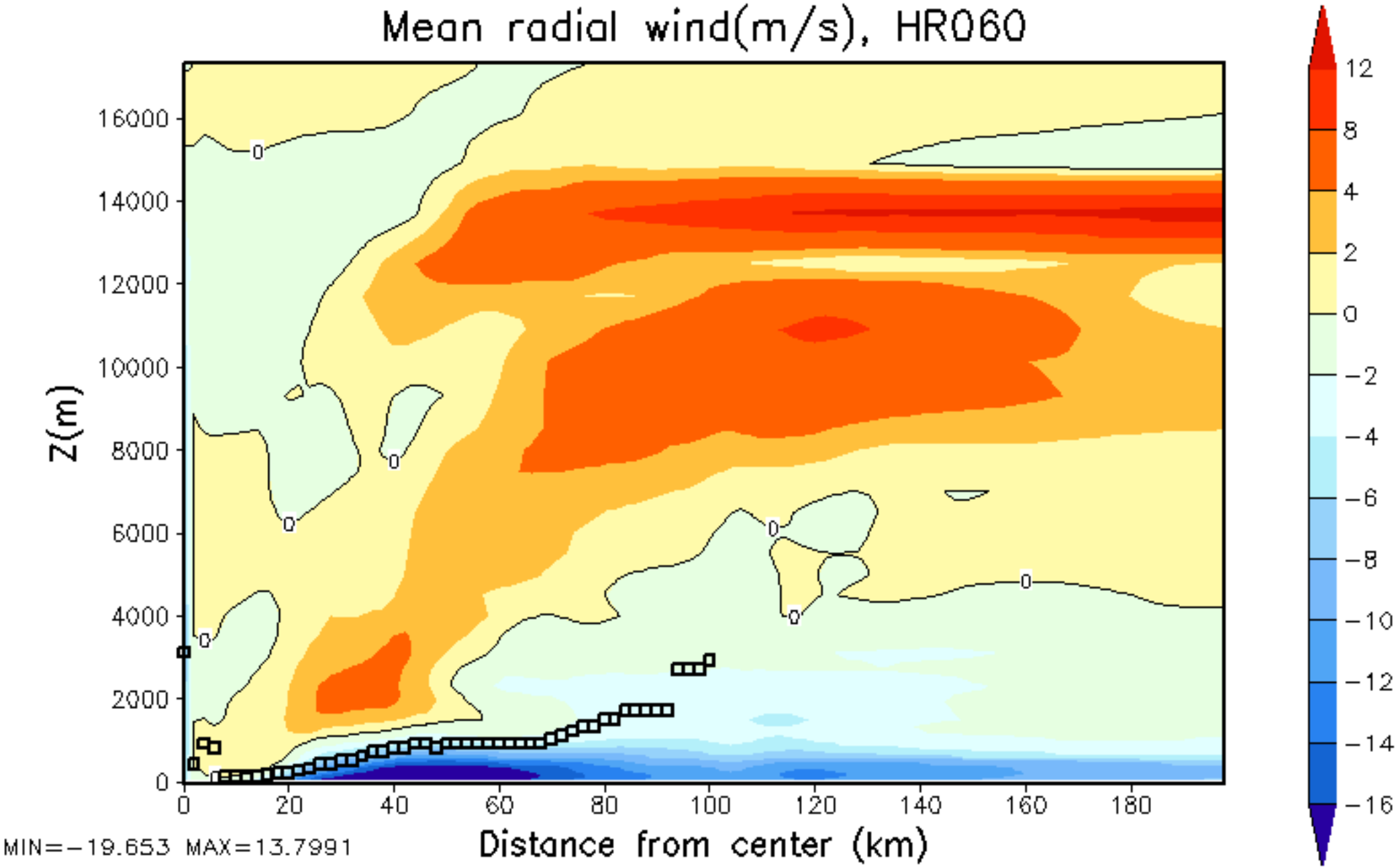
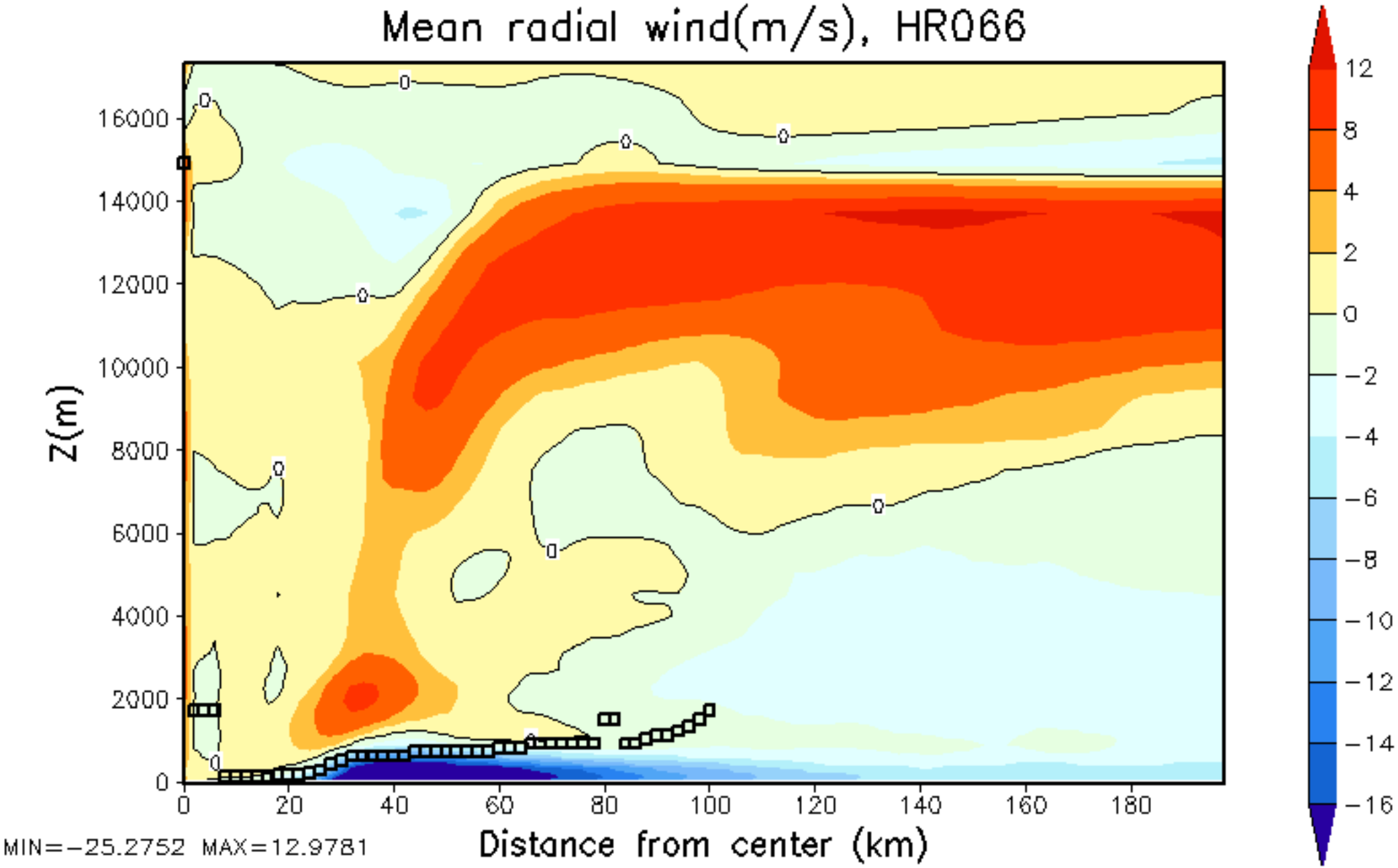
2
0
-2
-4
-6
-8
-10
-12
-14
-16

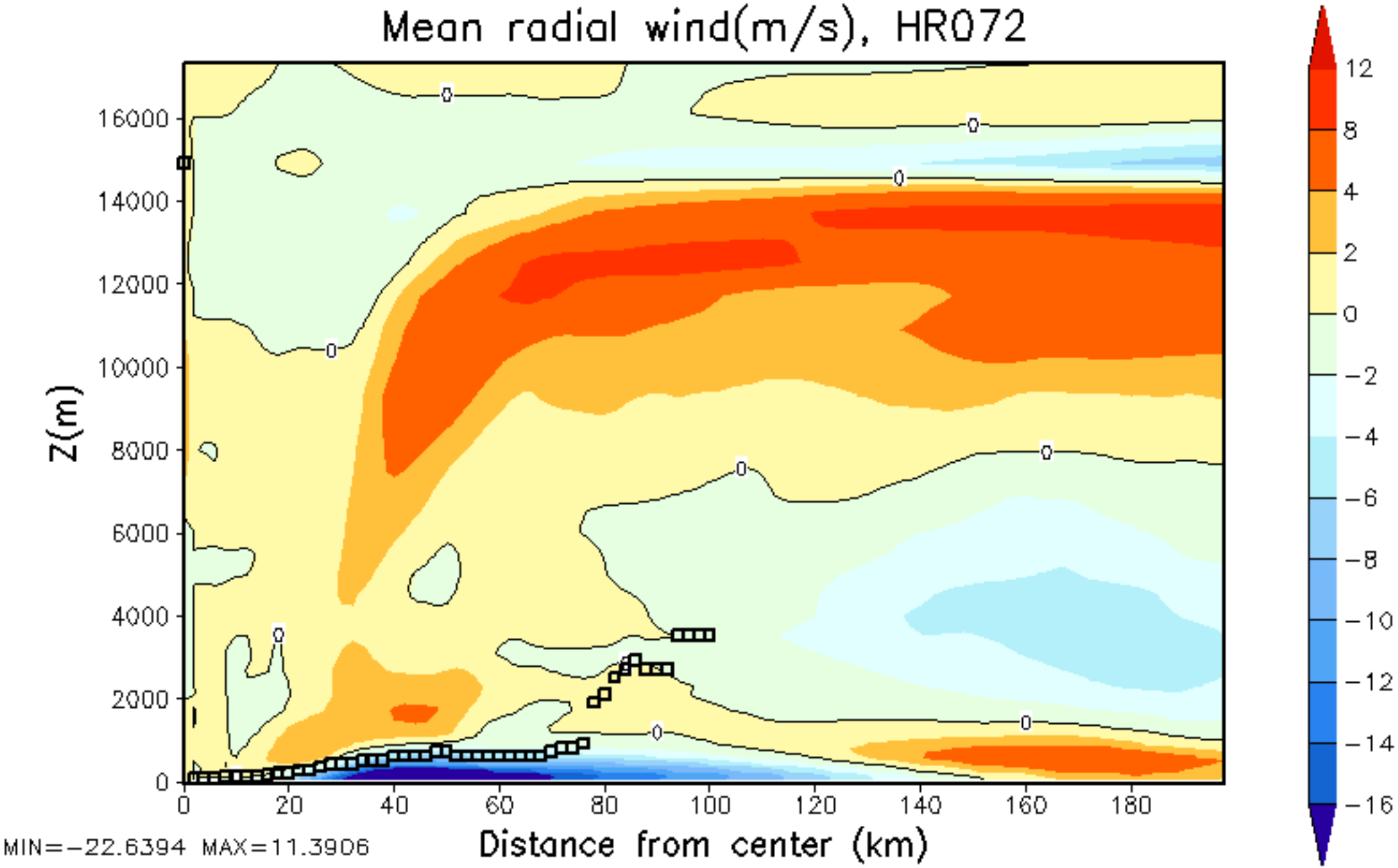

Mean radial wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-11.6918 MAX=7.50999
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

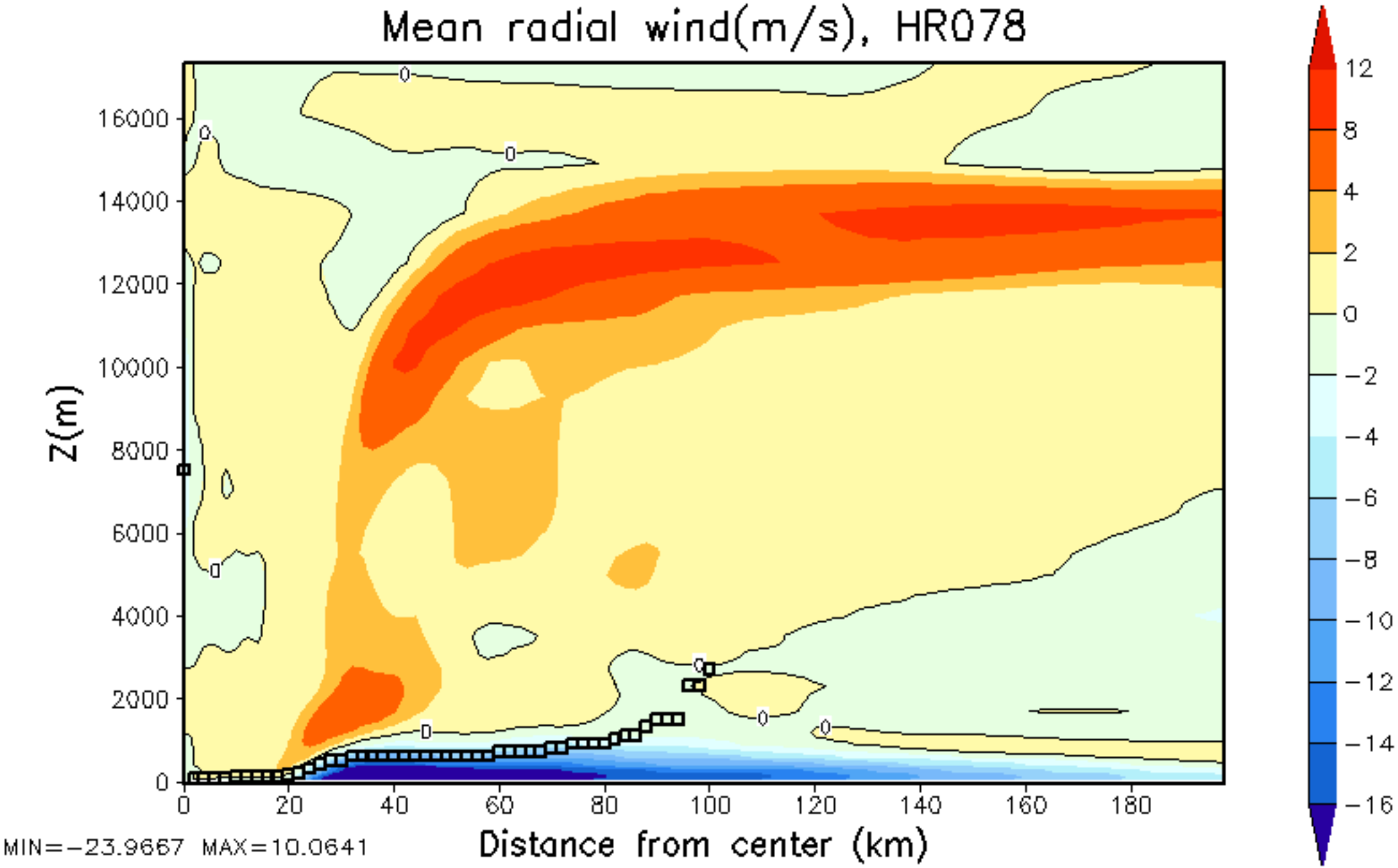

Mean radial wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−13.9834 MAX=10.2767
12
8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16

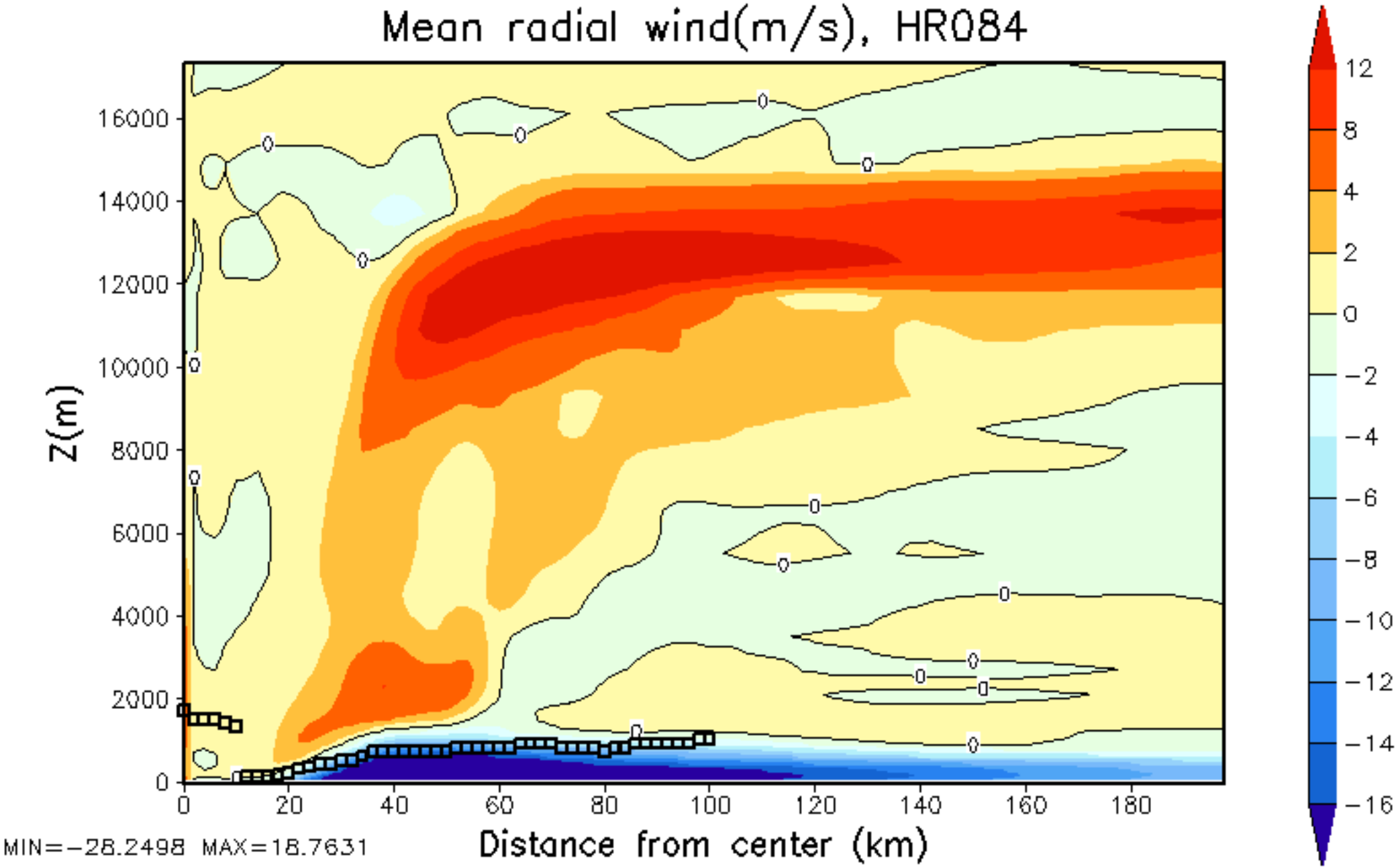

Mean radial wind(m/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-19.3396 MAX=9.2202
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

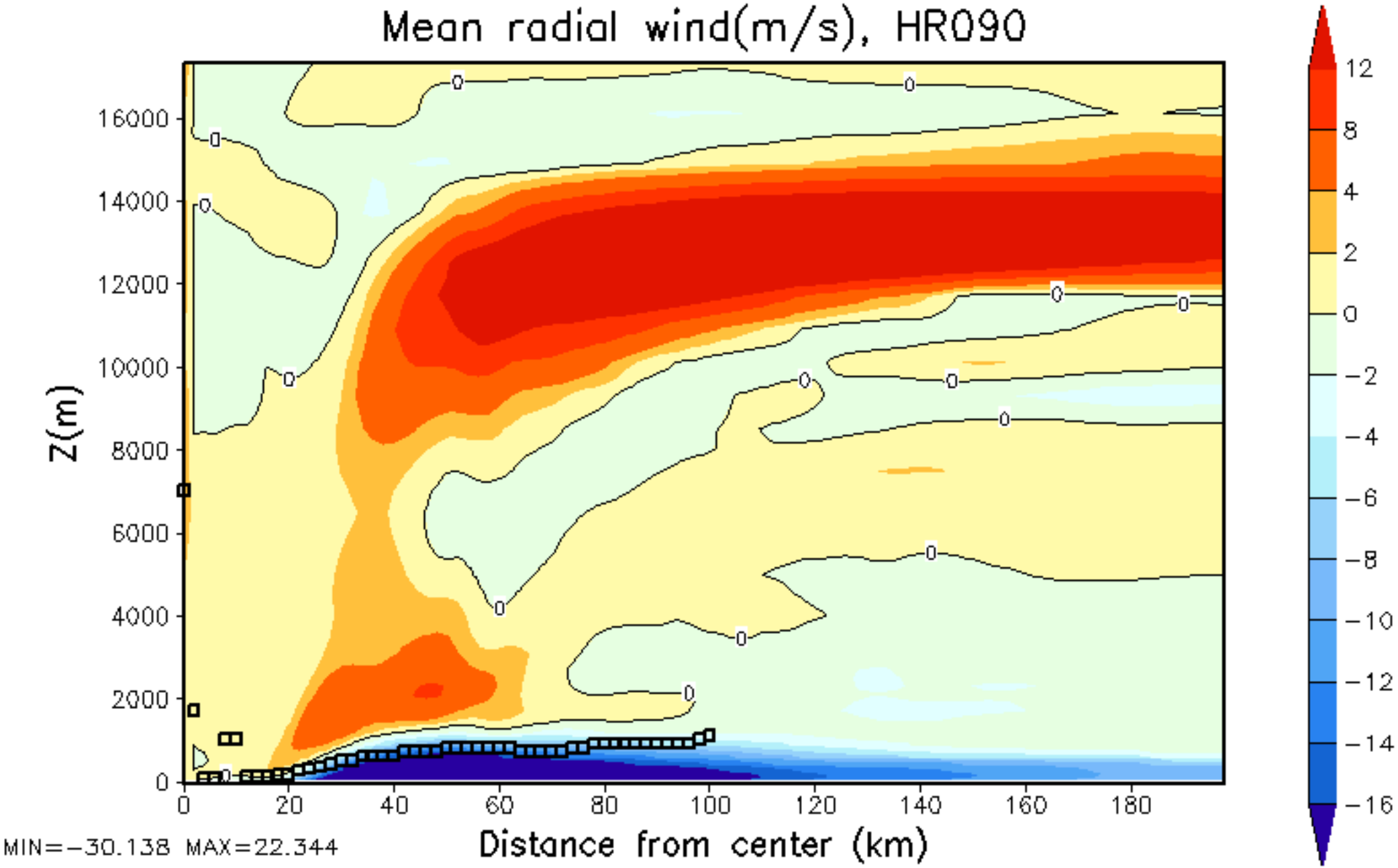

Mean radial wind(m/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−19.653 MAX=13.7991
12
8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16

