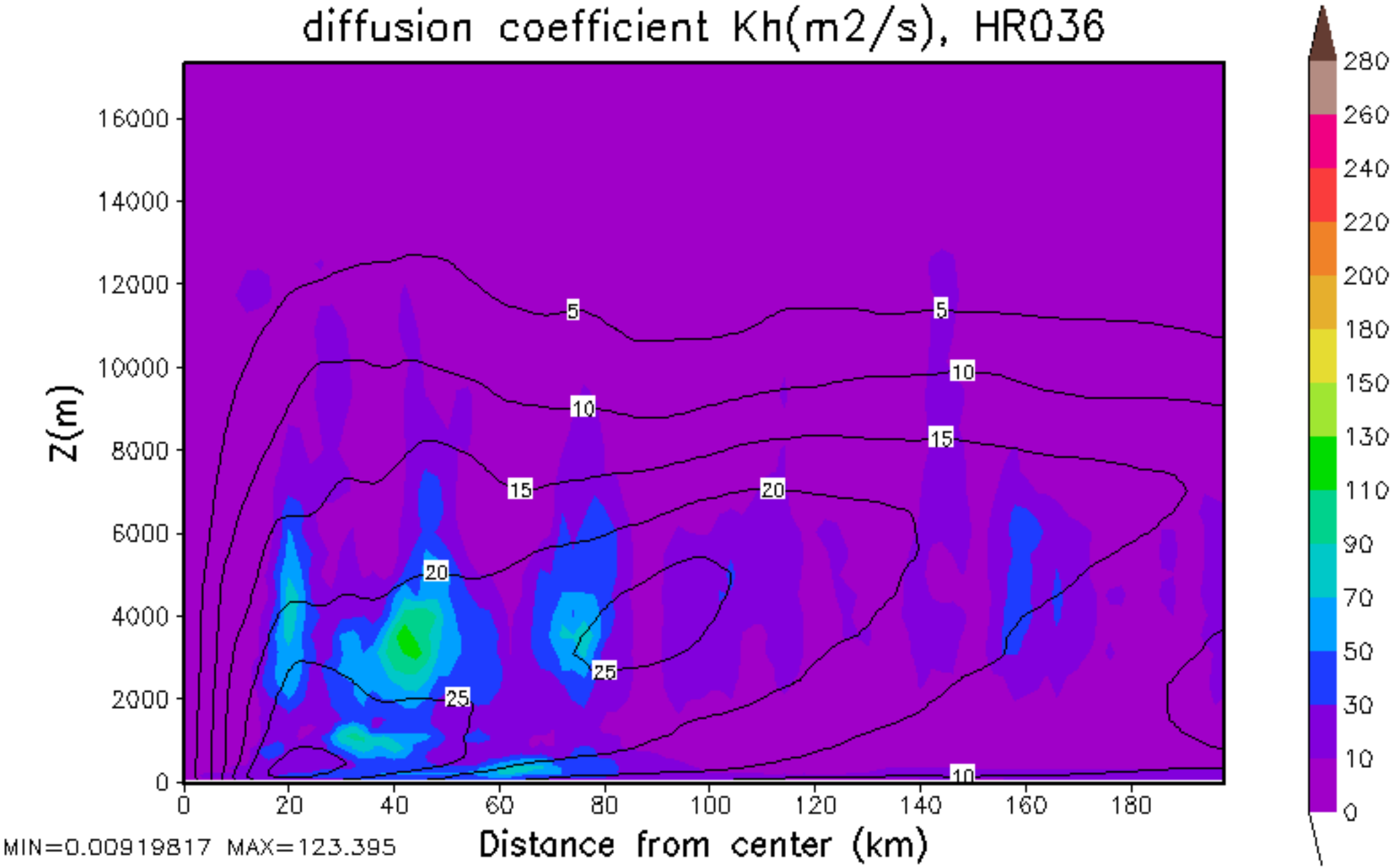
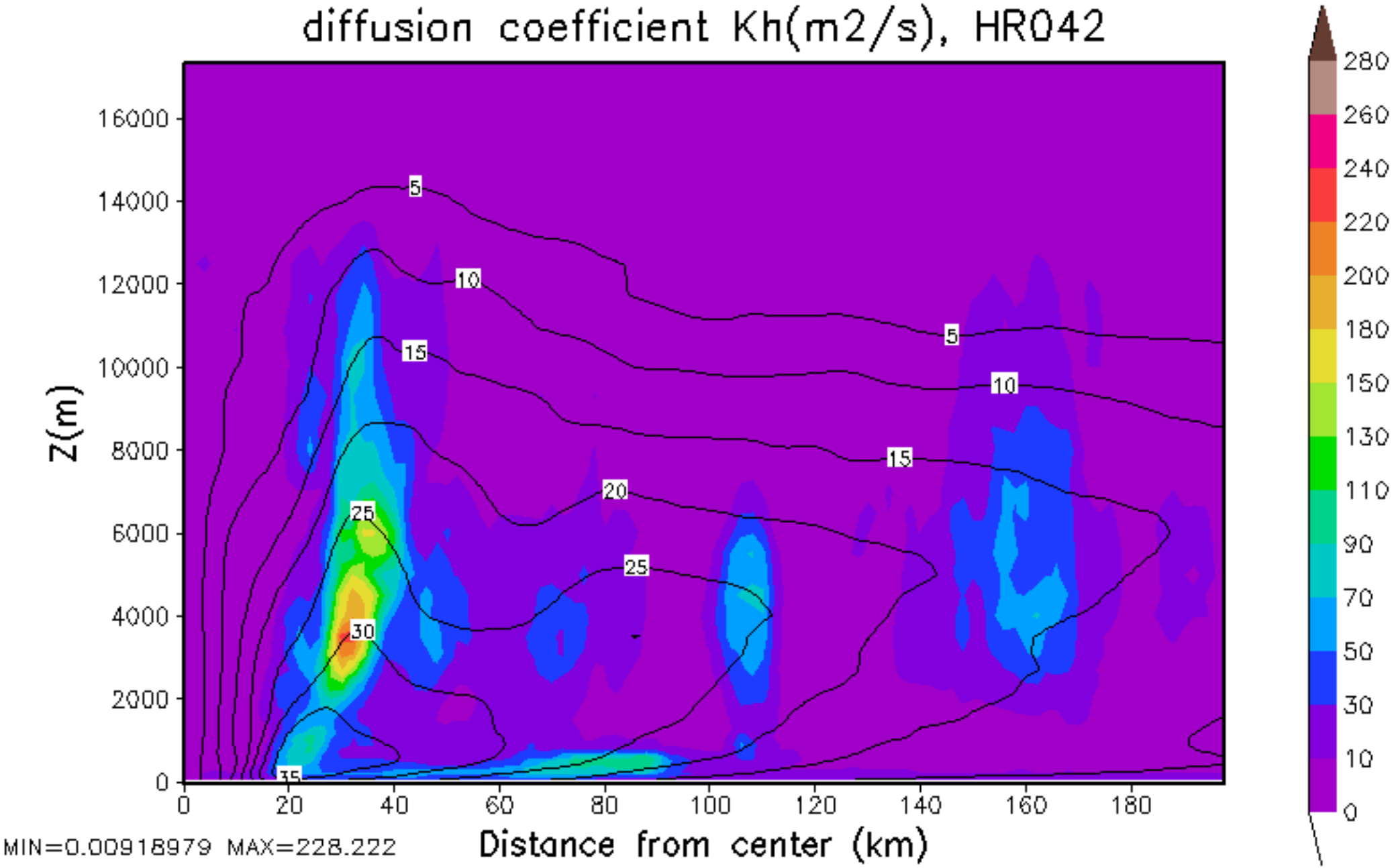
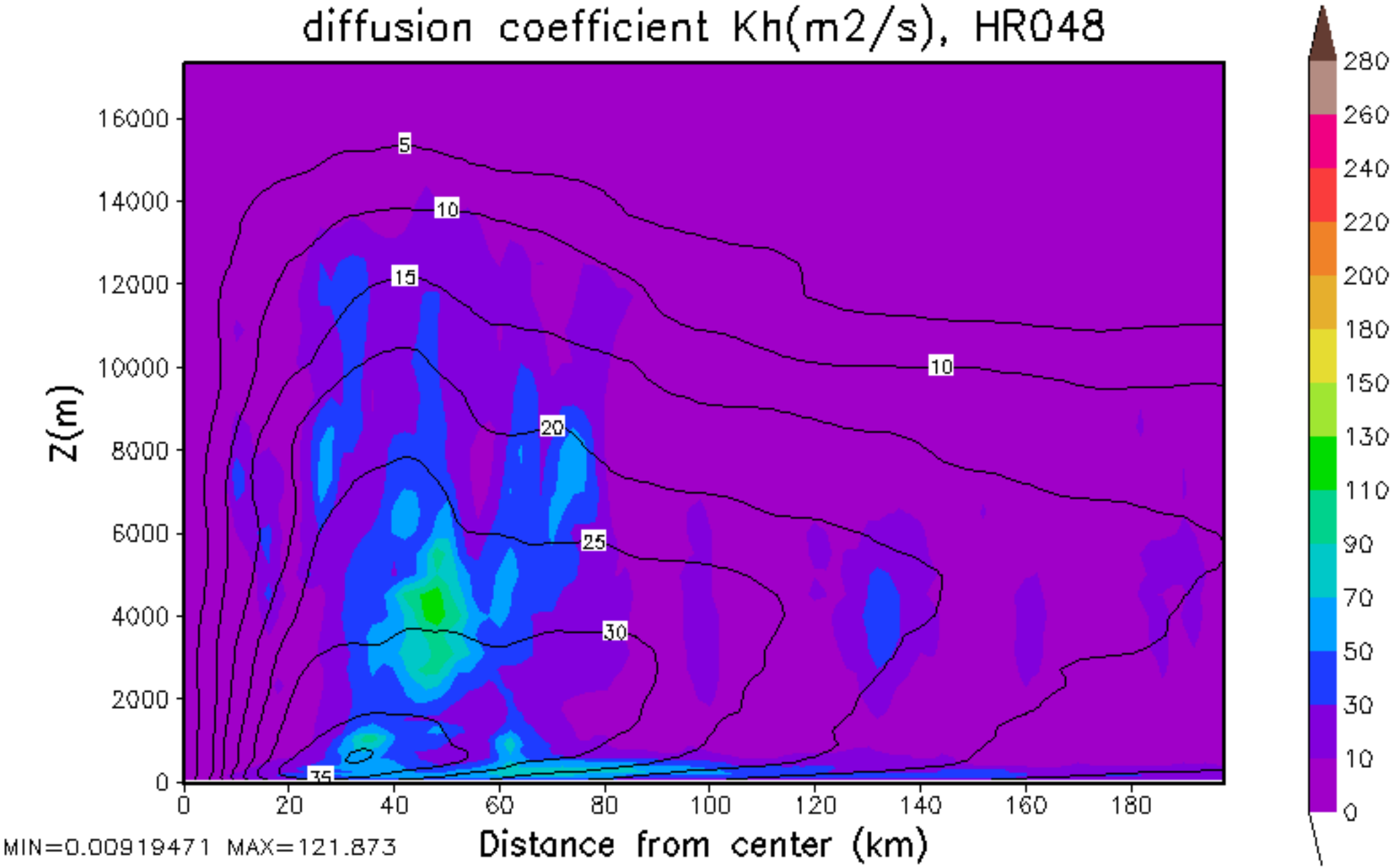
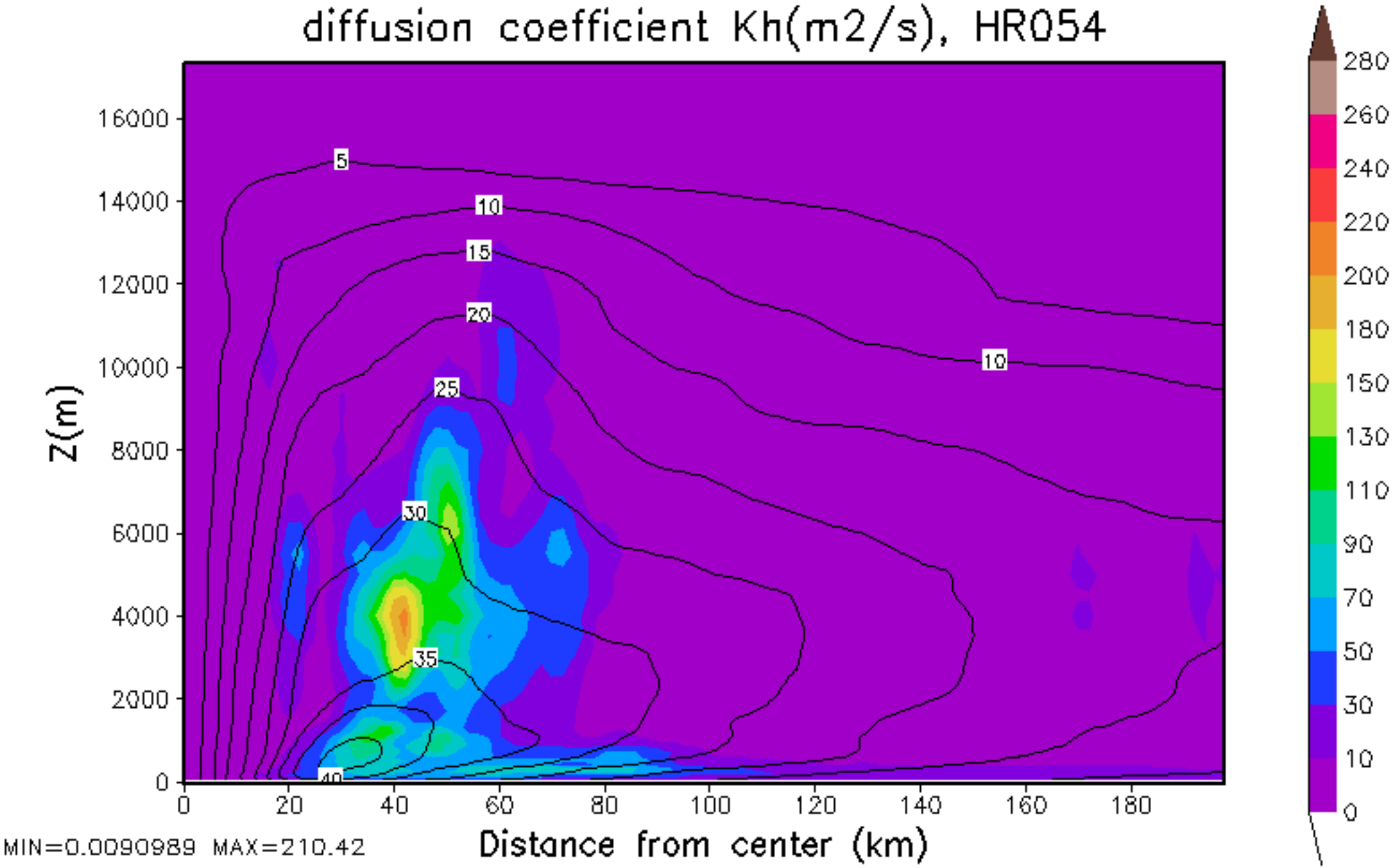
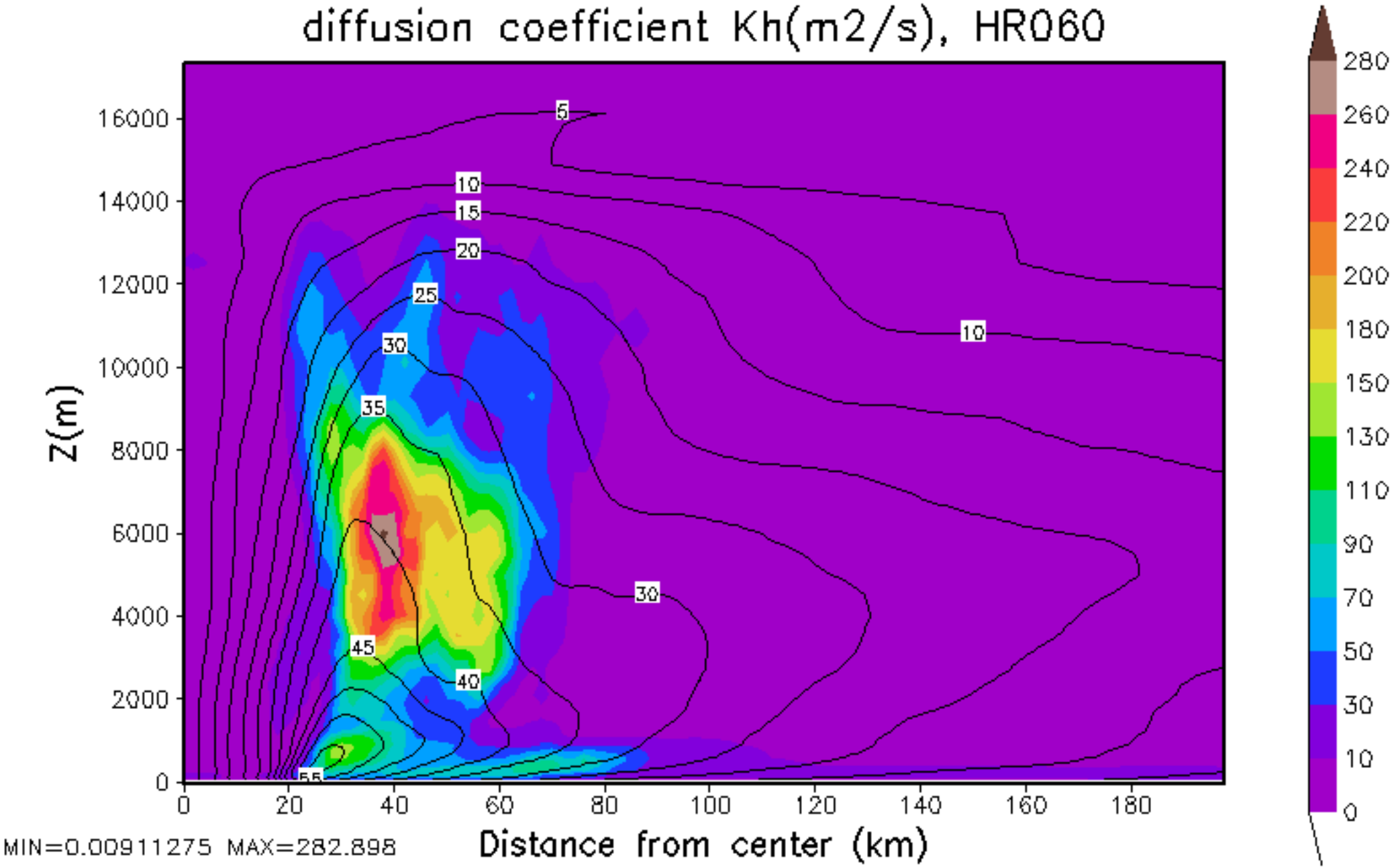
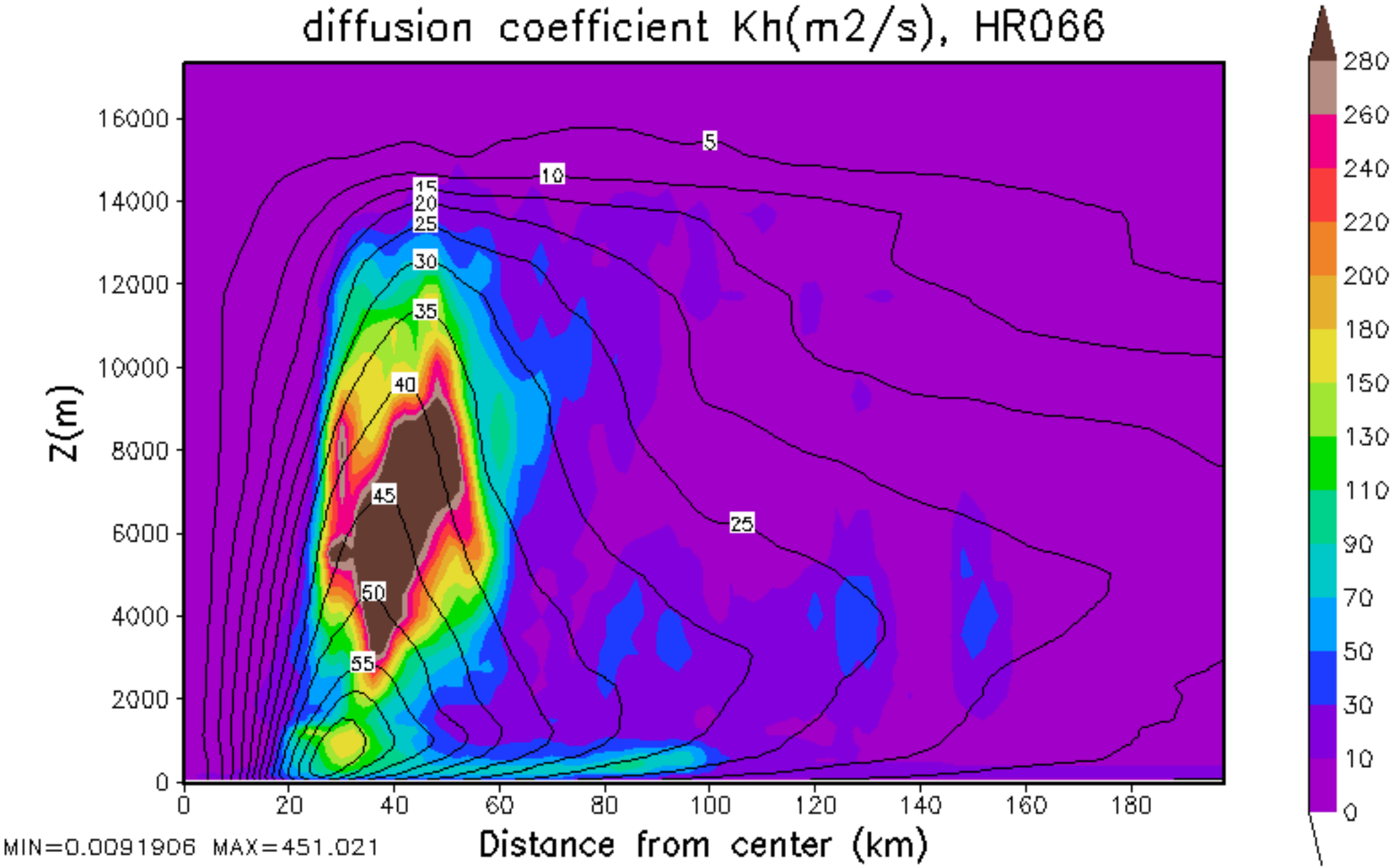

diffusion coefficient Kh(m2/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
MIN=0.00919817 MAX=123.395
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

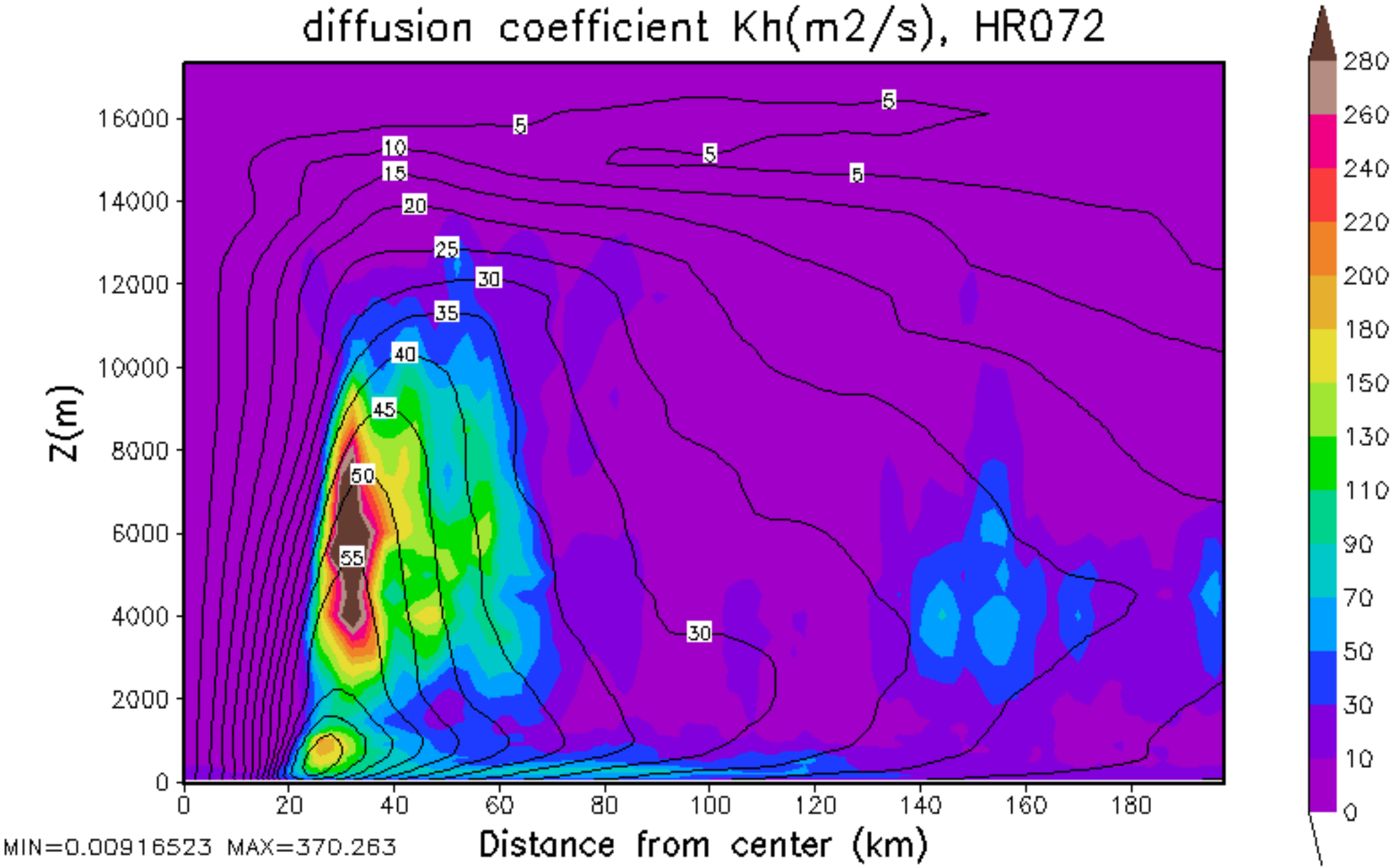

diffusion coefficient Kh(m2/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
MIN=0.00918979 MAX=228.222
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

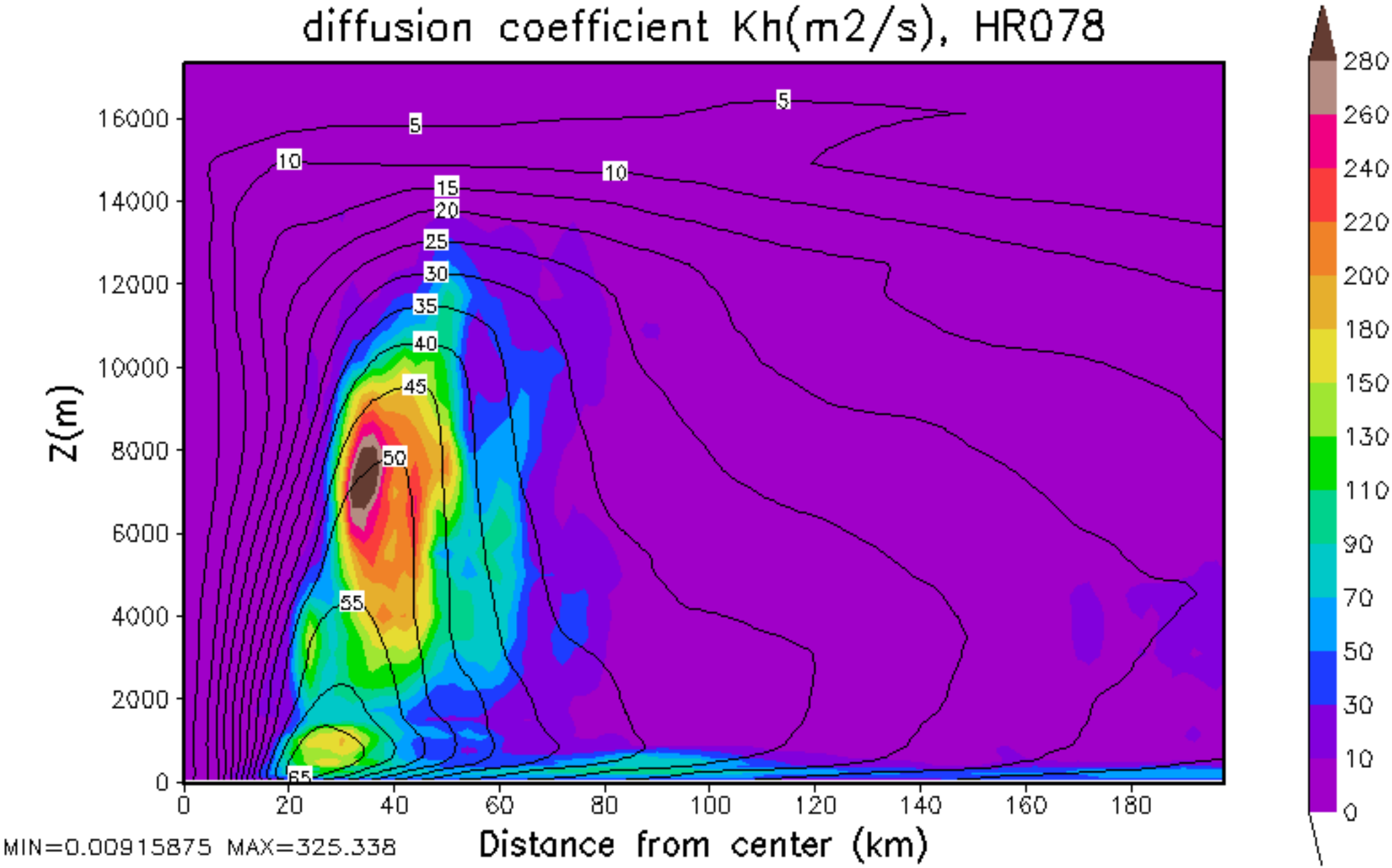

diffusion coefficient Kh(m2/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919471 MAX=121.873

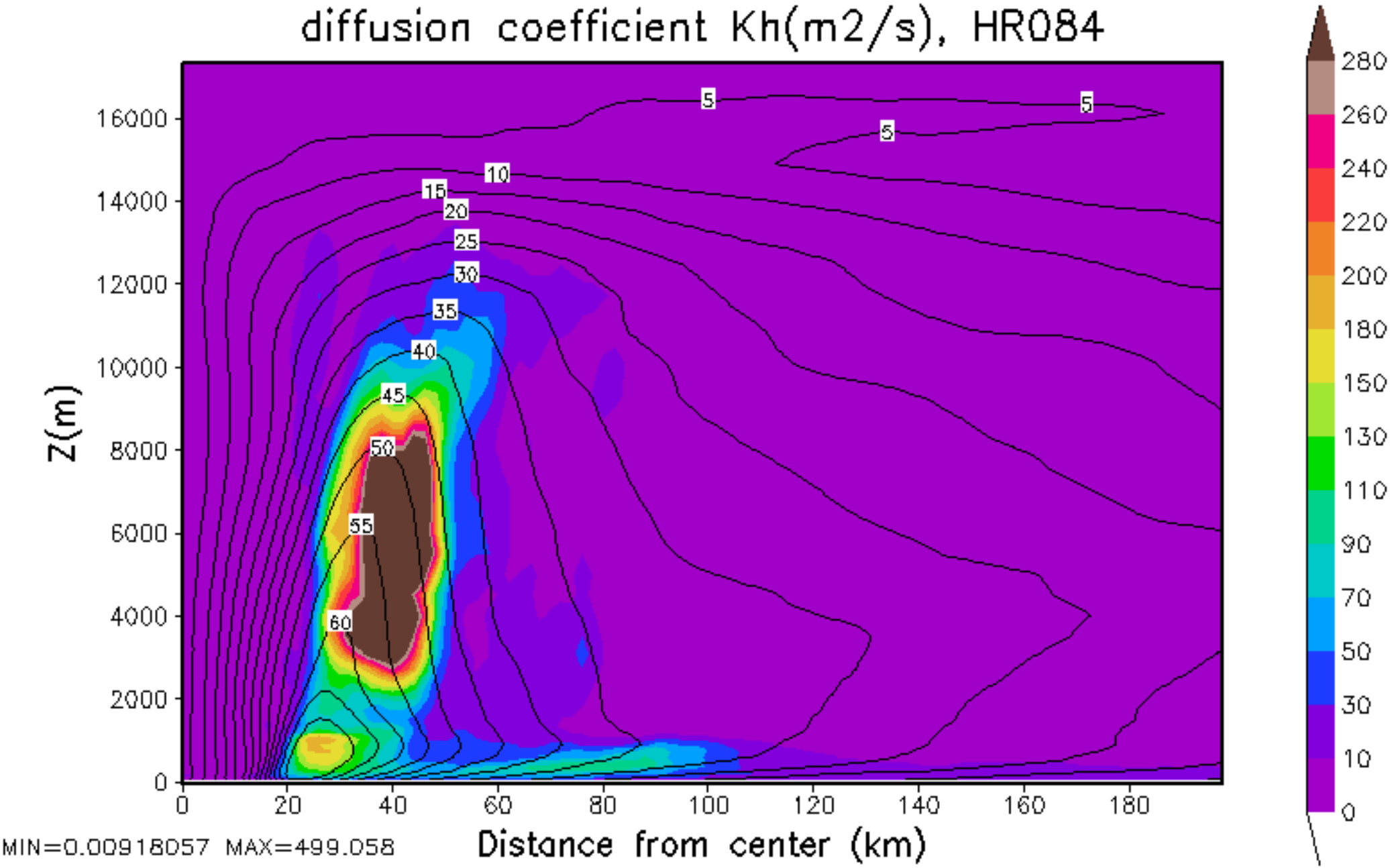

diffusion coefficient Kh(m2/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.0090989 MAX=210.42