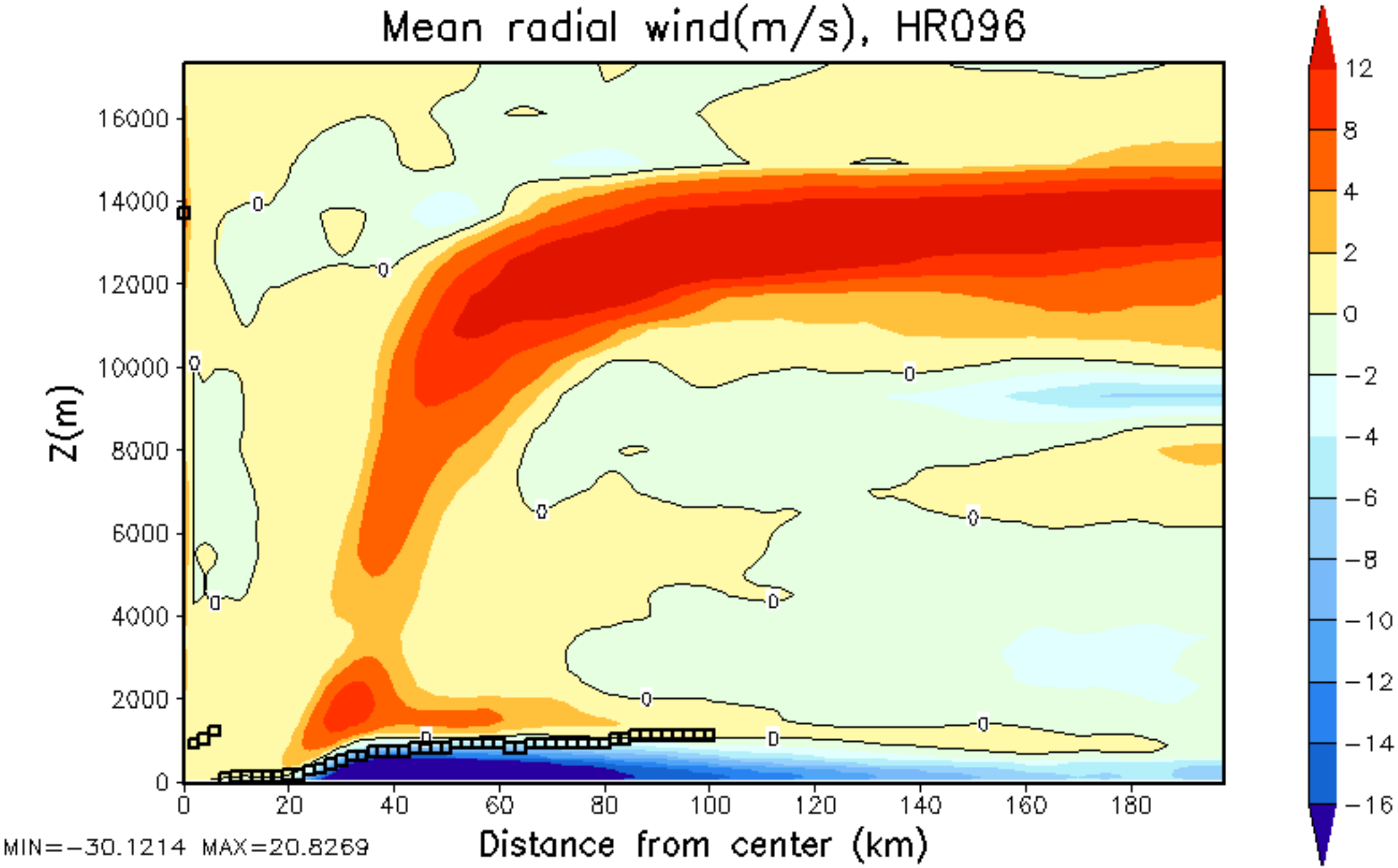

Mean radial wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-25.2752 MAX=12.9781
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

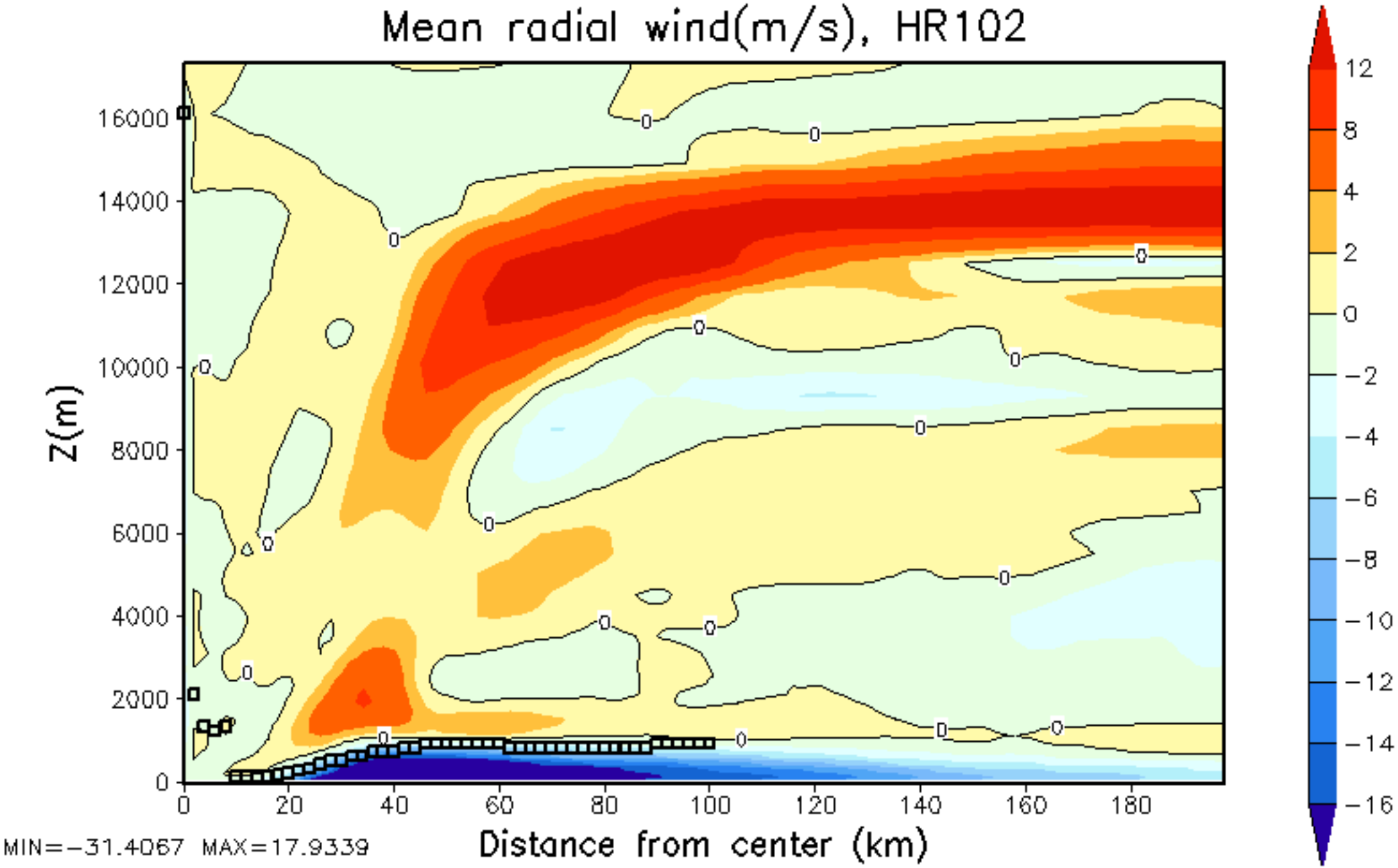

Mean radial wind(m/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-22.6394 MAX=11.3906
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

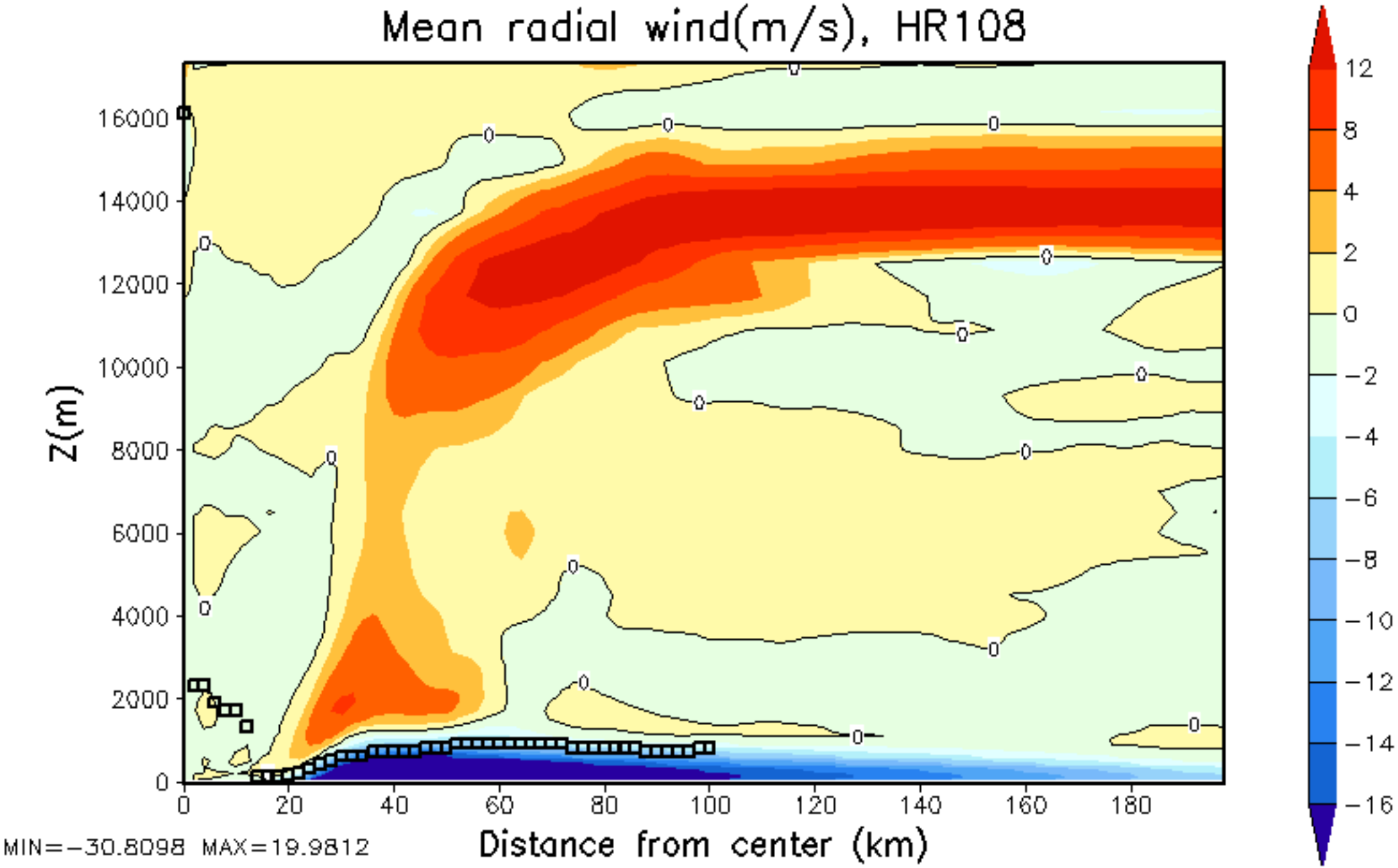

Mean radial wind(m/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-23.9667 MAX=10.0641
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

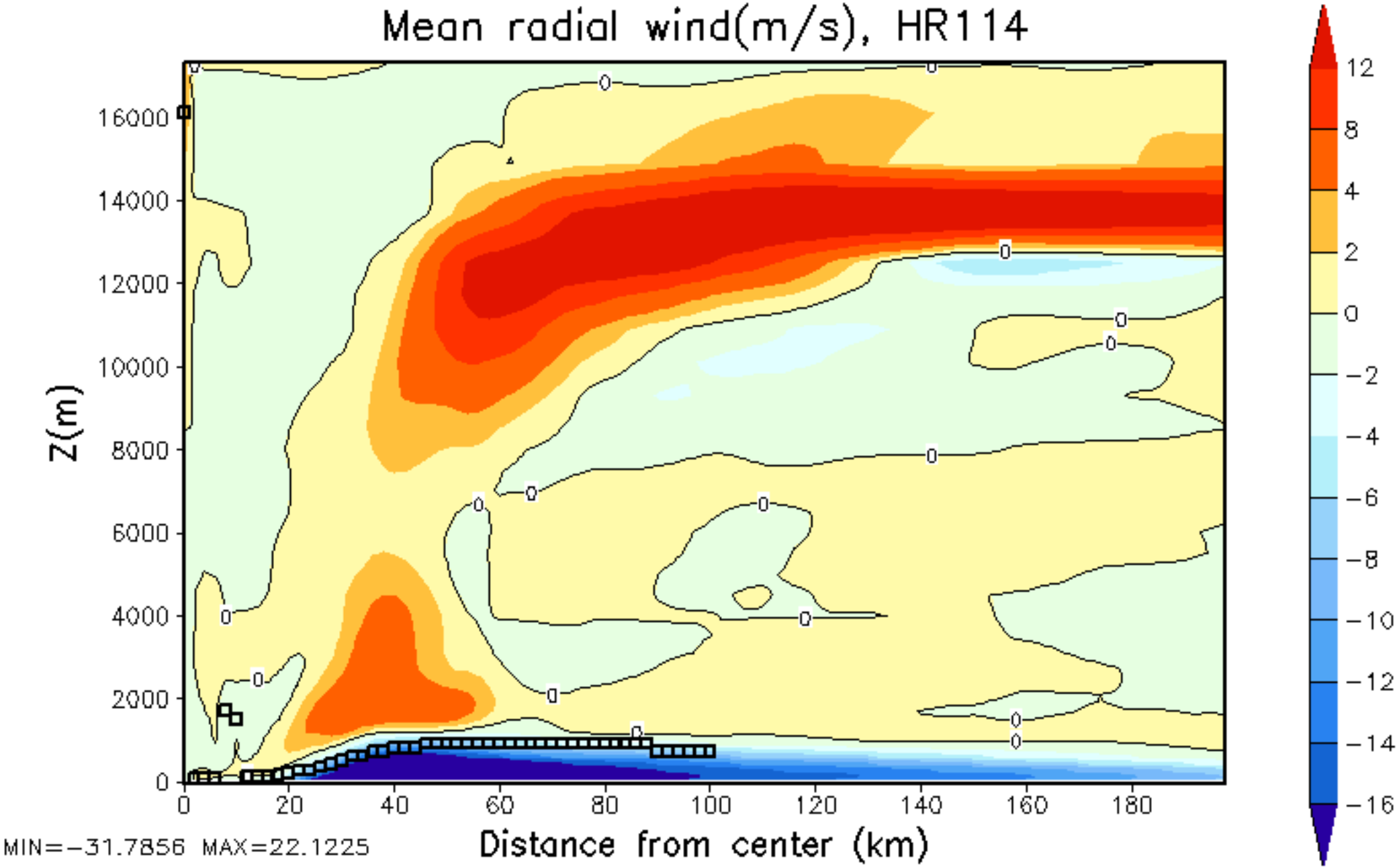

Mean radial wind(m/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-28.2498 MAX=18.7631
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

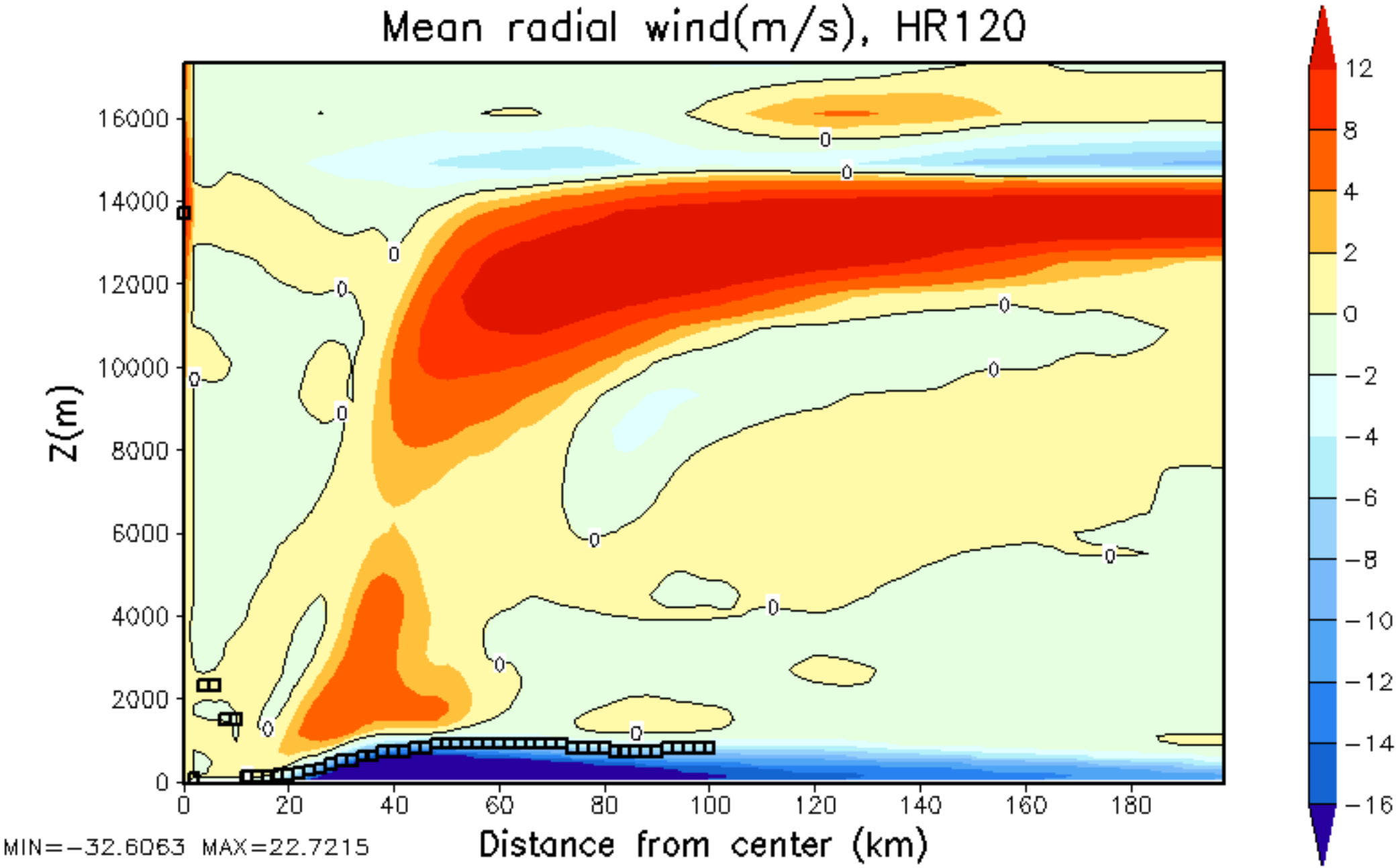

Mean radial wind(m/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-30.138 MAX=22.344
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