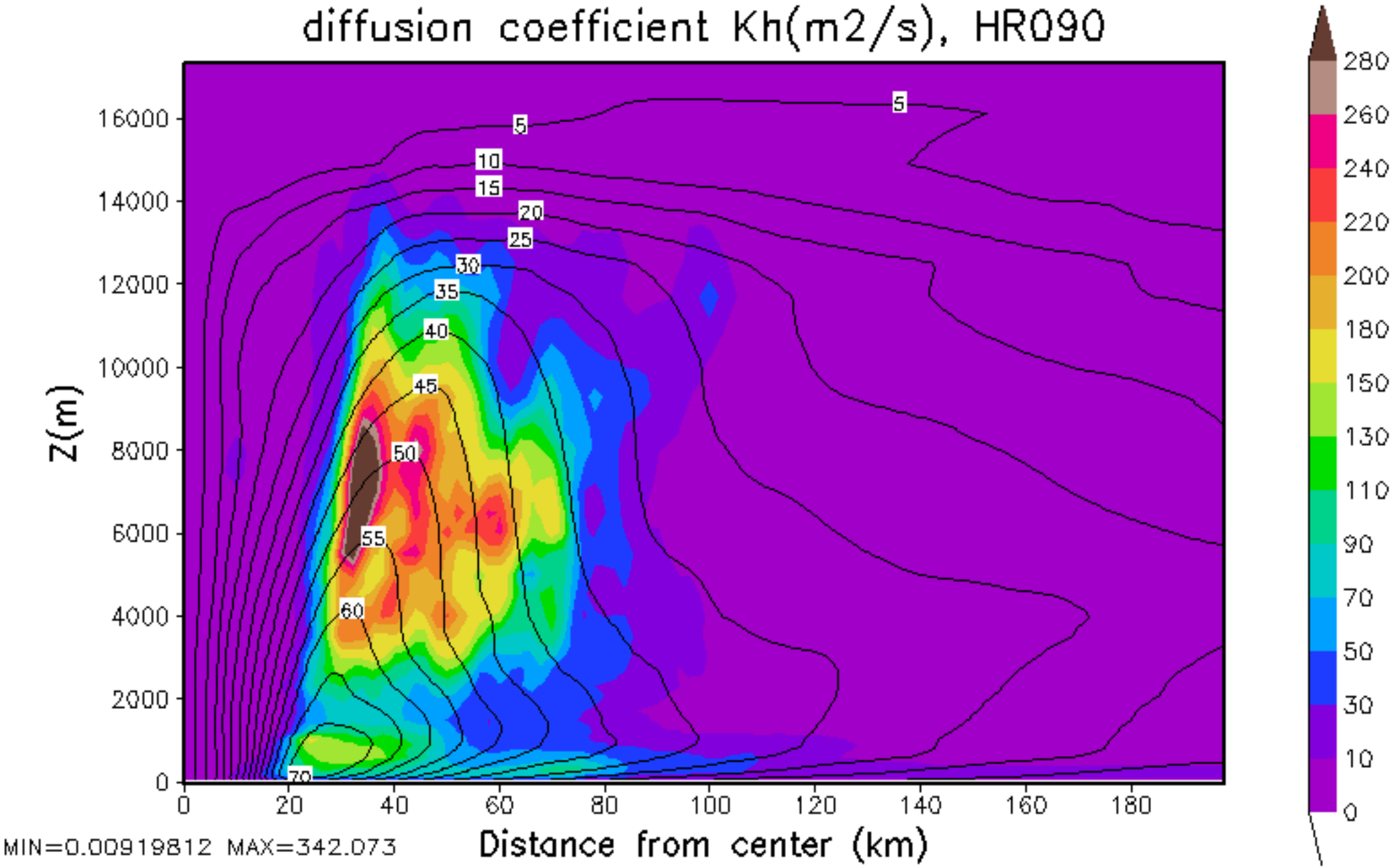

diffusion coefficient Kh(m2/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
55
10
30
MIN=0.00911275 MAX=282.898
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

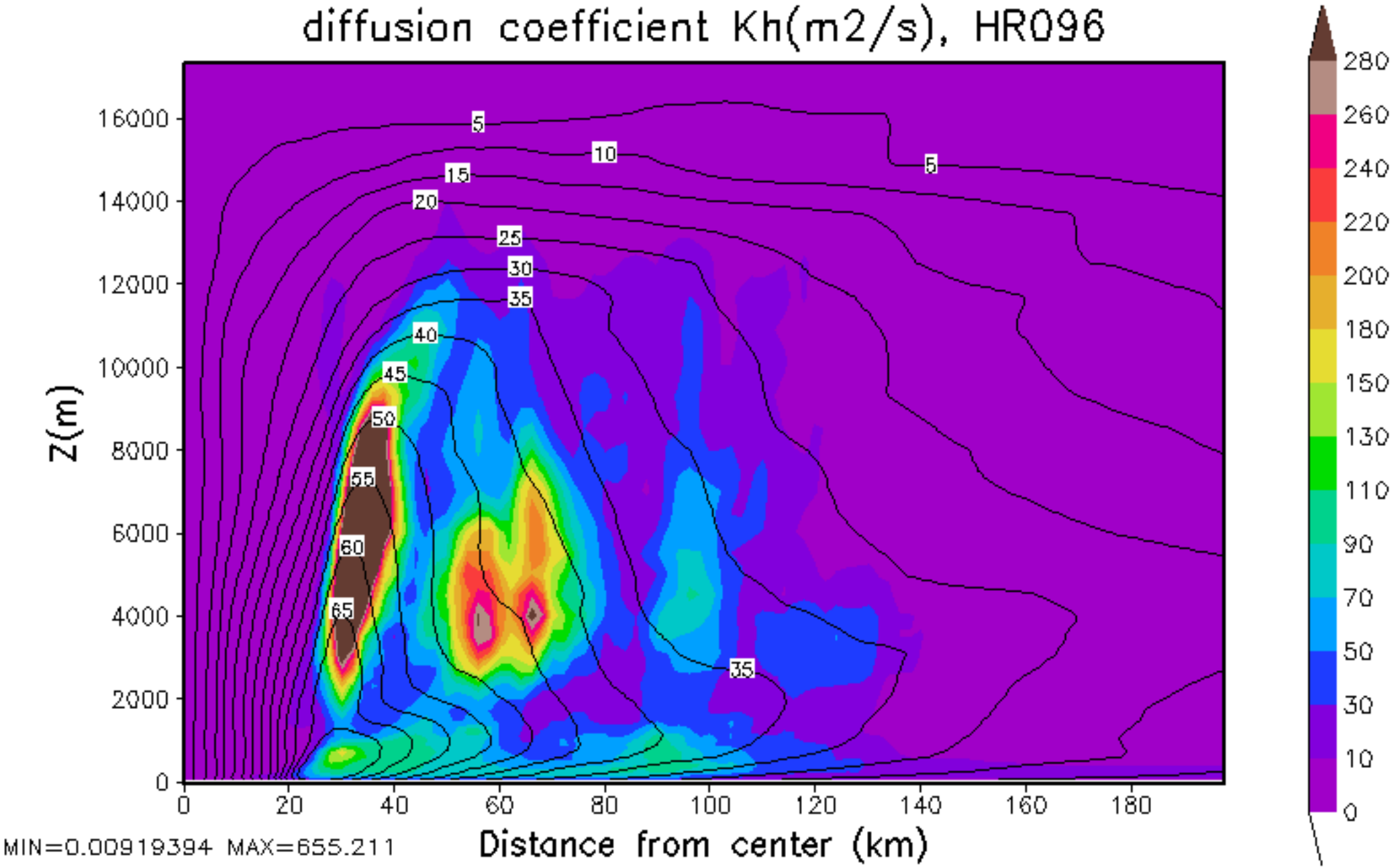

diffusion coefficient Kh(m2/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.0091906 MAX=451.021

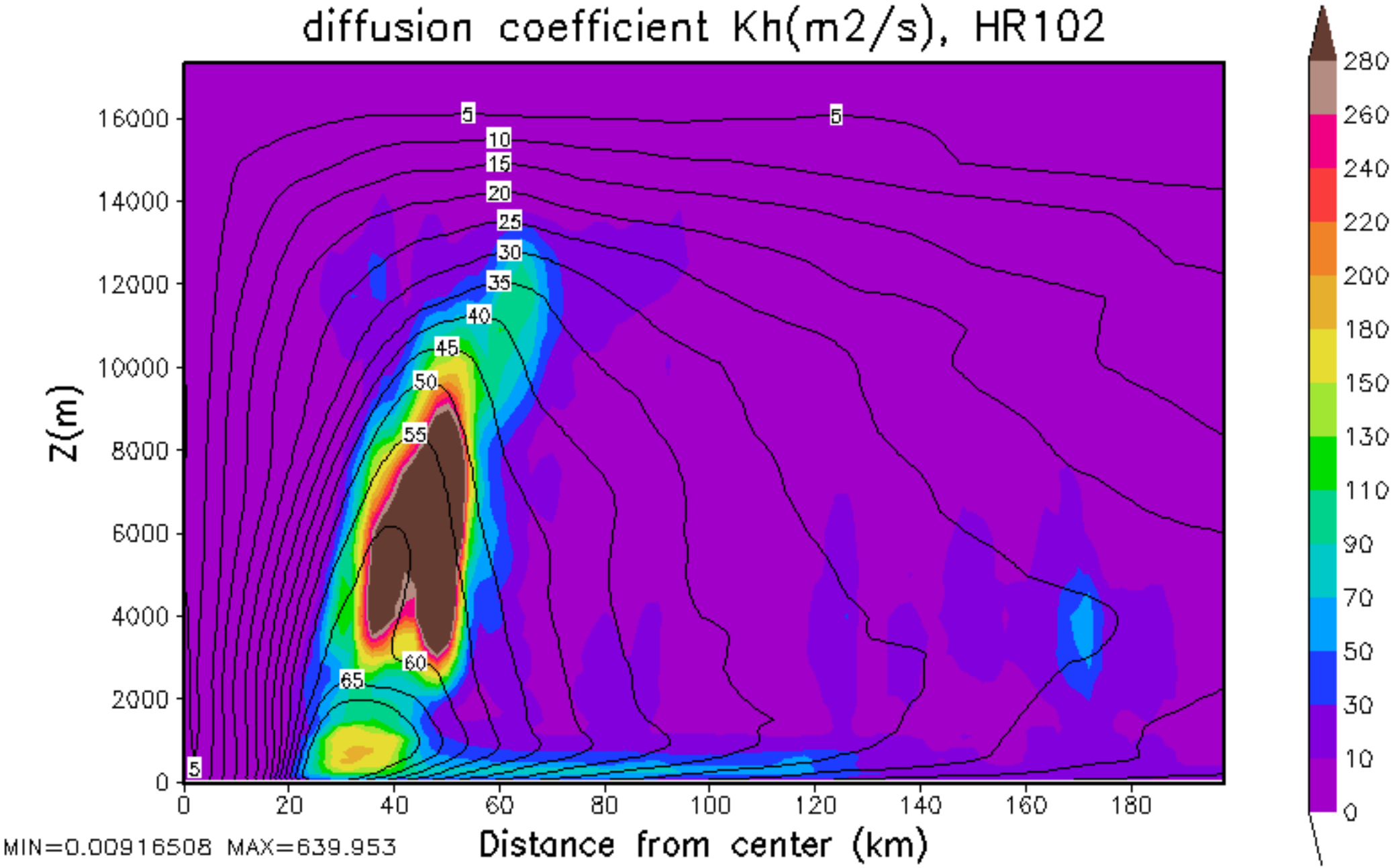

diffusion coefficient Kh(m2/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00916523 MAX=370.263
5
10
15
20
25
30
35
40
45
50
55
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

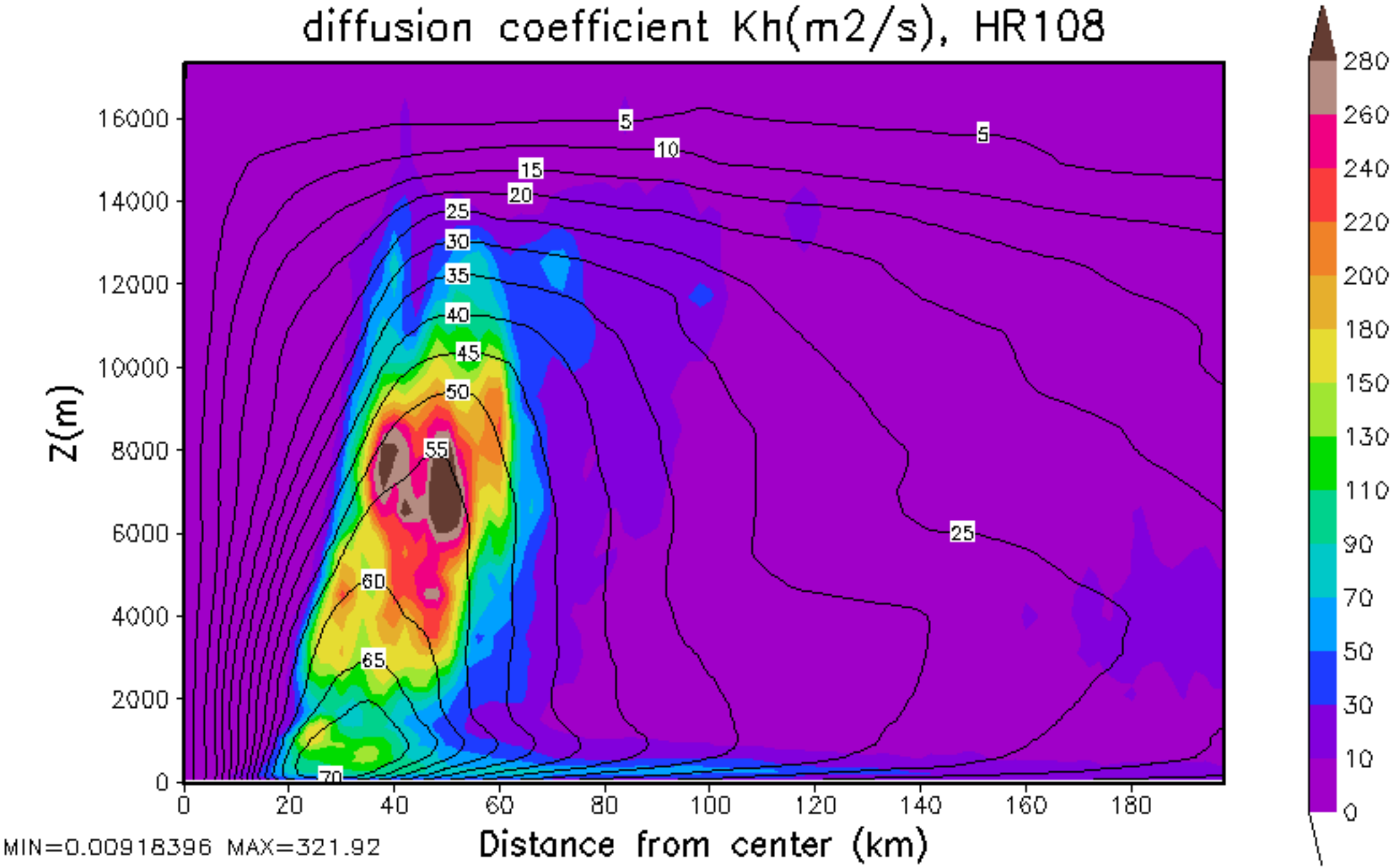

diffusion coefficient Kh(m2/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
65
MIN=0.00915875 MAX=325.338
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

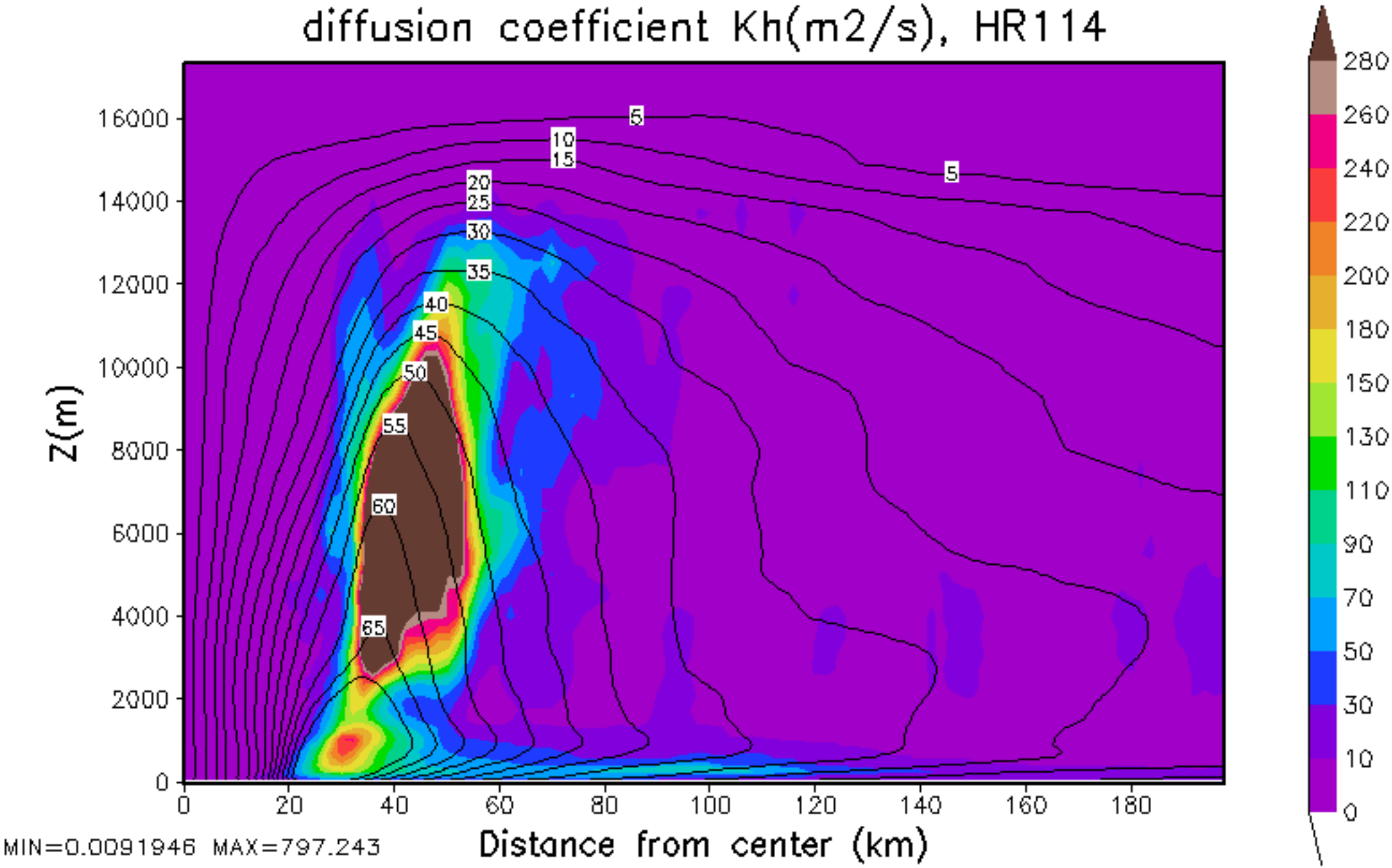

diffusion coefficient Kh(m2/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
5
10
15
20
25
30
35
40
45
50
55
60
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00918057 MAX=499.058

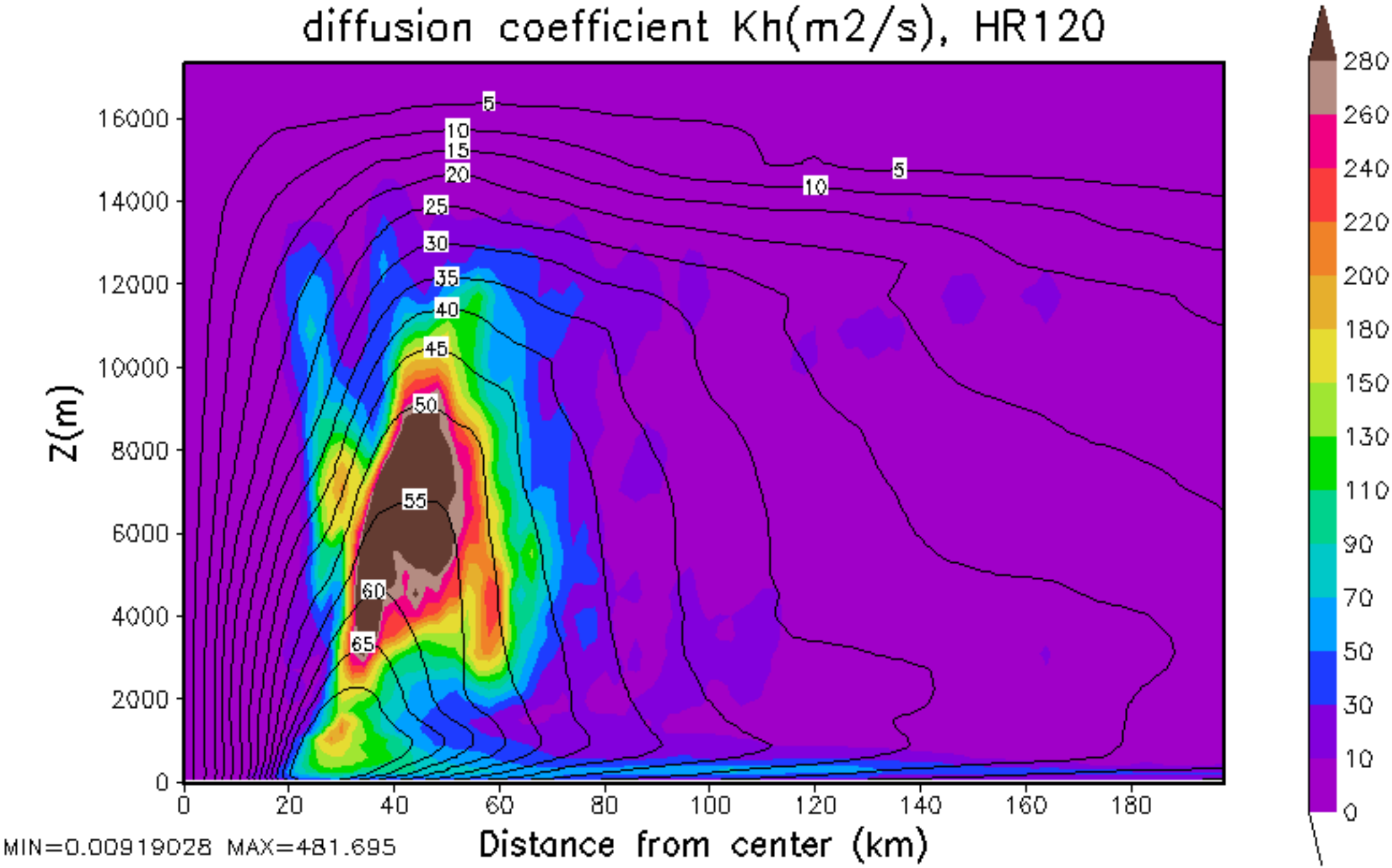

diffusion coefficient Kh(m2/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
70
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919812 MAX=342.073

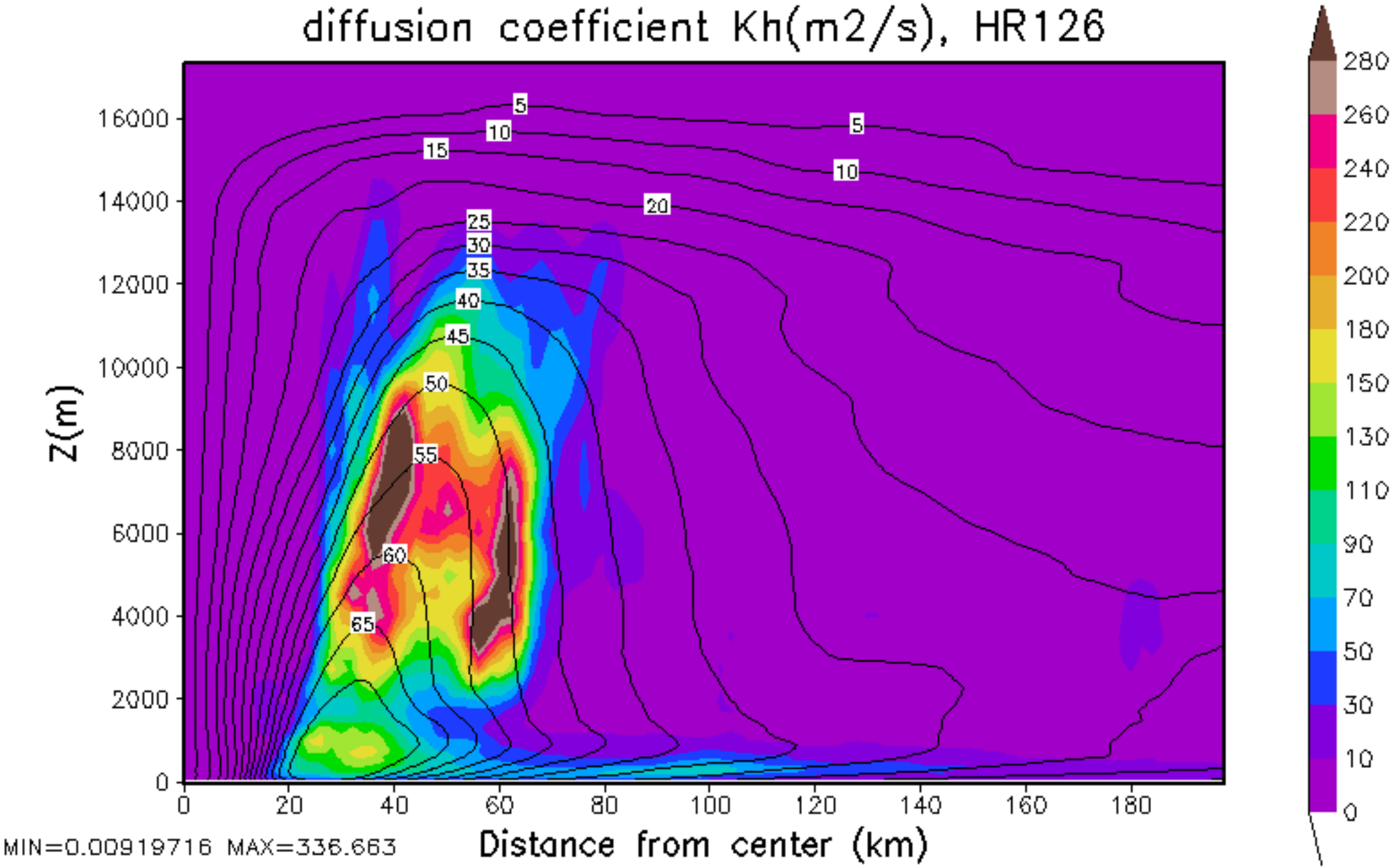

diffusion coefficient Kh(m2/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
35
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919394 MAX=655.211

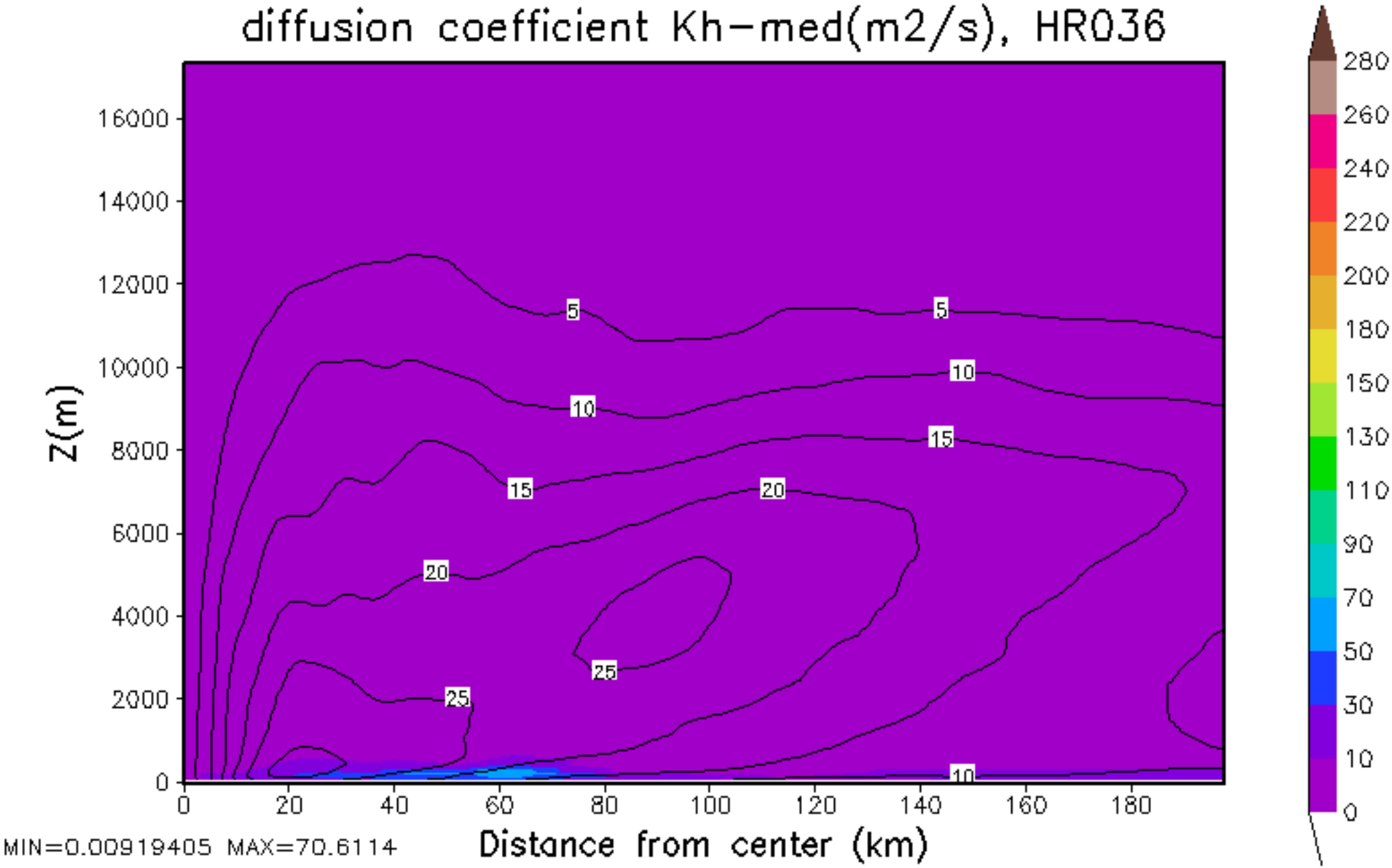

diffusion coefficient Kh(m2/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
MIN=0.00916508 MAX=639.953
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

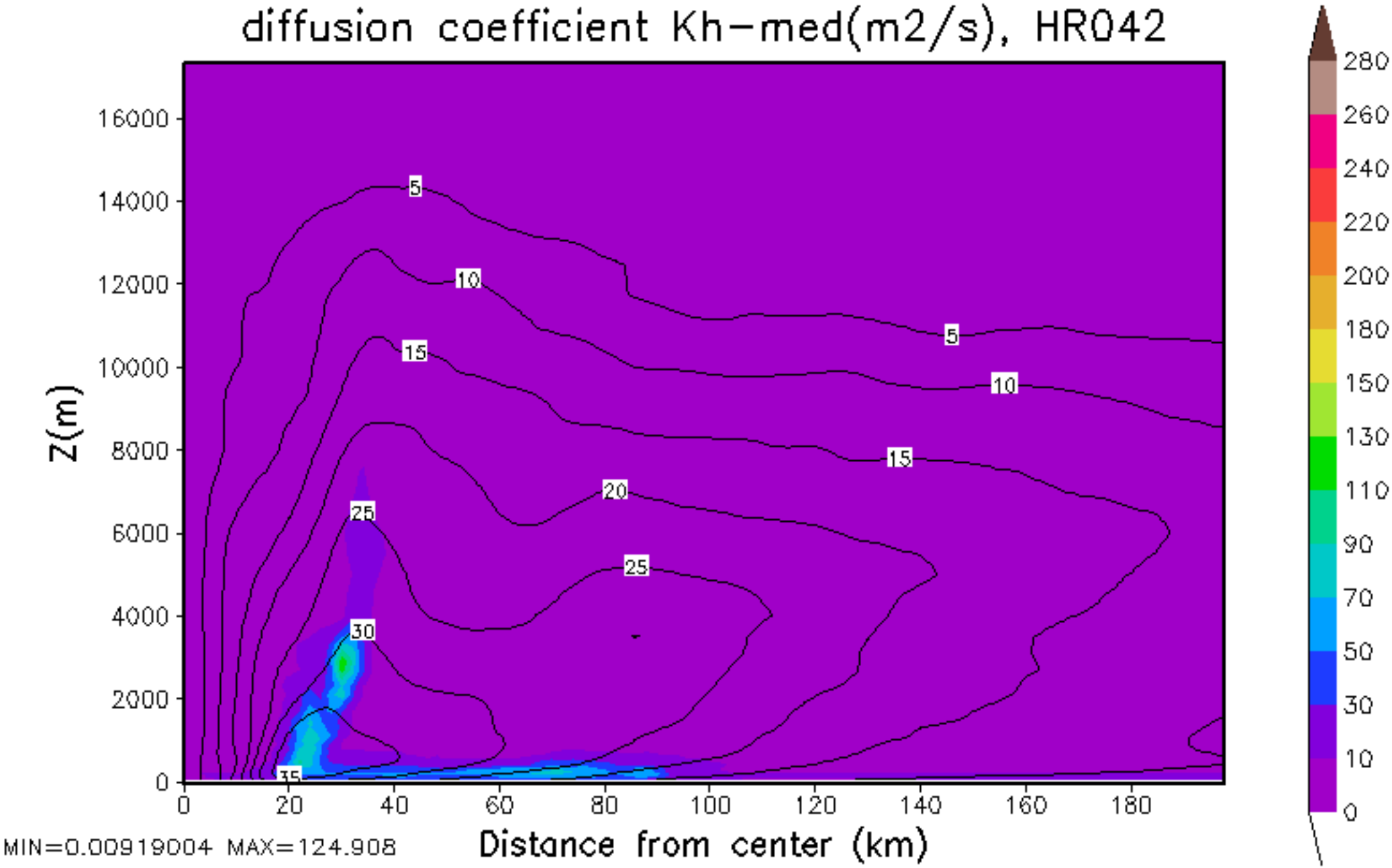

diffusion coefficient Kh(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00918396 MAX=321.92
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
70
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