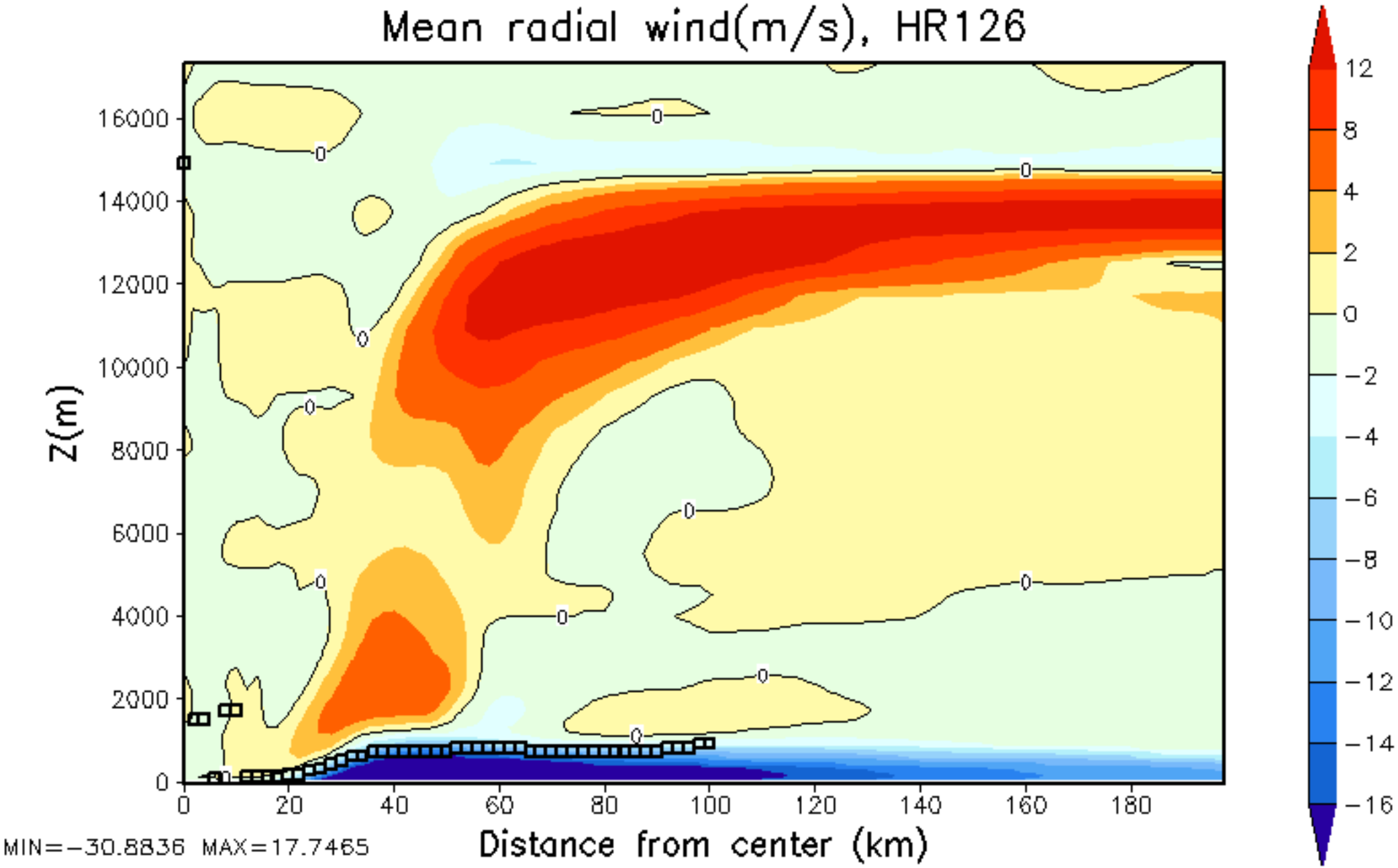

Mean radial wind(m/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-30.1214 MAX=20.8269
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

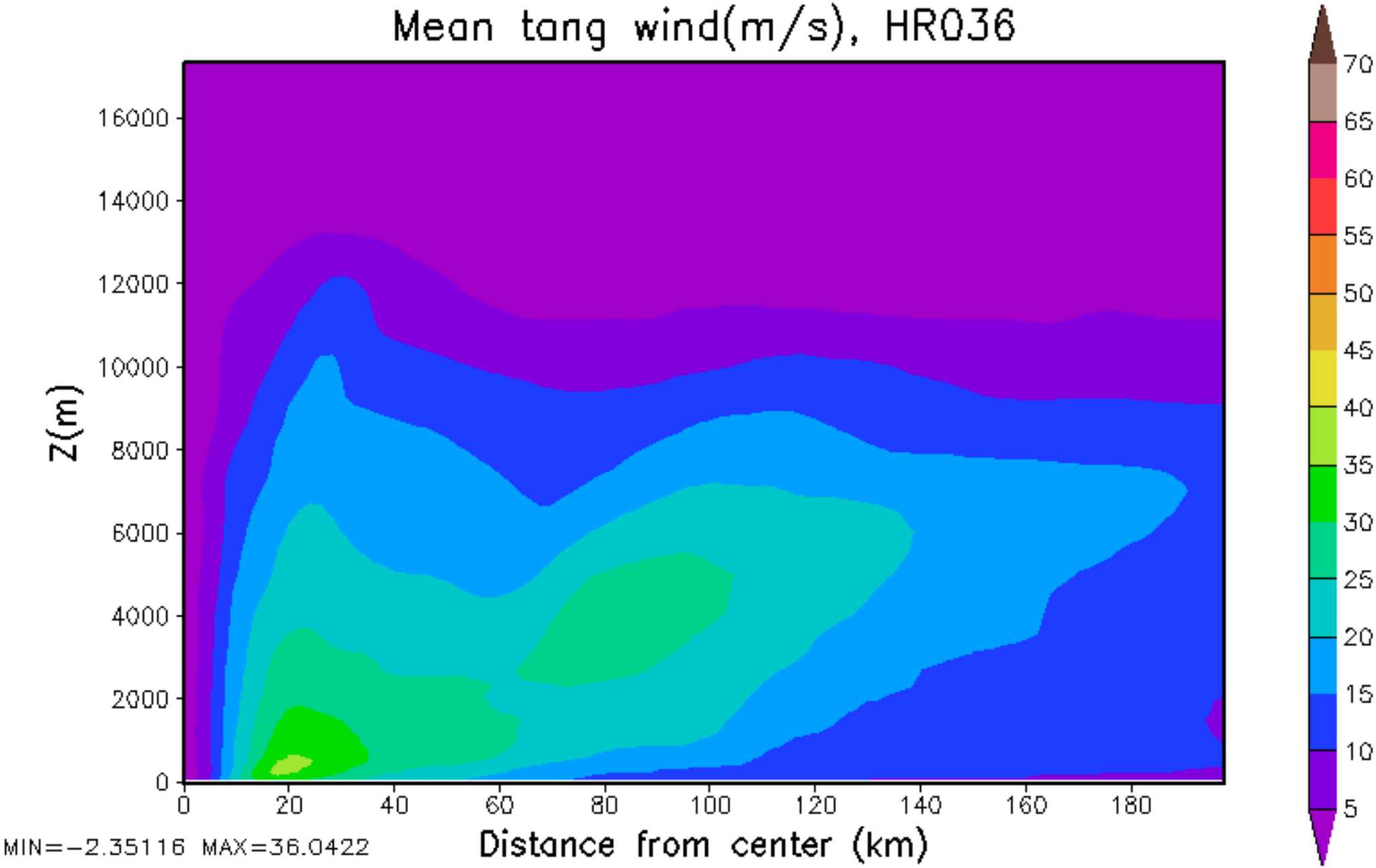

Mean radial wind(m/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-31.4067 MAX=17.9339
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

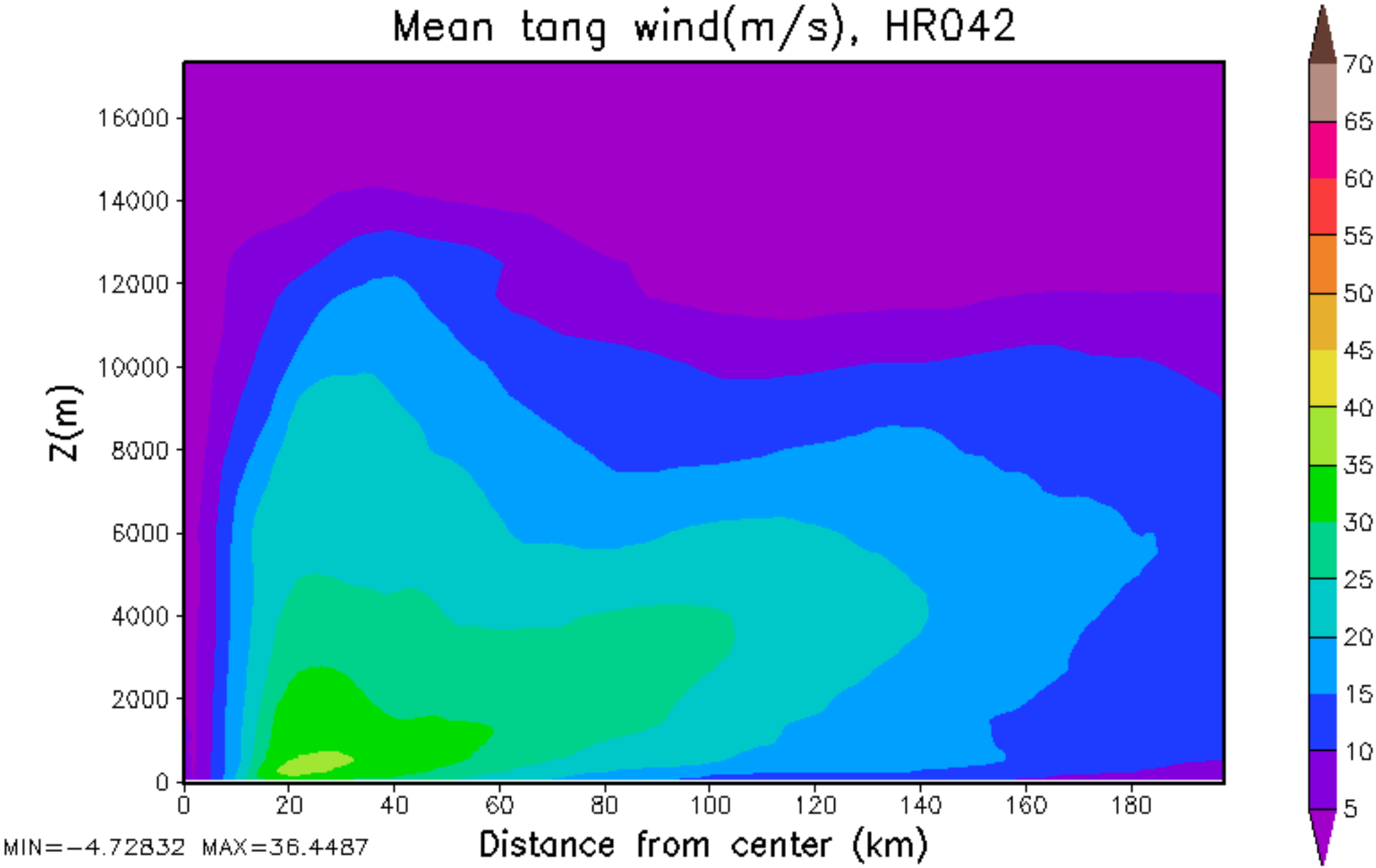

Mean radial wind(m/s), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-30.8098 MAX=19.9812
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

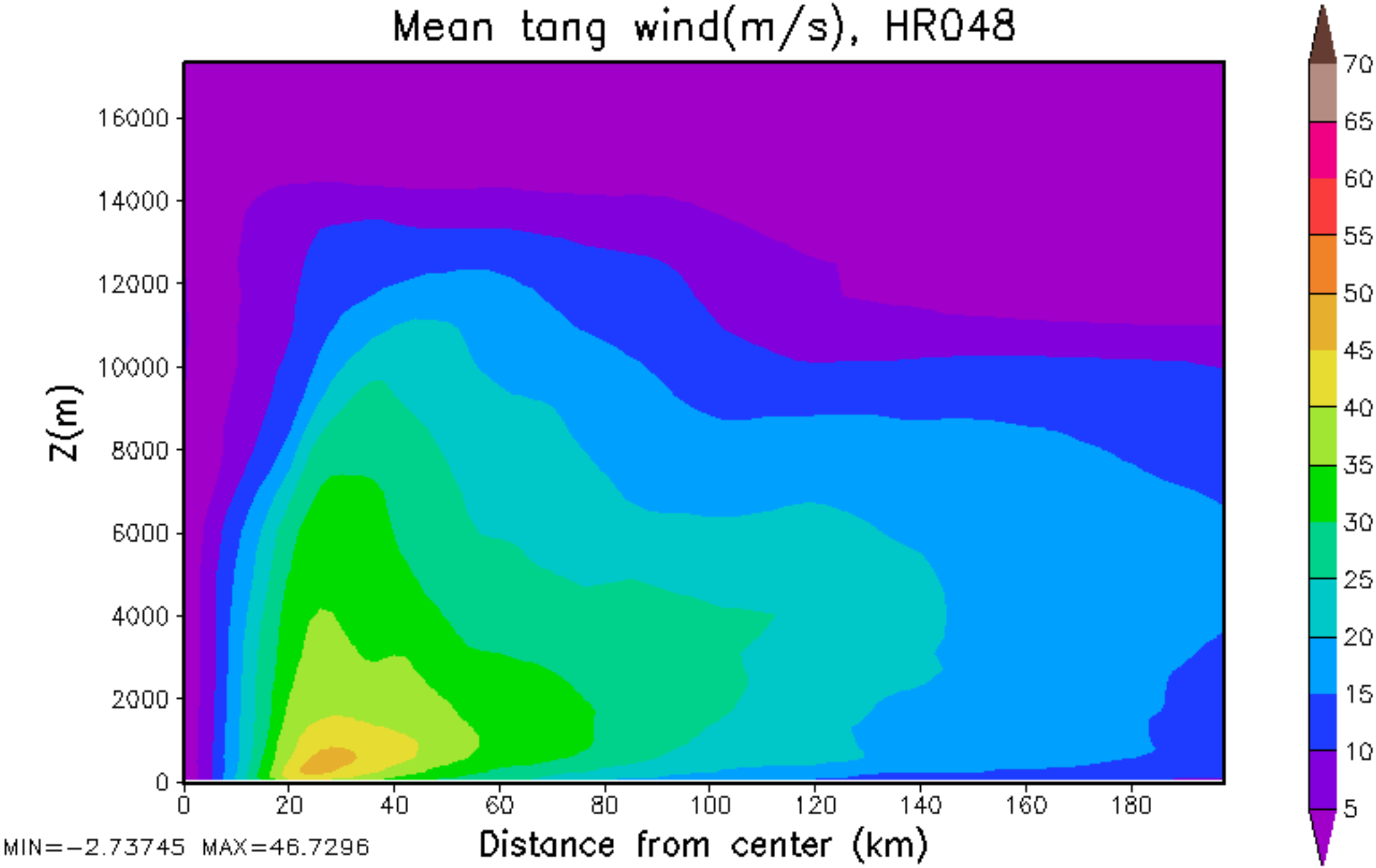

Mean radial wind(m/s), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-31.7856 MAX=22.1225
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

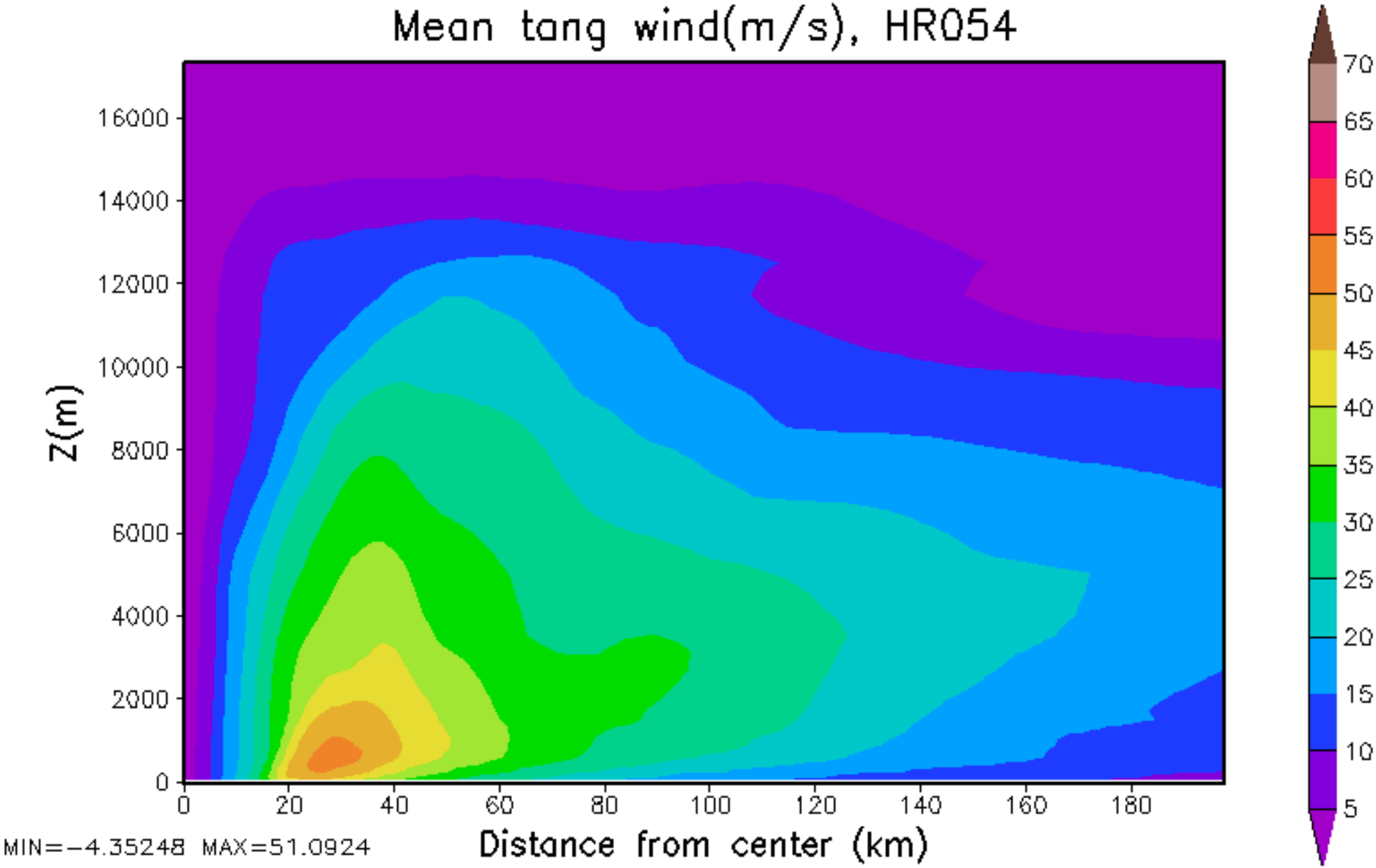

Mean radial wind(m/s), HR120
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-32.6063 MAX=22.7215
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

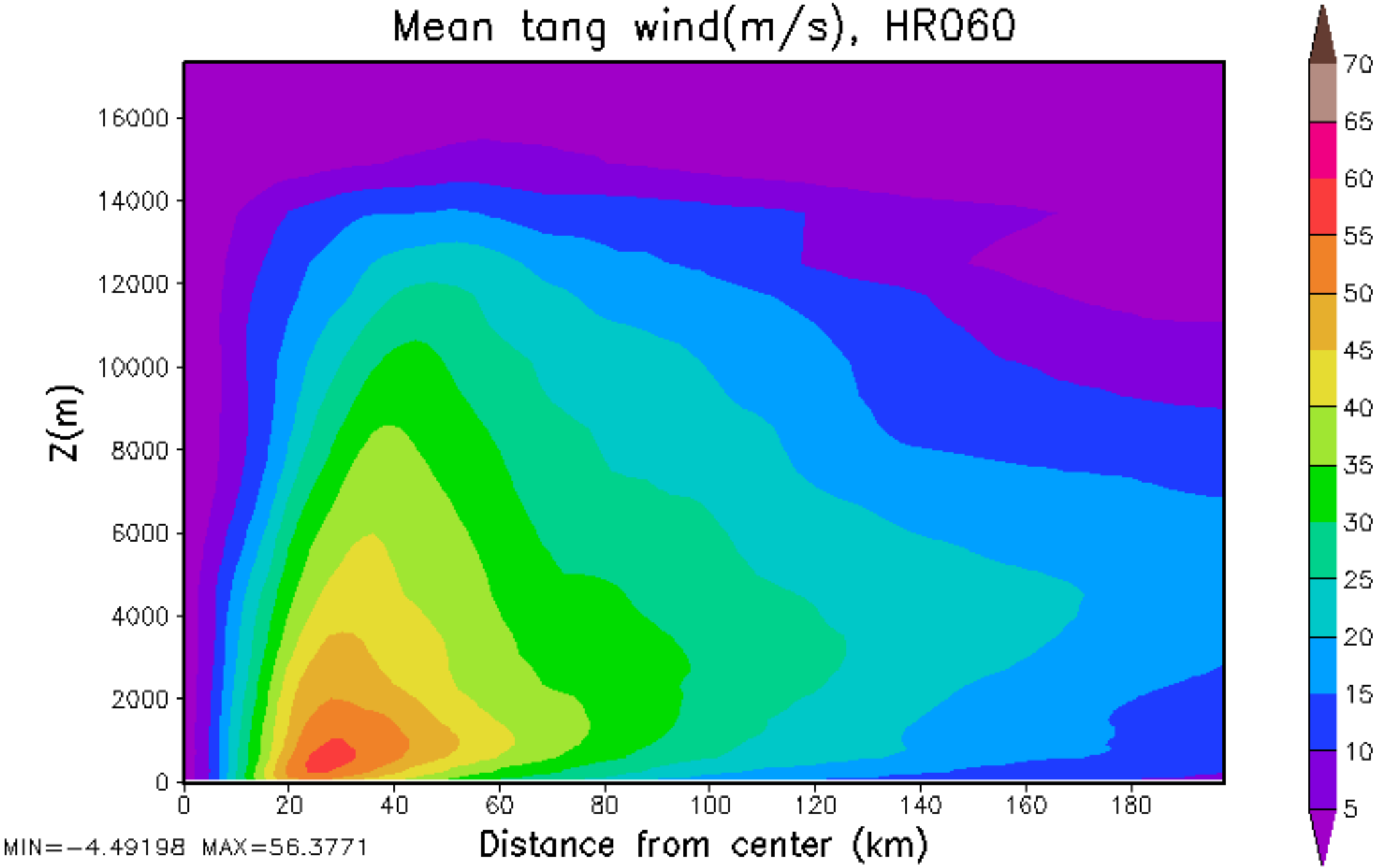

Mean radial wind(m/s), HR126
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-30.8836 MAX=17.7465
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

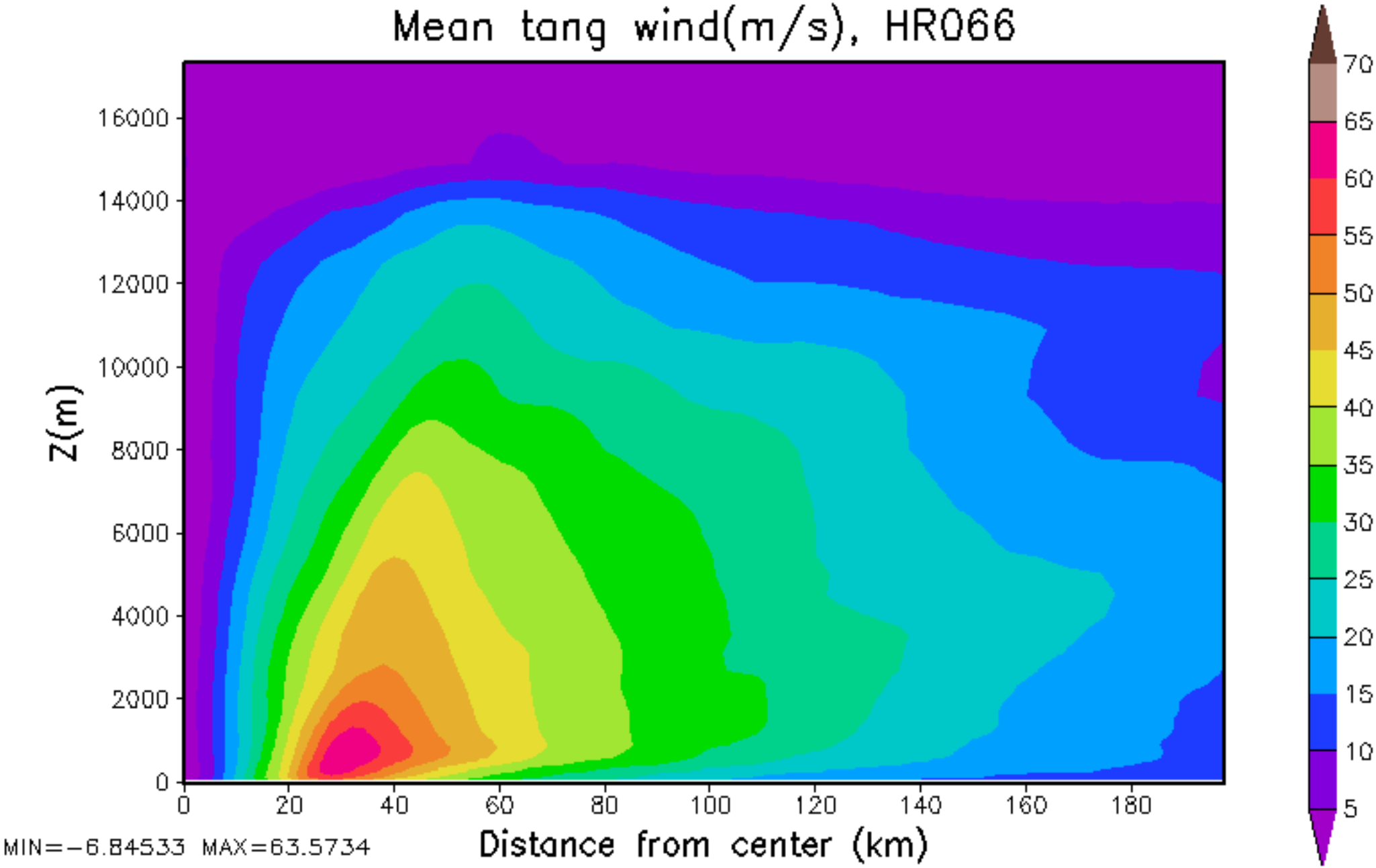

Mean tang wind(m/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.35116 MAX=36.0422
70
65
60
55
50
45
40
35
30
25
20
15
10
5

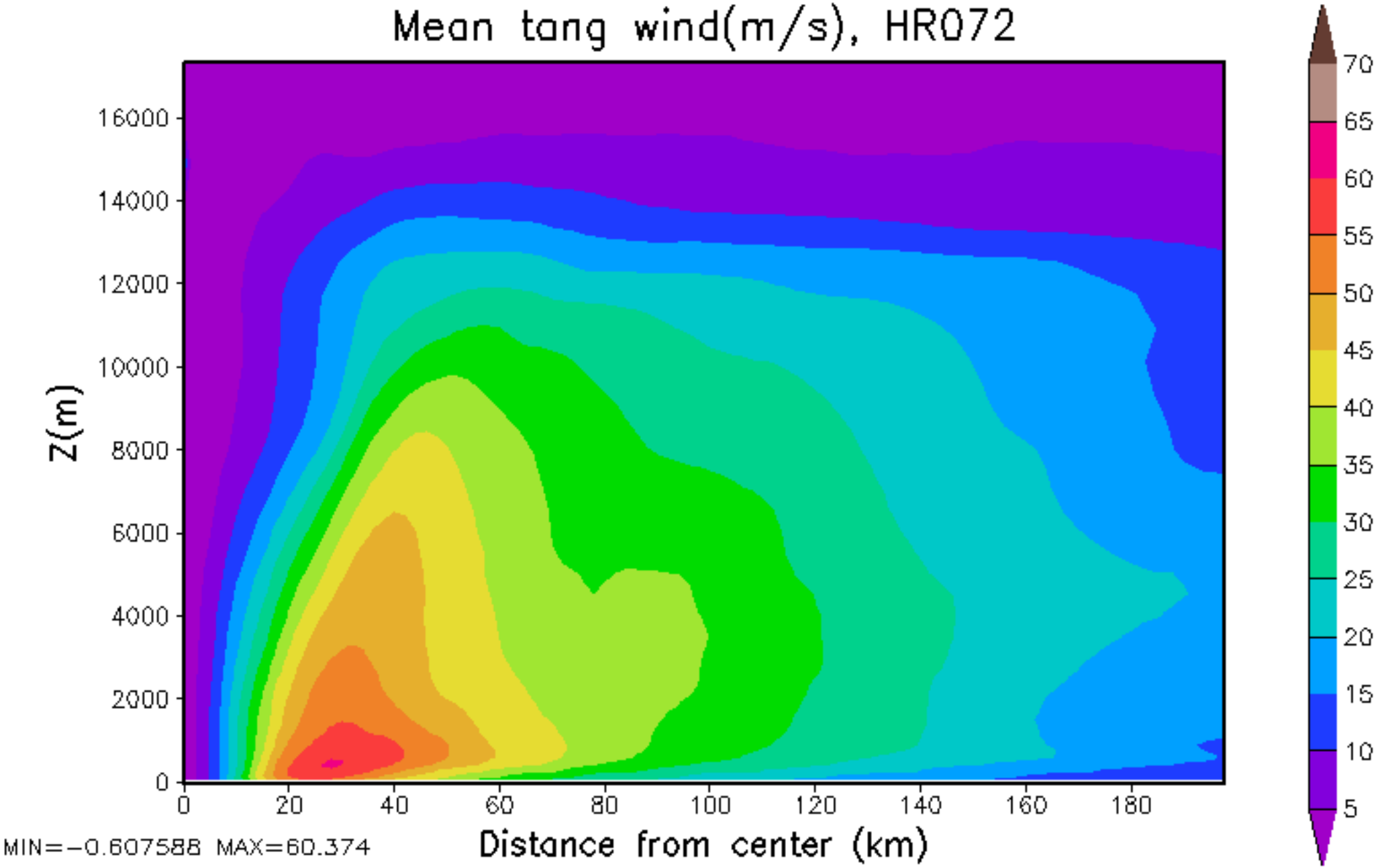

Mean tang wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-4.72832 MAX=36.4487
70
65
60
55
50
45
40
35
30
25
20
15
10
5

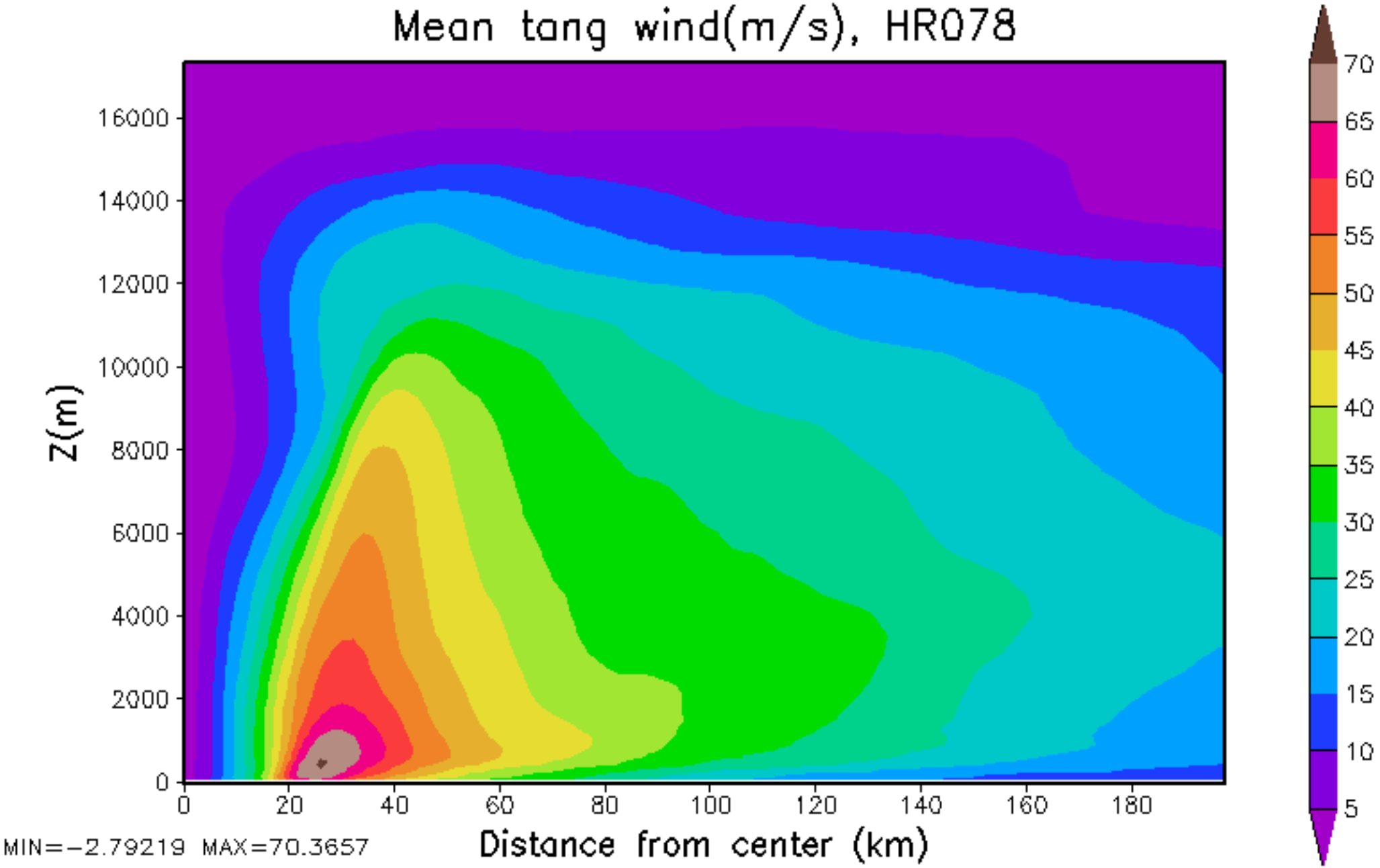

Mean tang wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.73745 MAX=46.7296
70
65
60
55
50
45
40
35
30
25
20
15
10
5

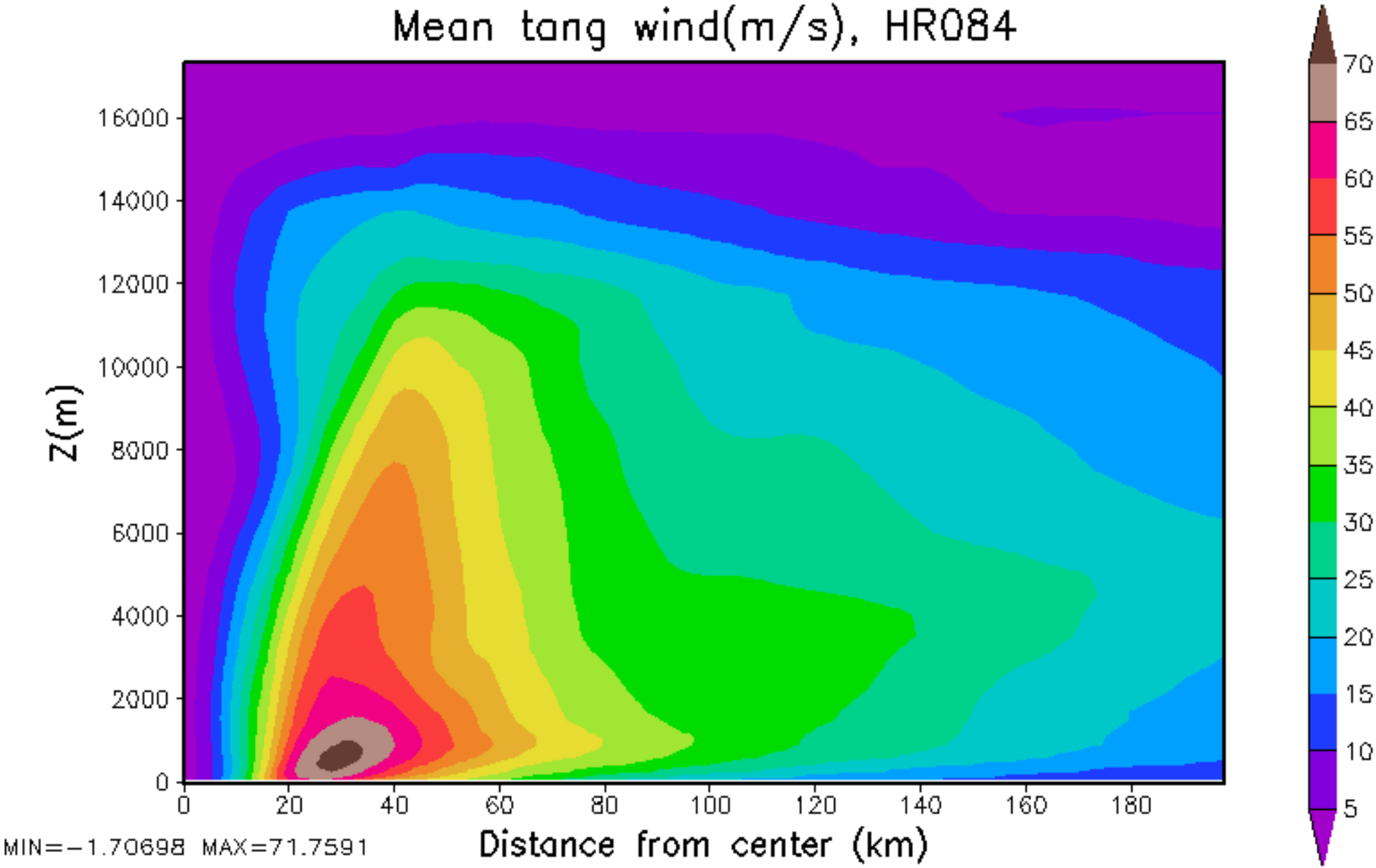

Mean tang wind(m/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-4.35248 MAX=51.0924
70
65
60
55
50
45
40
35
30
25
20
15
10
5

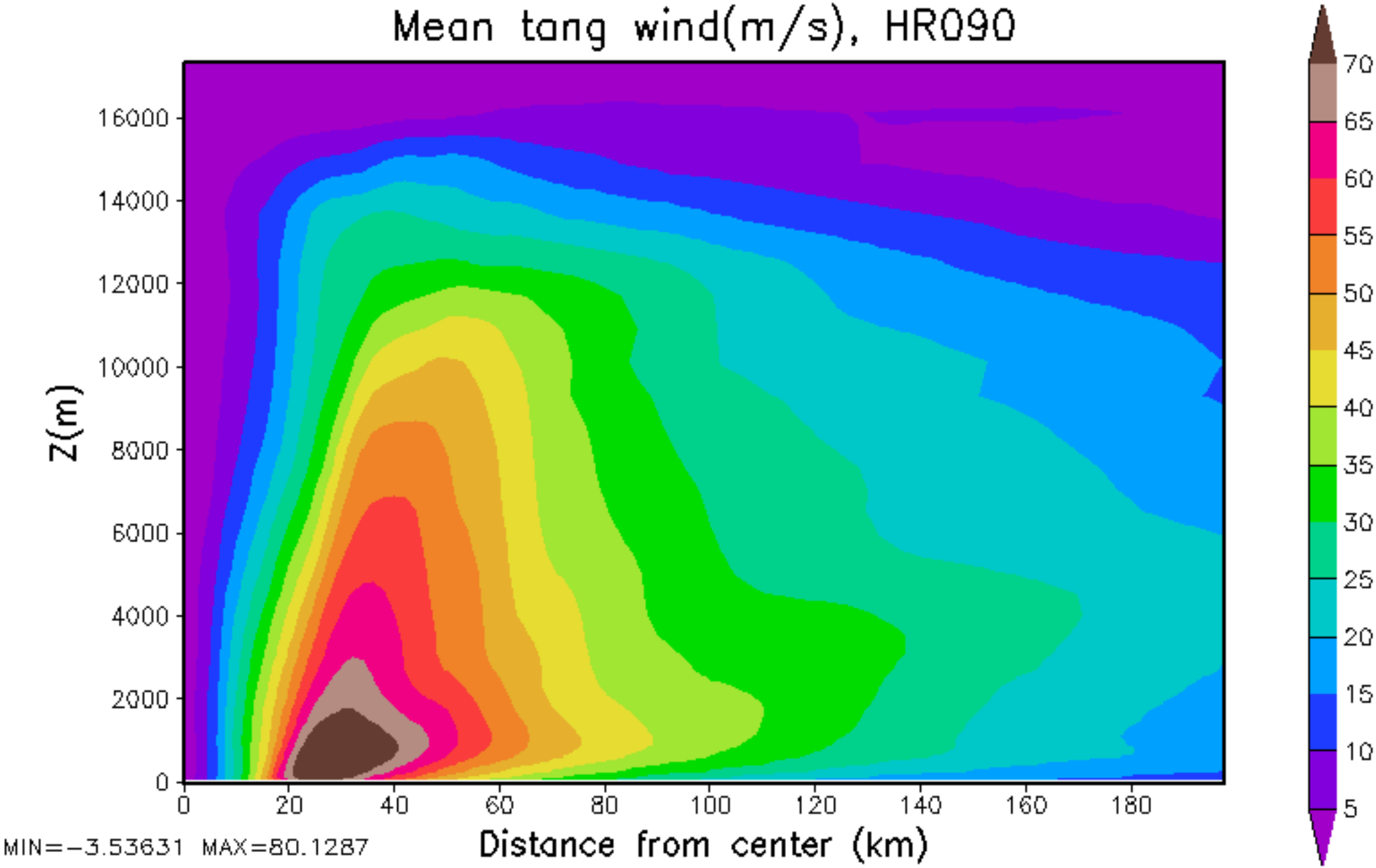

Mean tang wind(m/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-4.49198 MAX=56.3771
70
65
60
55
50
45
40
35
30
25
20
15
10
5