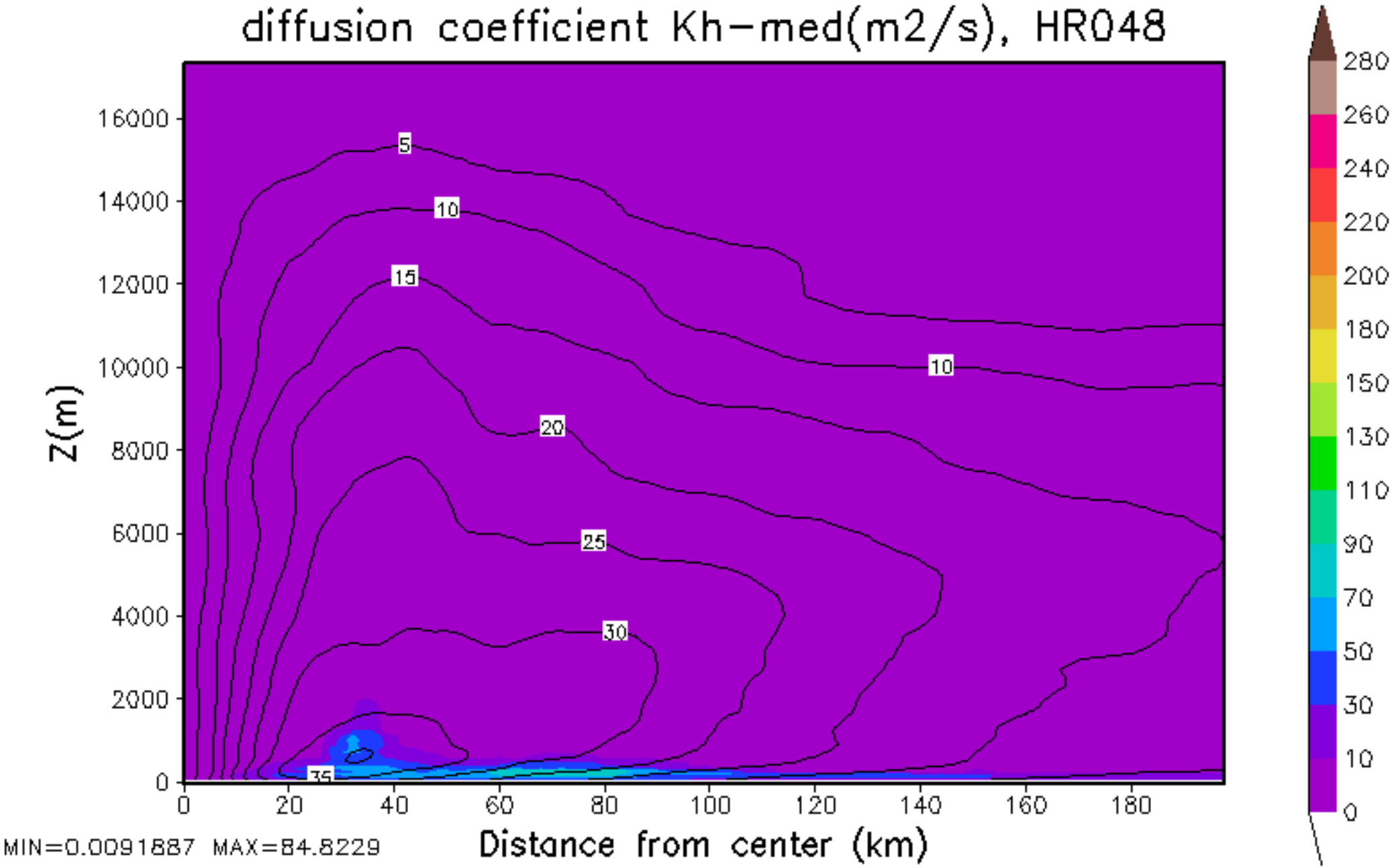

diffusion coefficient Kh(m2/s), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.0091946 MAX=797.243

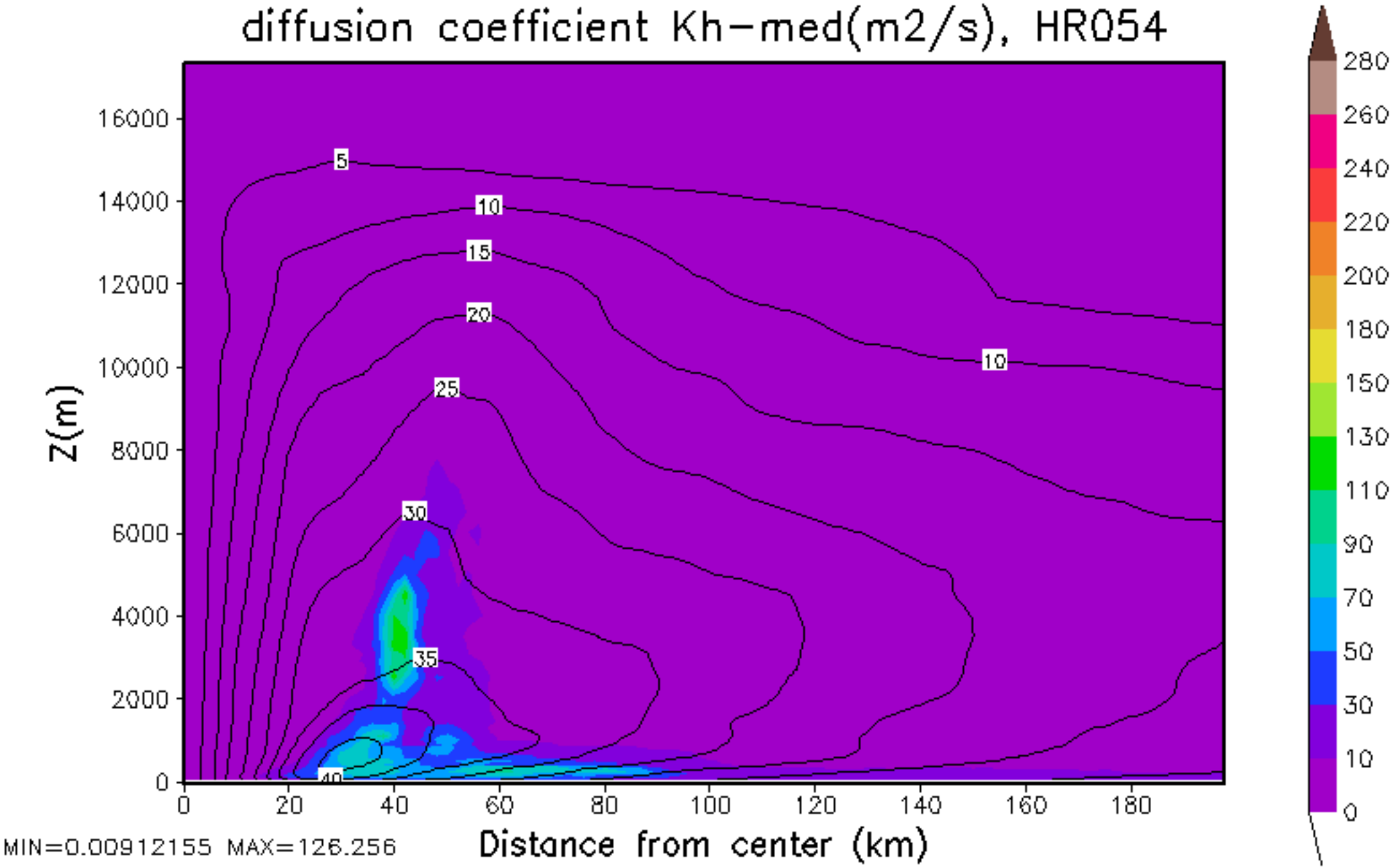

diffusion coefficient Kh(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00919028 MAX=481.695
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
5
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

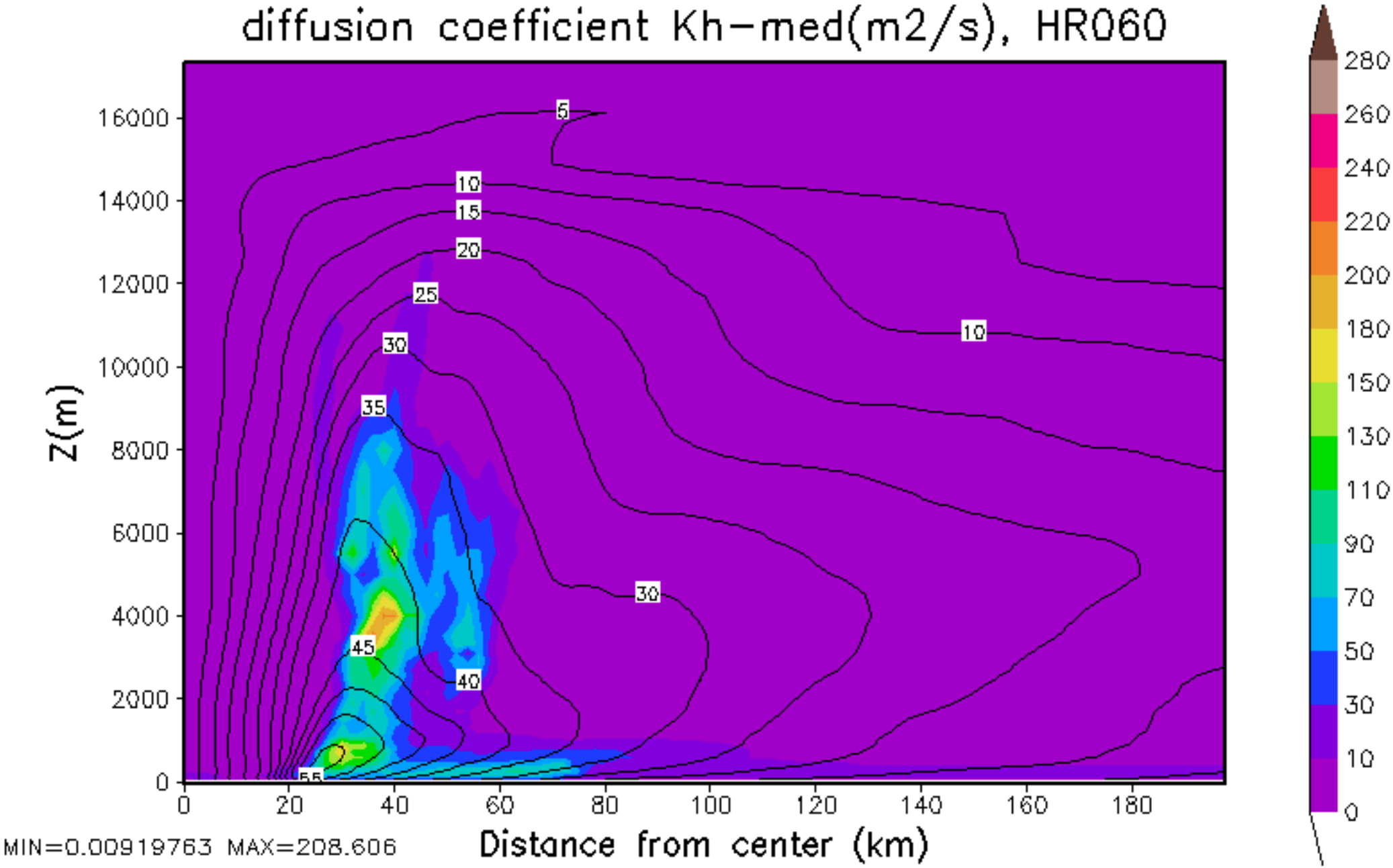

diffusion coefficient Kh(m2/s), HR126
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919716 MAX=336.663

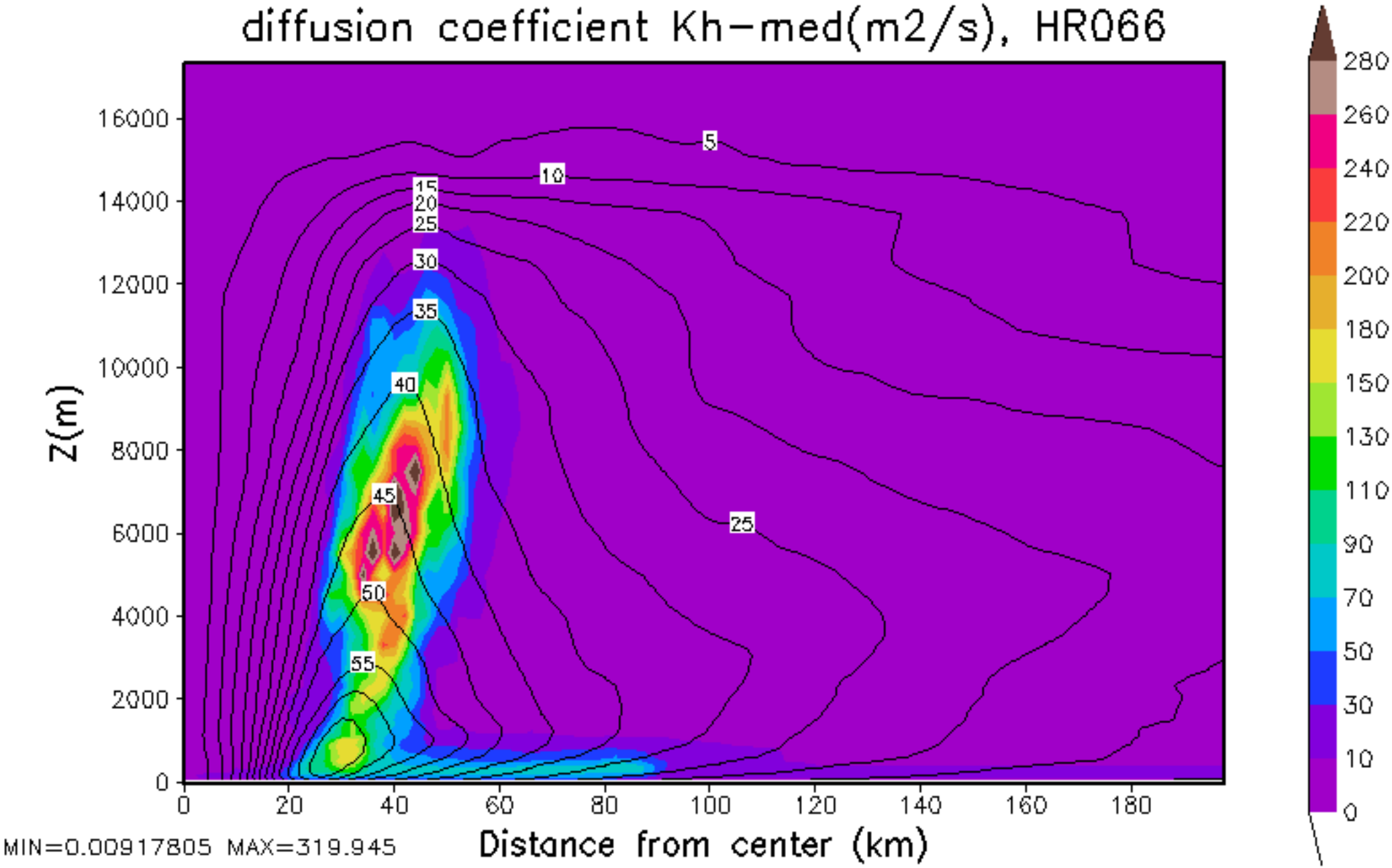

diffusion coefficient Kh-med(m2/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
MIN=0.00919405 MAX=70.6114
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

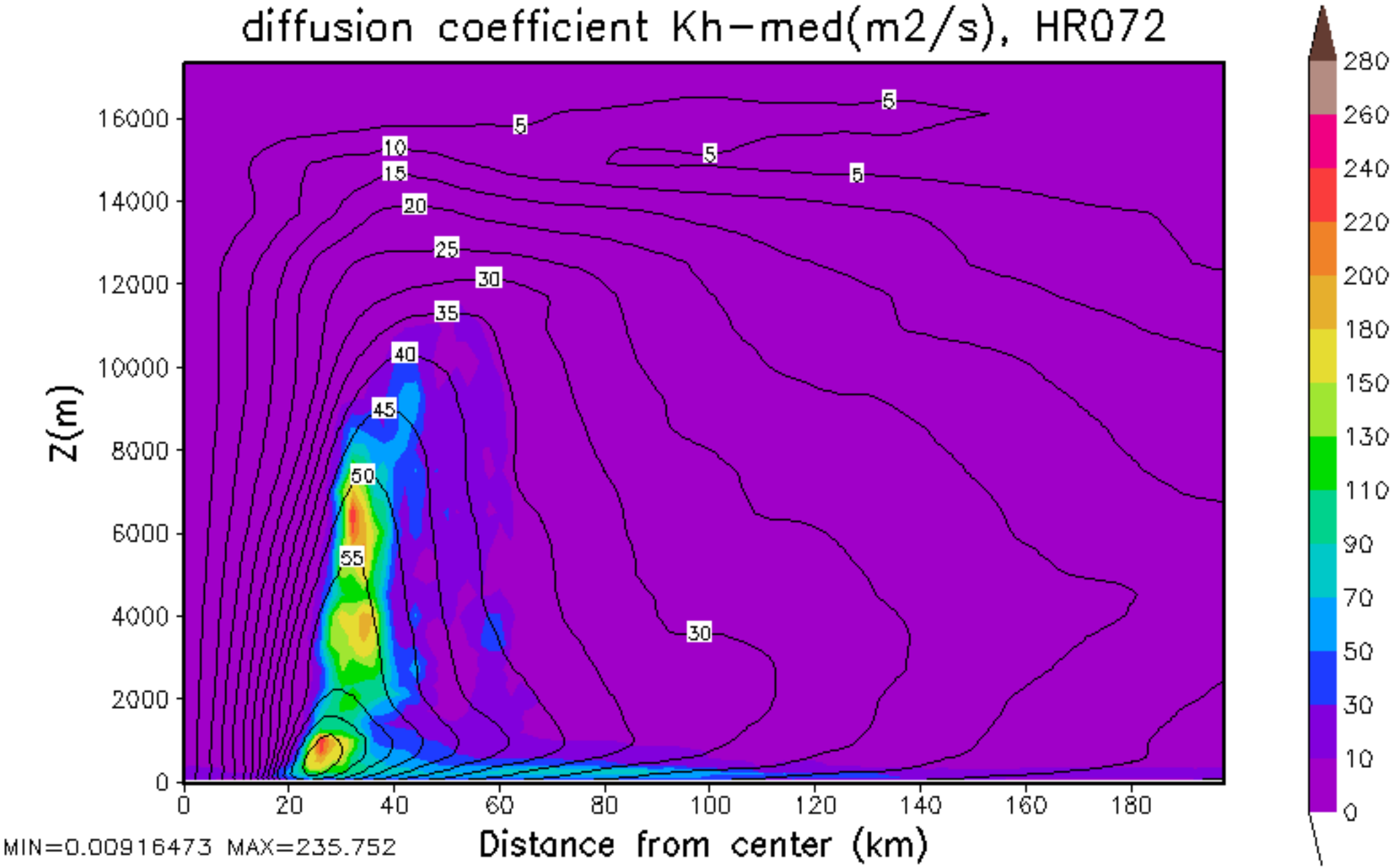

diffusion coefficient Kh-med(m2/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919004 MAX=124.908

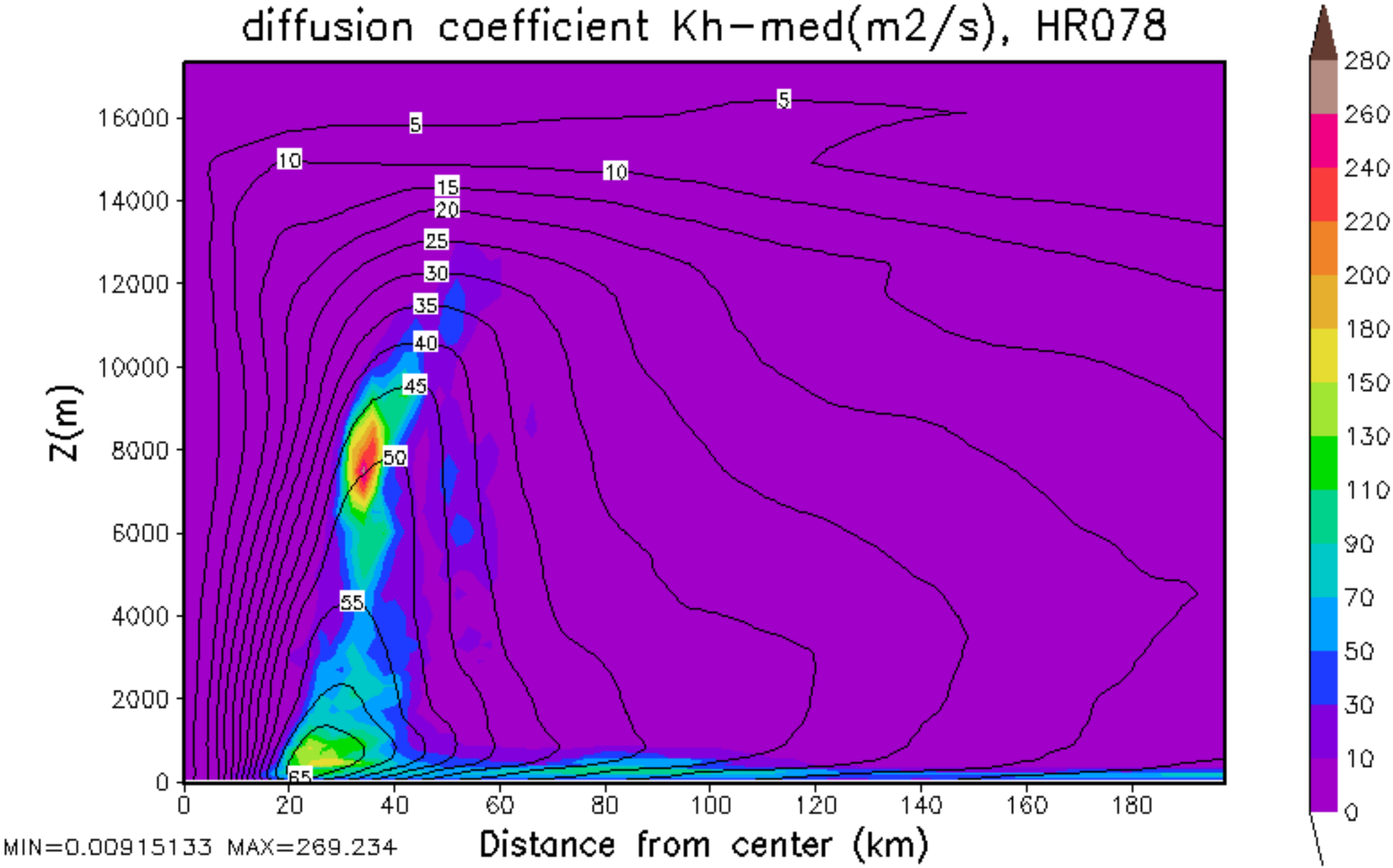

diffusion coefficient Kh-med(m2/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.0091887 MAX=84.8229

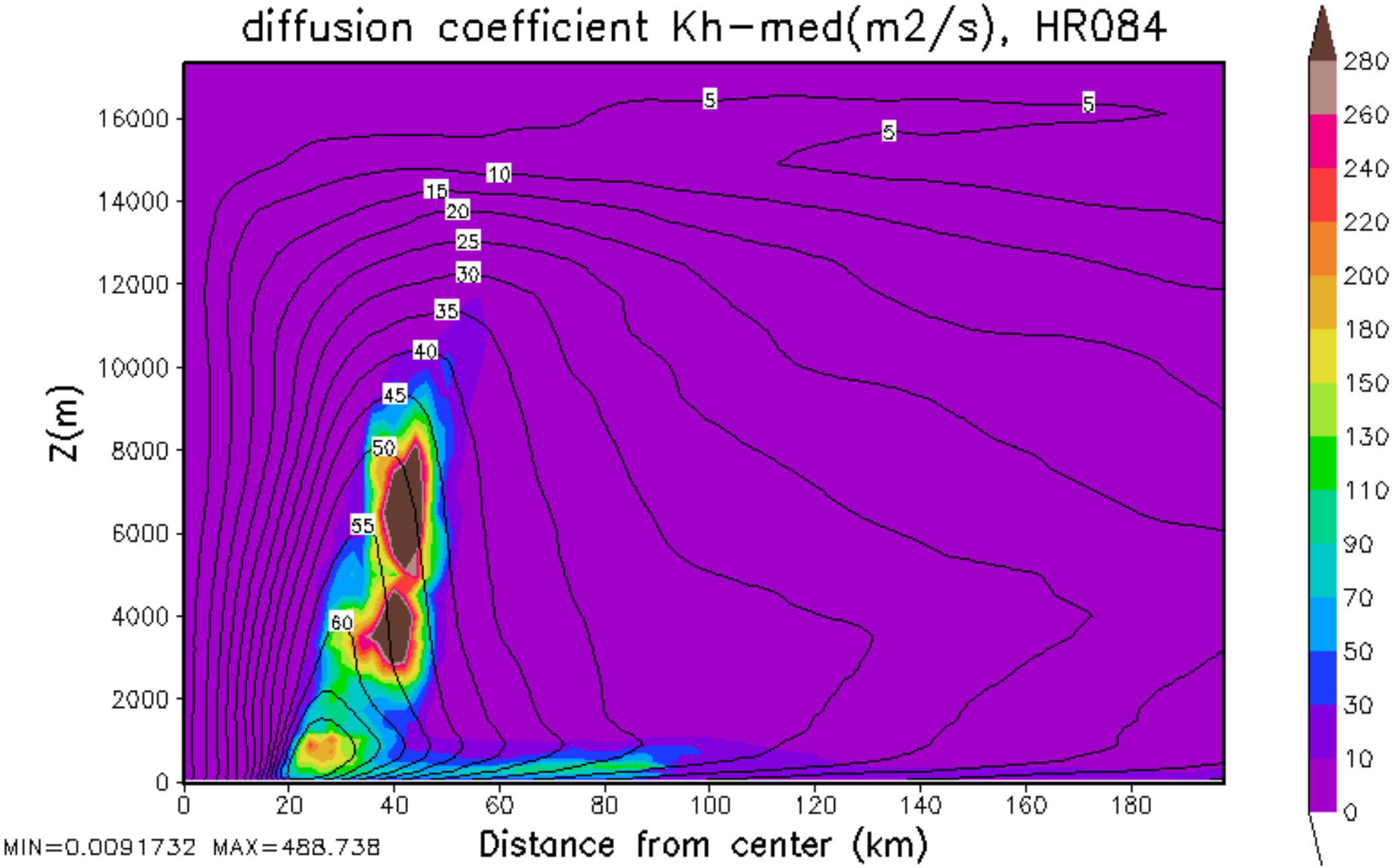

diffusion coefficient Kh-med(m2/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00912155 MAX=126.256

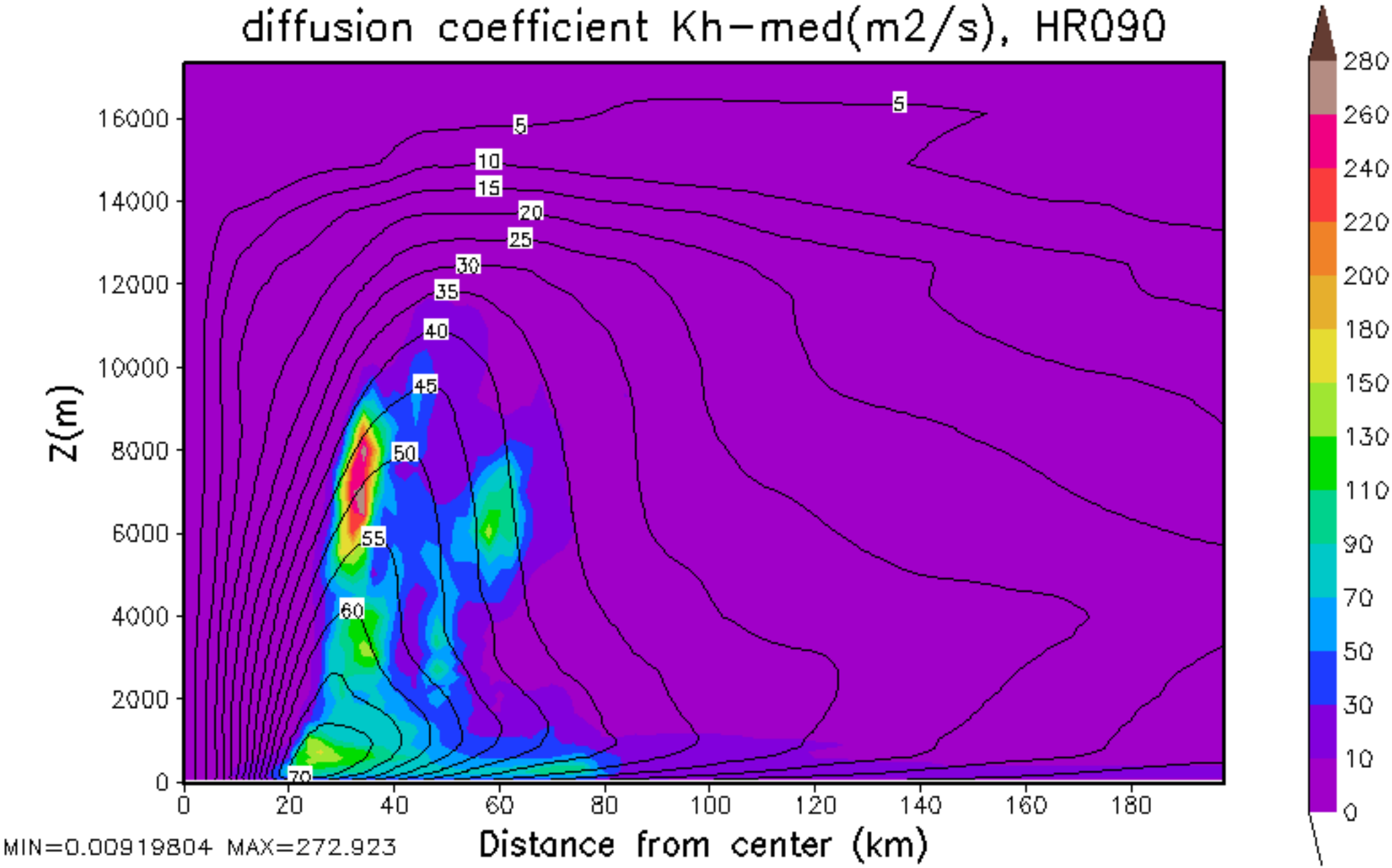

diffusion coefficient Kh-med(m2/s), HR060
Z(m)
Distance from center (km)
MIN=0.00919763 MAX=208.606
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
55
10
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

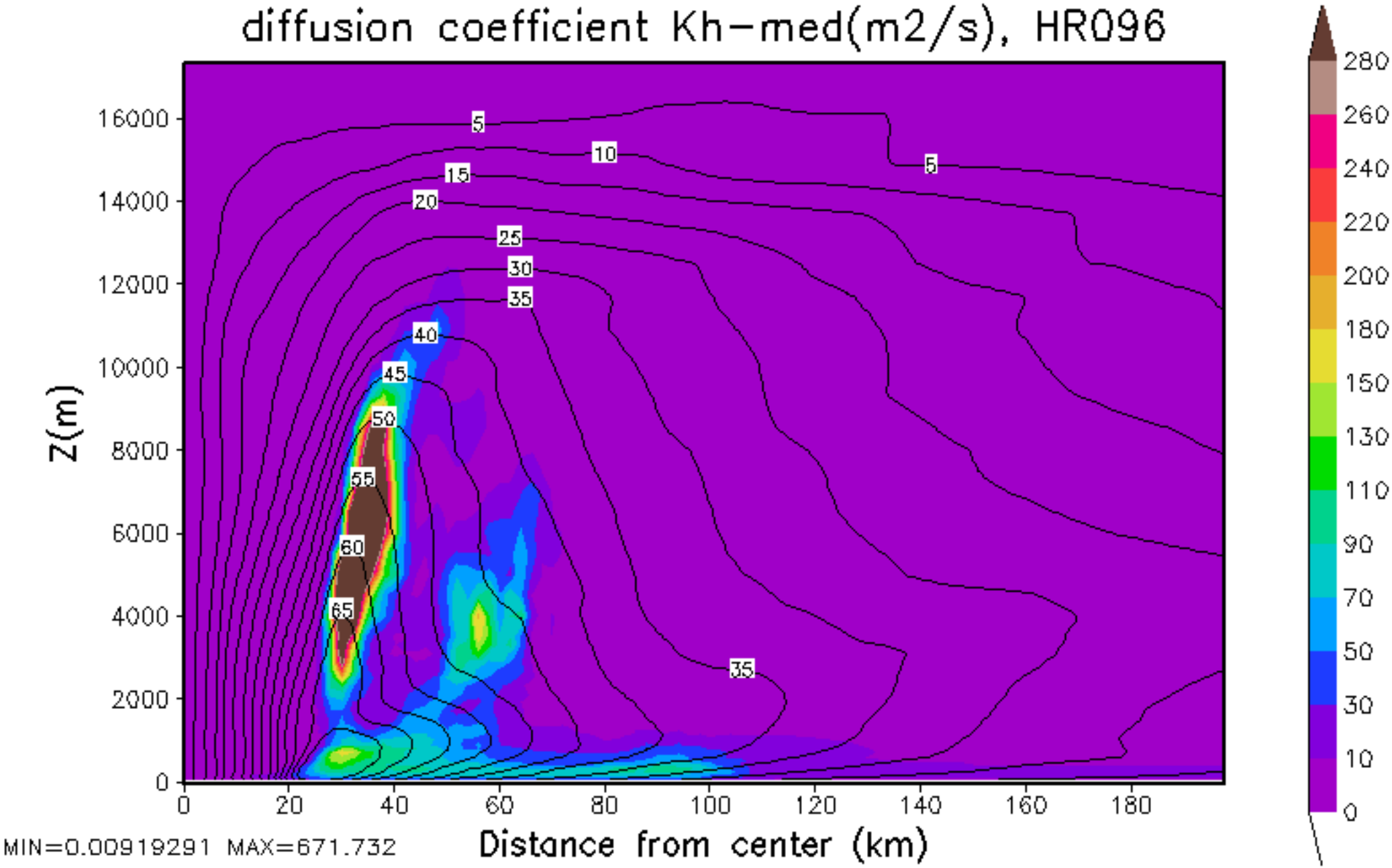

diffusion coefficient Kh-med(m2/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00917805 MAX=319.945