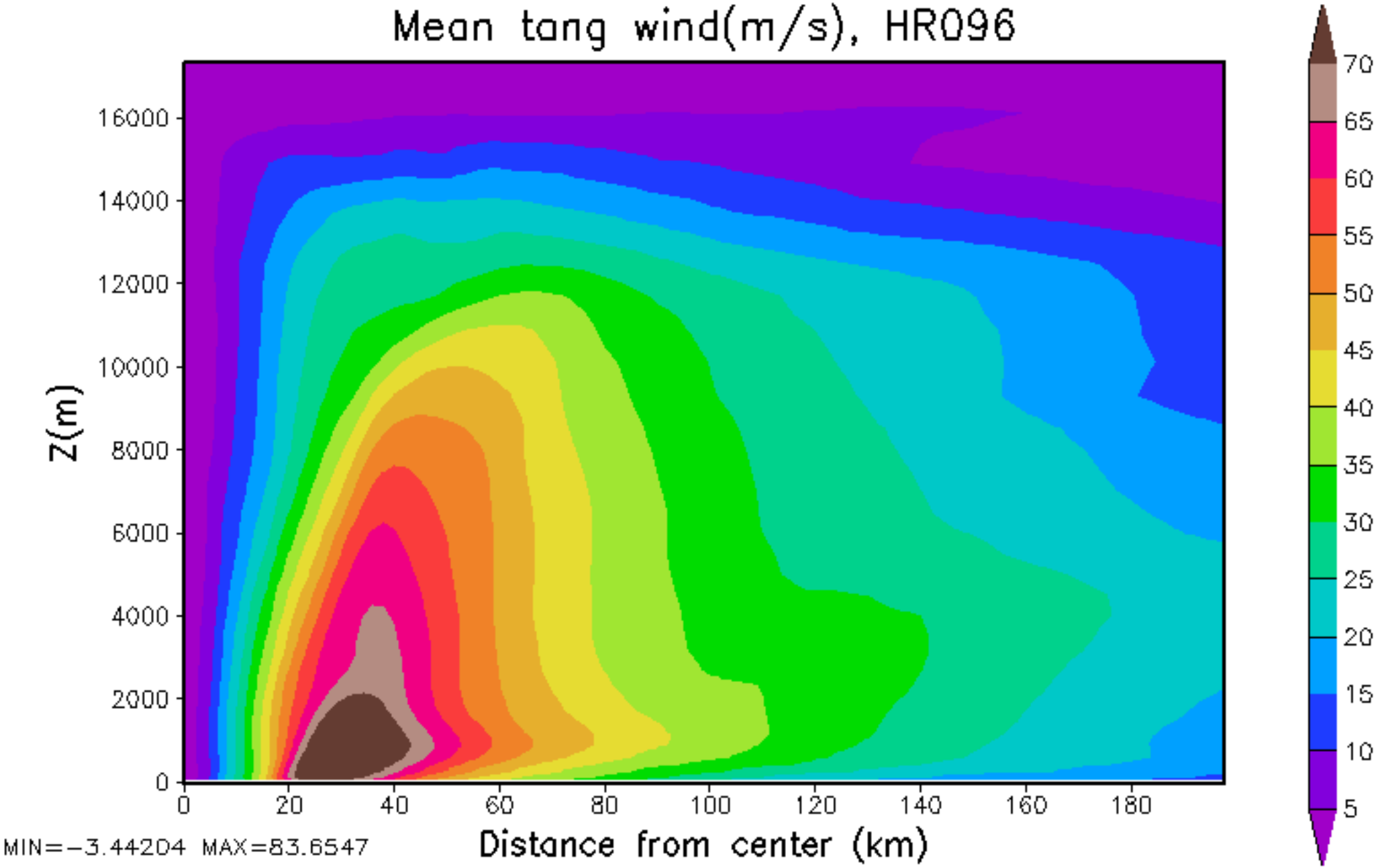

Mean tang wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-6.84533 MAX=63.5734
70
65
60
55
50
45
40
35
30
25
20
15
10
5

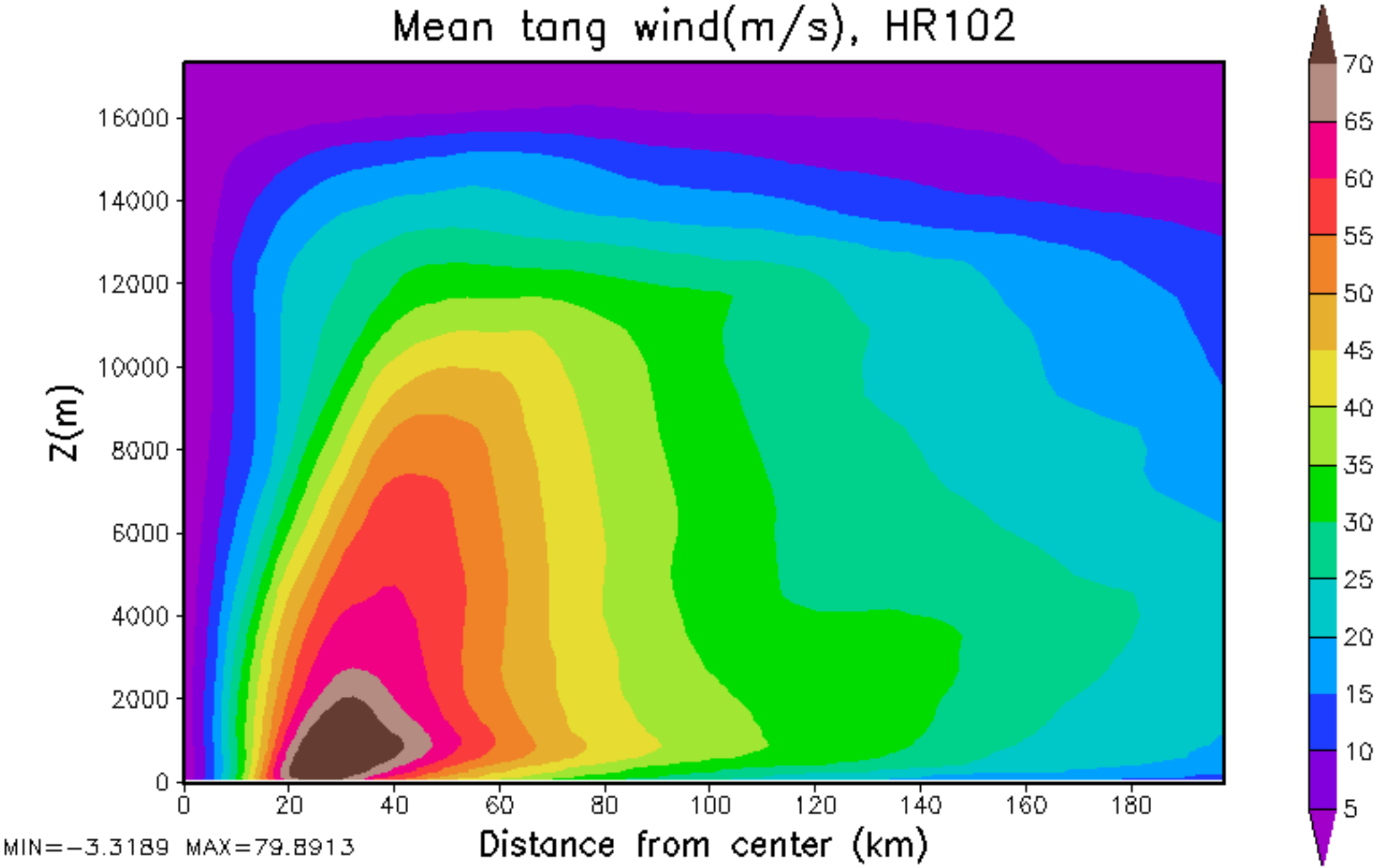

Mean tang wind(m/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-0.607588 MAX=60.374
70
65
60
55
50
45
40
35
30
25
20
15
10
5

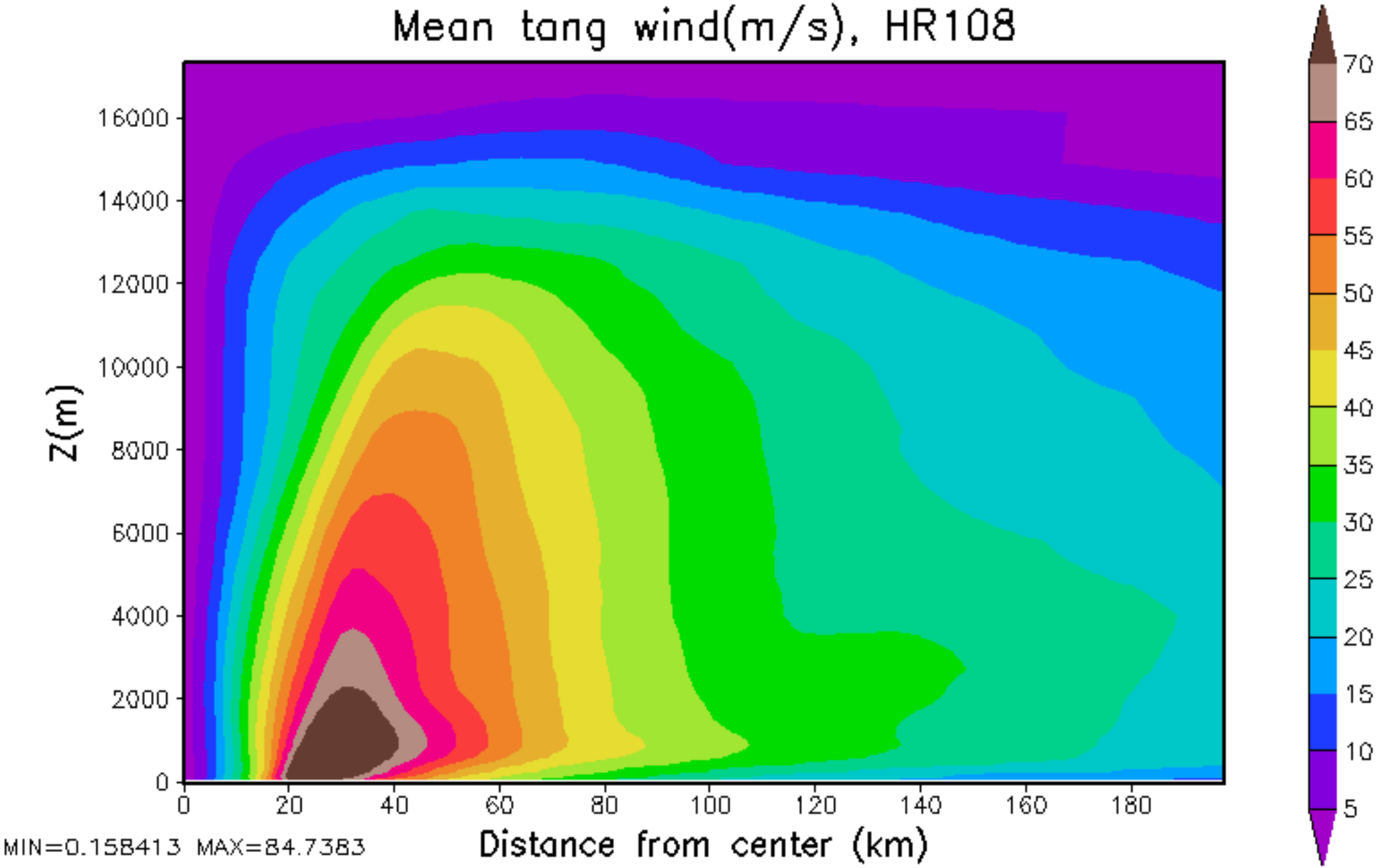

Mean tang wind(m/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.79219 MAX=70.3657
70
65
60
55
50
45
40
35
30
25
20
15
10
5

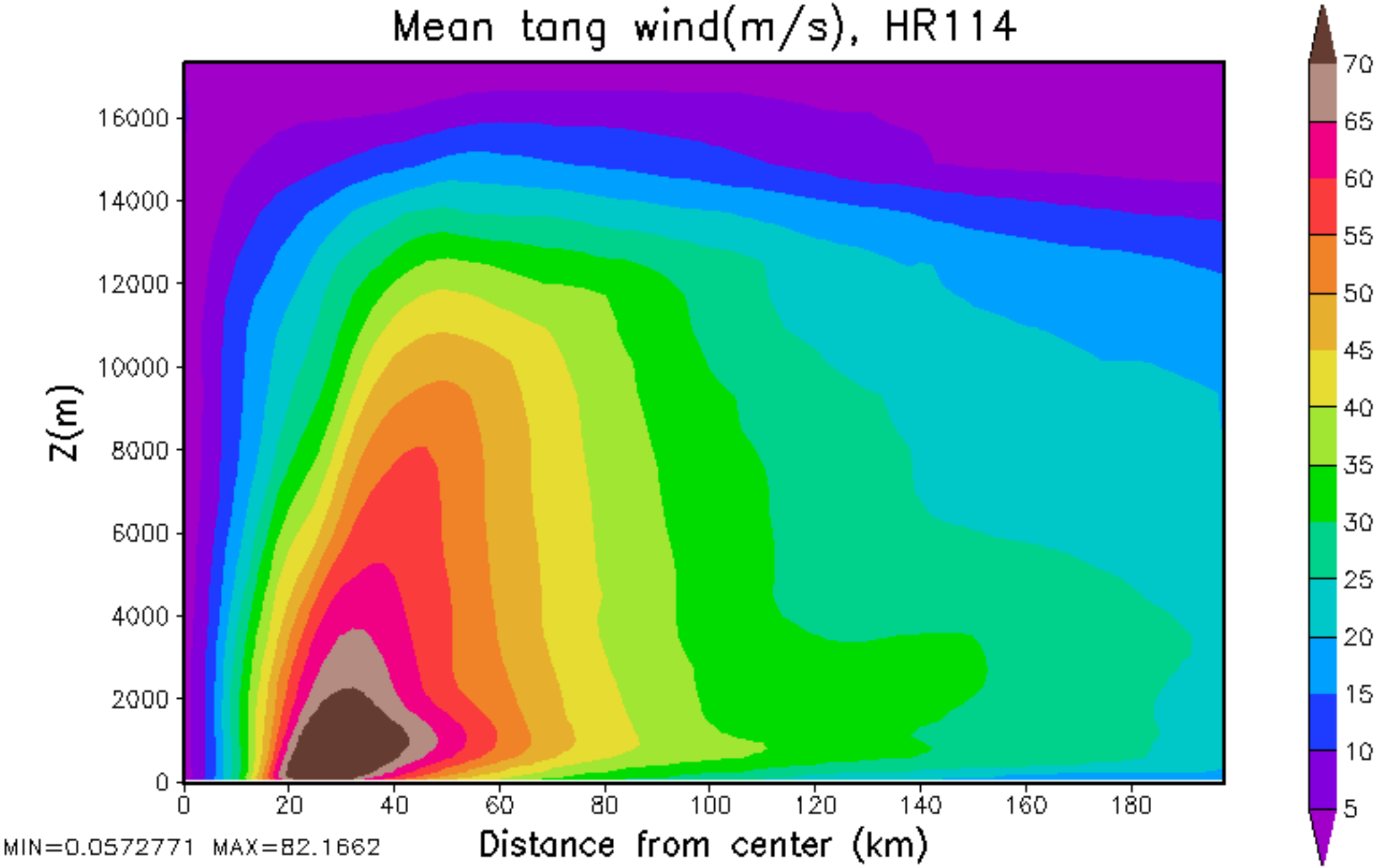

Mean tang wind(m/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.70698 MAX=71.7591
70
65
60
55
50
45
40
35
30
25
20
15
10
5

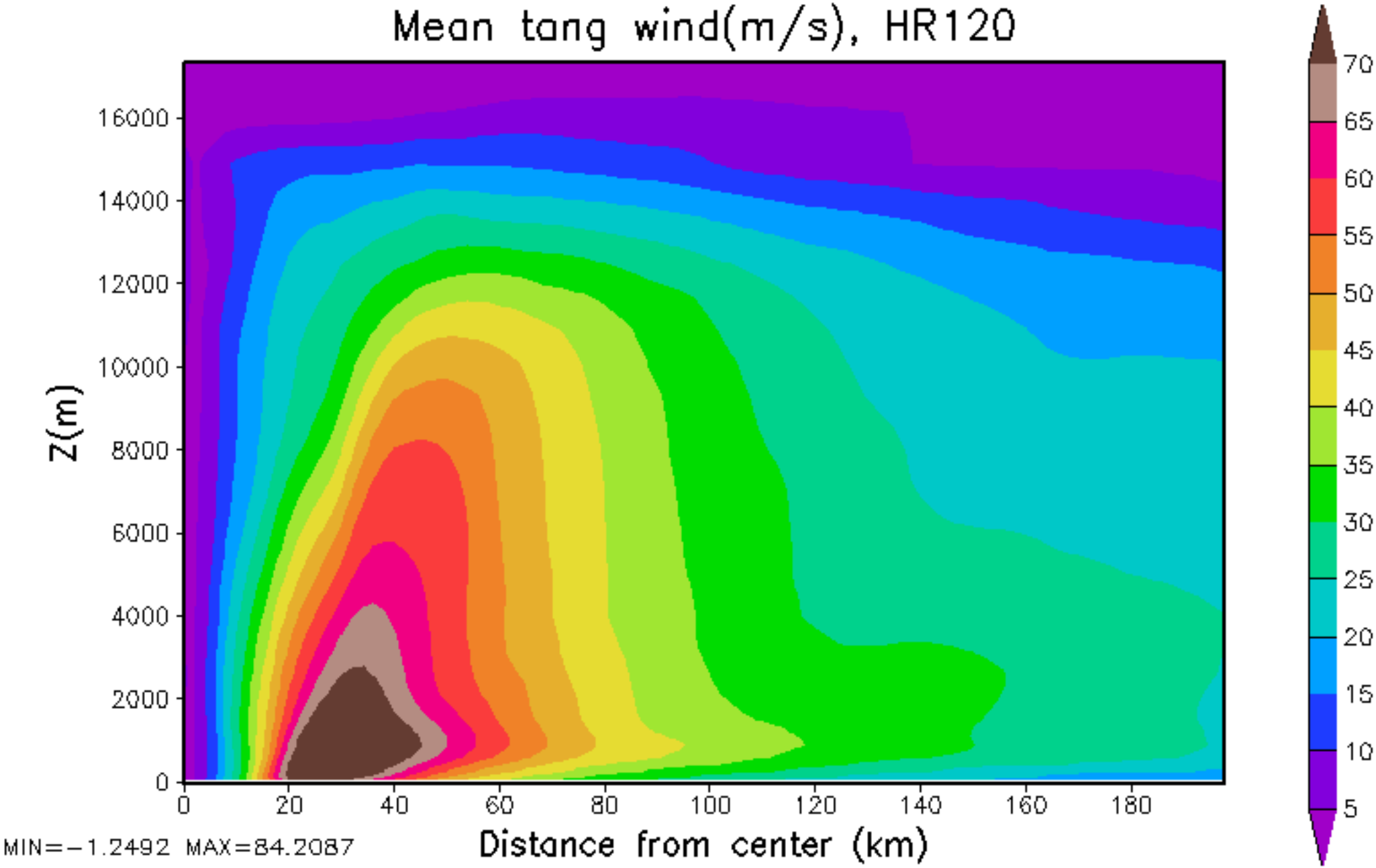

Mean tang wind(m/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-3.53631 MAX=80.1287
70
65
60
55
50
45
40
35
30
25
20
15
10
5

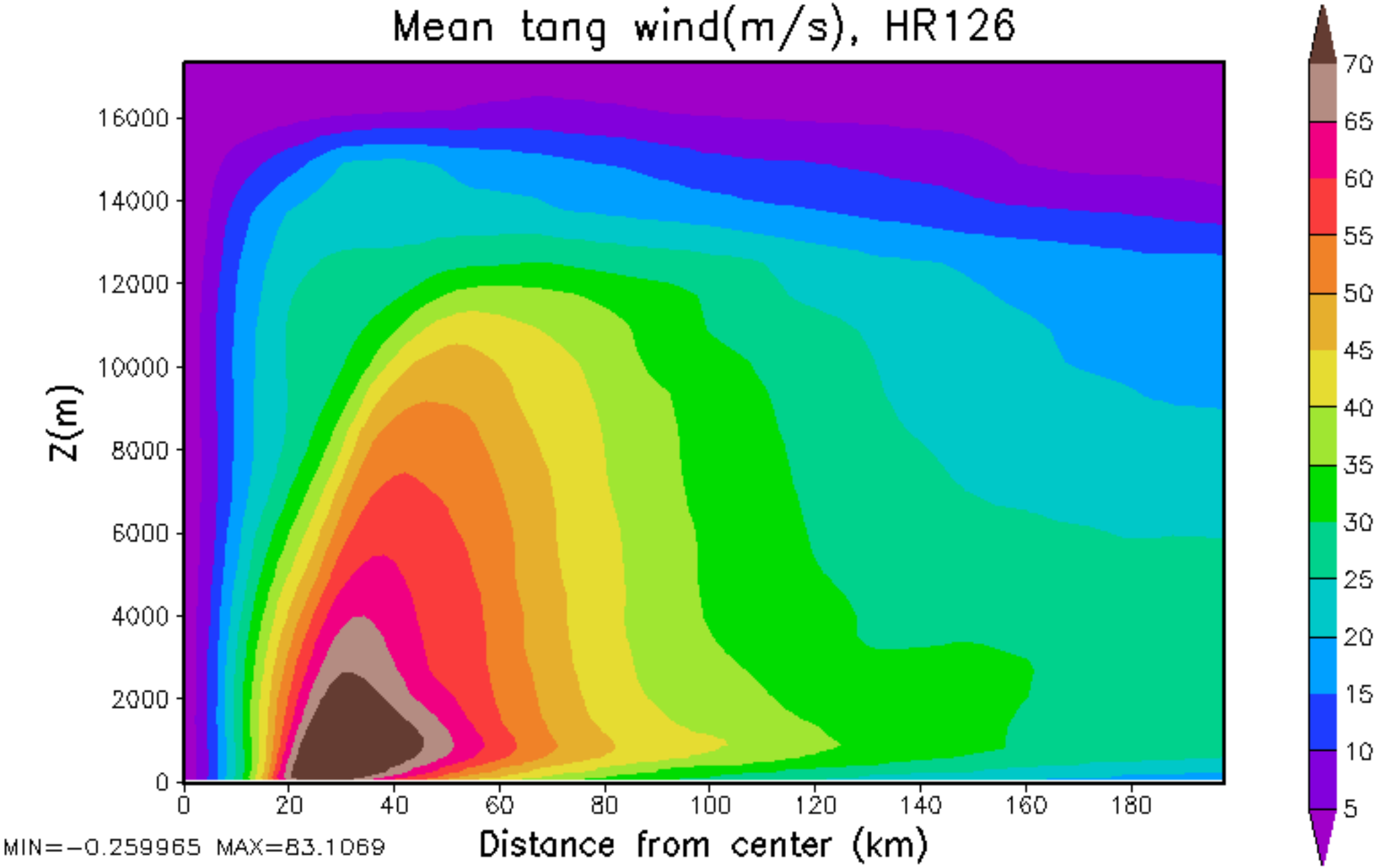

Mean tang wind(m/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-3.44204 MAX=83.6547
70
65
60
55
50
45
40
35
30
25
20
15
10
5

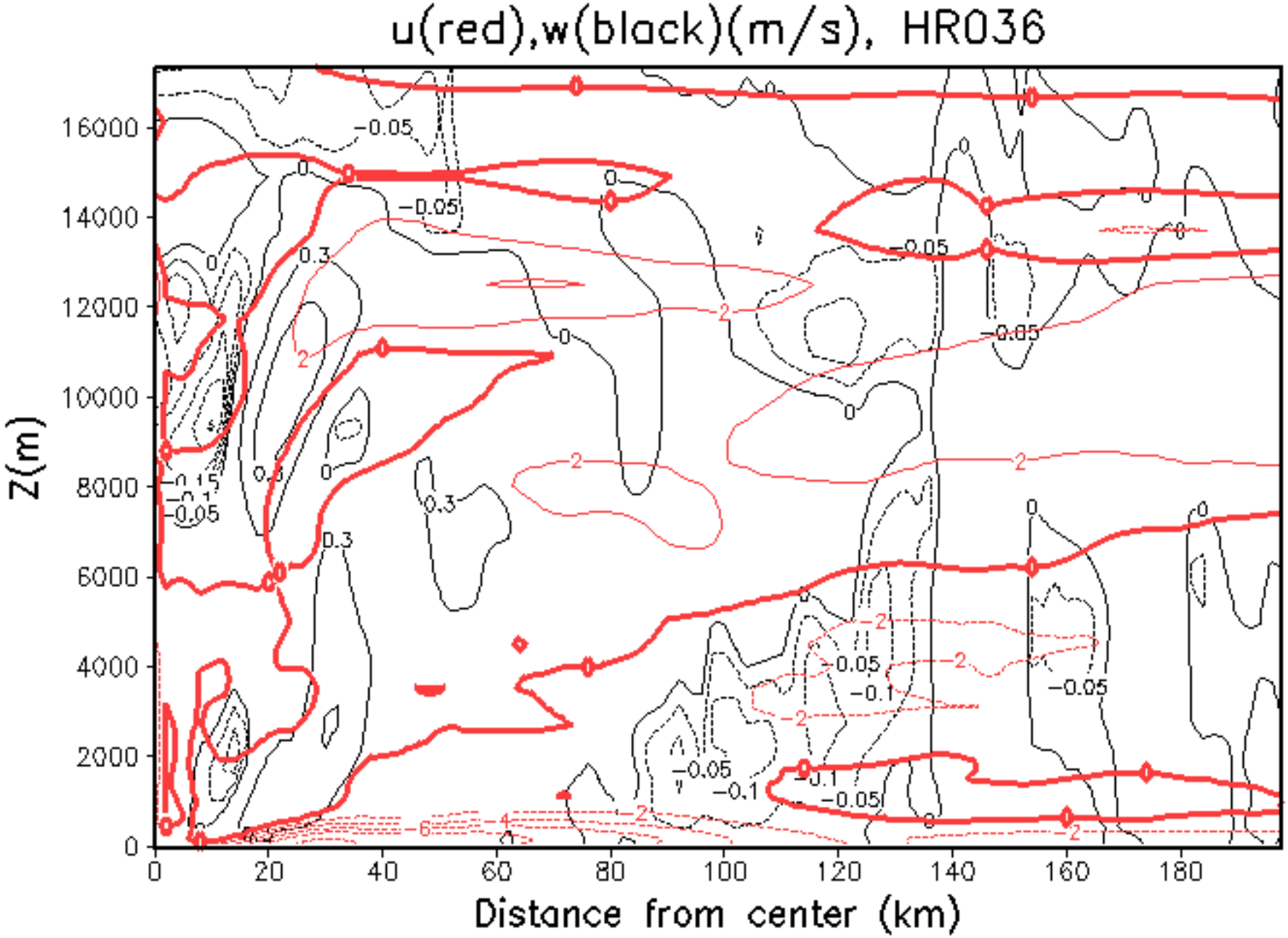

Mean tang wind(m/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-3.3189 MAX=79.8913
70
65
60
55
50
45
40
35
30
25
20
15
10
5

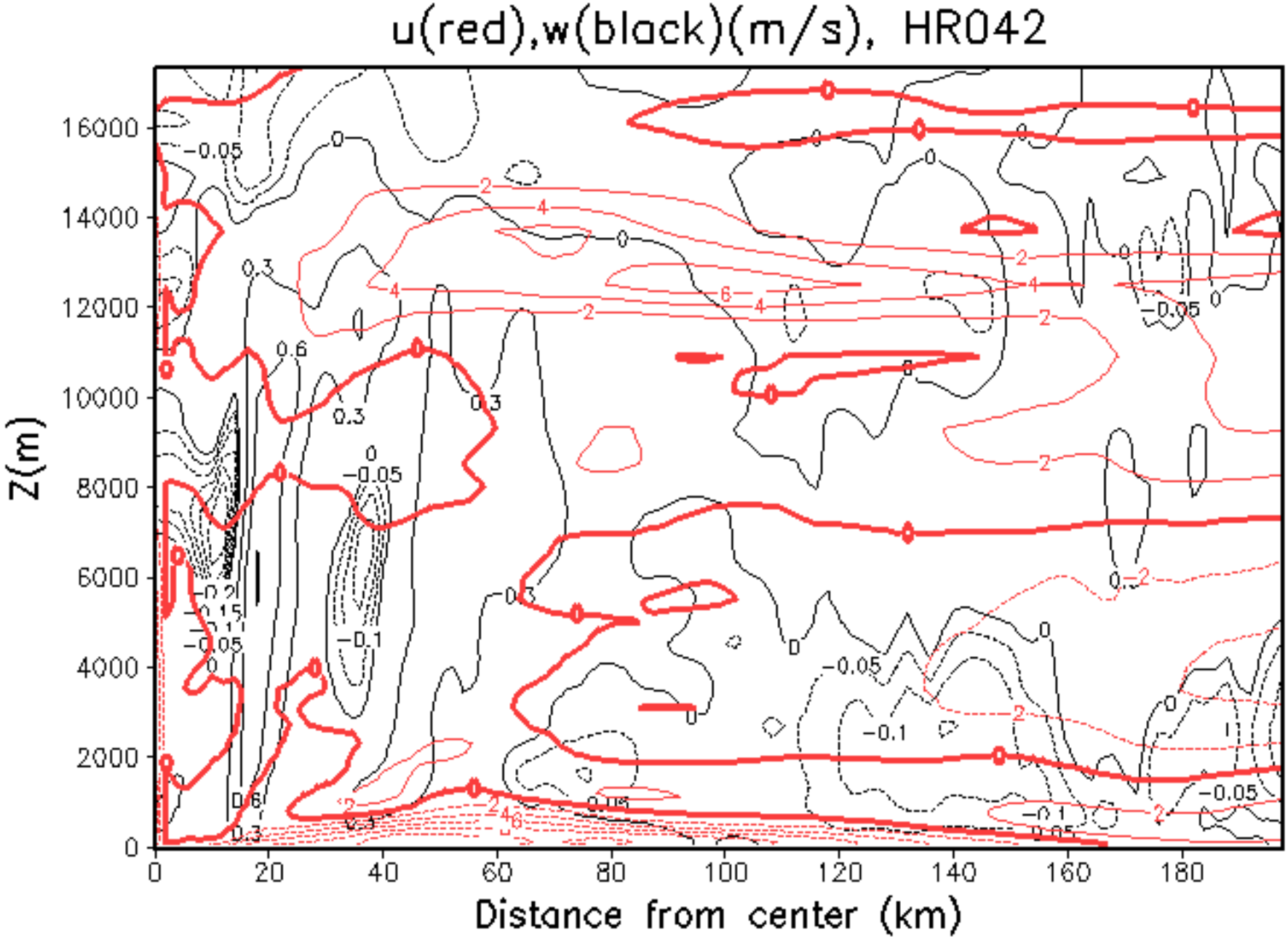

Mean tang wind(m/s), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.158413 MAX=84.7383
70
65
60
55
50
45
40
35
30
25
20
15
10
5

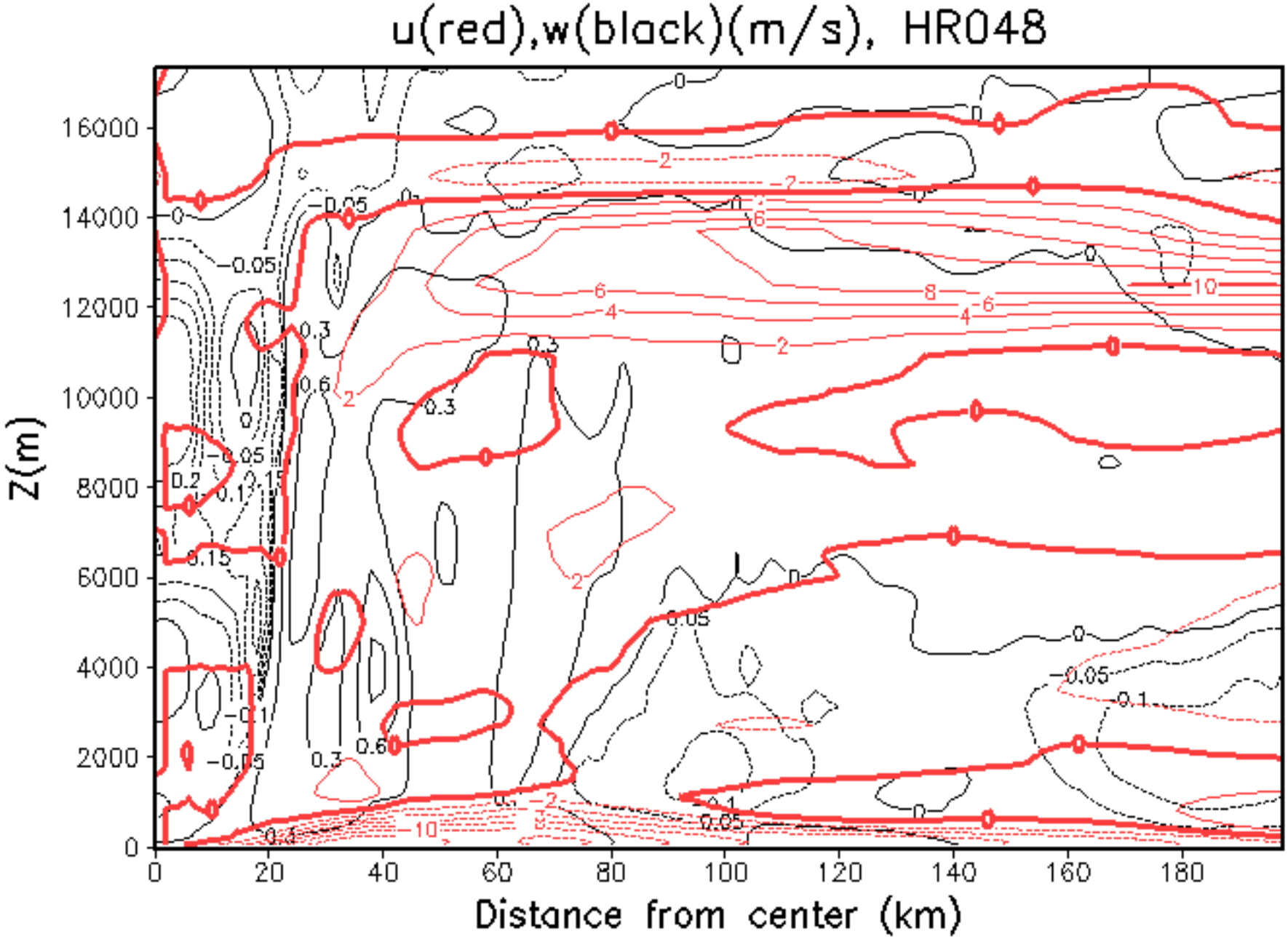

Mean tang wind(m/s), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.0572771 MAX=82.1662
70
65
60
55
50
45
40
35
30
25
20
15
10
5

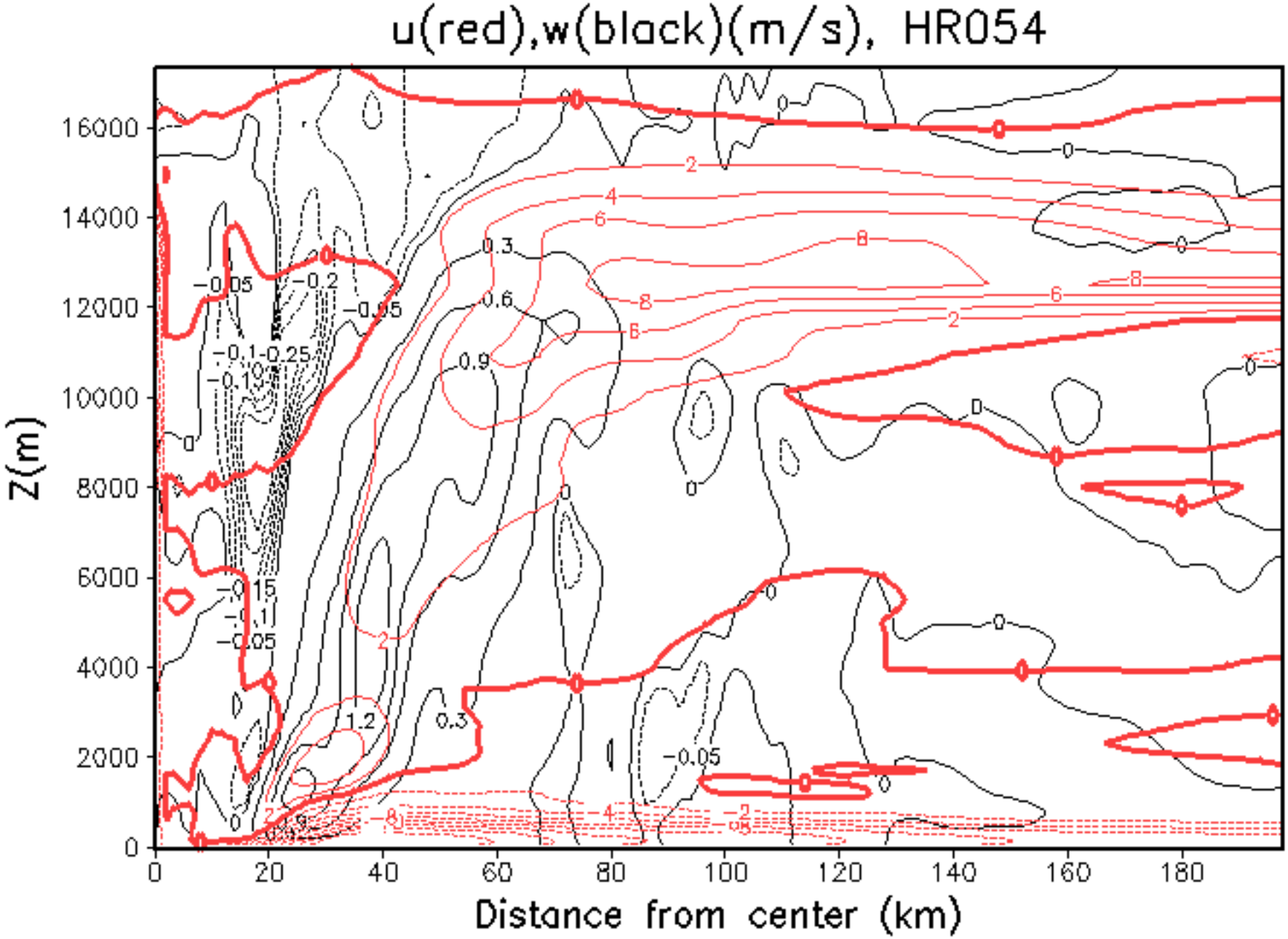

Mean tang wind(m/s), HR120
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.2492 MAX=84.2087
70
65
60
55
50
45
40
35
30
25
20
15
10
5

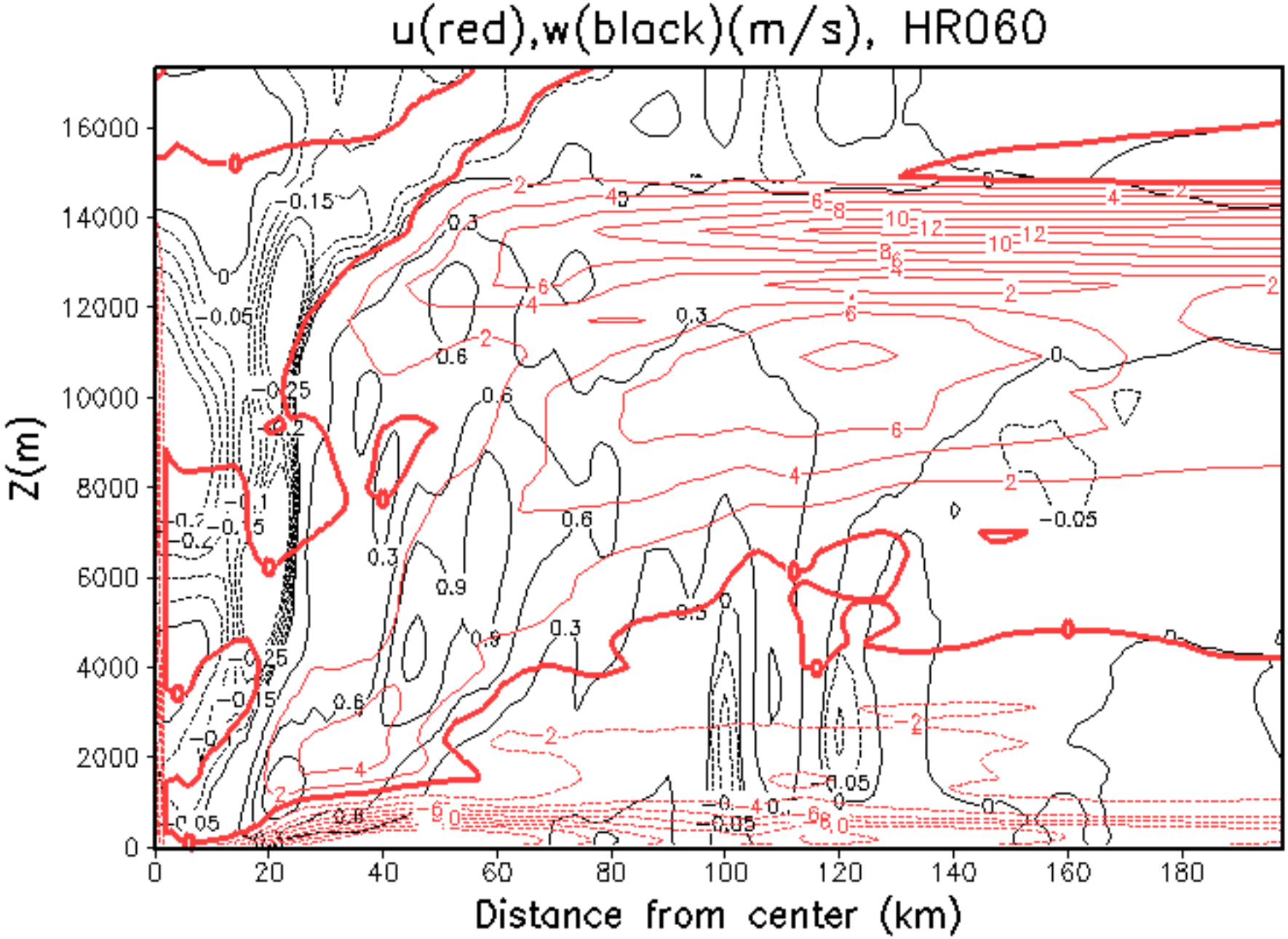

Mean tang wind(m/s), HR126
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-0.259965 MAX=83.1069
70
65
60
55
50
45
40
35
30
25
20
15
10
5