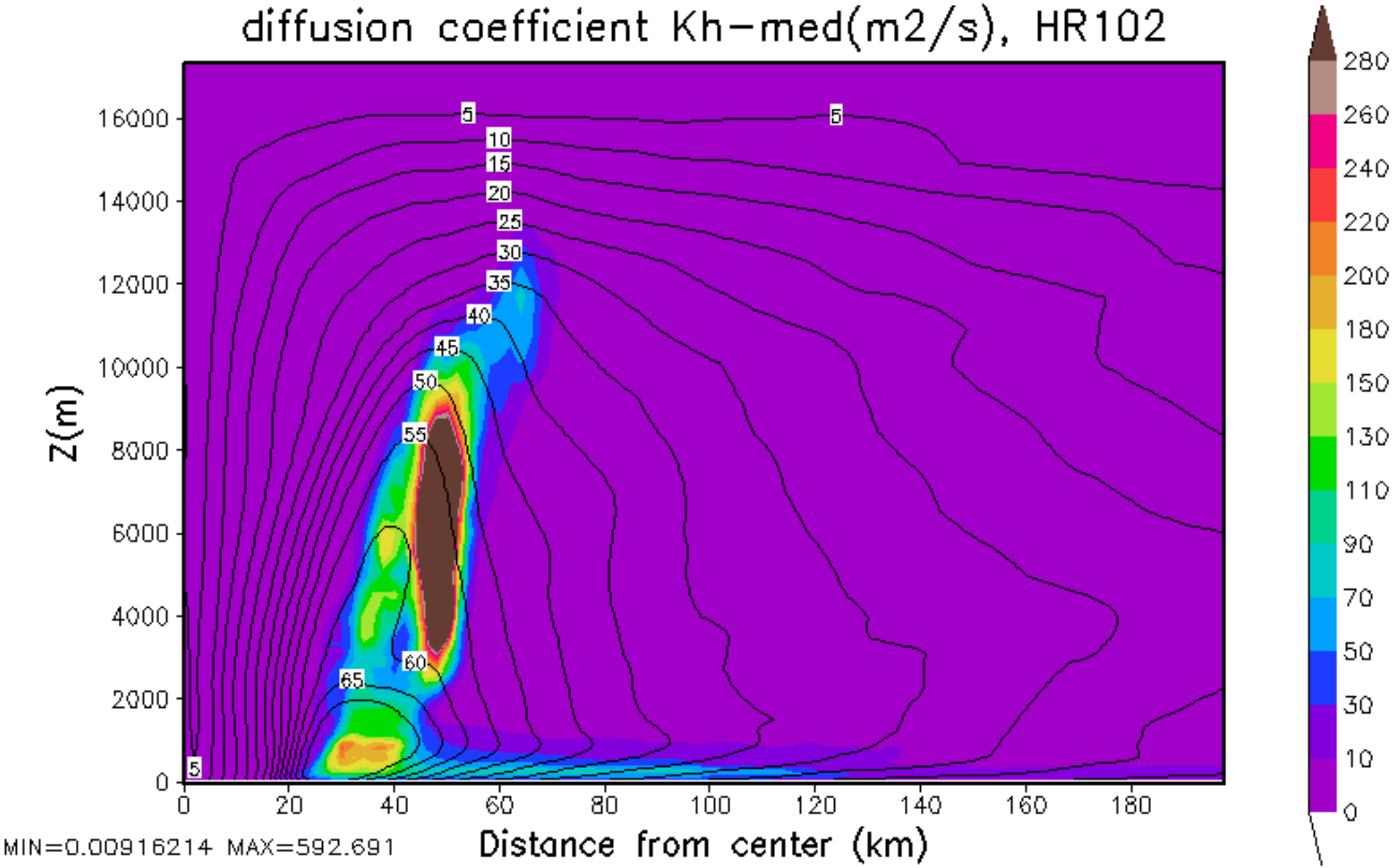

diffusion coefficient Kh-med(m2/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00916473 MAX=235.752
5
10
15
20
25
30
35
40
45
50
55
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

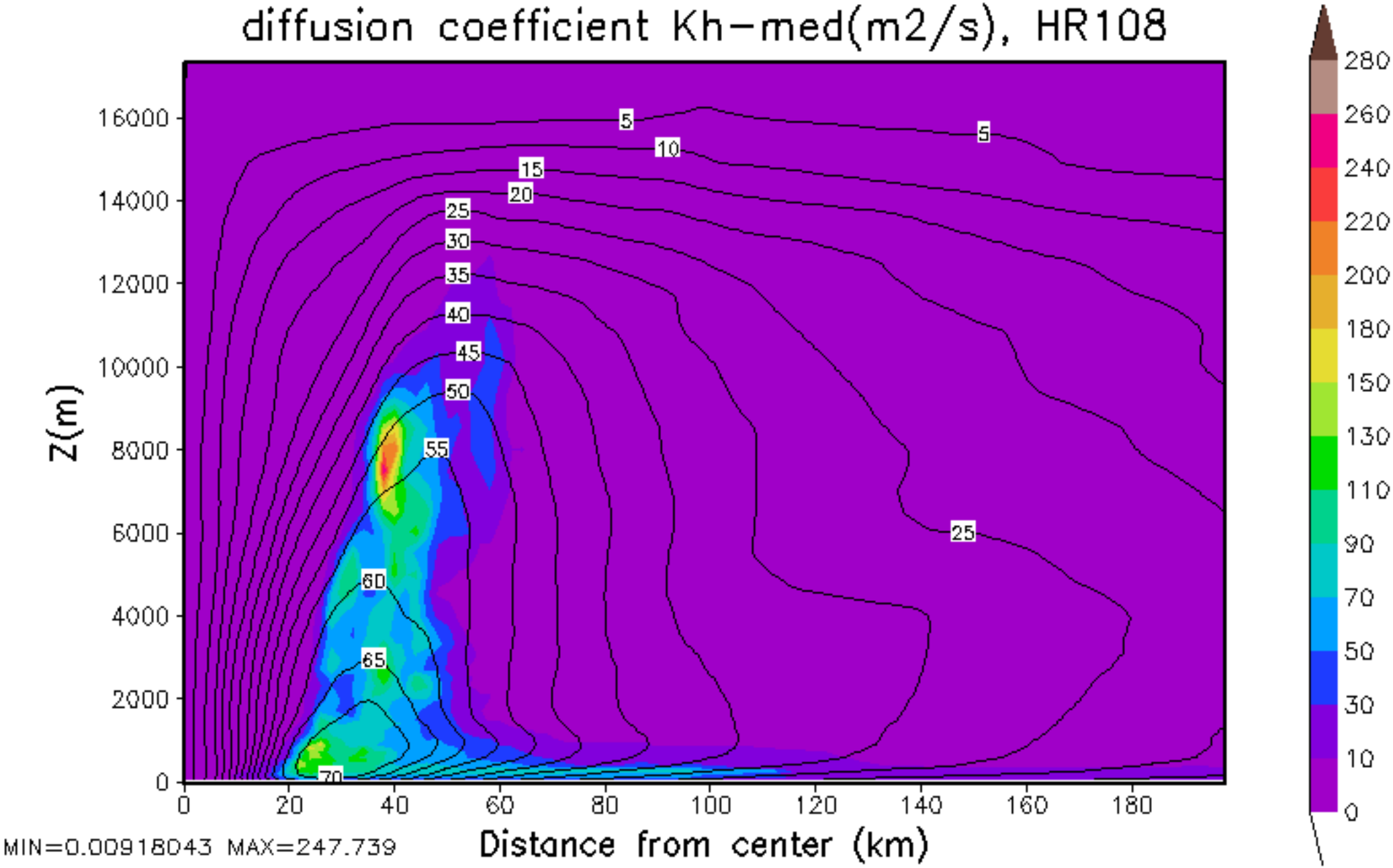

diffusion coefficient Kh-med(m2/s), HR078
Z(m)
Distance from center (km)
MIN=0.00915133 MAX=269.234
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

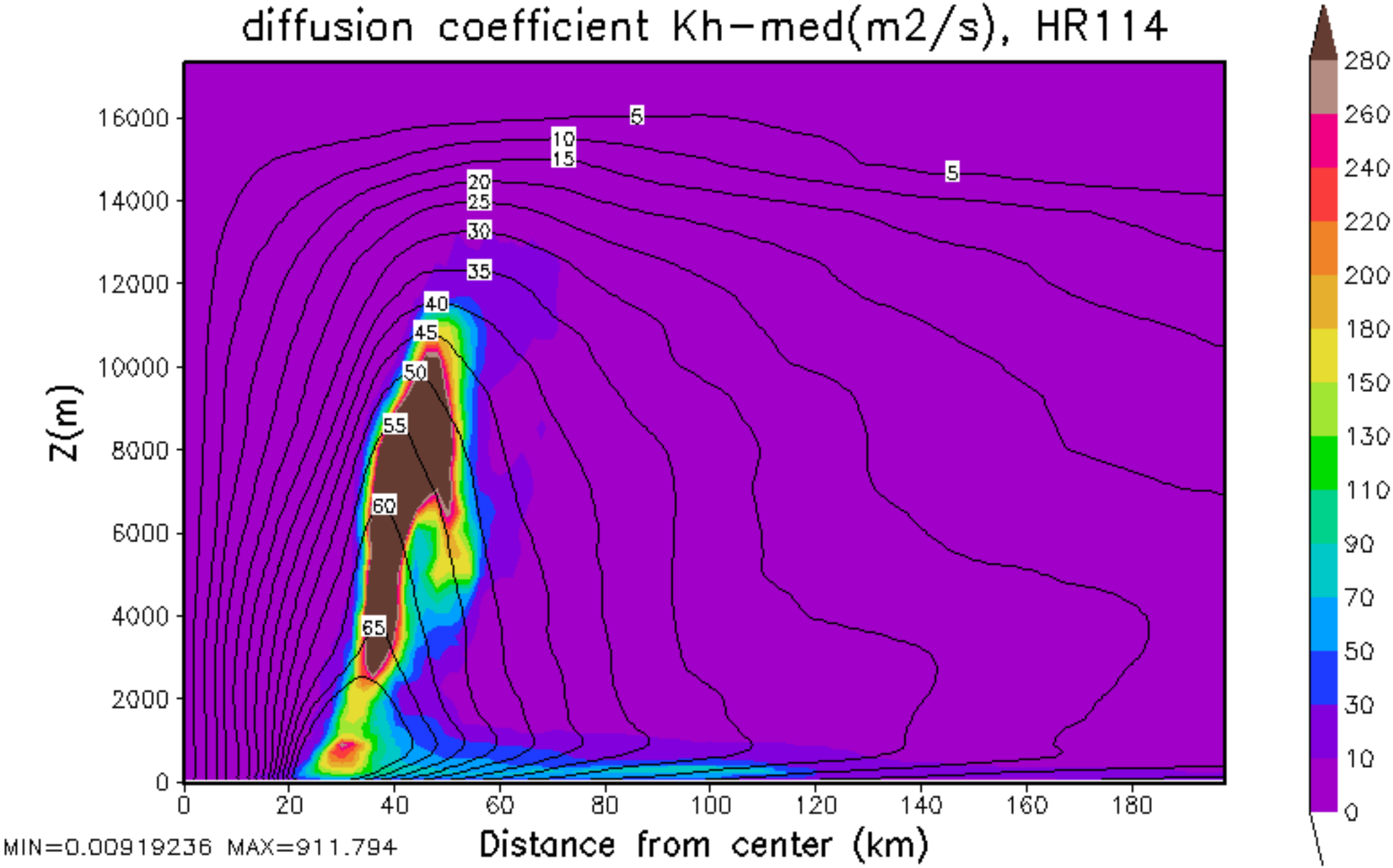

diffusion coefficient Kh-med(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.0091732 MAX=488.738
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

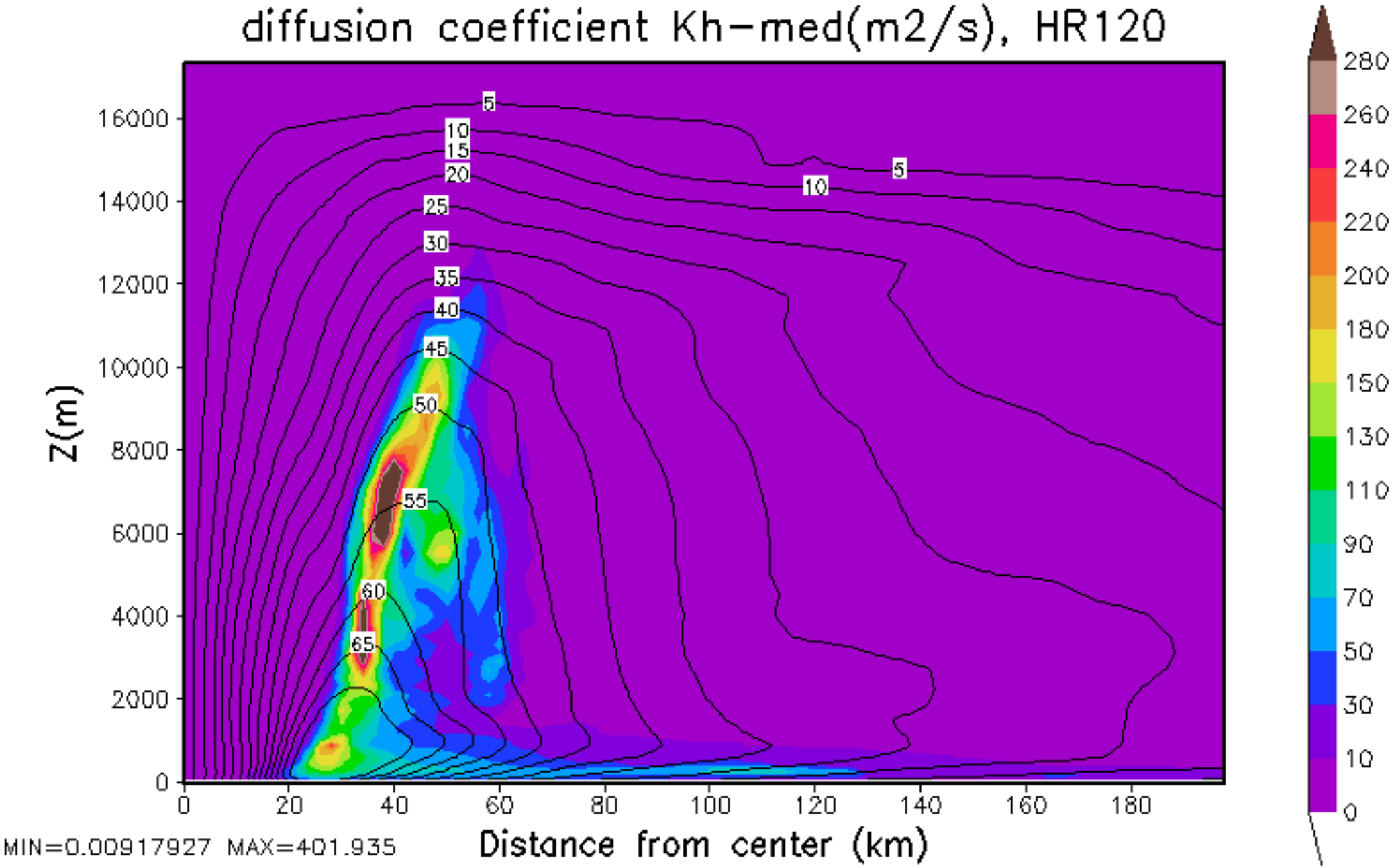

diffusion coefficient Kh-med(m2/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
70
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00919804 MAX=272.923

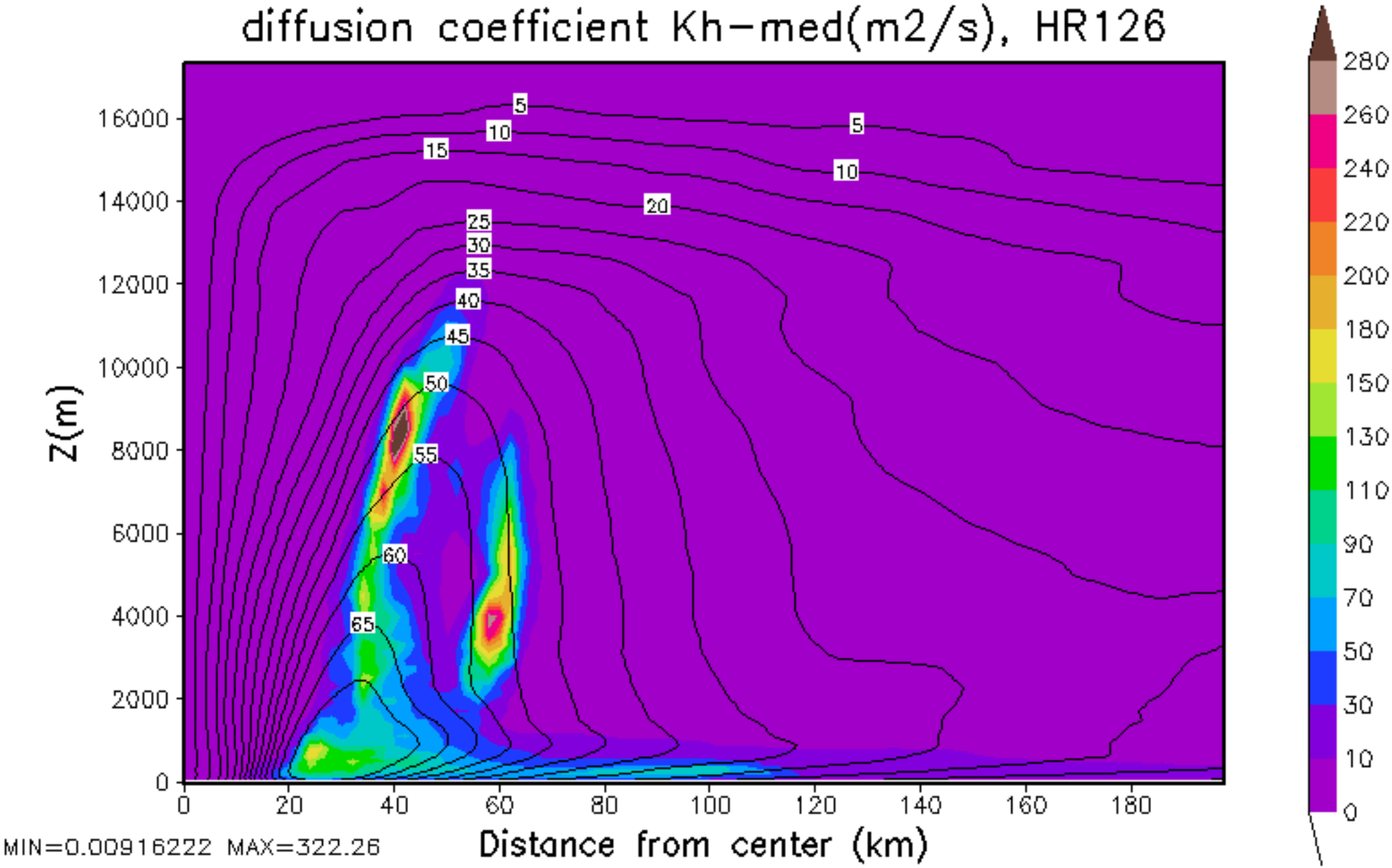

diffusion coefficient Kh-med(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00919291 MAX=671.732
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
35
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

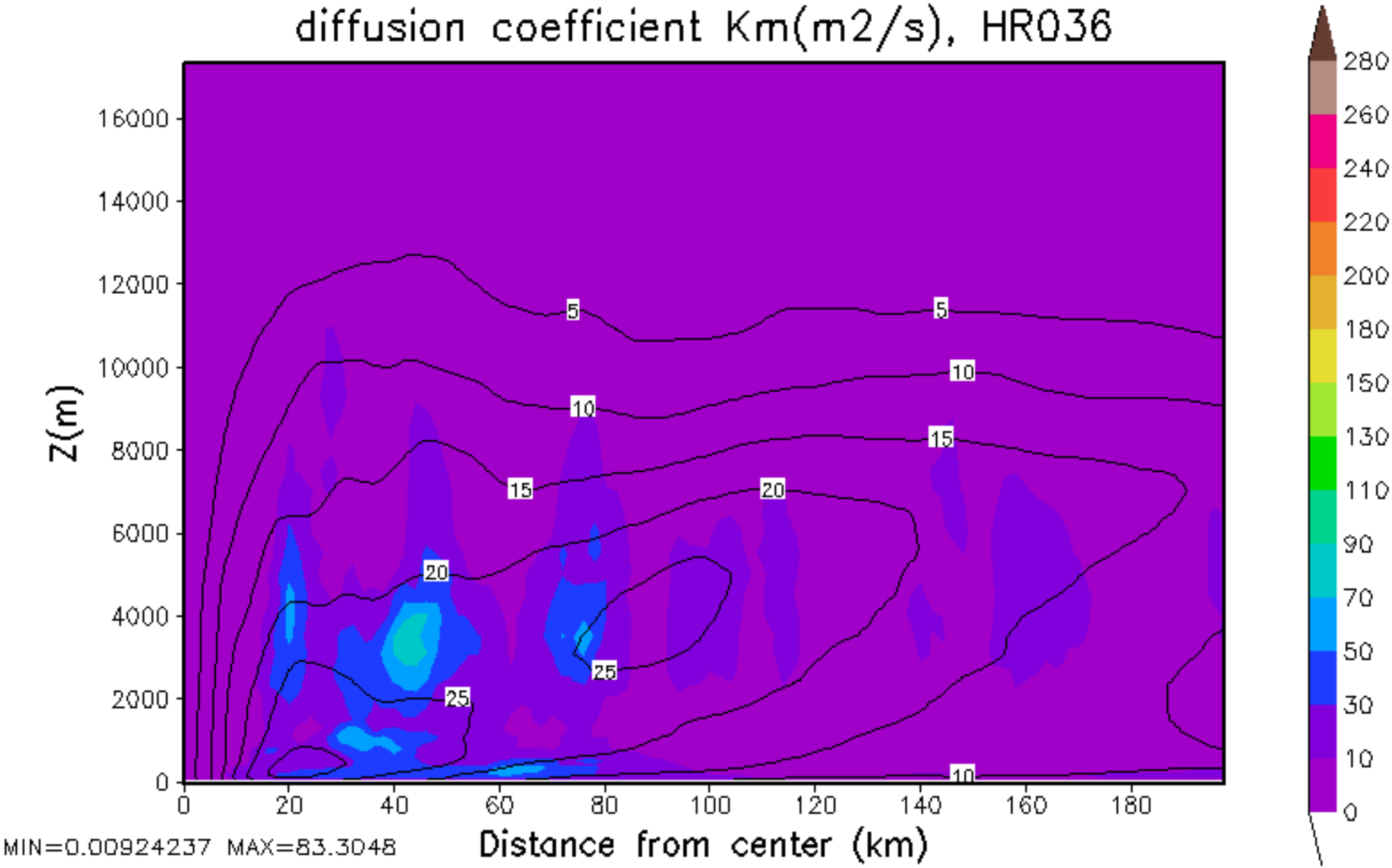

diffusion coefficient Kh-med(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00916214 MAX=592.691
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
0
10
30
50
70
90
110
130
150
180
200
220
240
260
280

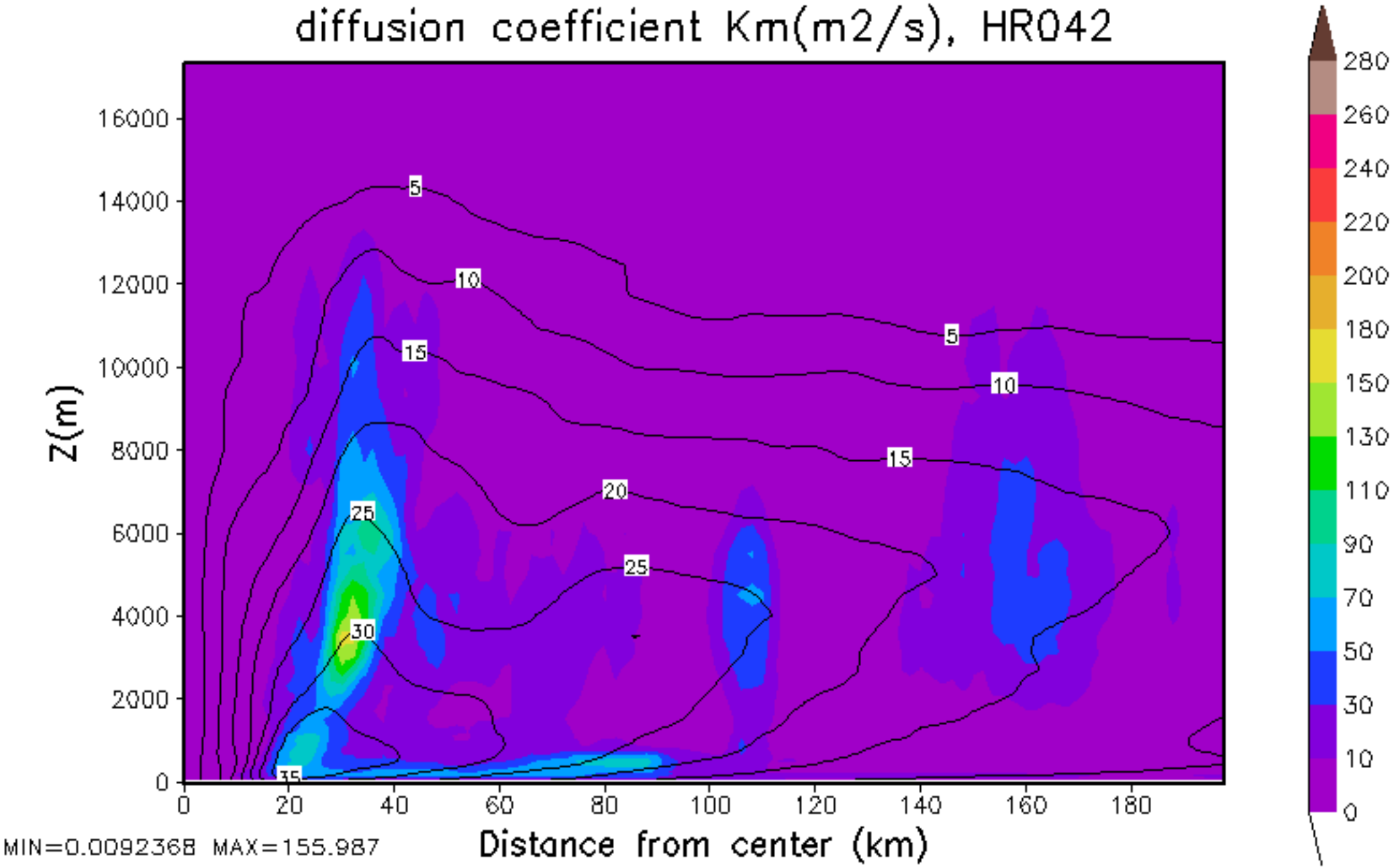

diffusion coefficient Kh-med(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00918043 MAX=247.739
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
70
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

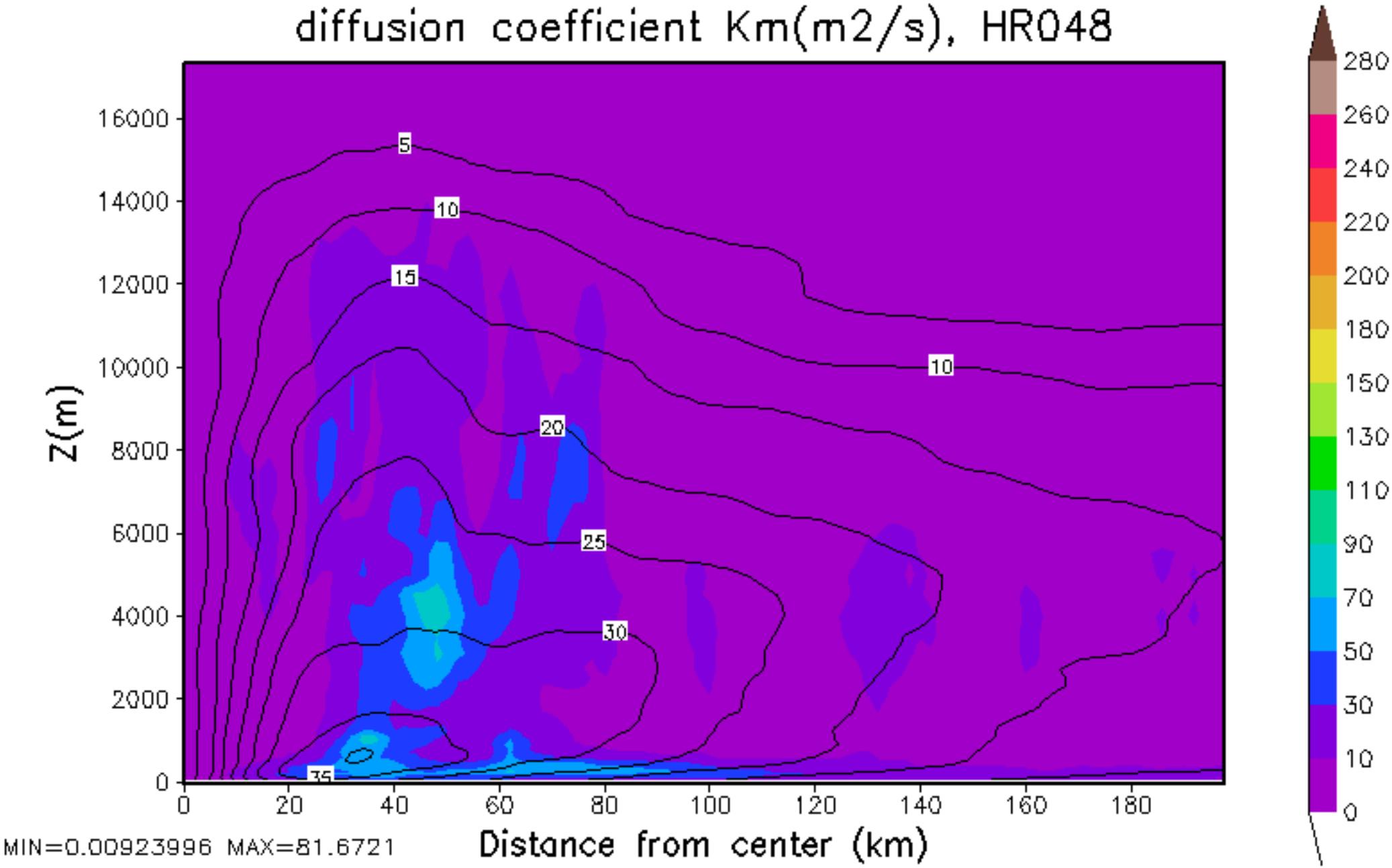

diffusion coefficient Kh-med(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00919236 MAX=911.794
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

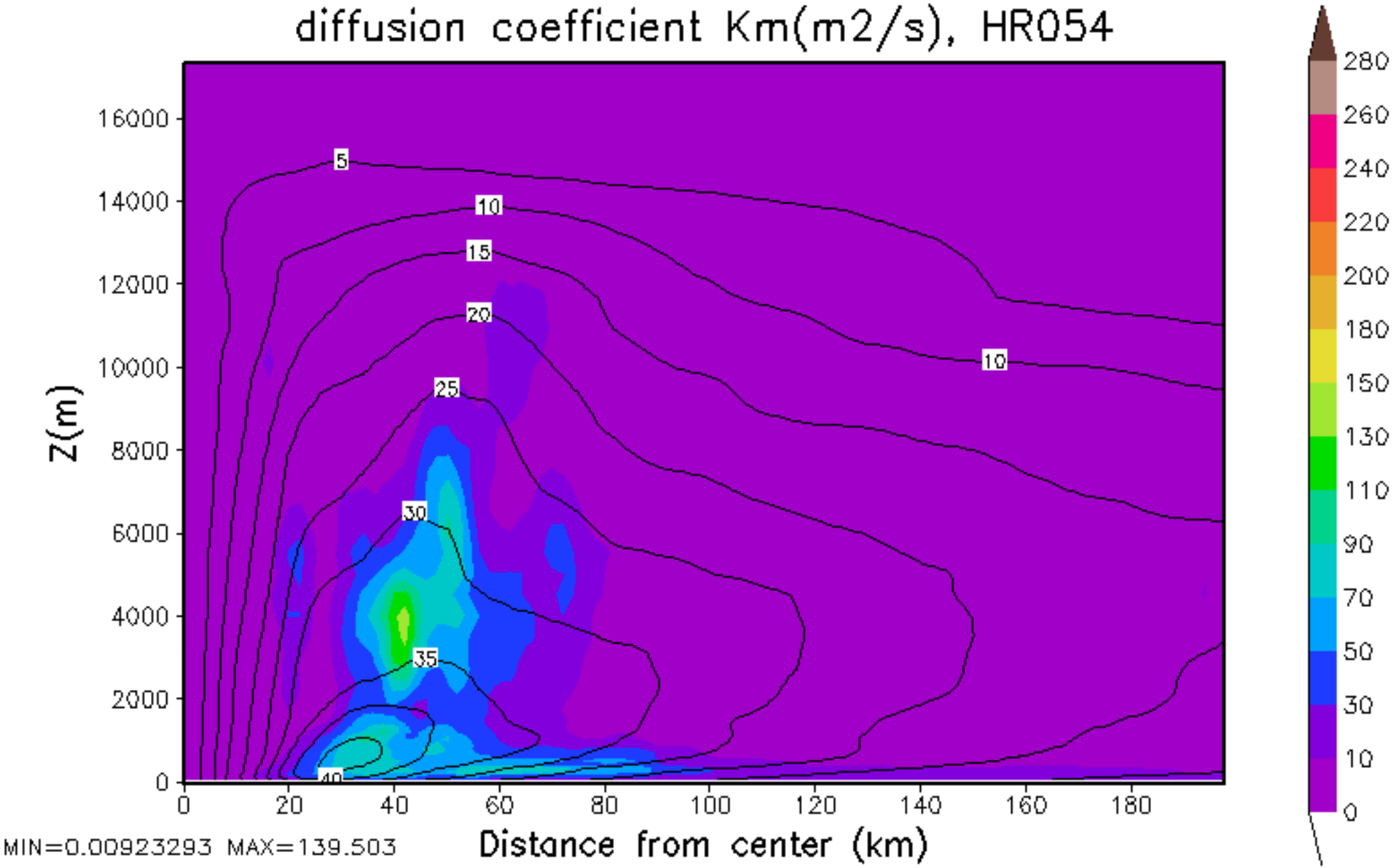

diffusion coefficient Kh-med(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00917927 MAX=401.935
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
5
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

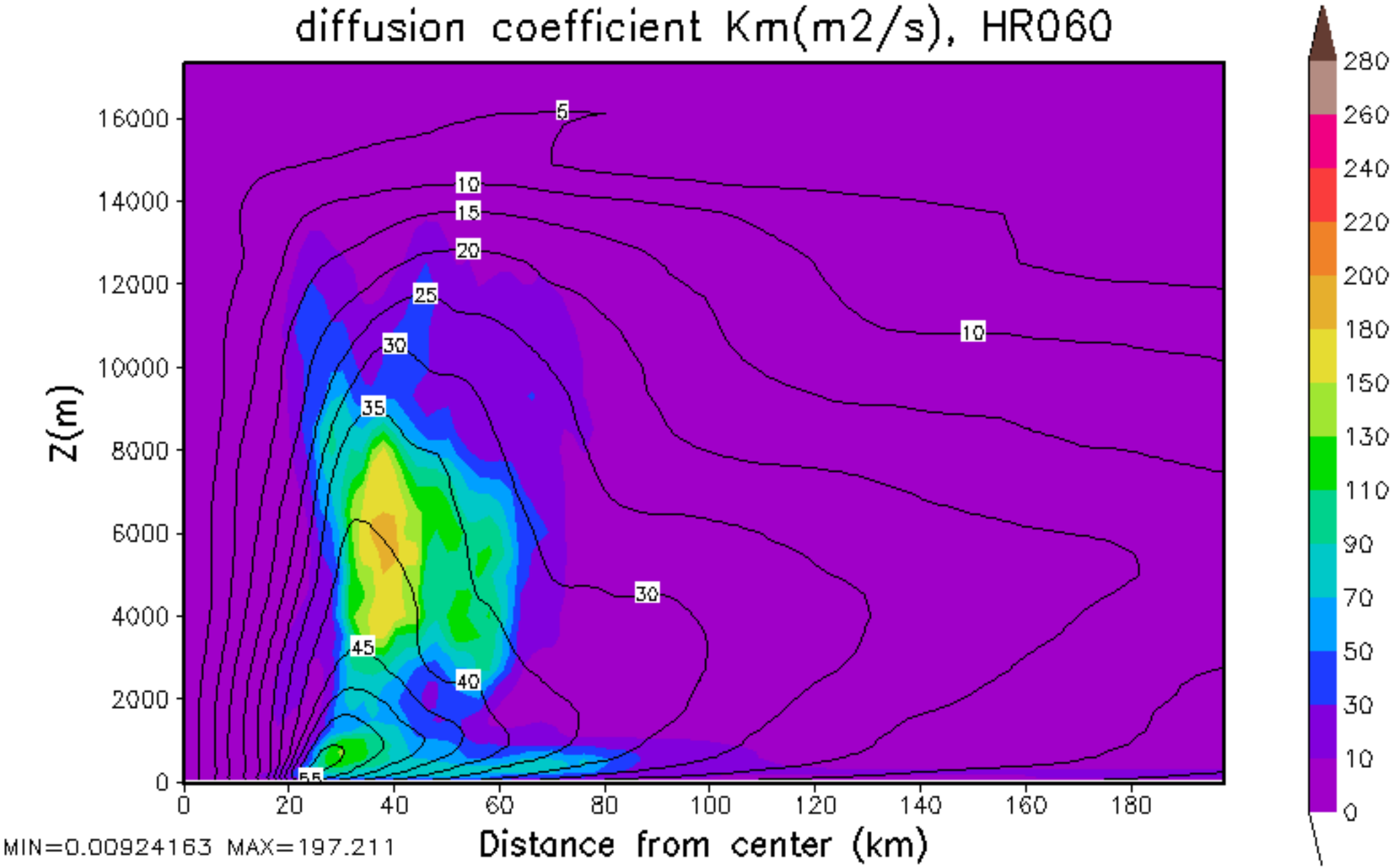

diffusion coefficient Kh-med(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00916222 MAX=322.26
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