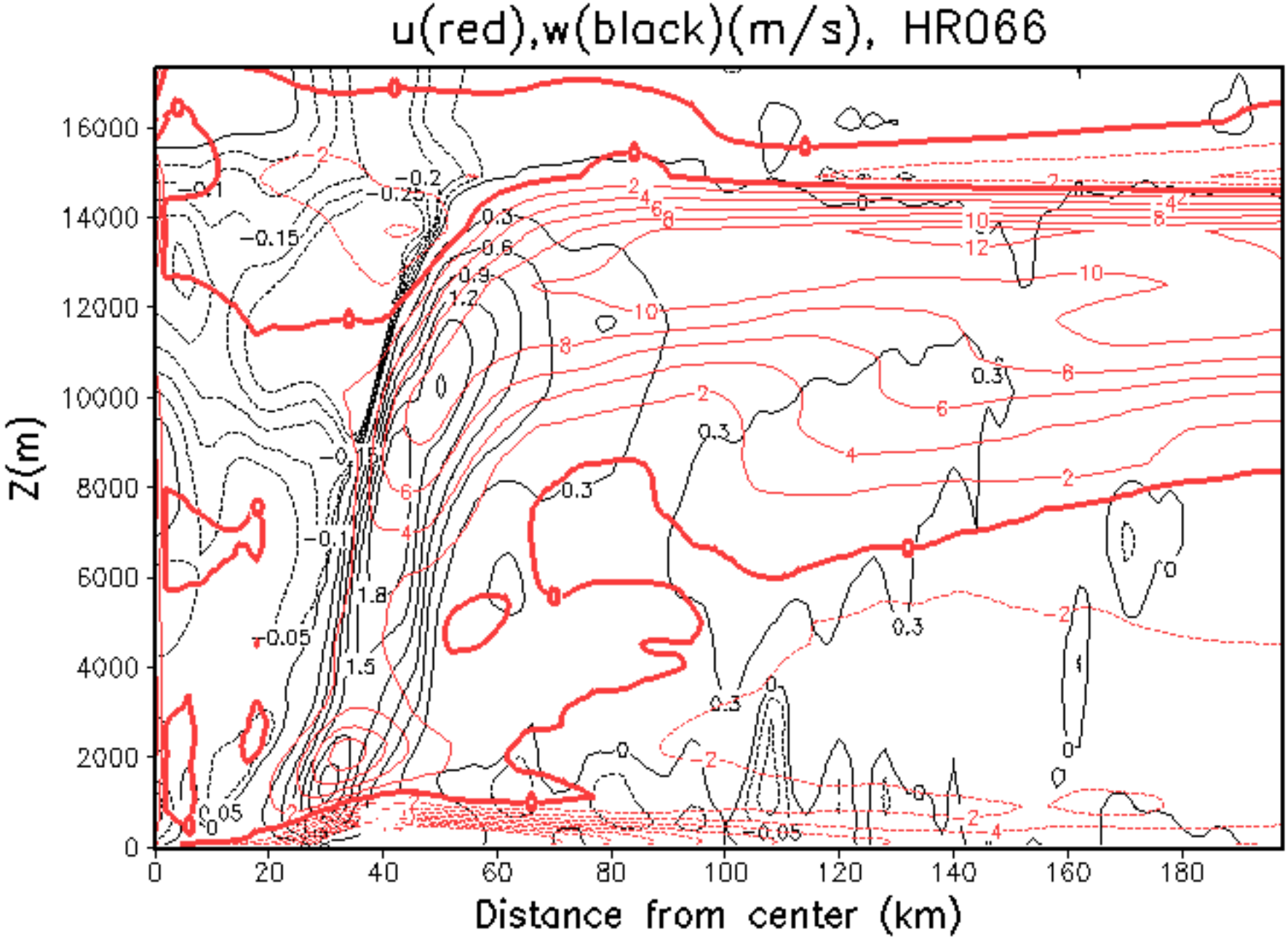

u(red),w(black)(m/s), HR036
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

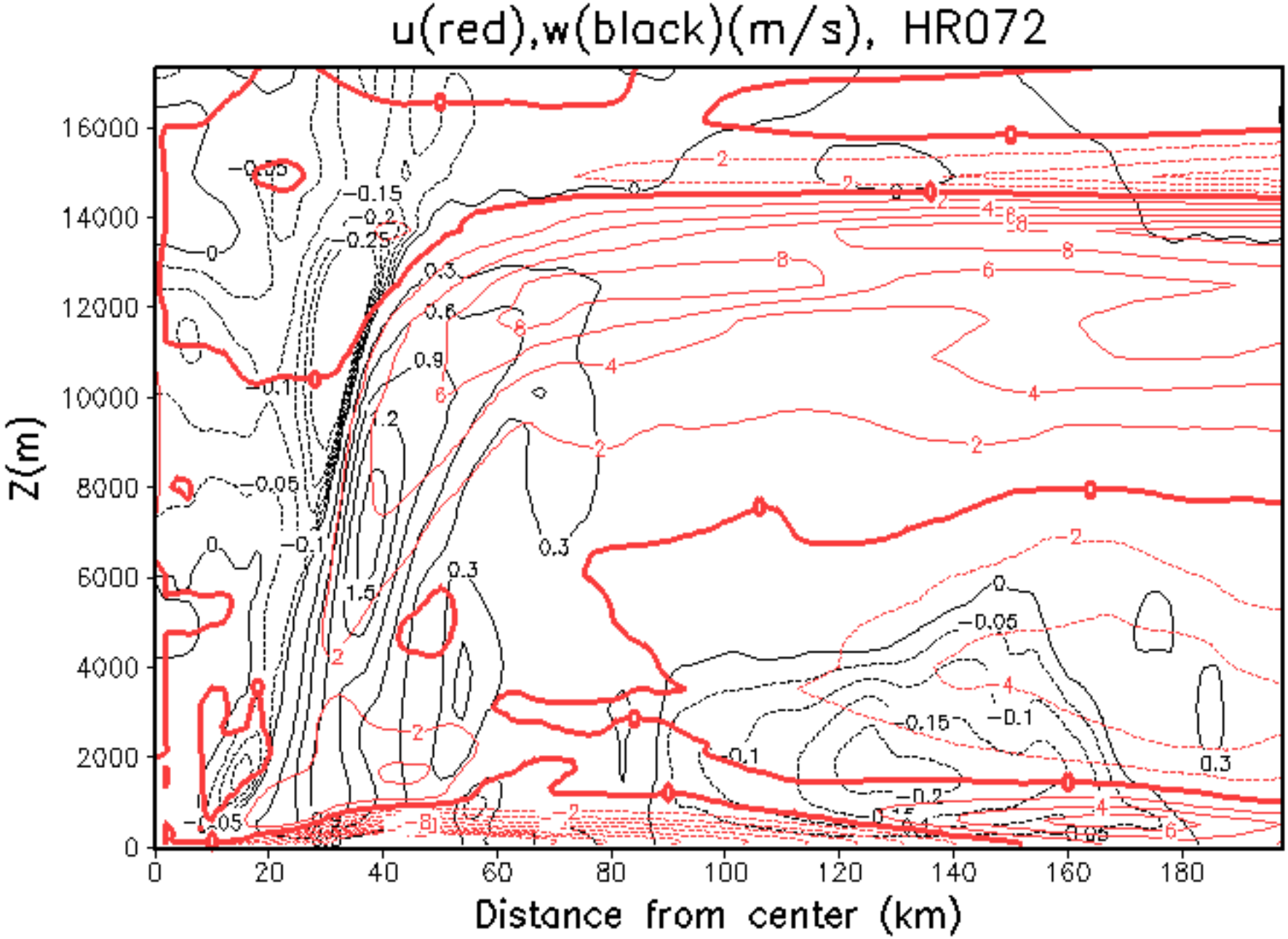

u(red),w(black)(m/s), HR042
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

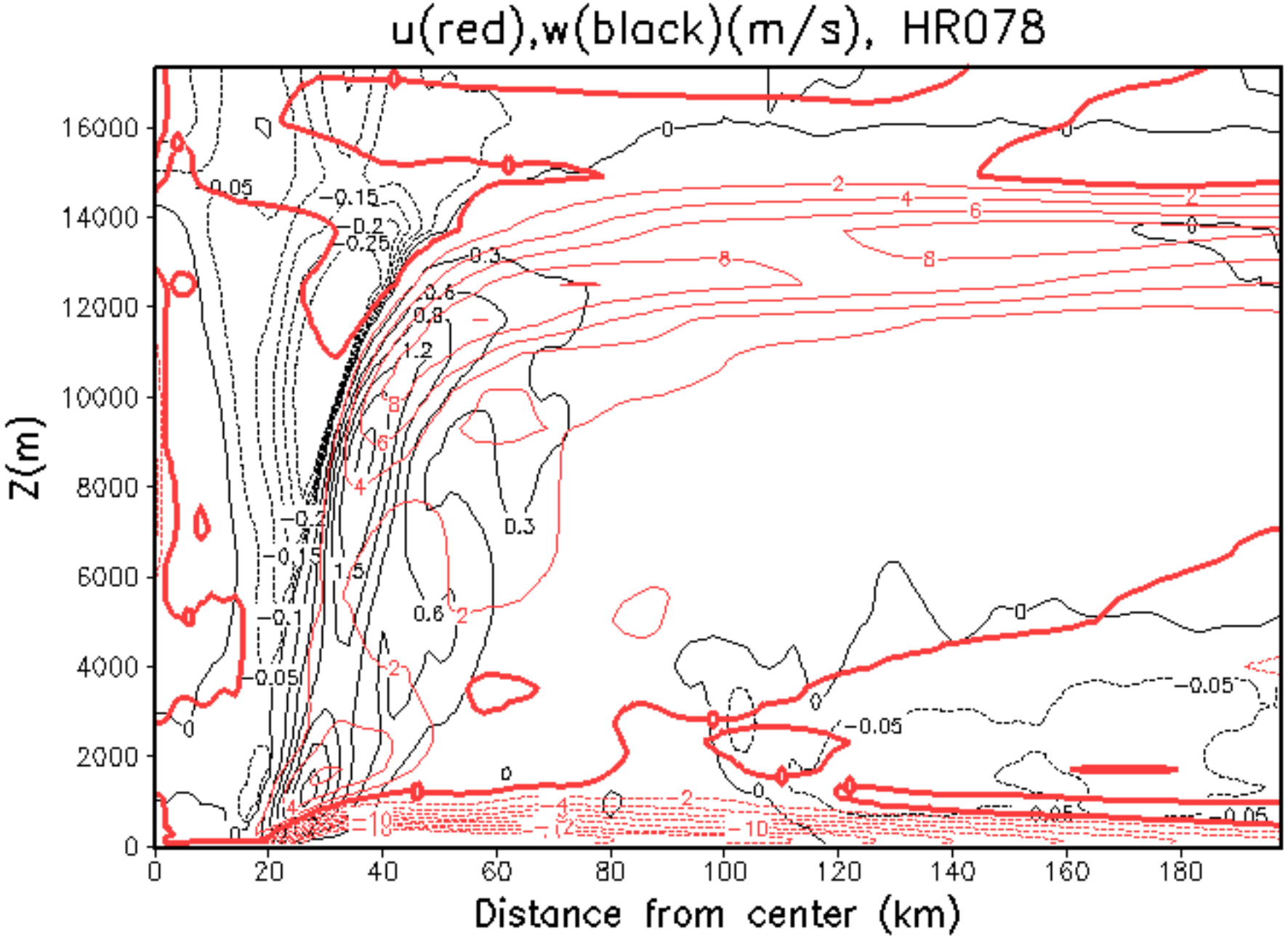

u(red),w(black)(m/s), HR048
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

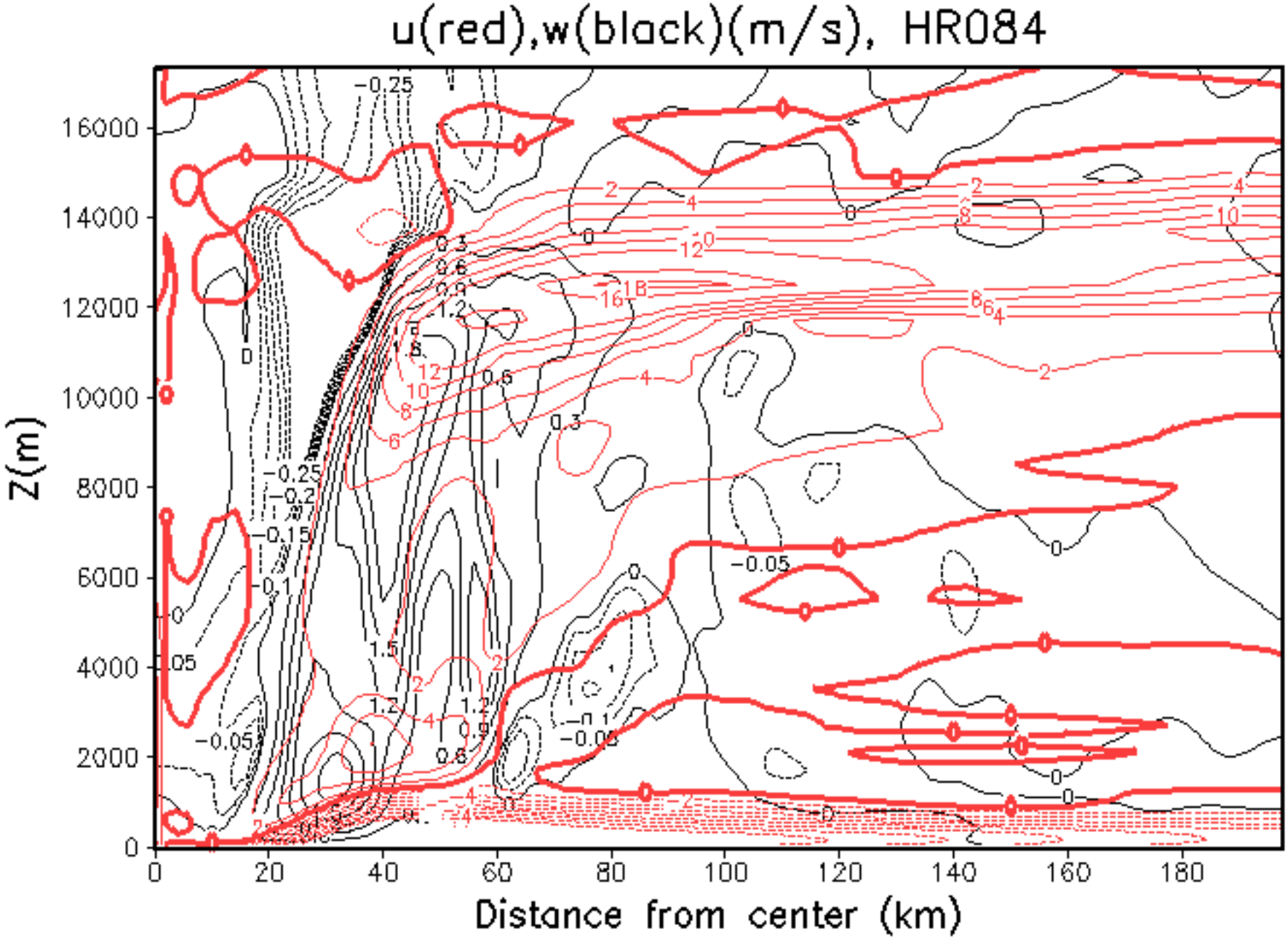

u(red),w(black)(m/s), HR054
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

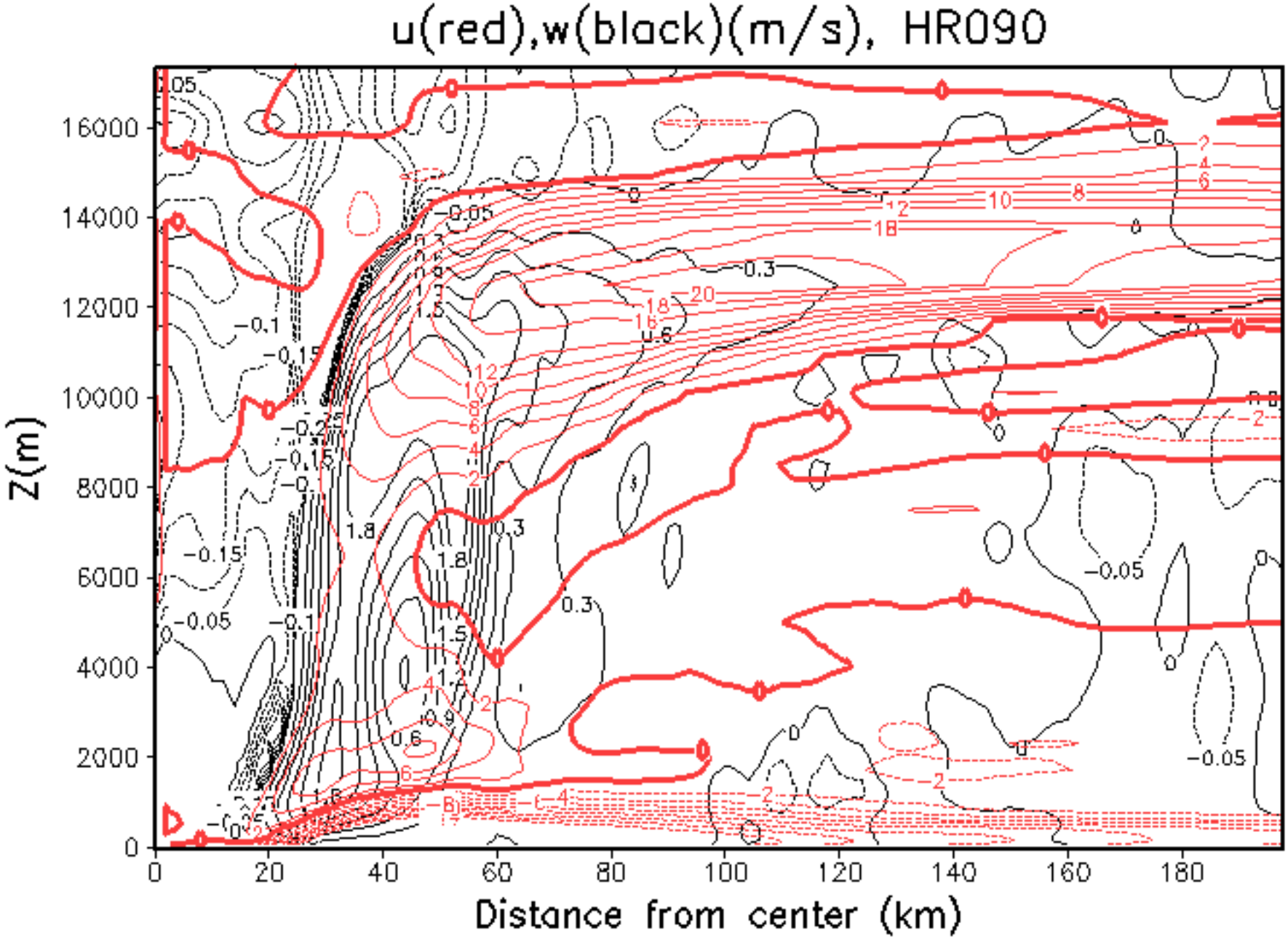

u(red),w(black)(m/s), HR060
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

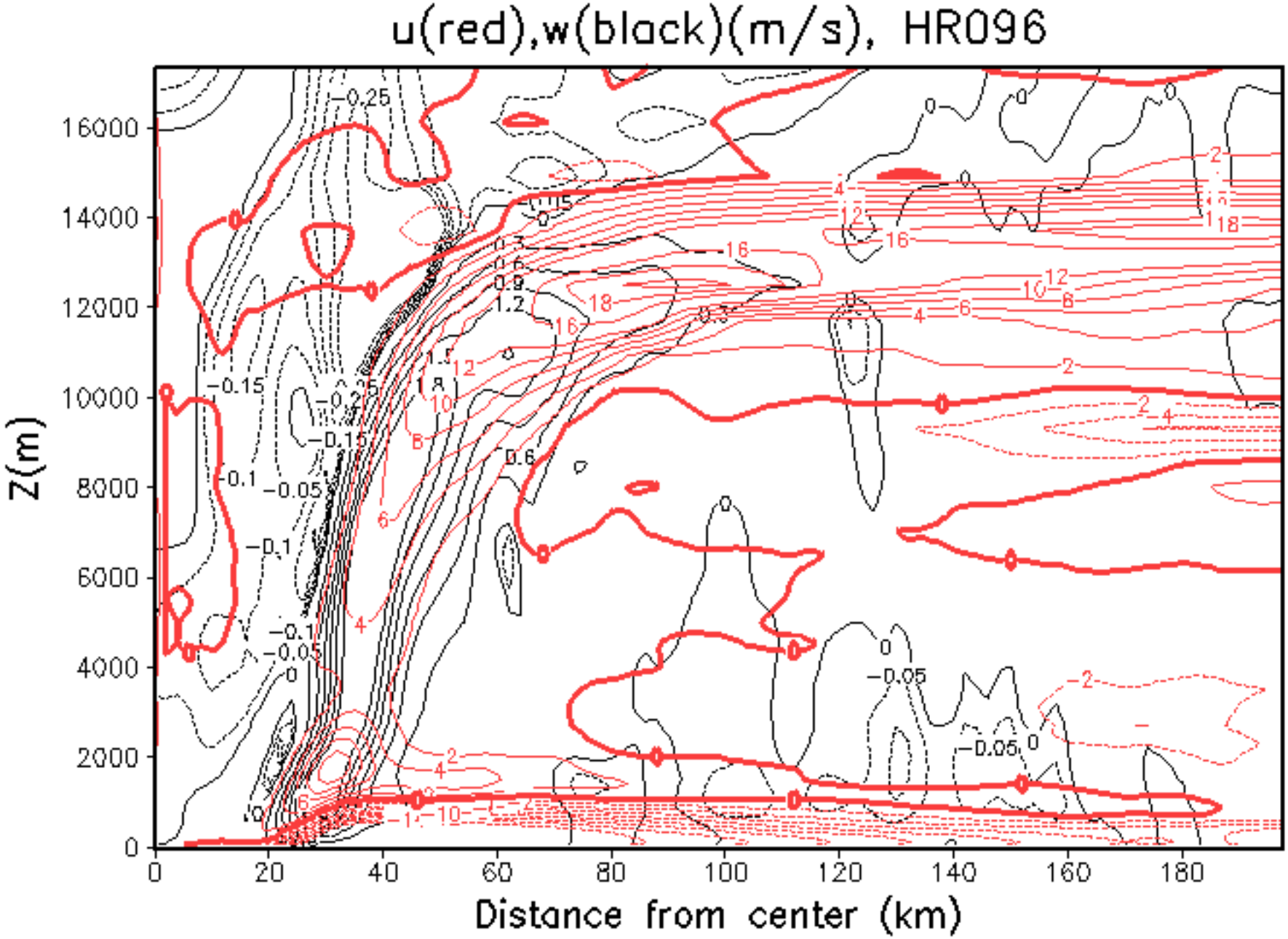

u(red),w(black)(m/s), HR066
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

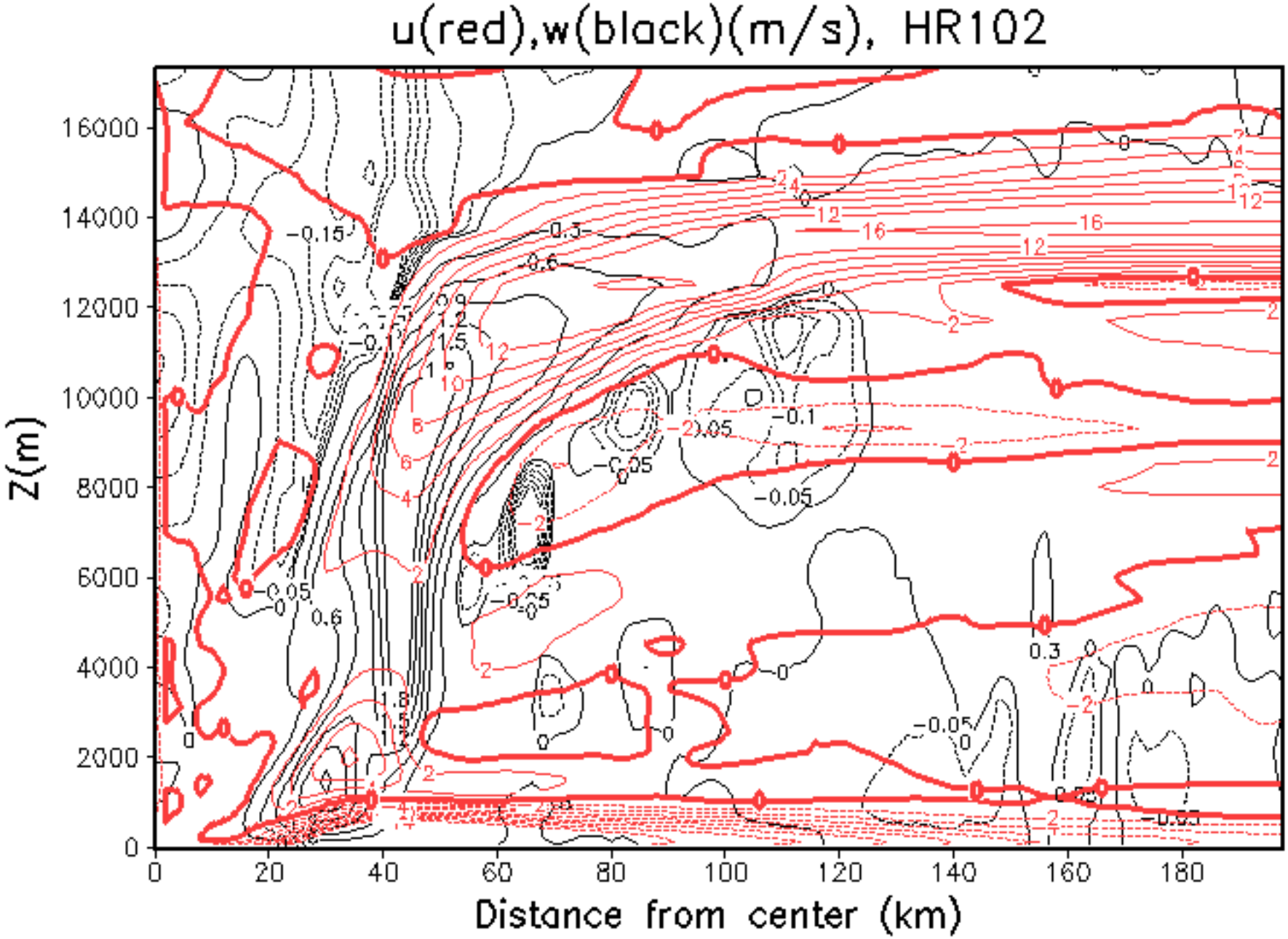

u(red),w(black)(m/s), HR072
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

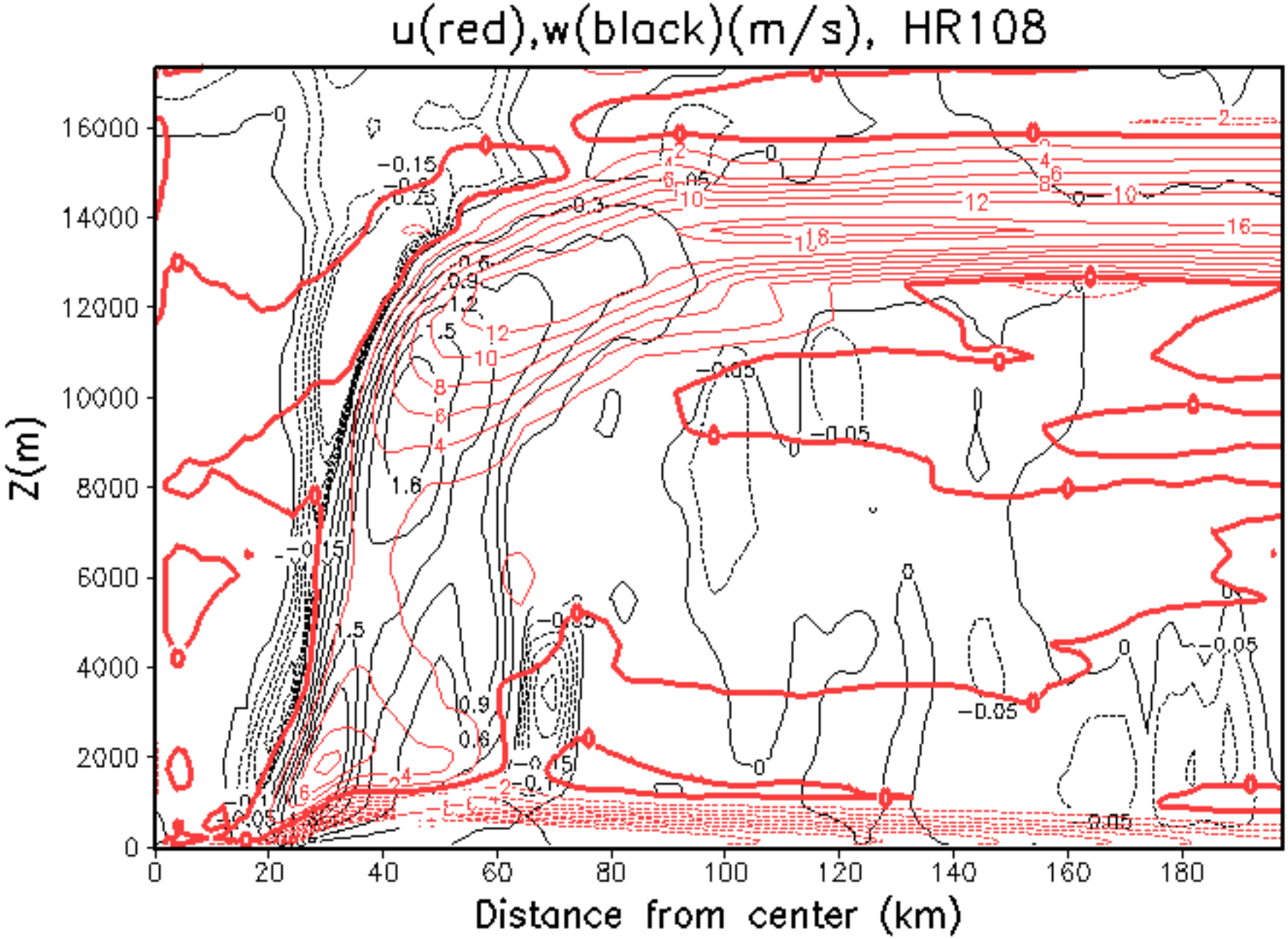

u(red),w(black)(m/s), HR078
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR084
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), HR090
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), HR096
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), HR102
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), HR108
Z(m)
Distance from center (km)
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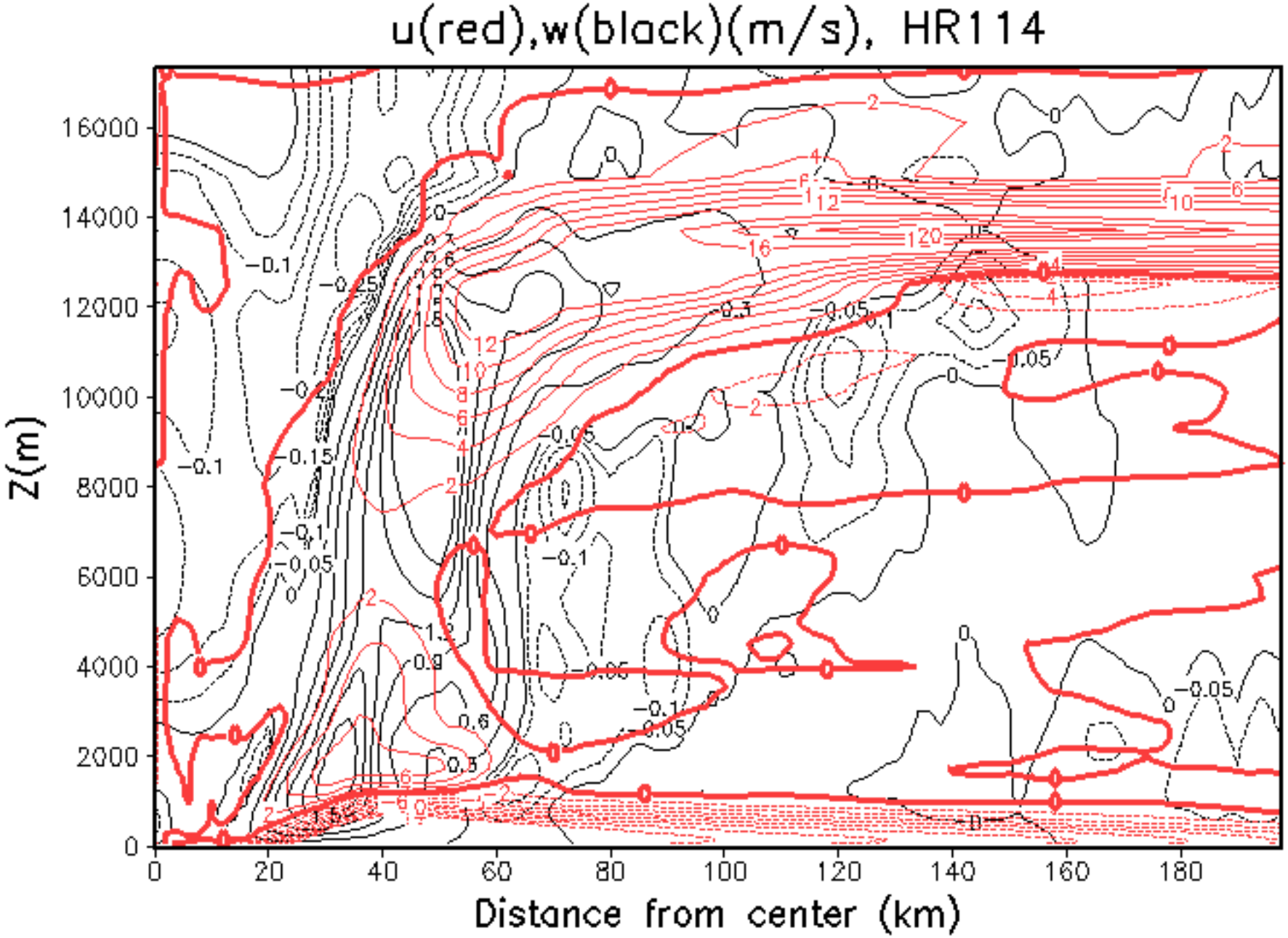
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR114
Z(m)
Distance from center (km)
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6000
8000
10000
12000
14000
16000
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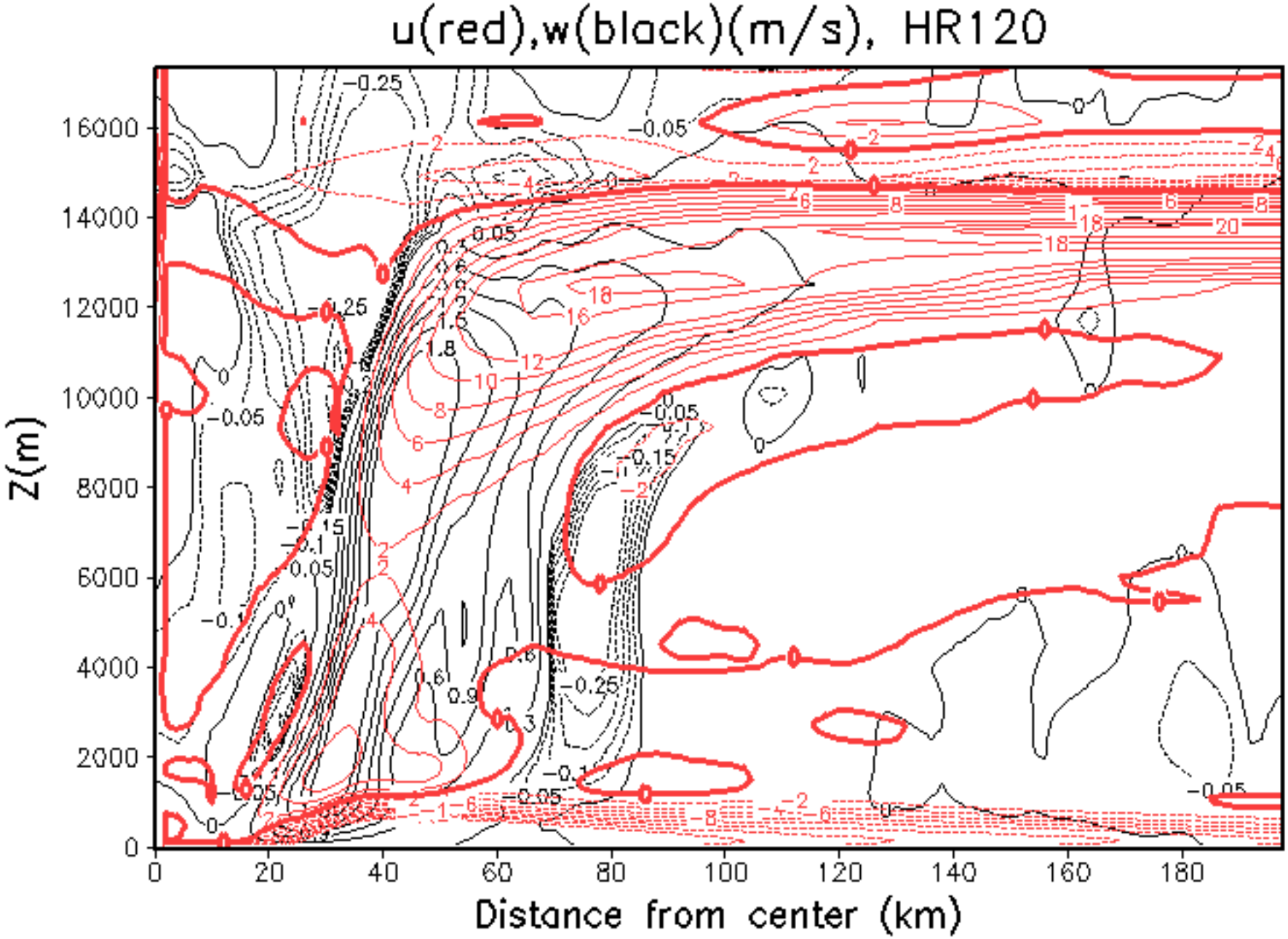
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR120
Z(m)
Distance from center (km)
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6000
8000
10000
12000
14000
16000
0
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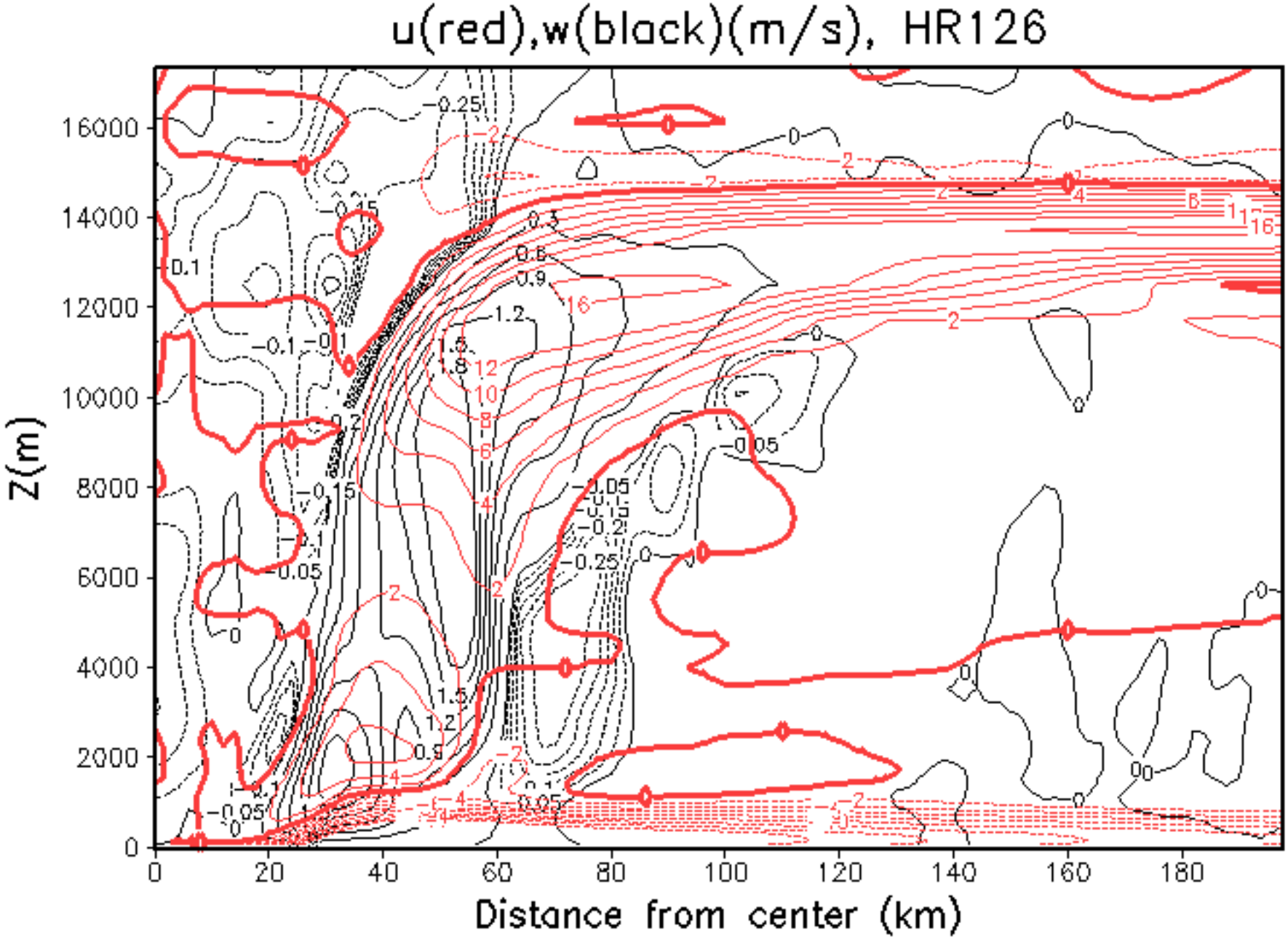
40
60
80
100
120
140
160
180


u(red),w(black)(m/s), HR126
Z(m)
Distance from center (km)
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4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180