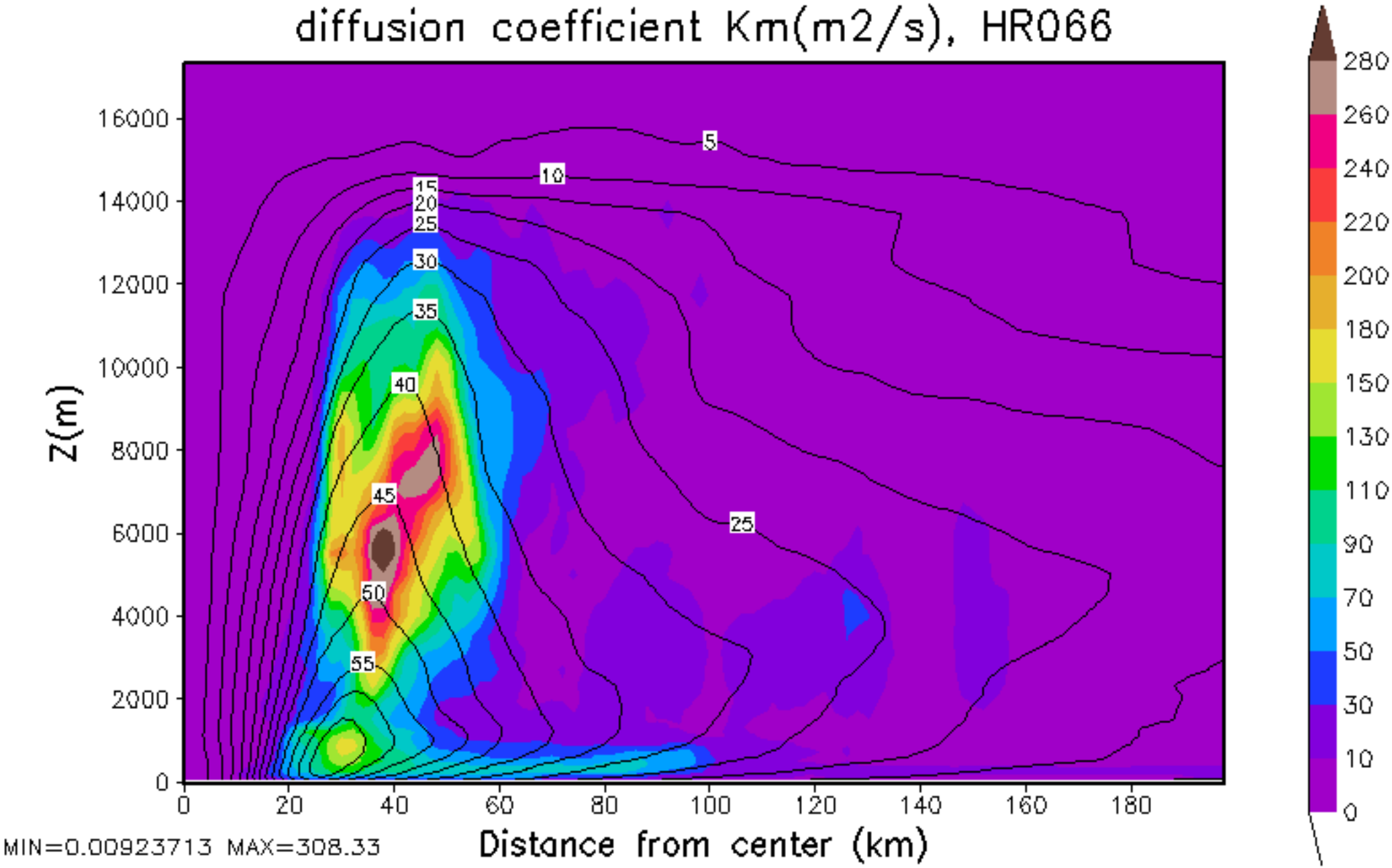

diffusion coefficient Km(m2/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
MIN=0.00924237 MAX=83.3048
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

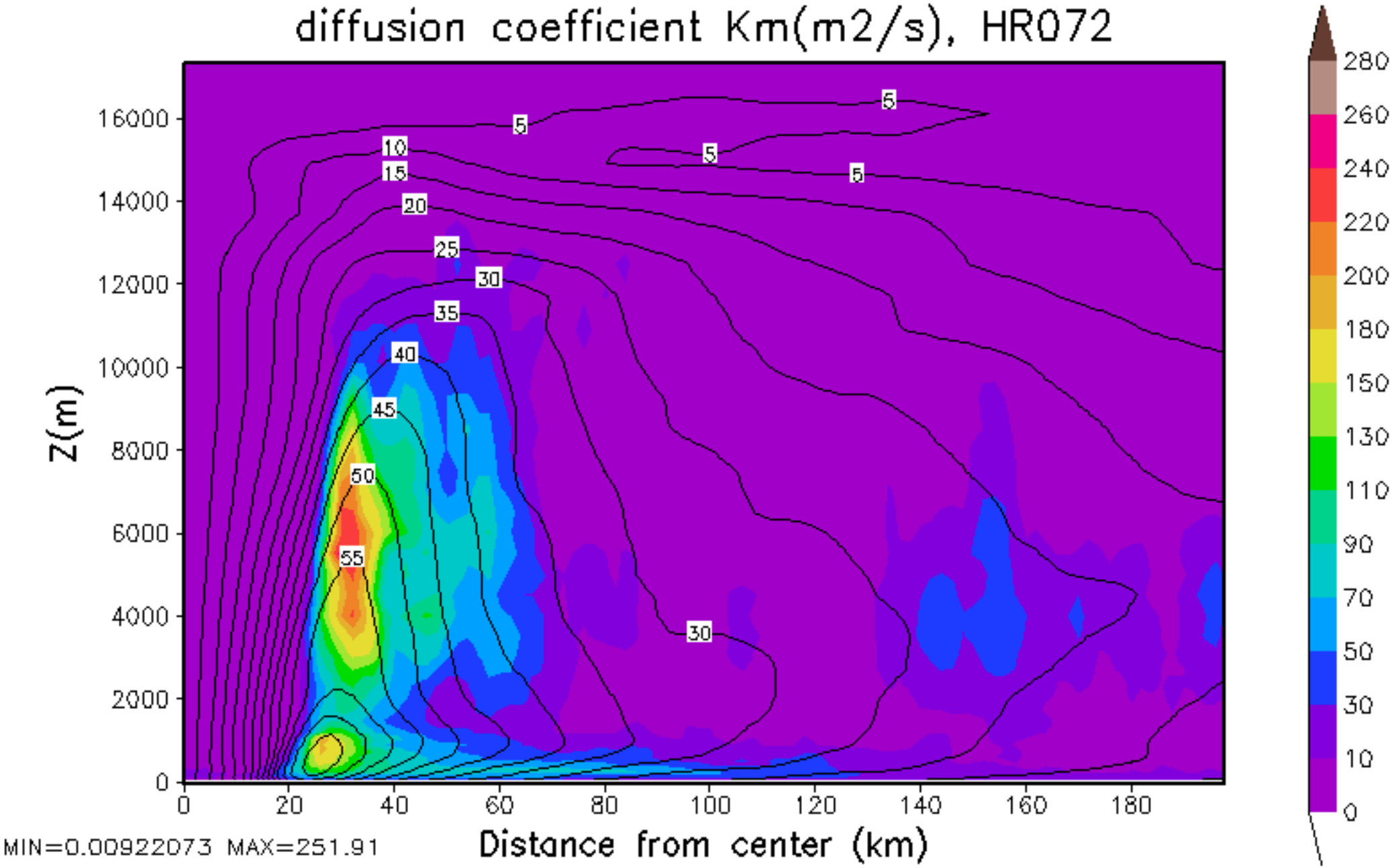

diffusion coefficient Km(m2/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.0092368 MAX=155.987

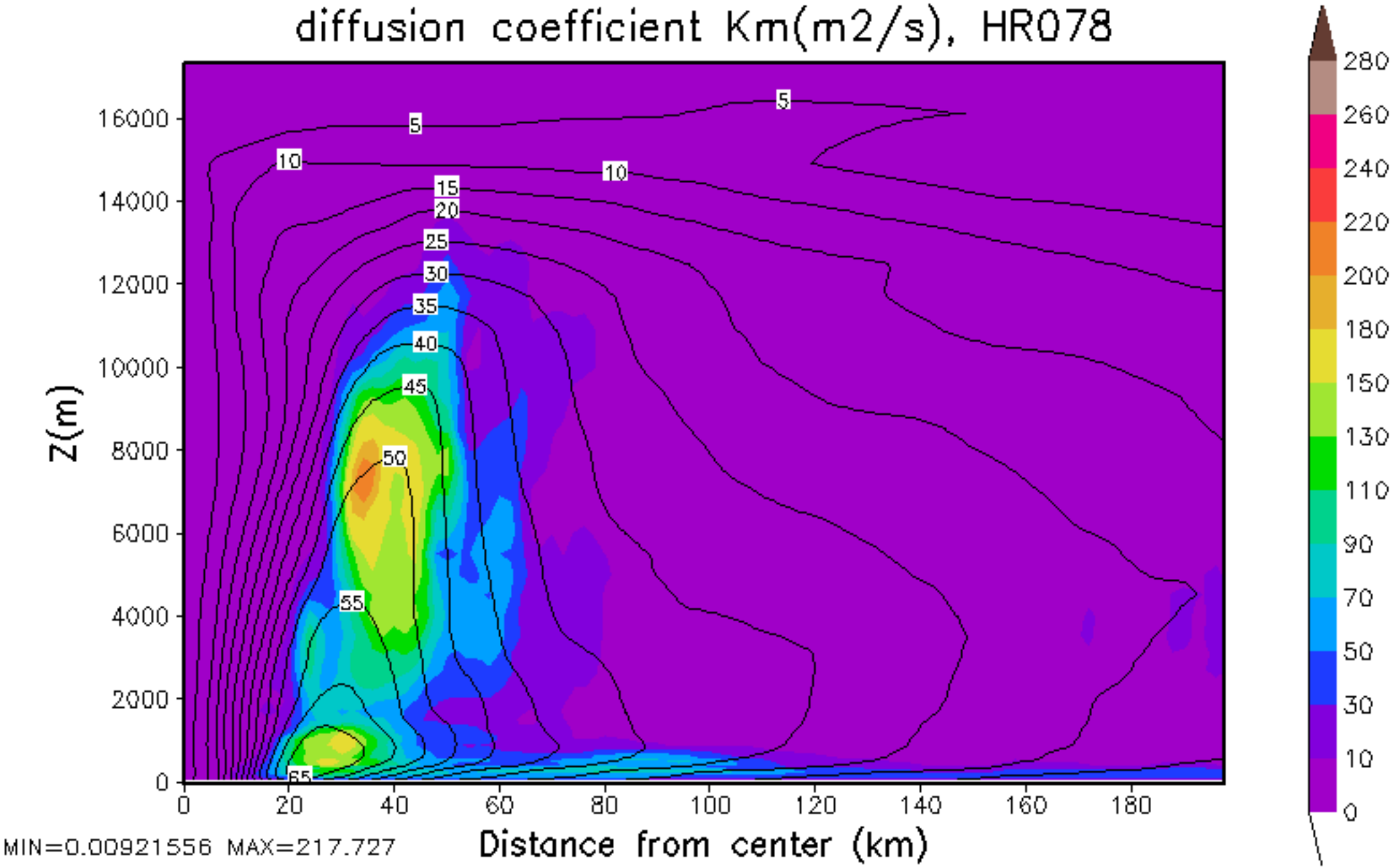

diffusion coefficient Km(m2/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923996 MAX=81.6721

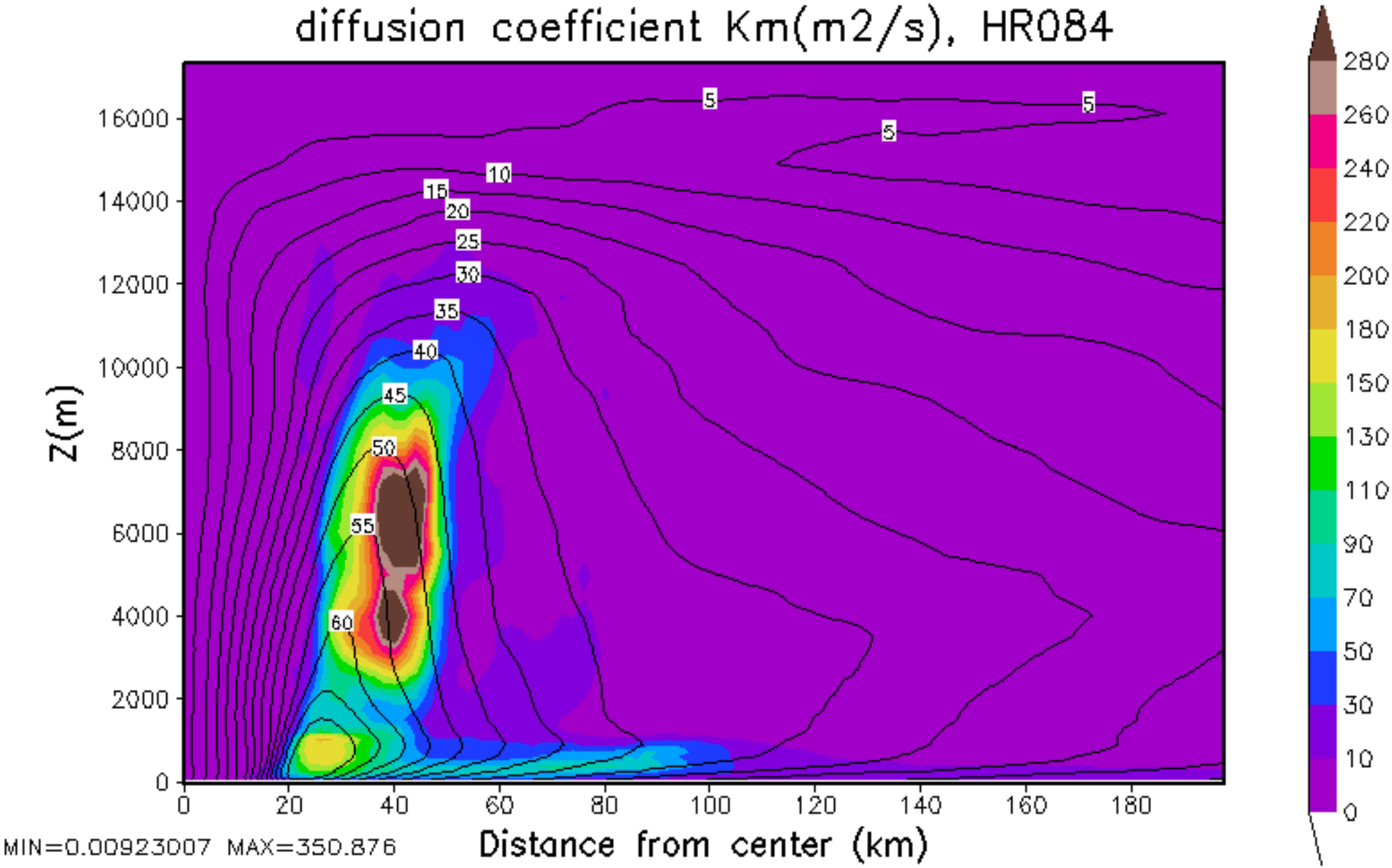

diffusion coefficient Km(m2/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923293 MAX=139.503

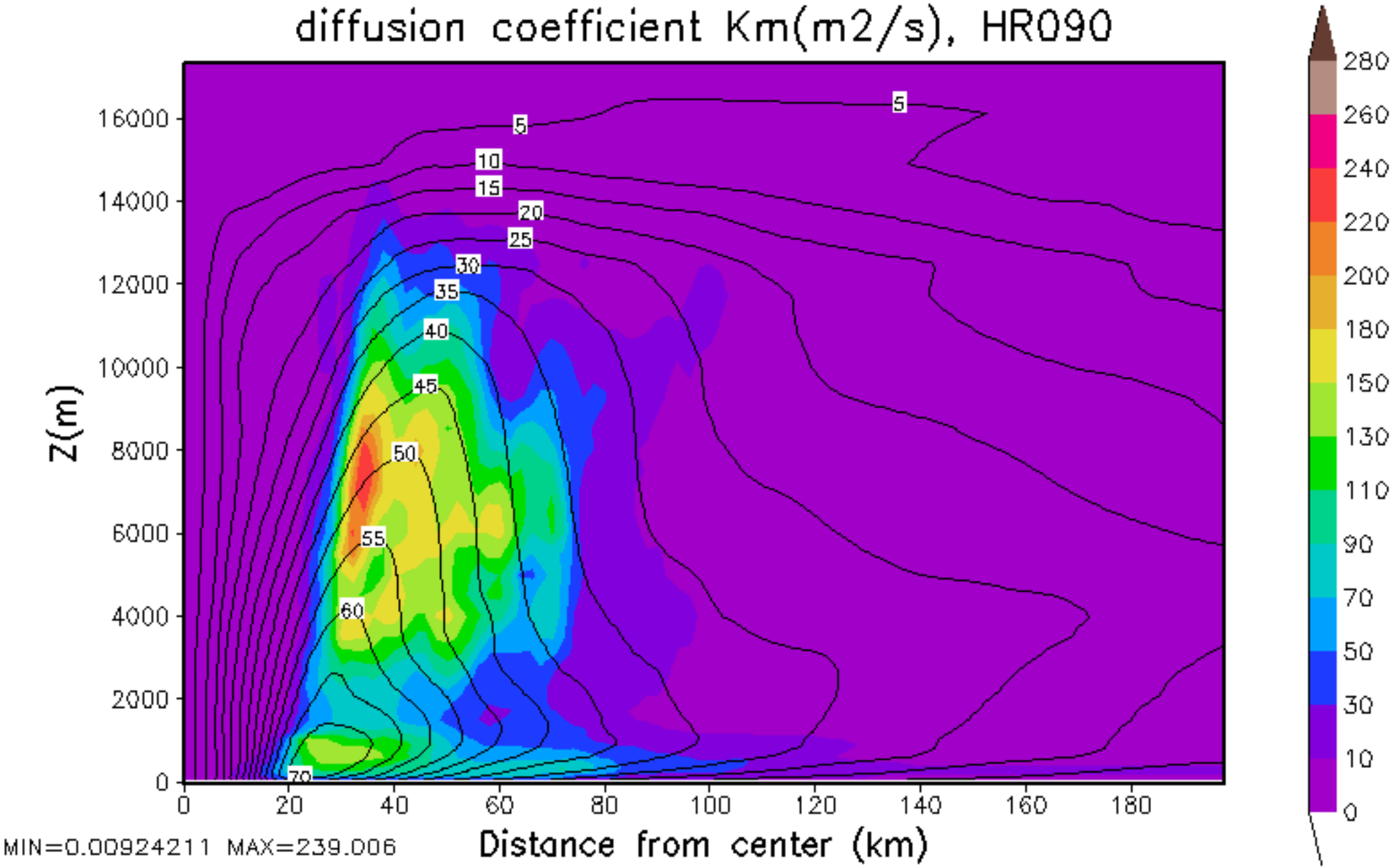

diffusion coefficient Km(m2/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
45
40
30
10
MIN=0.00924163 MAX=197.211
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

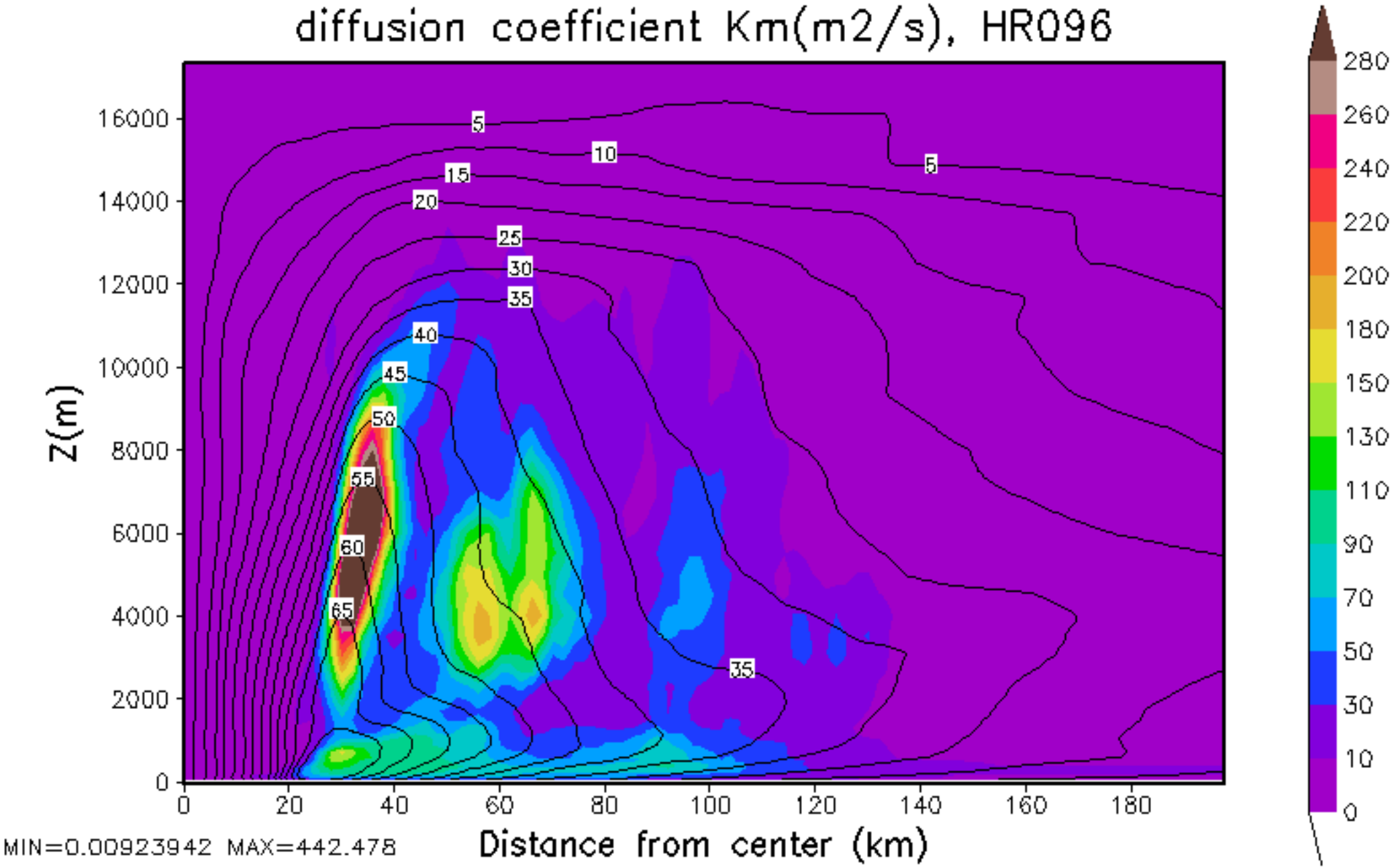

diffusion coefficient Km(m2/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923713 MAX=308.33

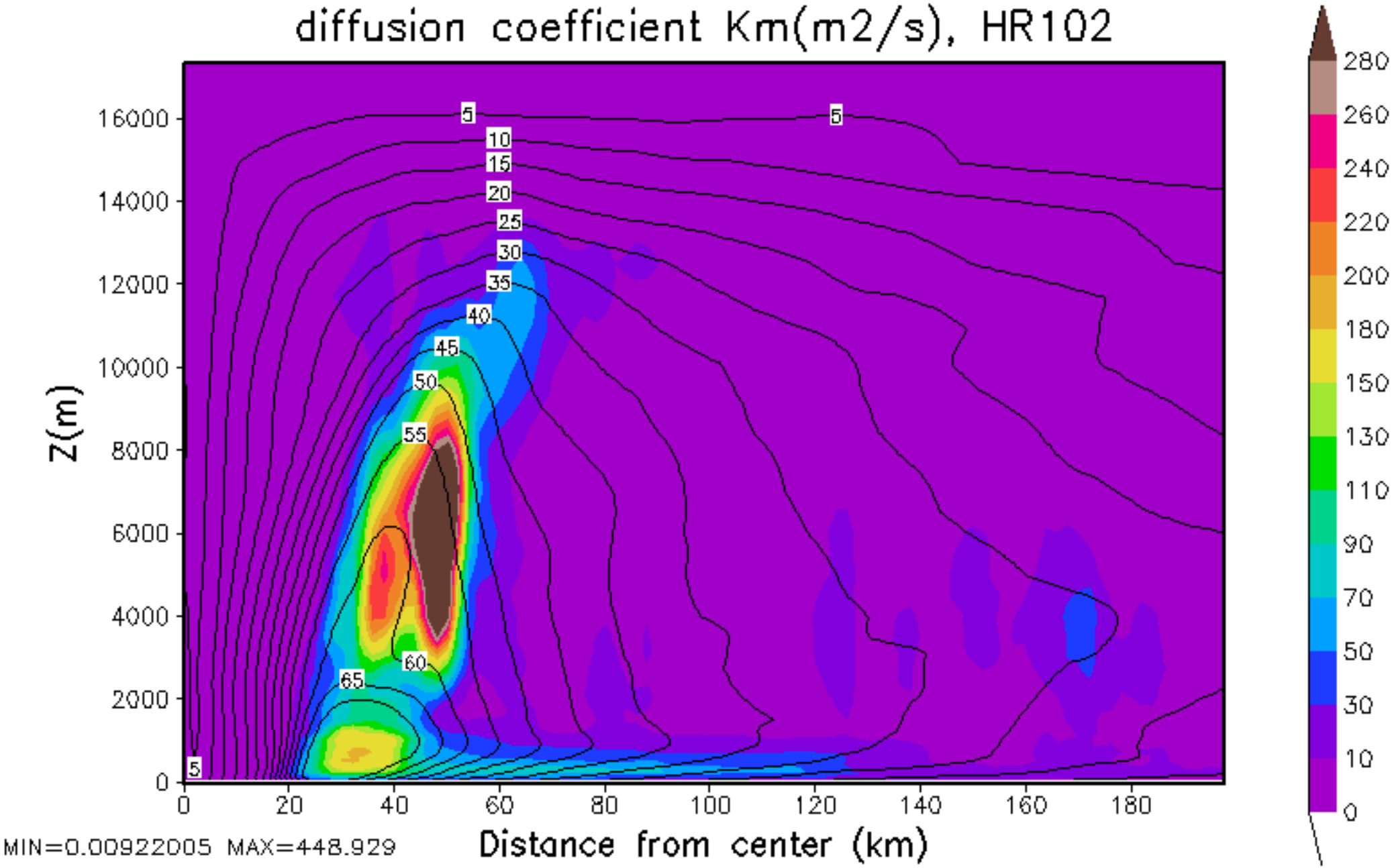

diffusion coefficient Km(m2/s), HR072
Z(m)
Distance from center (km)
MIN=0.00922073 MAX=251.91
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

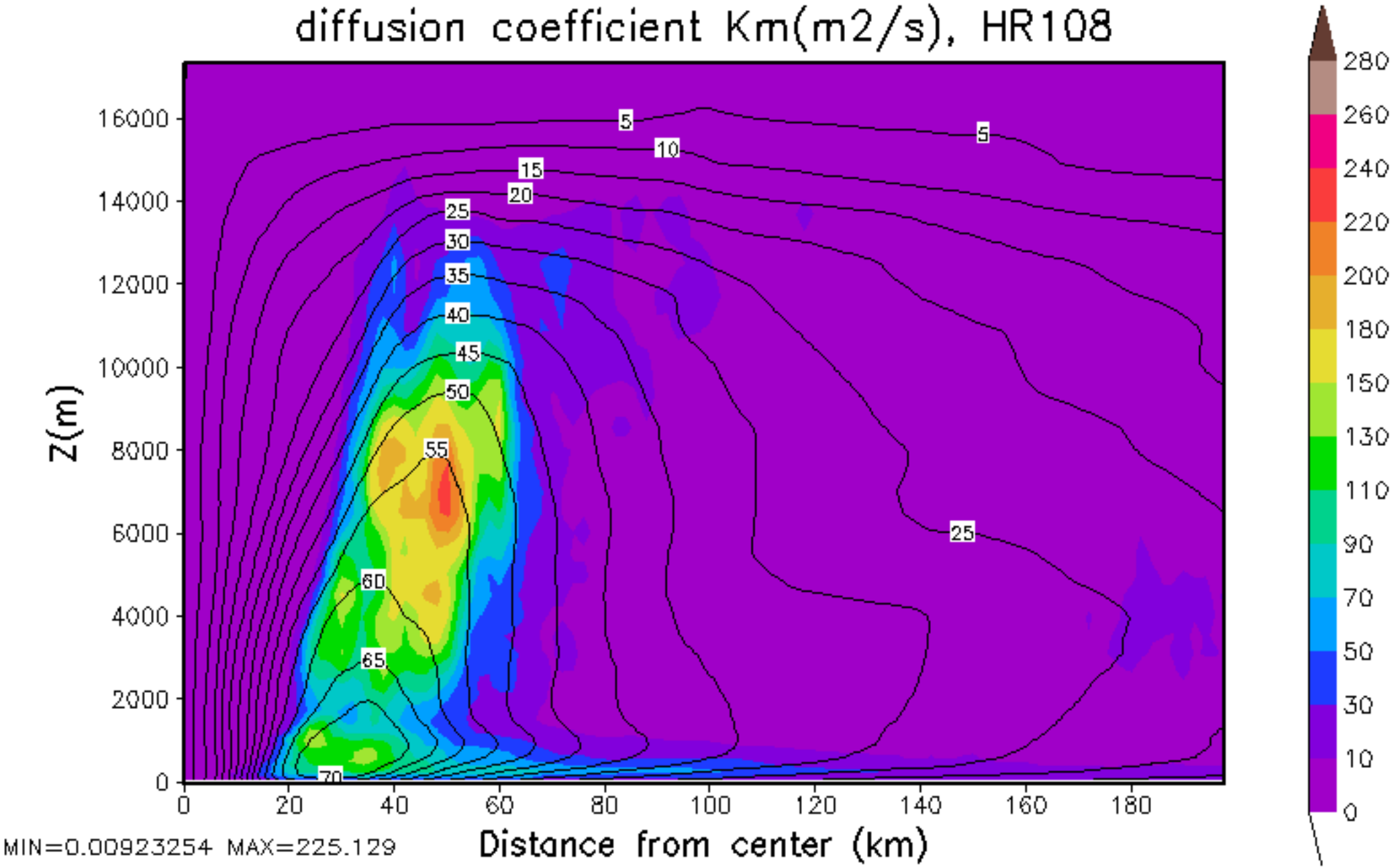

diffusion coefficient Km(m2/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00921556 MAX=217.727

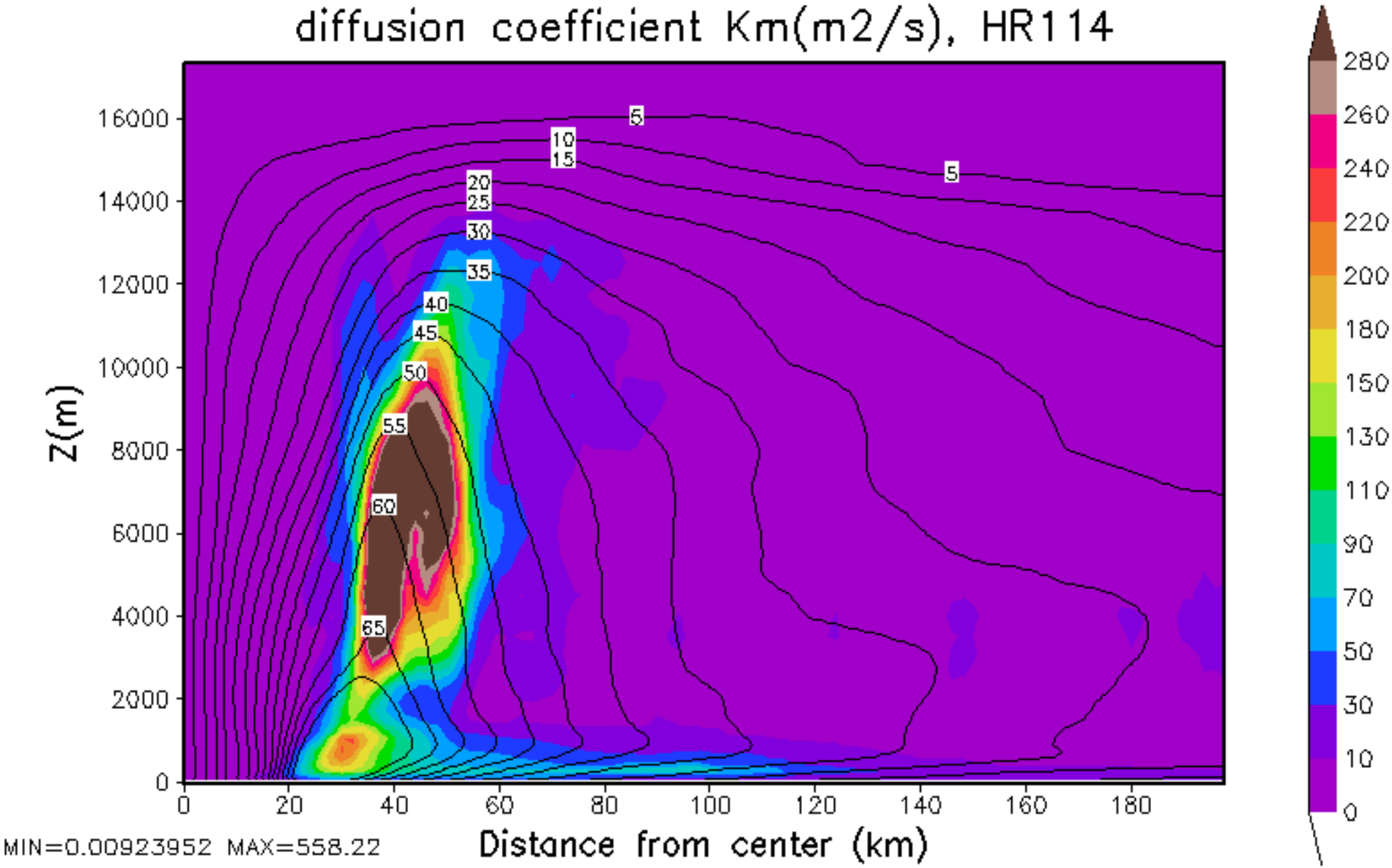

diffusion coefficient Km(m2/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
5
10
15
20
25
30
35
40
45
50
55
60
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923007 MAX=350.876

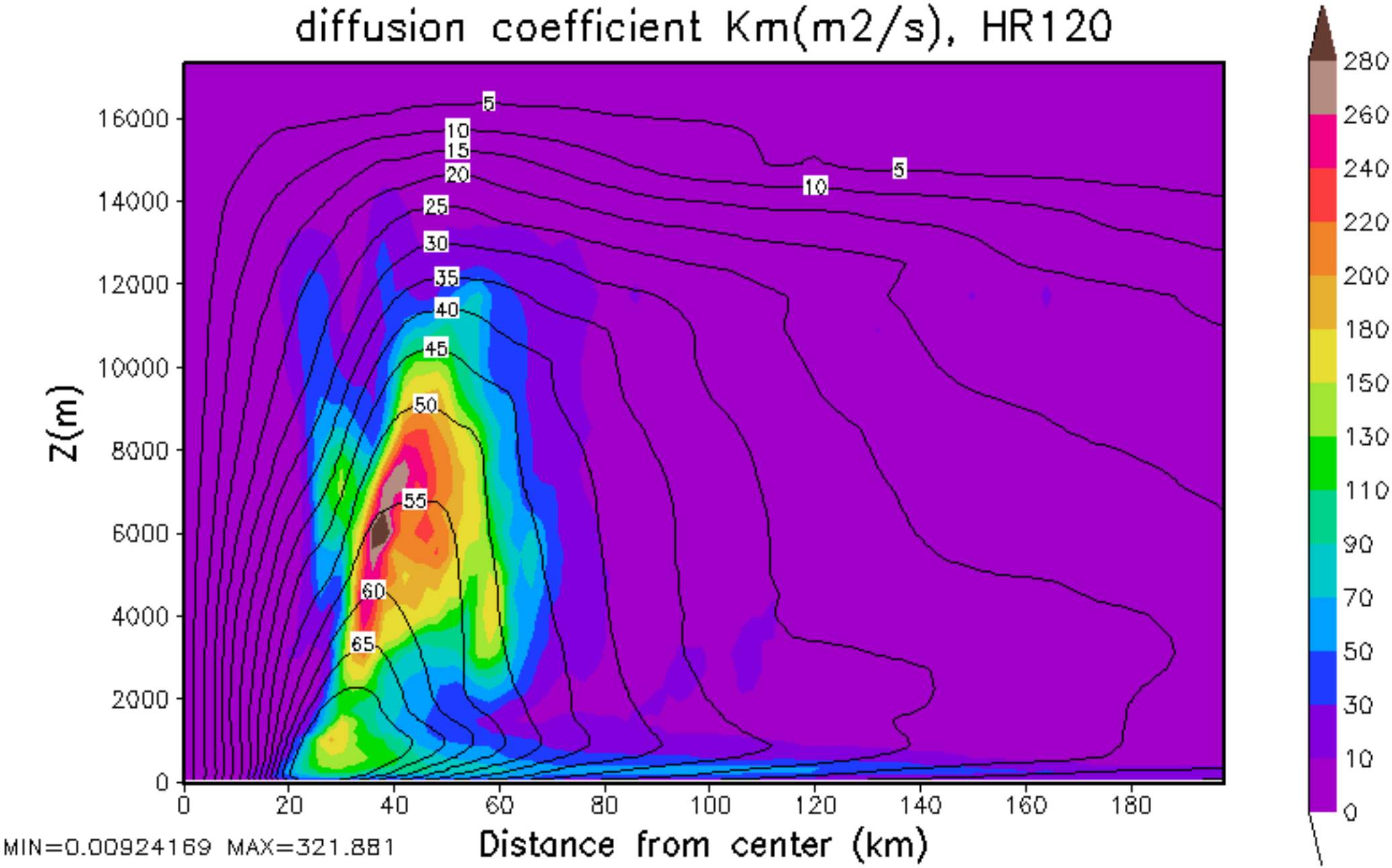

diffusion coefficient Km(m2/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
70
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00924211 MAX=239.006

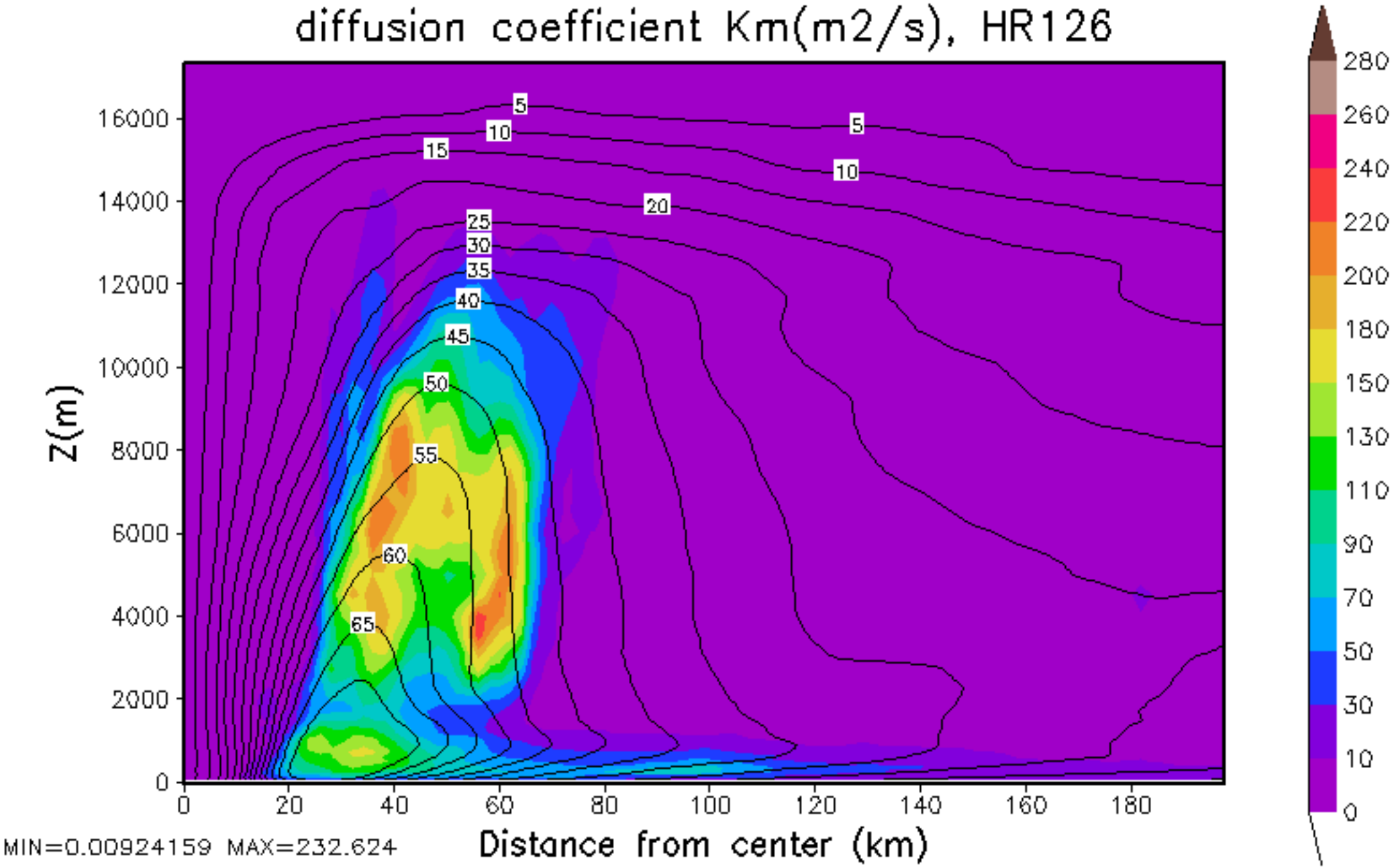

diffusion coefficient Km(m2/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
35
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923942 MAX=442.478

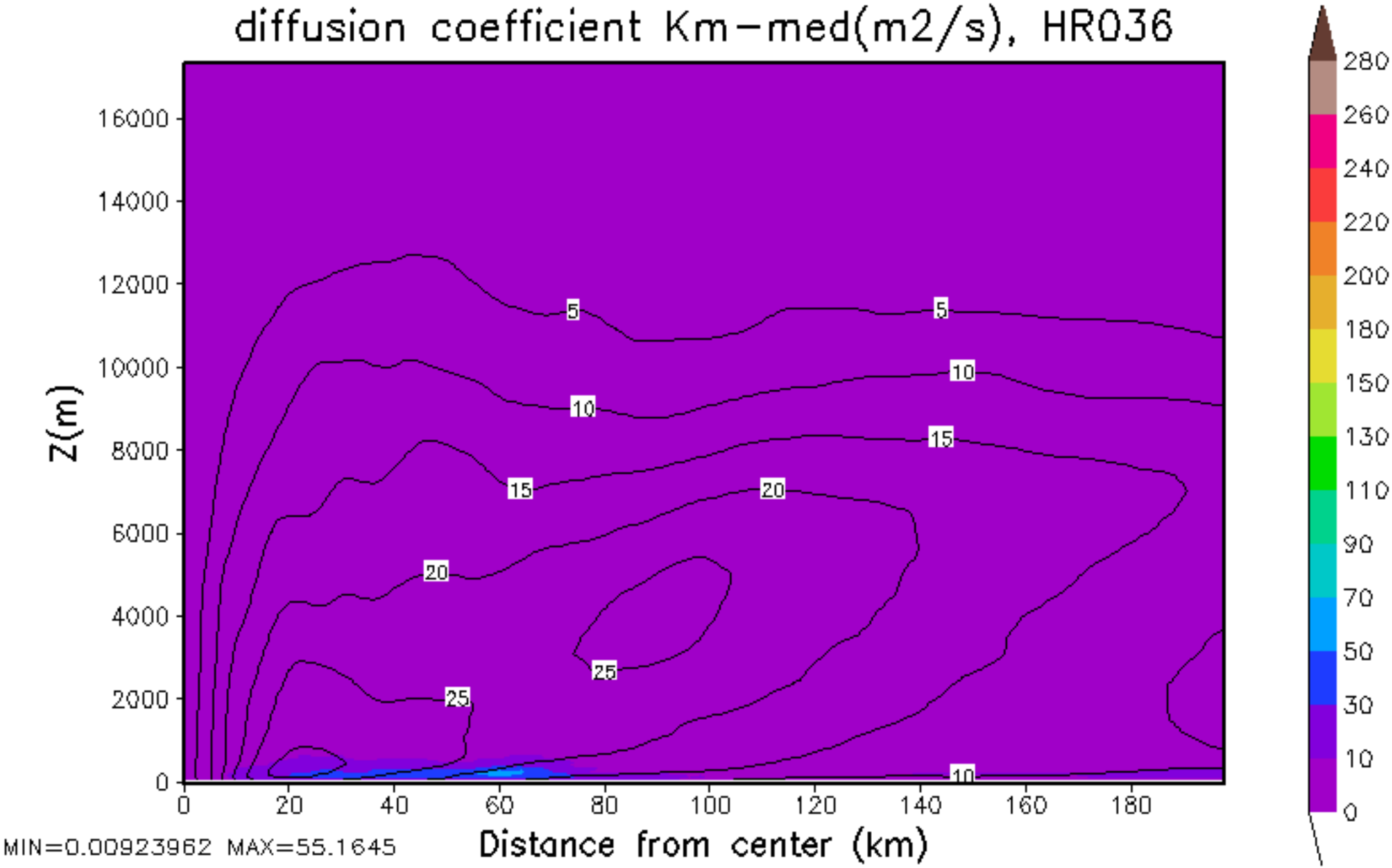

diffusion coefficient Km(m2/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
5
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00922005 MAX=448.929

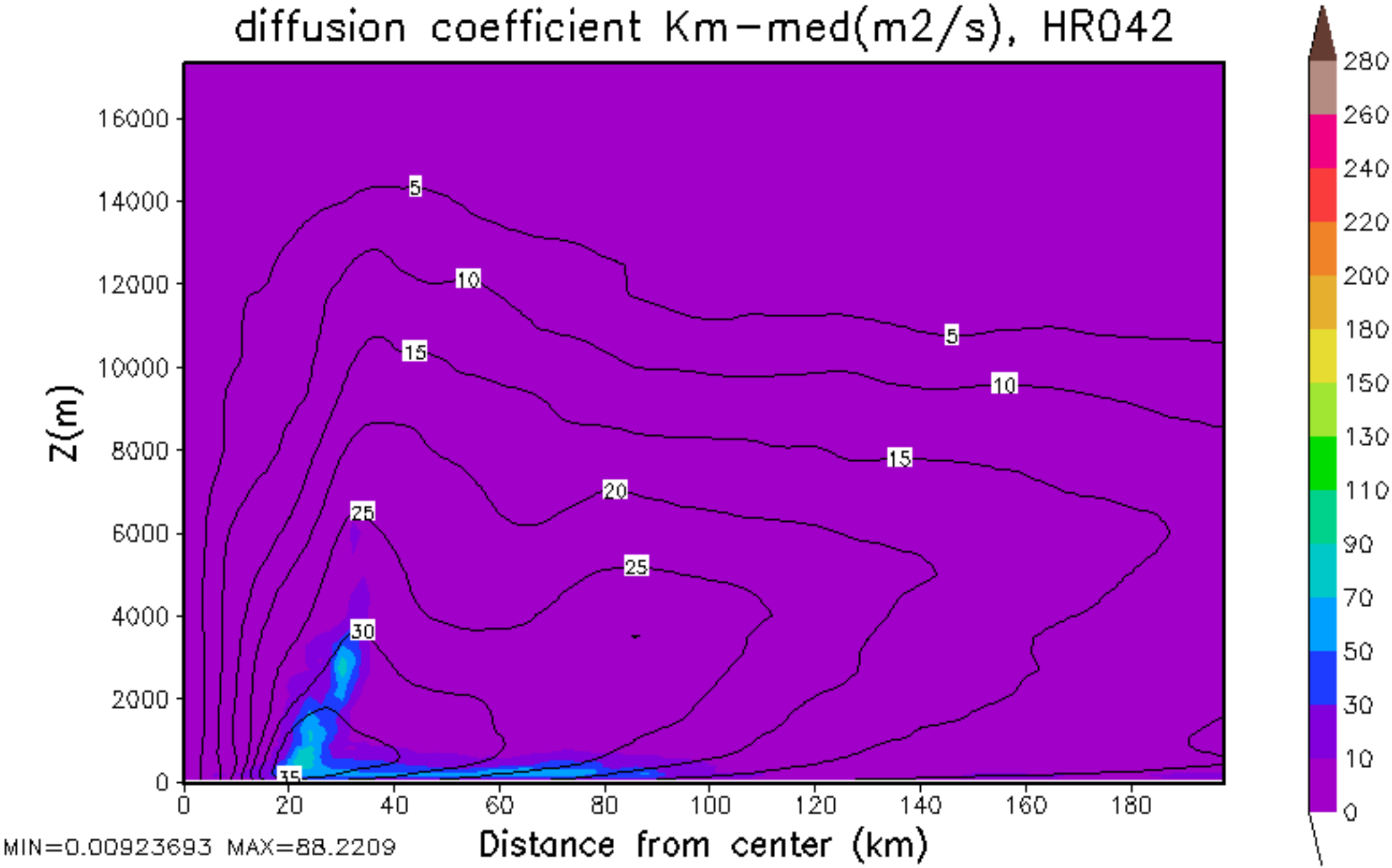

diffusion coefficient Km(m2/s), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
5
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923254 MAX=225.129

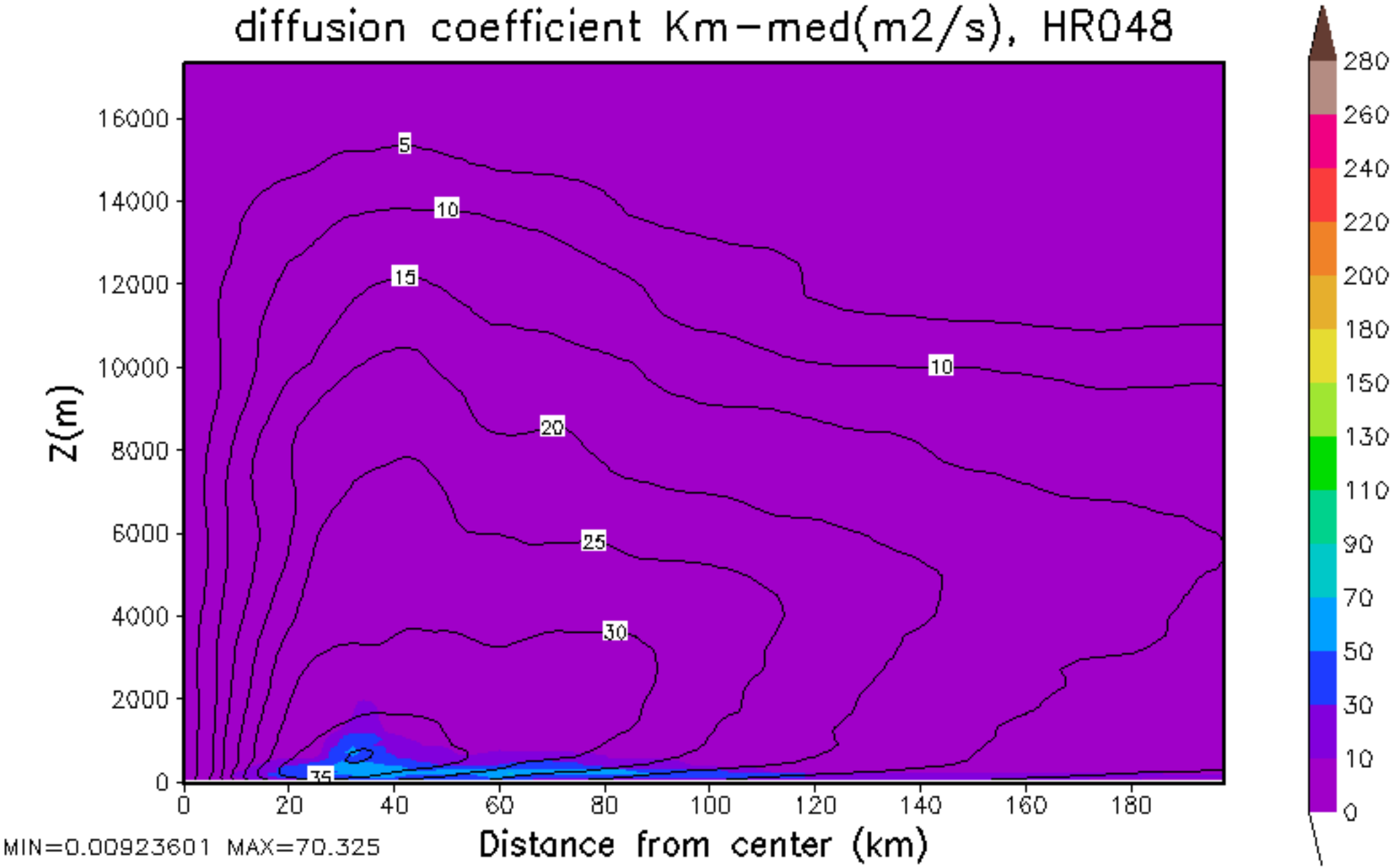

diffusion coefficient Km(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00923952 MAX=558.22
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

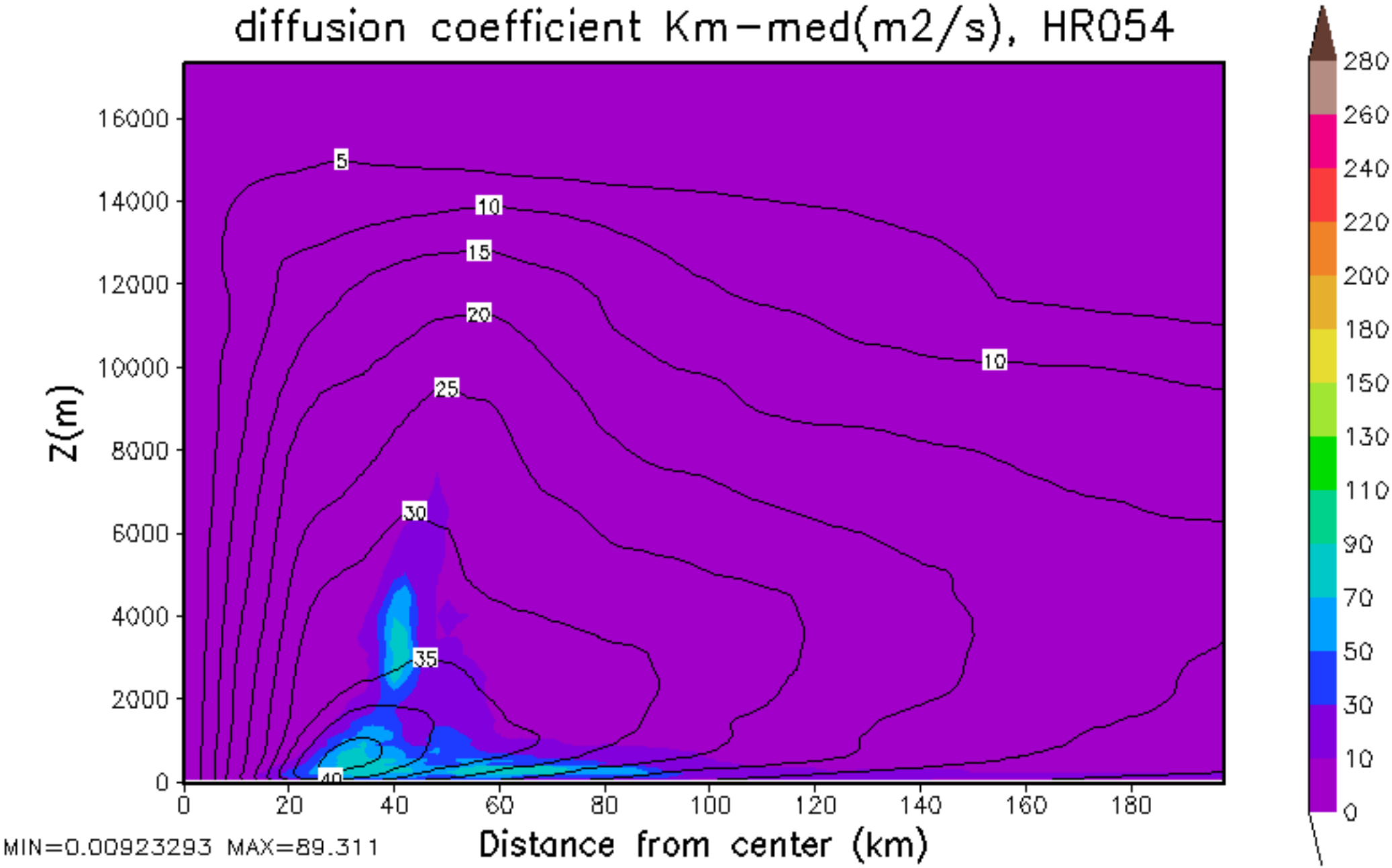

diffusion coefficient Km(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00924169 MAX=321.881
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

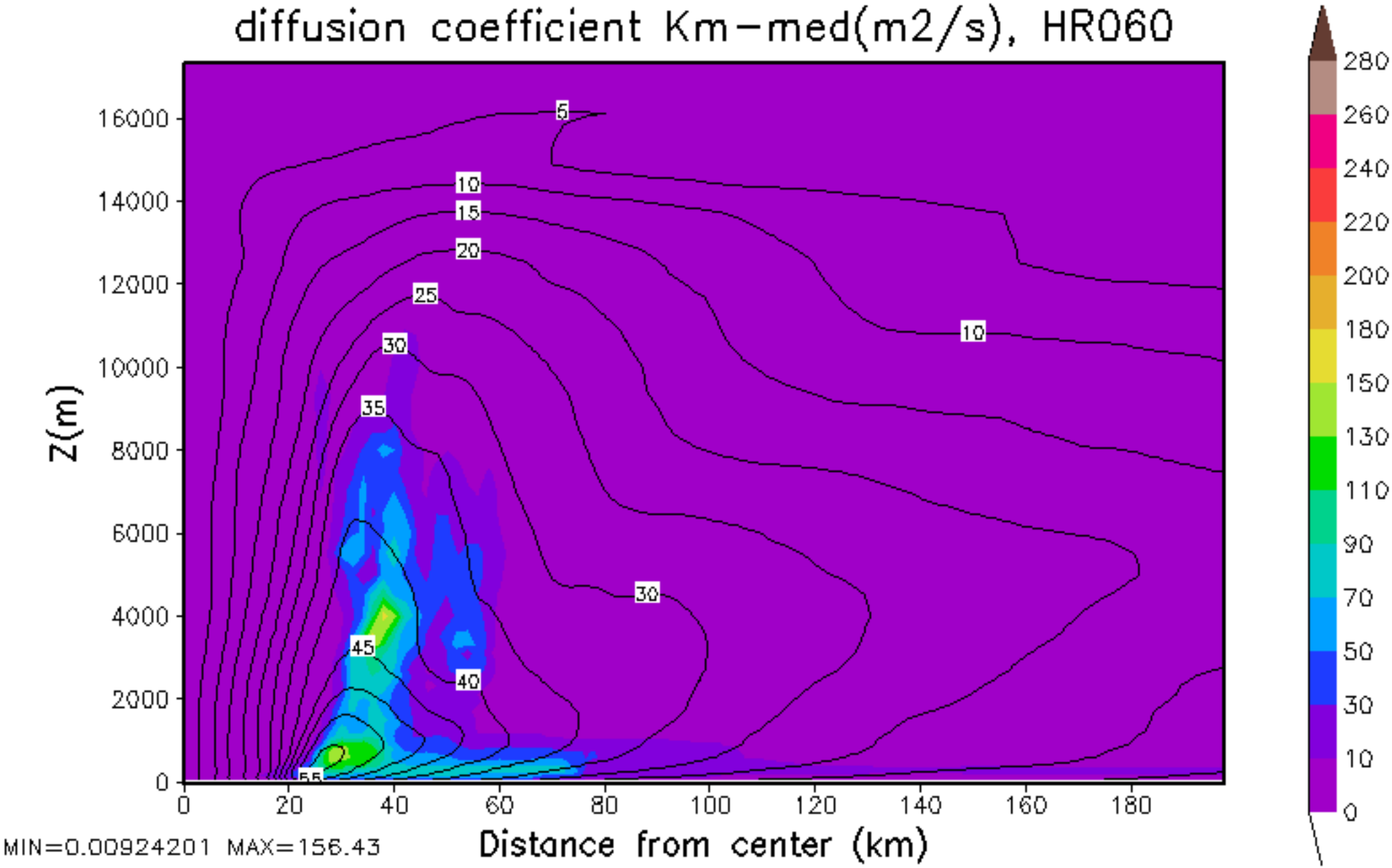

diffusion coefficient Km(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00924159 MAX=232.624
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

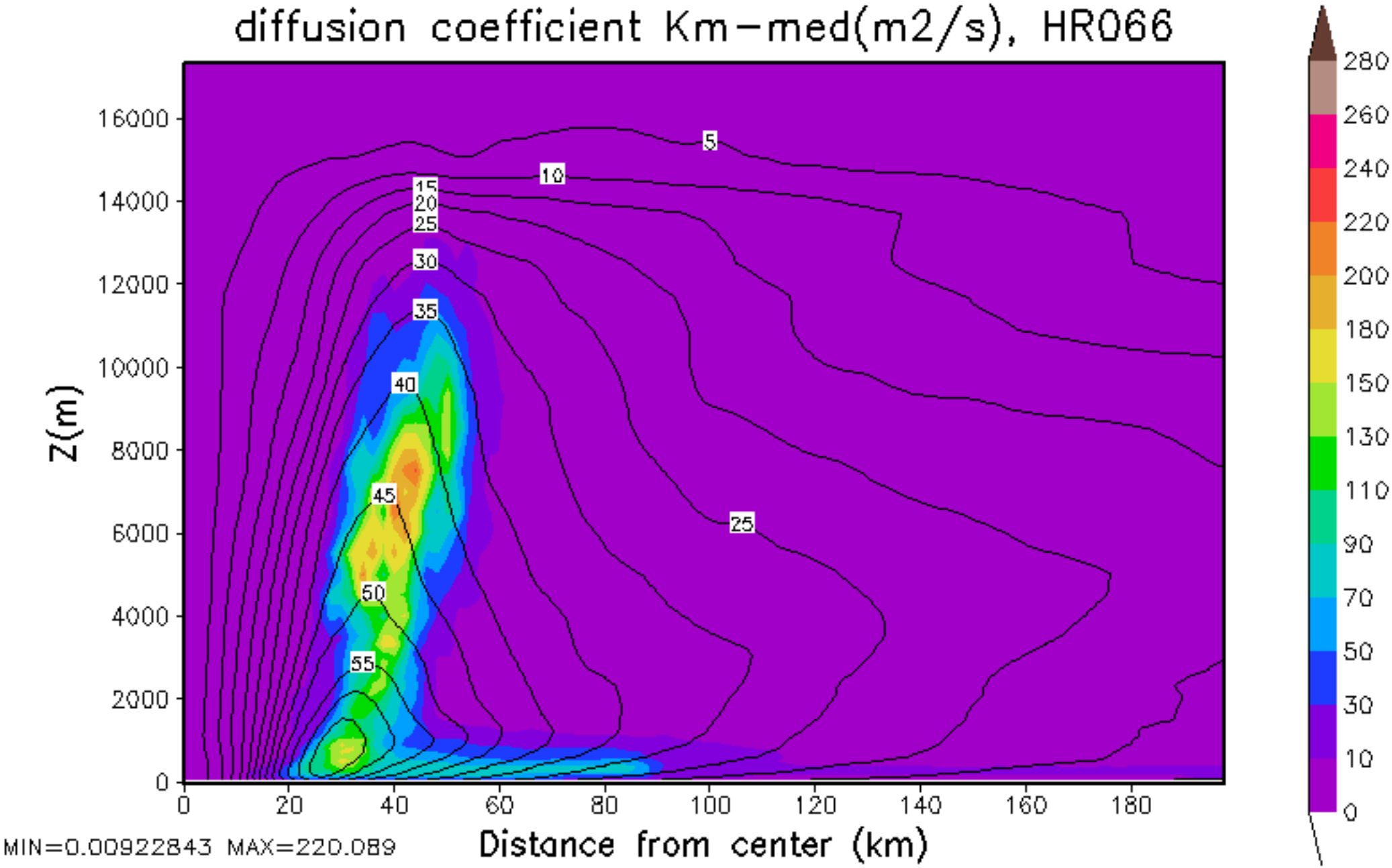

diffusion coefficient Km-med(m2/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
5
10
10
15
15
20
20
25
25
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923962 MAX=55.1645

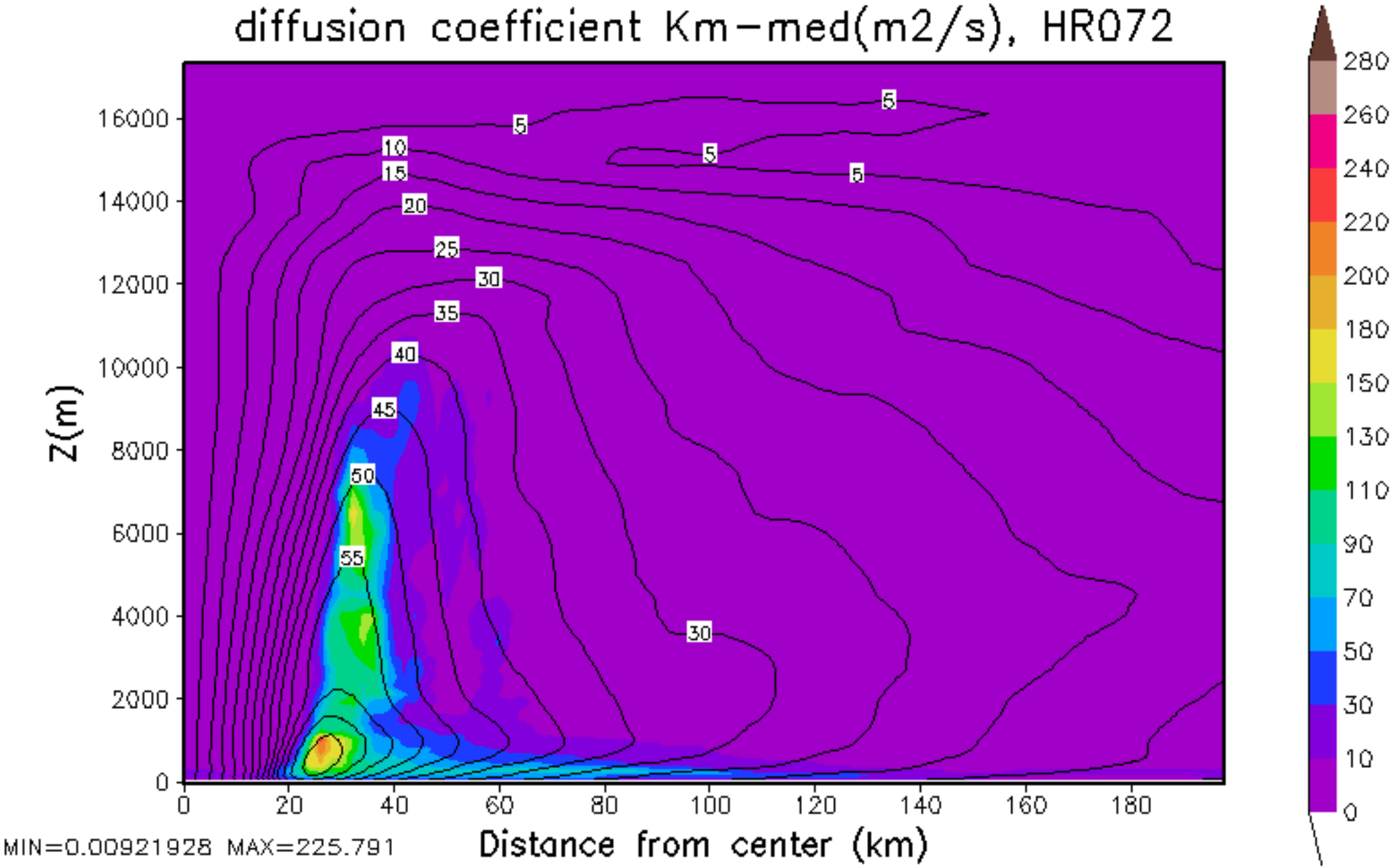

diffusion coefficient Km-med(m2/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923693 MAX=88.2209

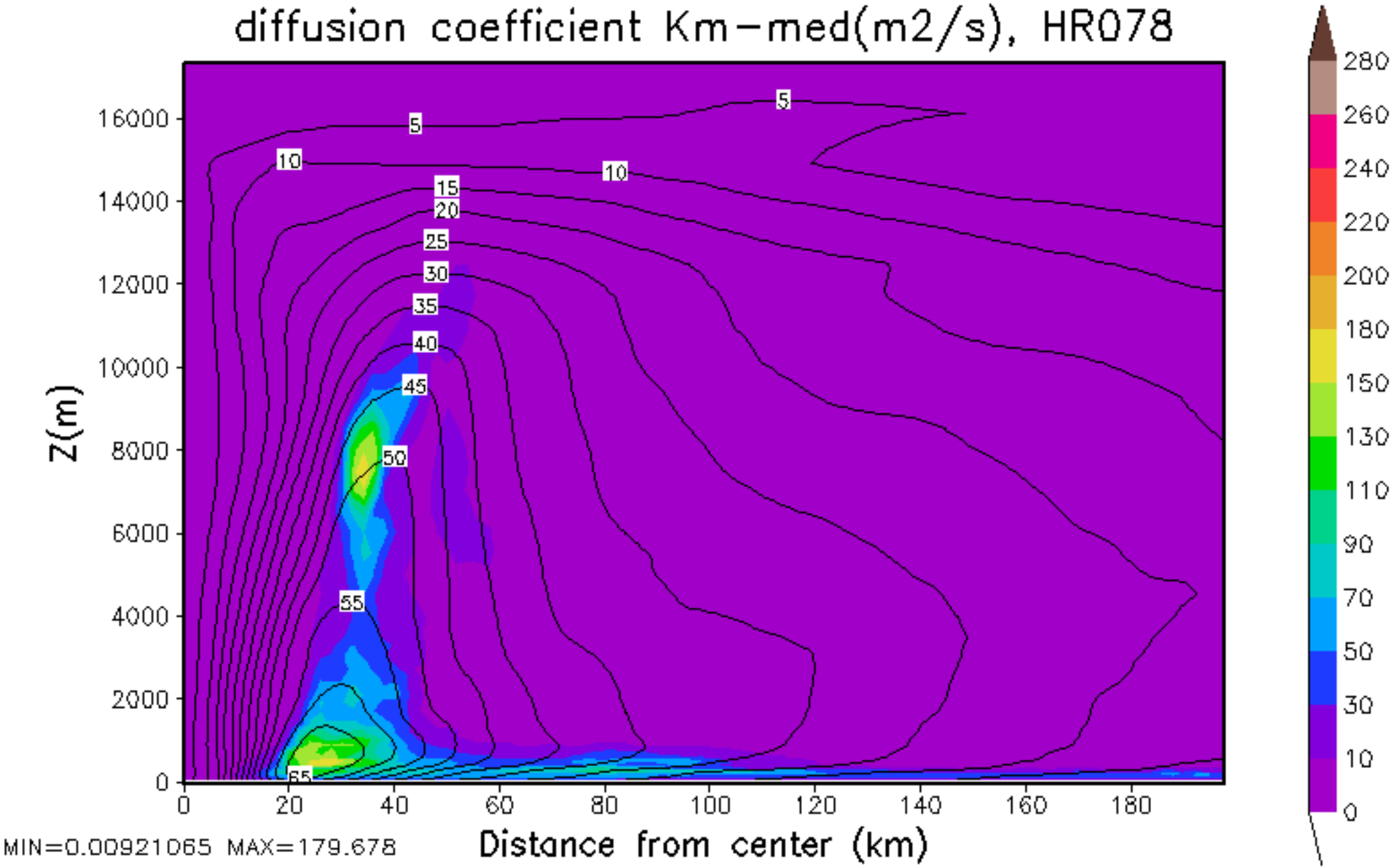

diffusion coefficient Km-med(m2/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923601 MAX=70.325

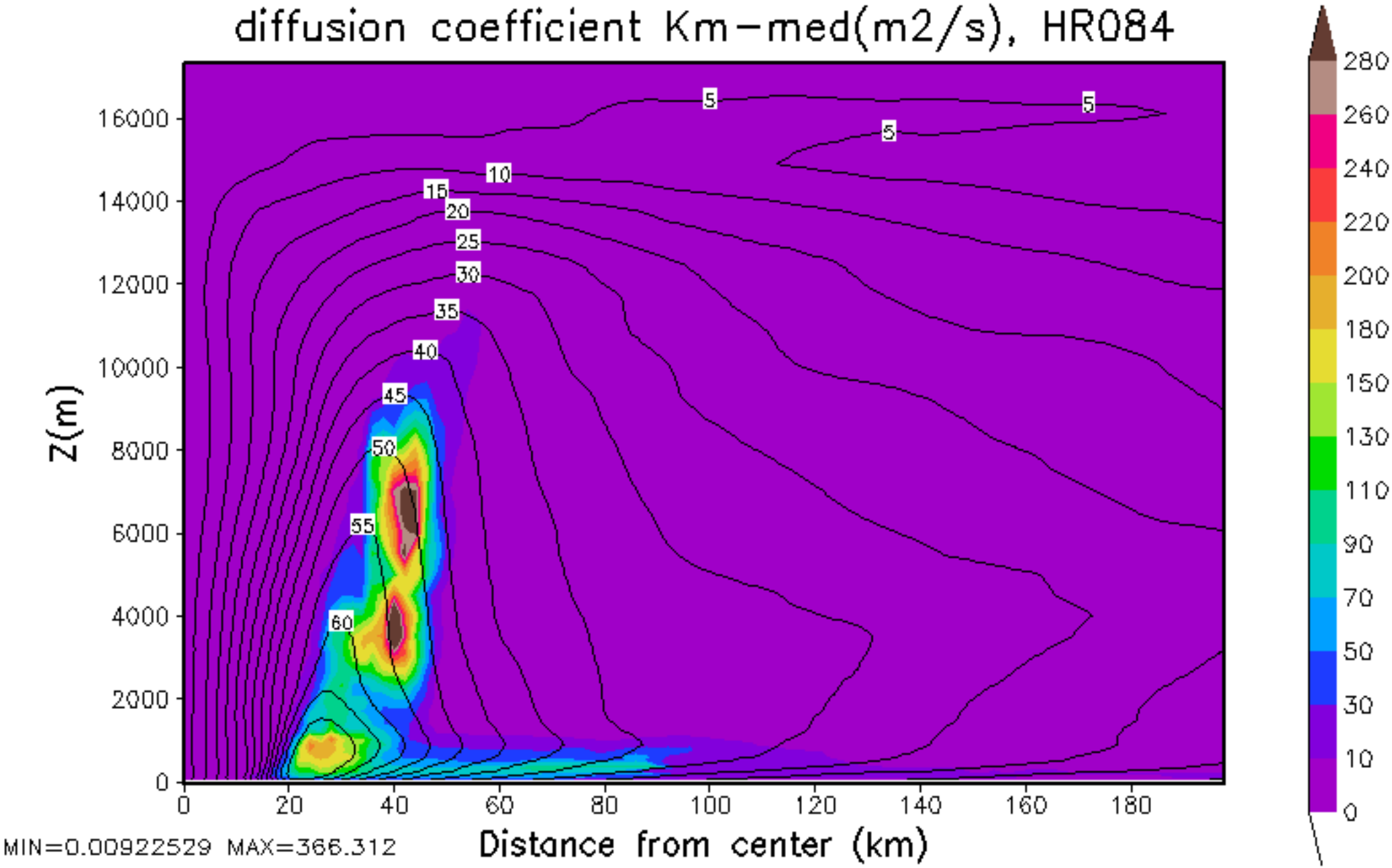

diffusion coefficient Km-med(m2/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00923293 MAX=89.311

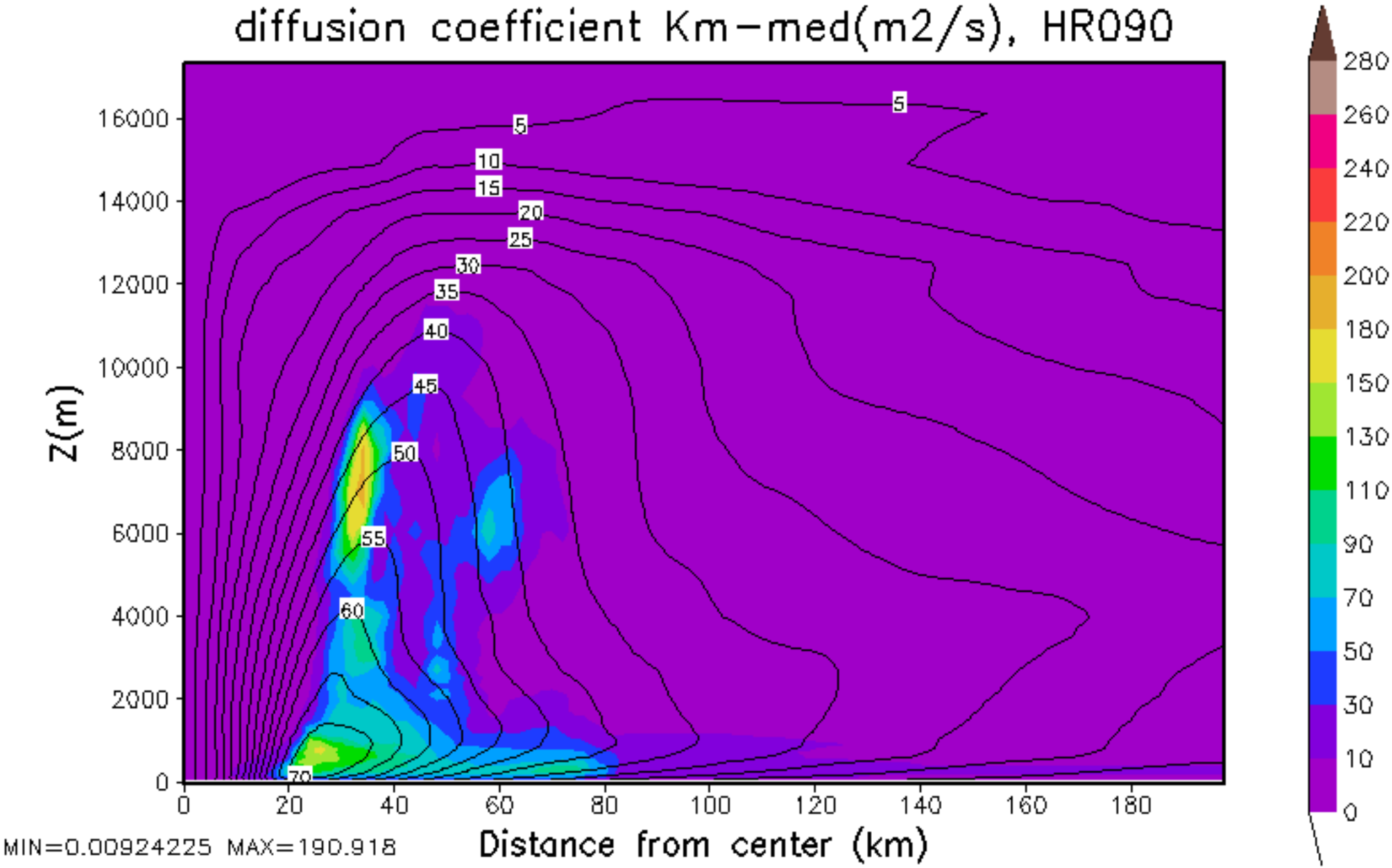

diffusion coefficient Km-med(m2/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
45
40
30
10
MIN=0.00924201 MAX=156.43
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

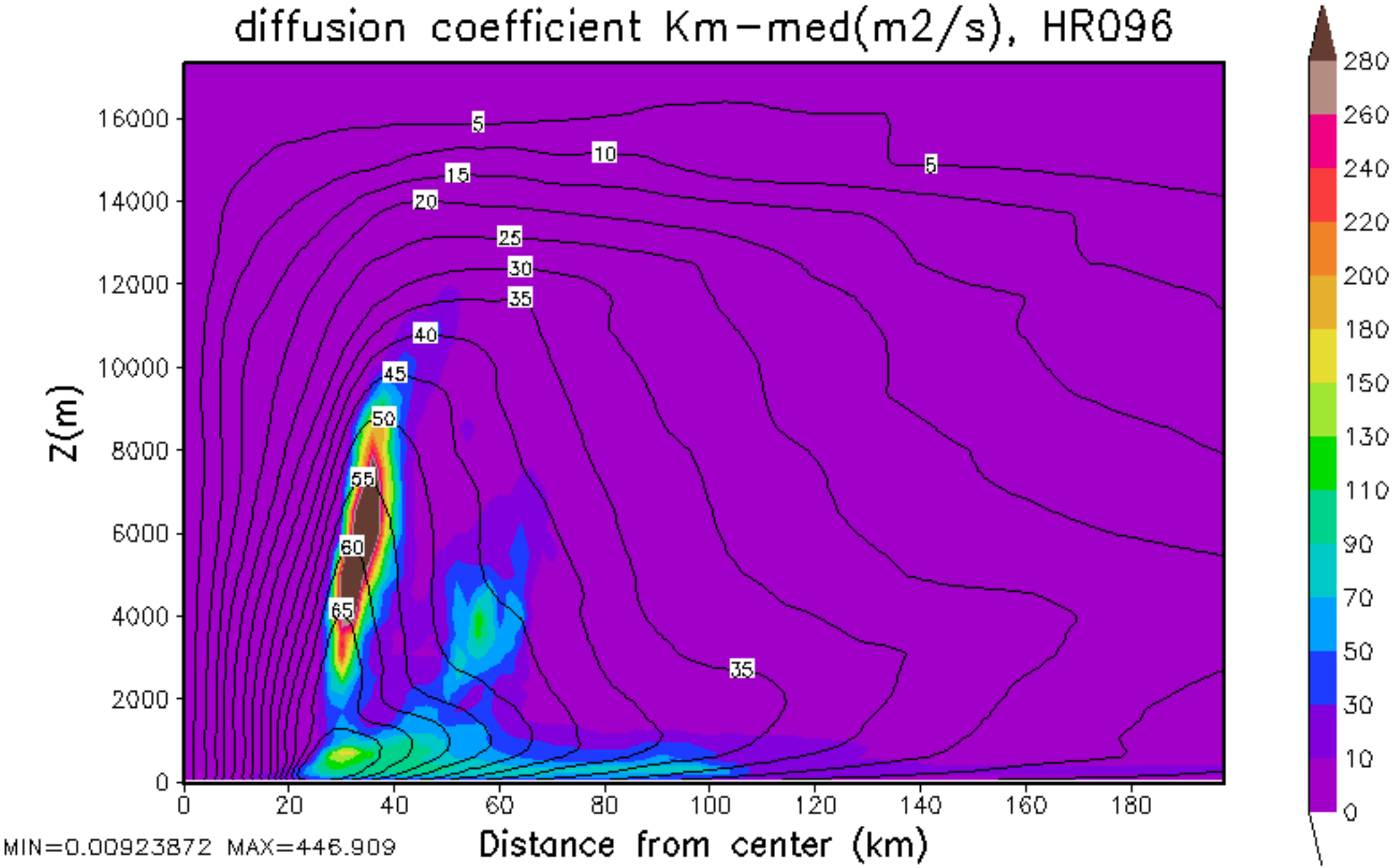

diffusion coefficient Km-med(m2/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00922843 MAX=220.089

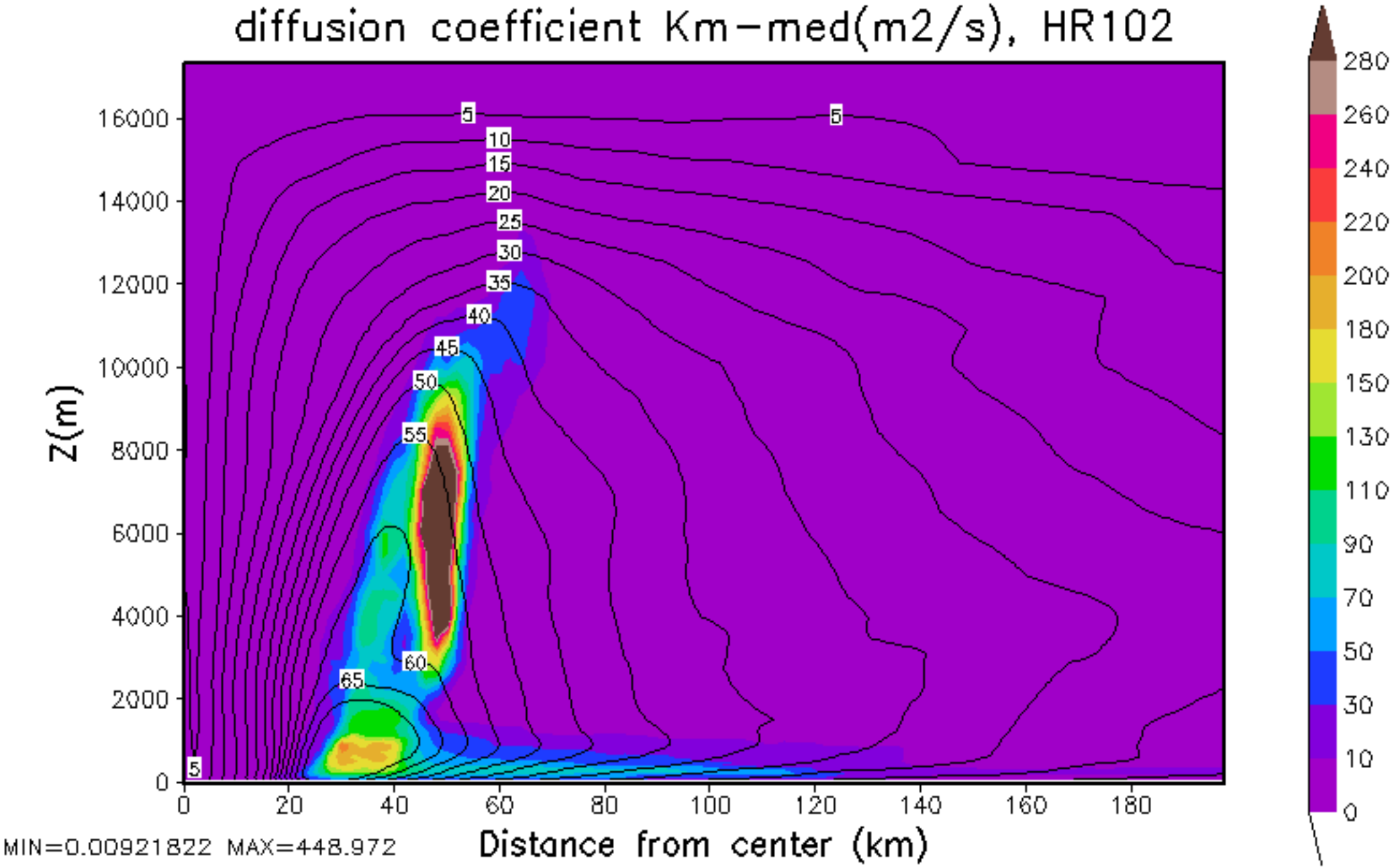

diffusion coefficient Km-med(m2/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00921928 MAX=225.791
5
10
15
20
25
30
35
40
45
50
55
30
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

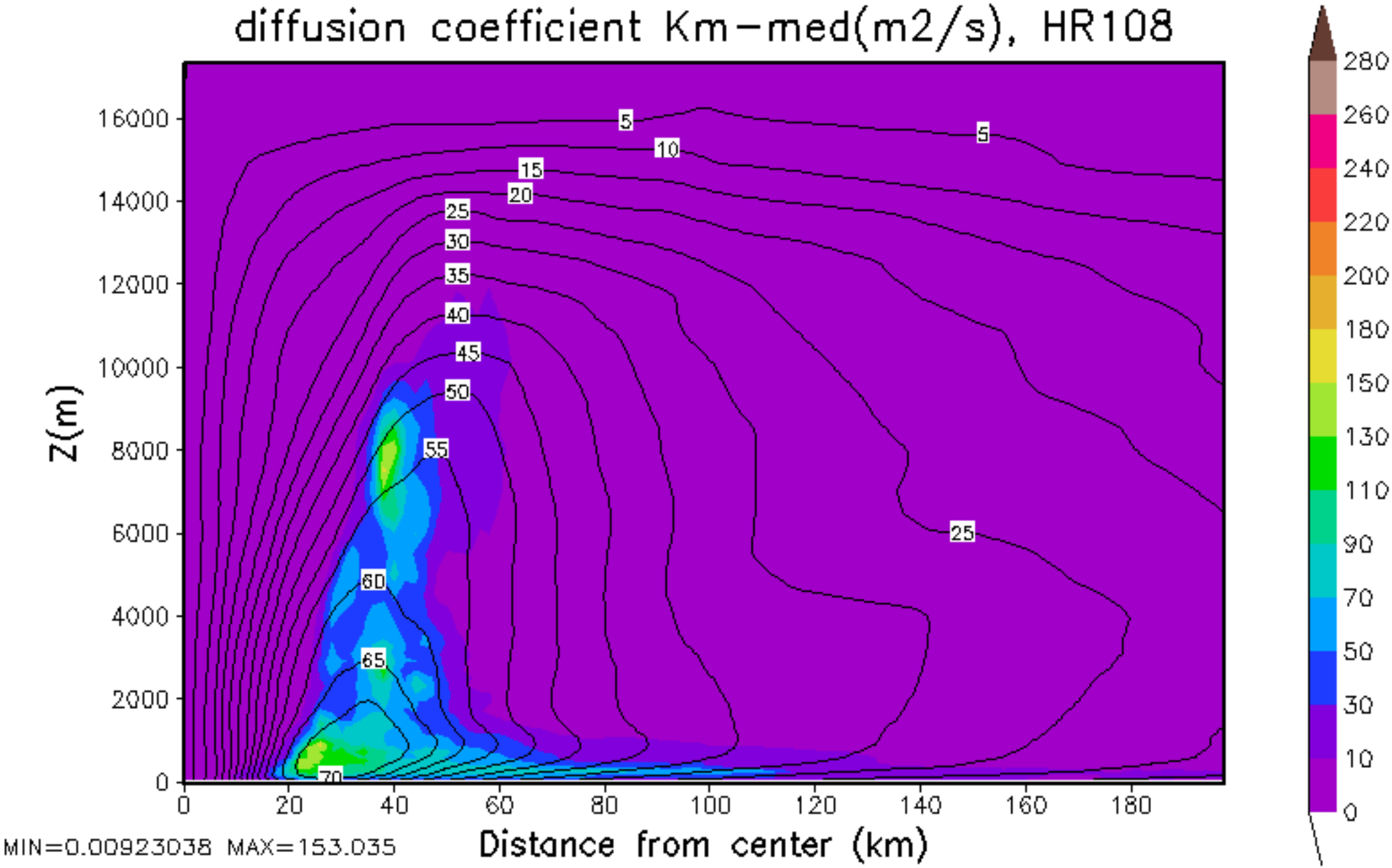

diffusion coefficient Km-med(m2/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0
MIN=0.00921065 MAX=179.678

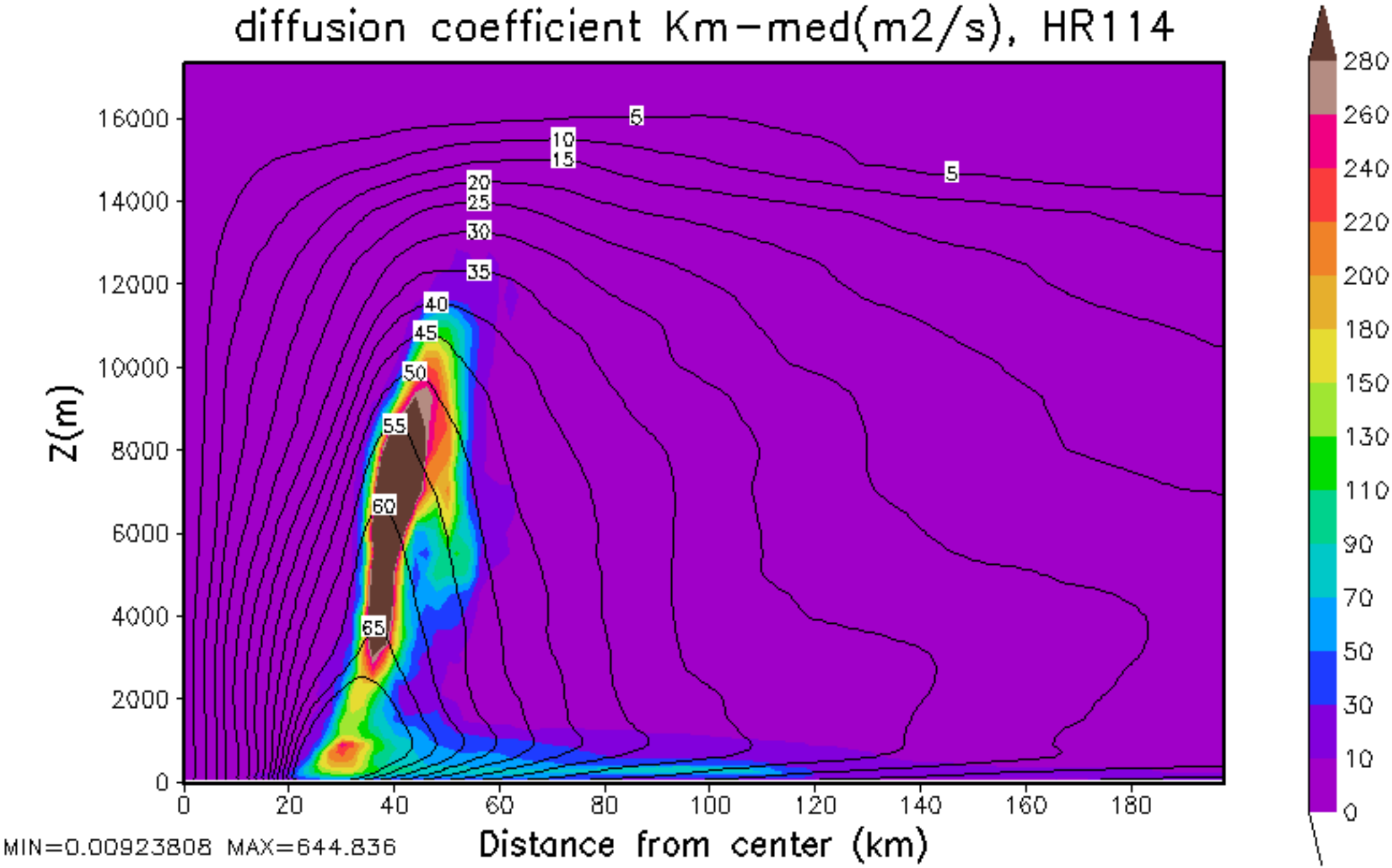

diffusion coefficient Km-med(m2/s), HR084
Z(m)
Distance from center (km)
MIN=0.00922529 MAX=366.312
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

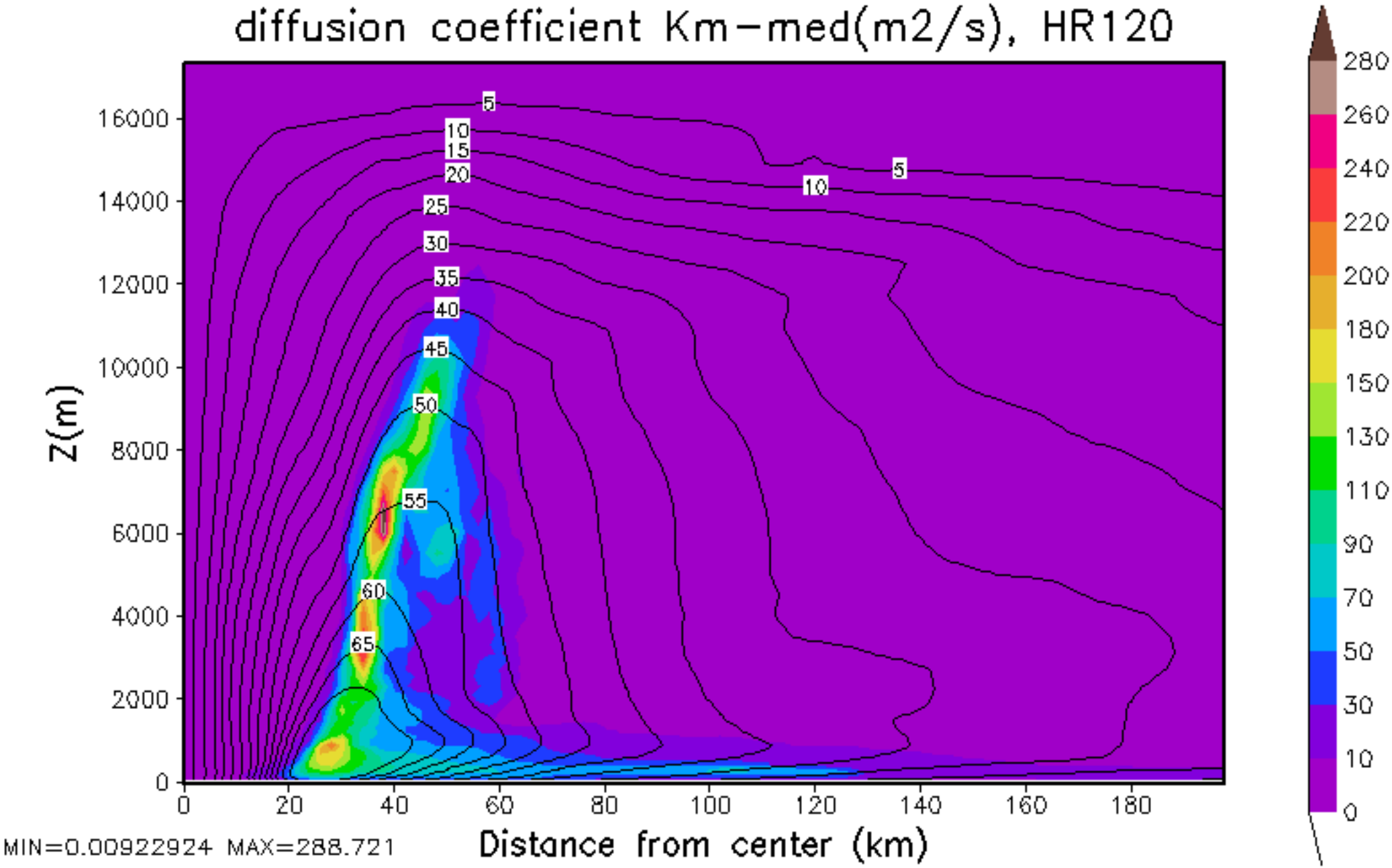

diffusion coefficient Km-med(m2/s), HR090
Z(m)
Distance from center (km)
MIN=0.00924225 MAX=190.918
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
70
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

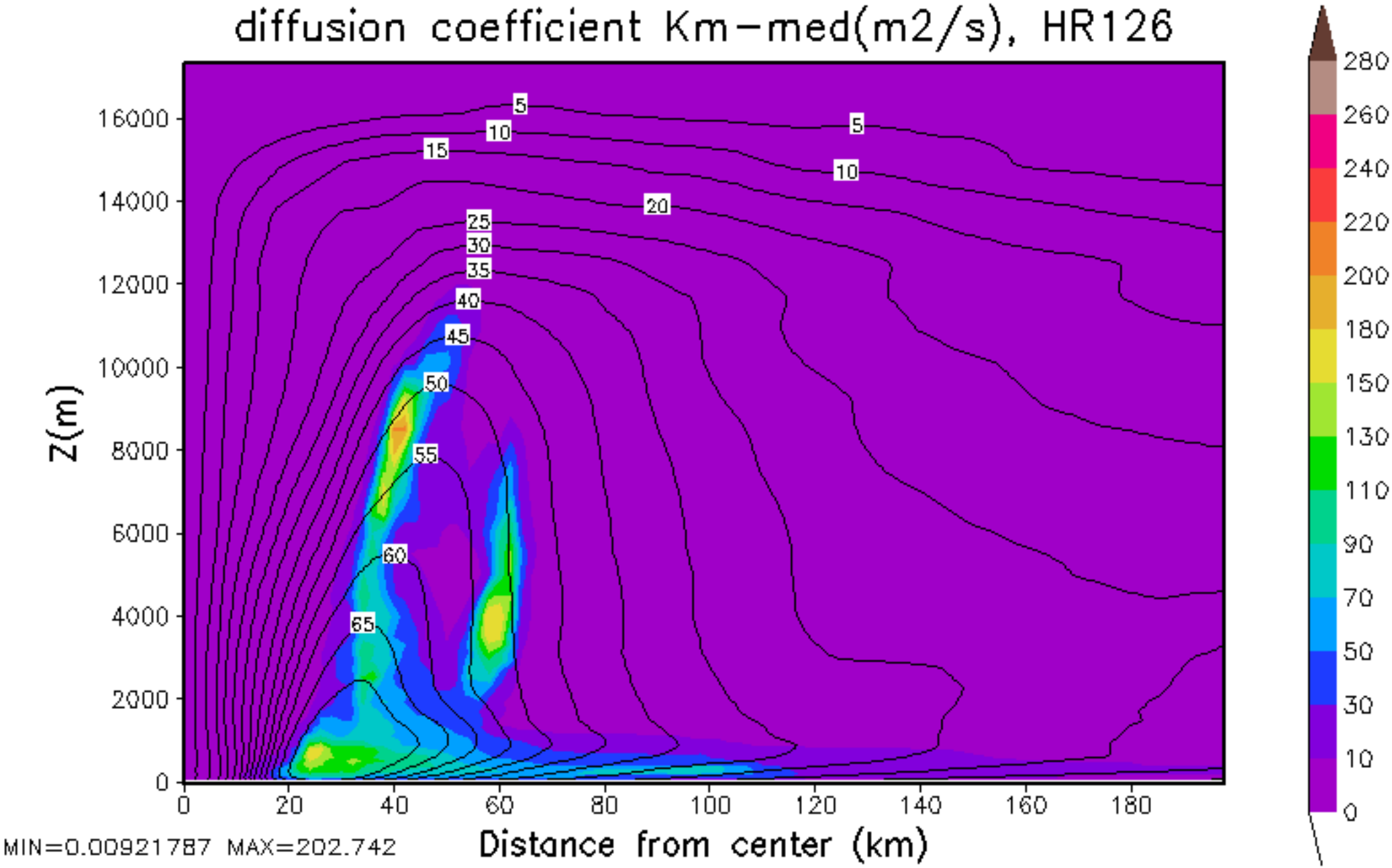

diffusion coefficient Km-med(m2/s), HR096
Z(m)
Distance from center (km)
MIN=0.00923872 MAX=446.909
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
35
5
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

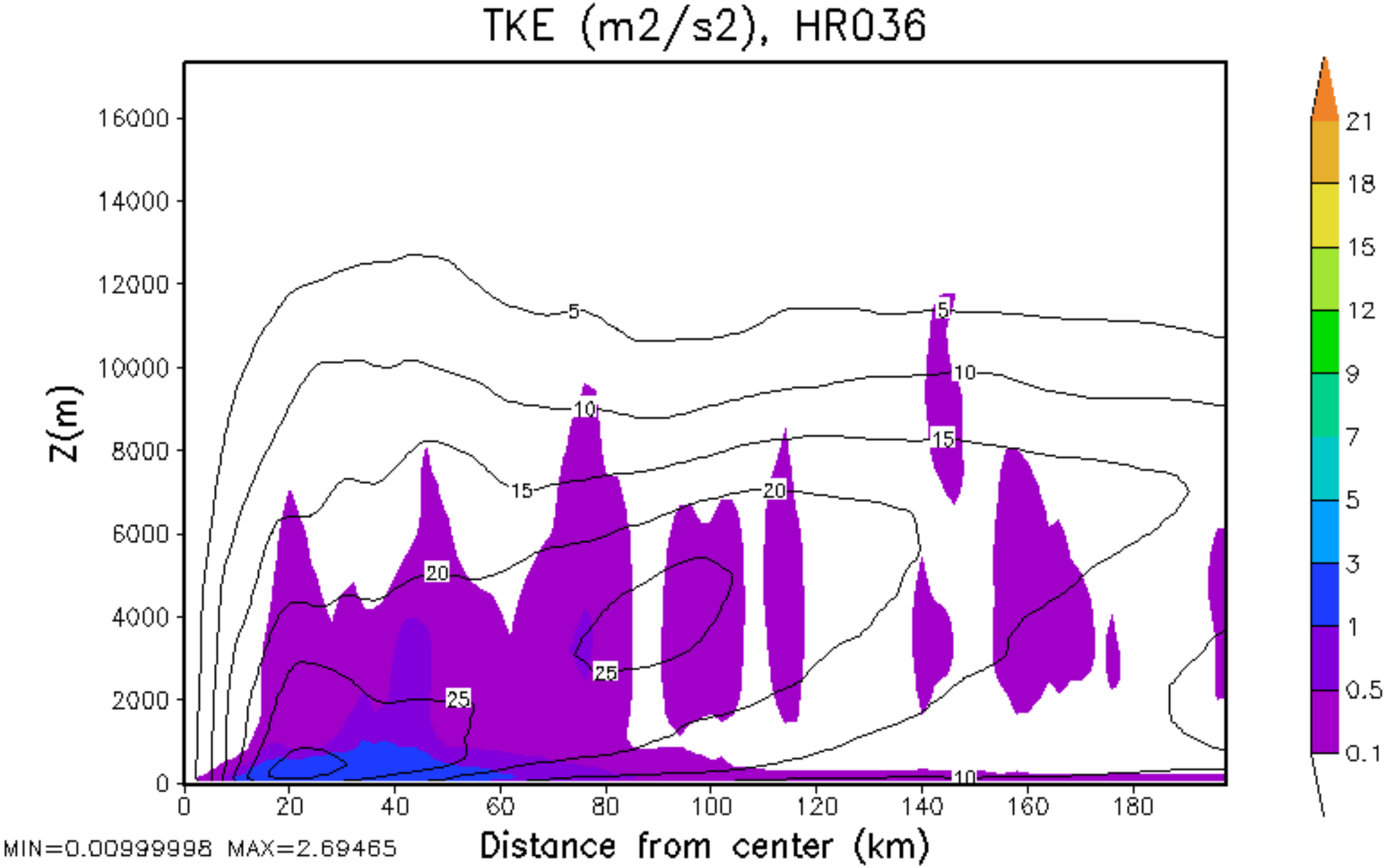

diffusion coefficient Km-med(m2/s), HR102
Z(m)
Distance from center (km)
MIN=0.00921822 MAX=448.972
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
0
10
30
50
70
90
110
130
150
180
200
220
240
260
280

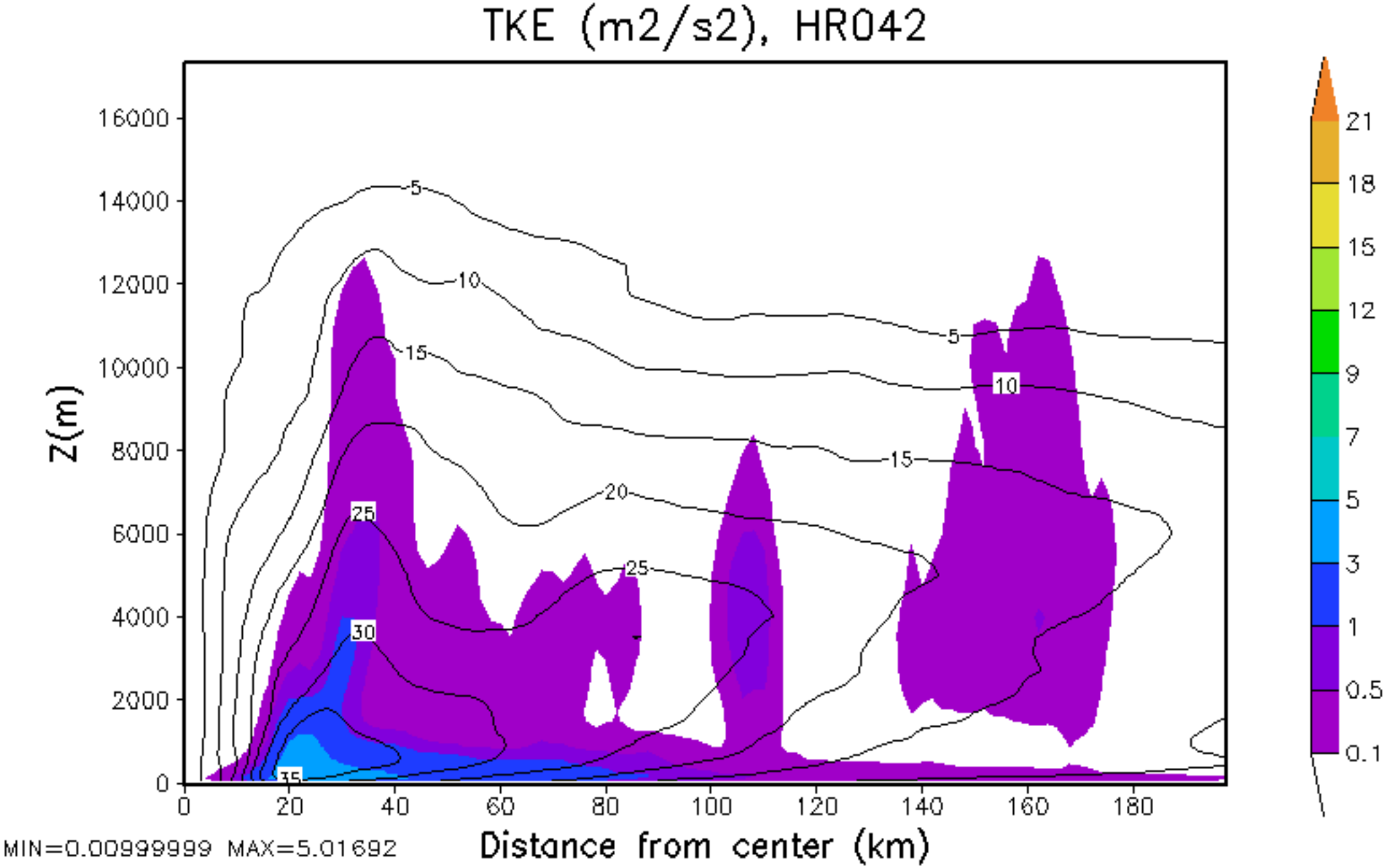

diffusion coefficient Km-med(m2/s), HR108
Z(m)
Distance from center (km)
MIN=0.00923038 MAX=153.035
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
70
25
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

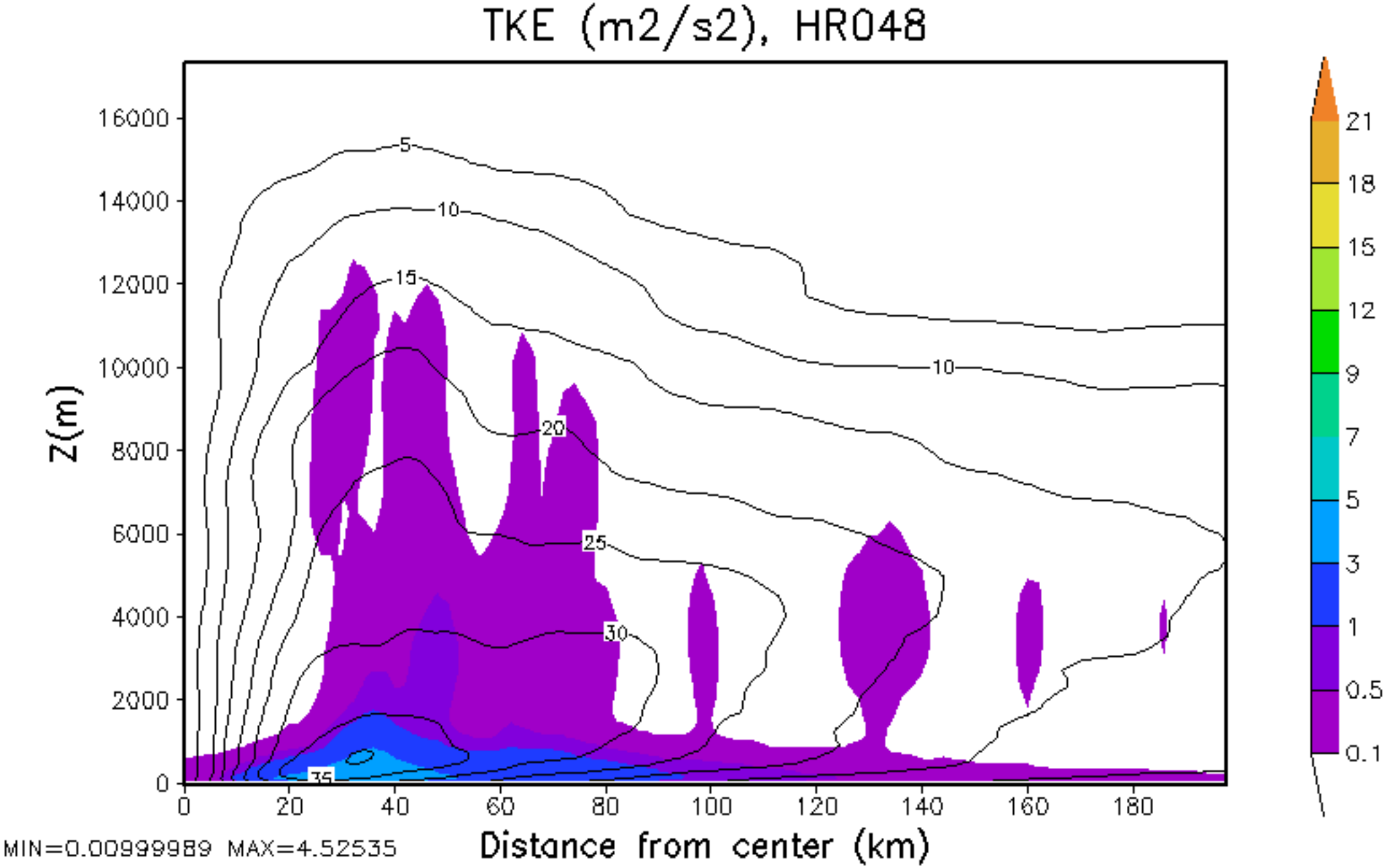

diffusion coefficient Km-med(m2/s), HR114
Z(m)
Distance from center (km)
MIN=0.00923808 MAX=644.836
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

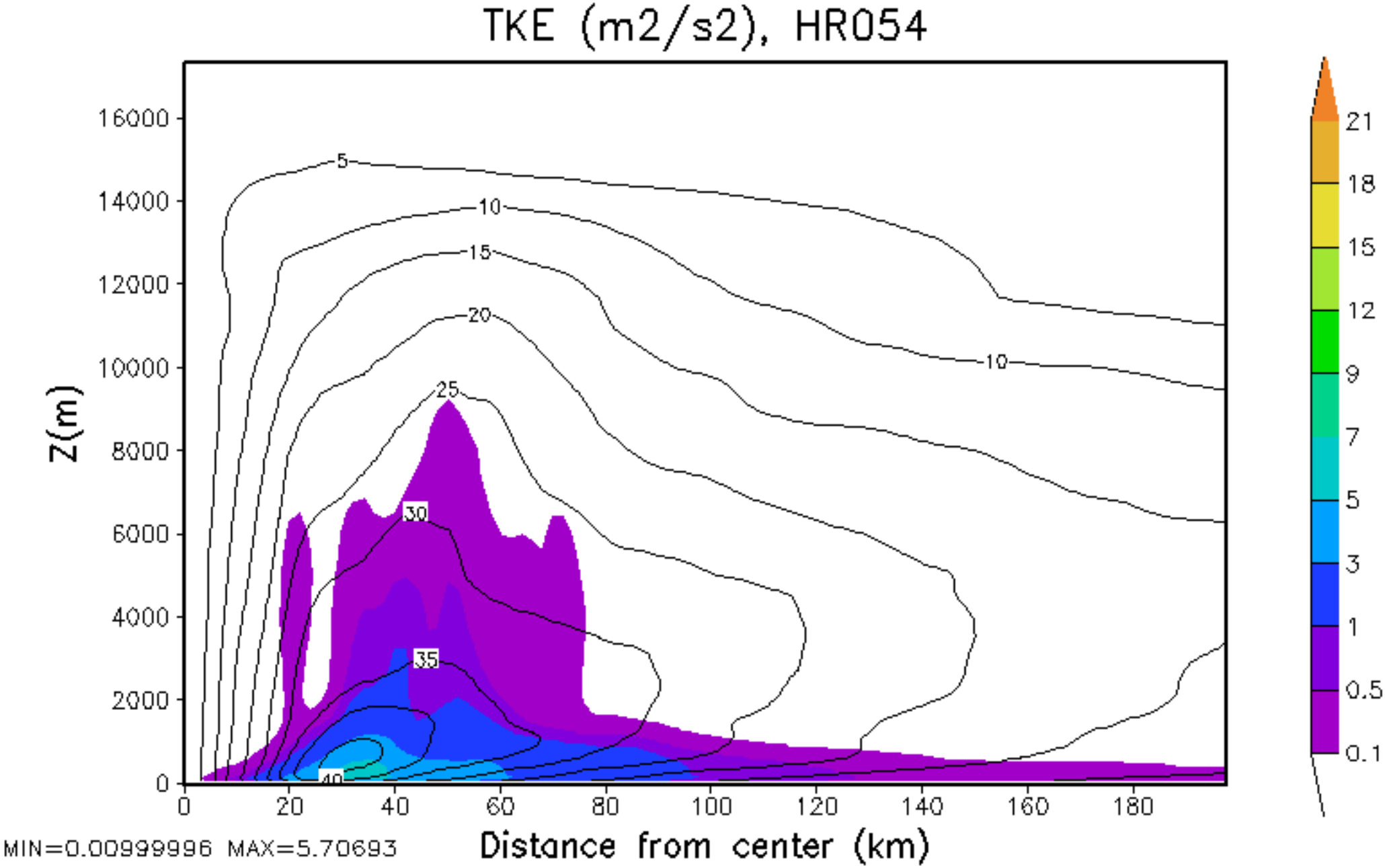

diffusion coefficient Km-med(m2/s), HR120
Z(m)
Distance from center (km)
MIN=0.00922924 MAX=288.721
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

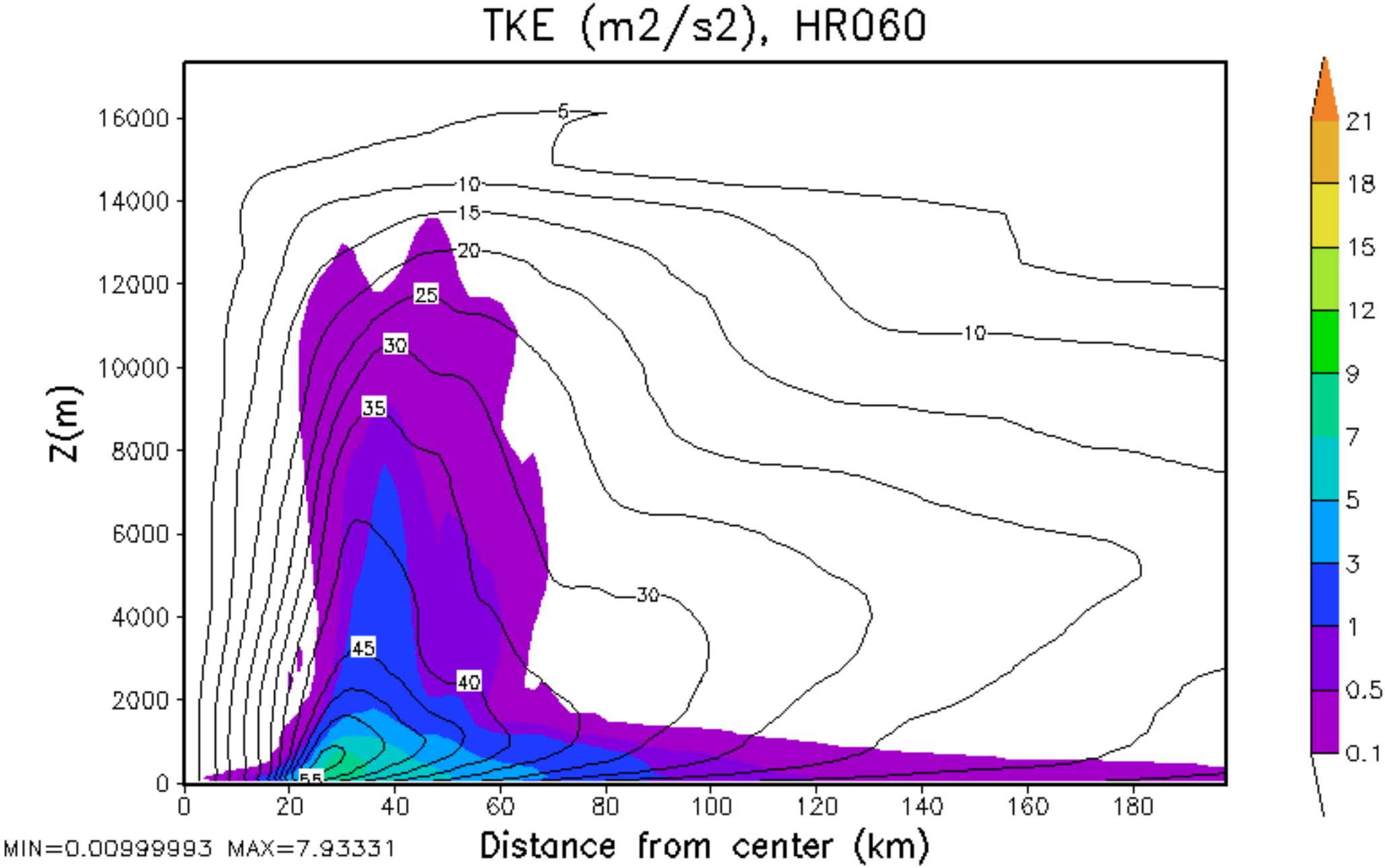

diffusion coefficient Km-med(m2/s), HR126
Z(m)
Distance from center (km)
MIN=0.00921787 MAX=202.742
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
280
260
240
220
200
180
150
130
110
90
70
50
30
10
0

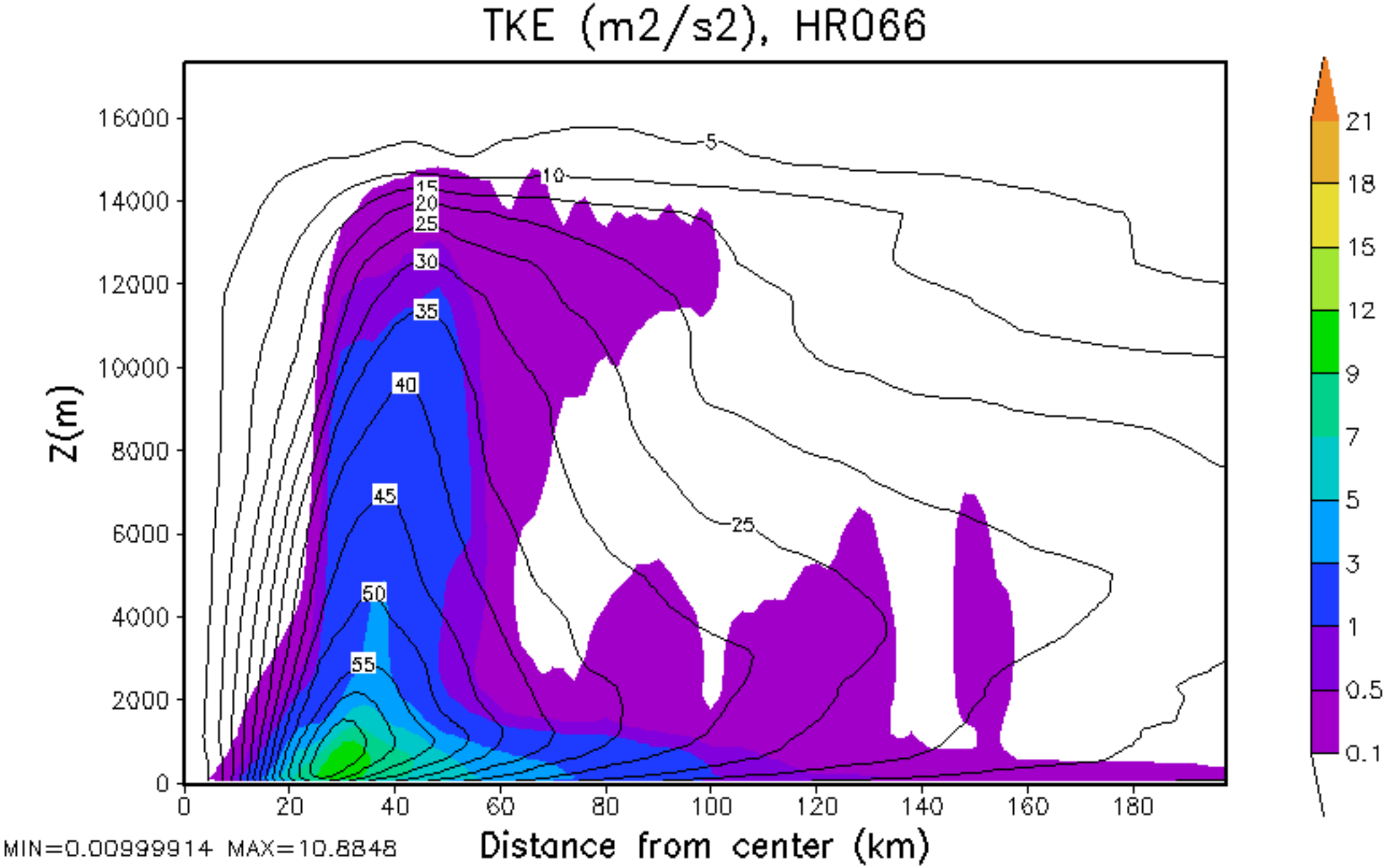

TKE (m2/s2), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00999998 MAX=2.69465
5
10
15
20
25
21
18
15
12
9
7
5
3
1
0.5
0.1

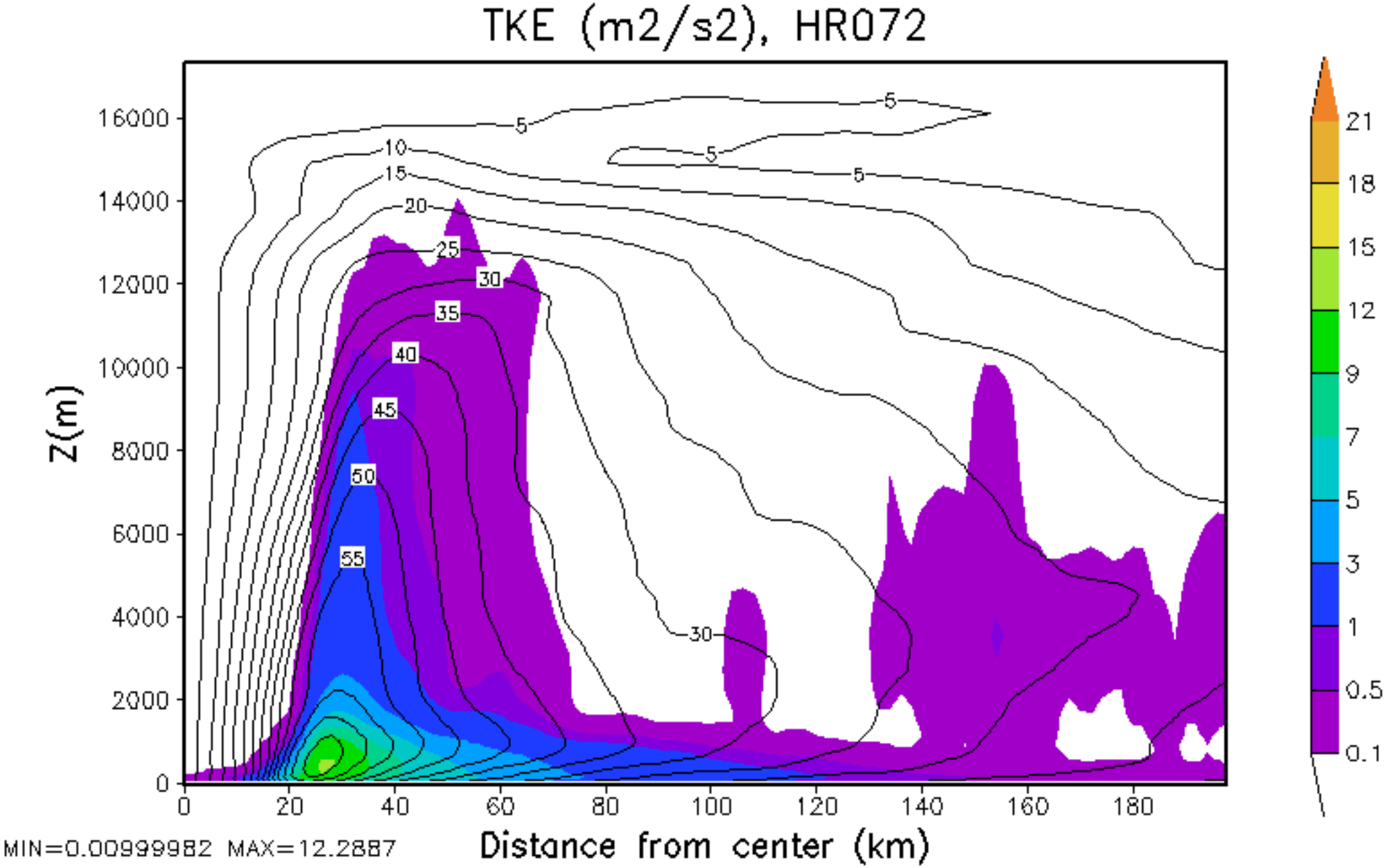

TKE (m2/s2), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=5.01692

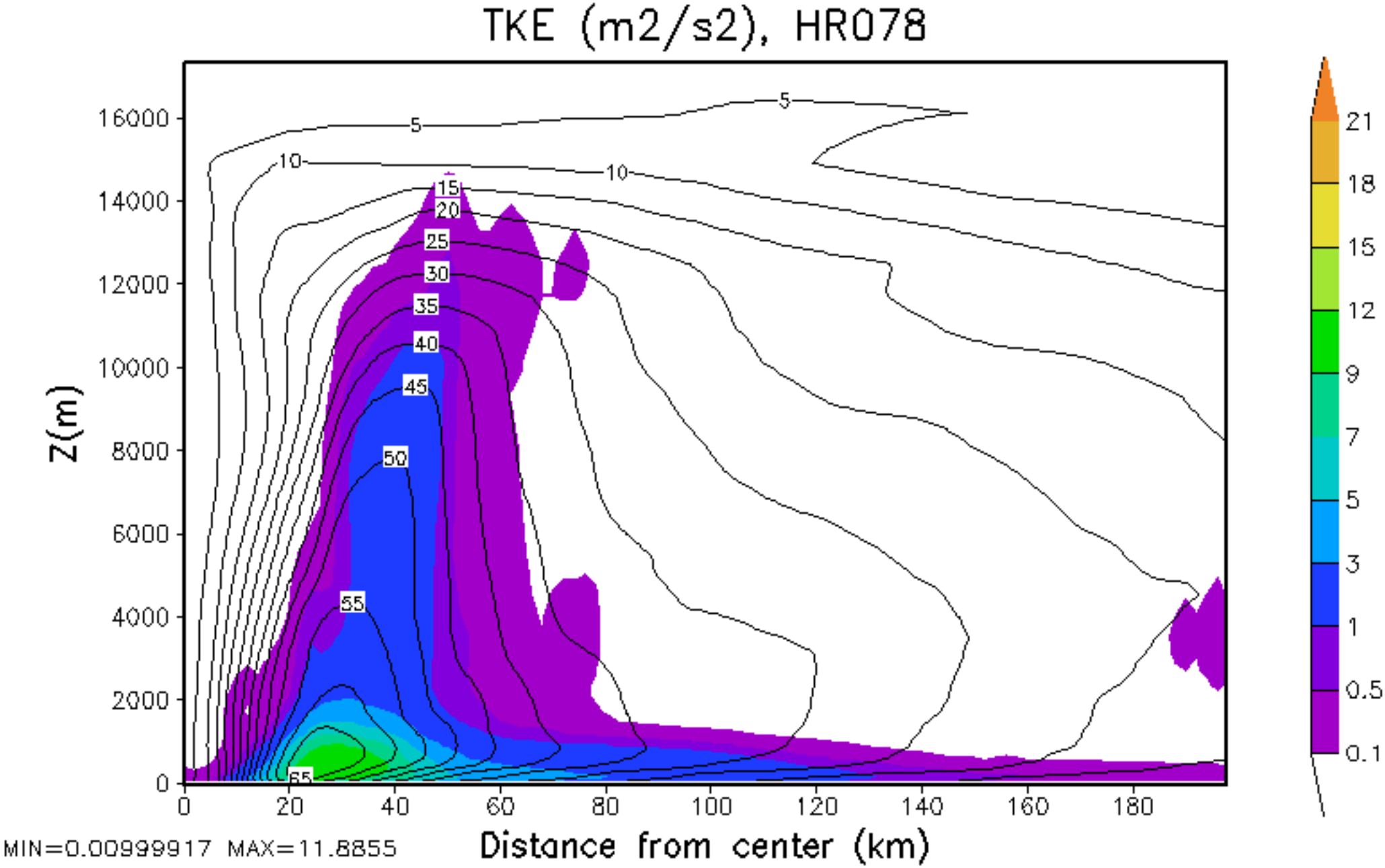

TKE (m2/s2), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999989 MAX=4.52535

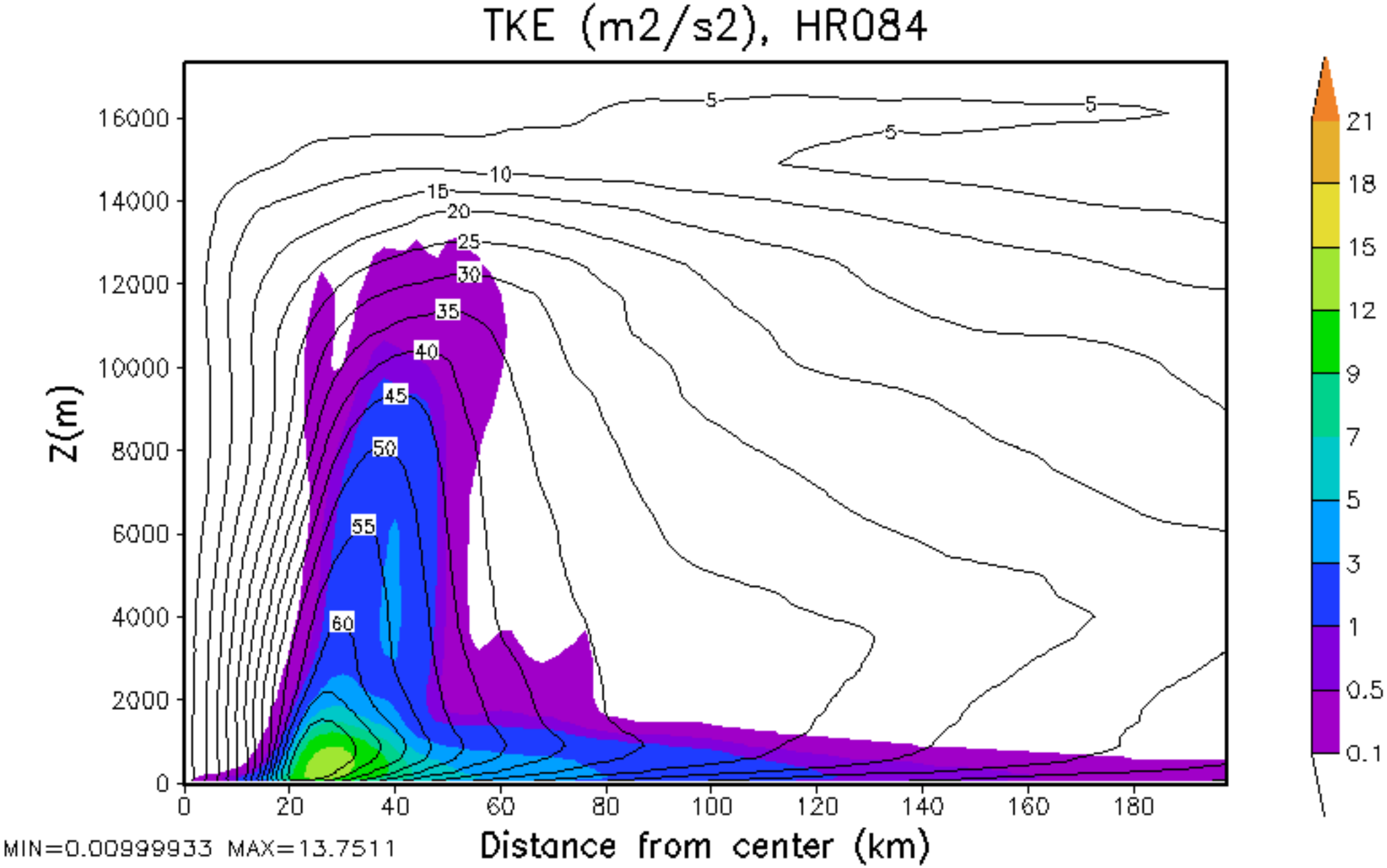

TKE (m2/s2), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999996 MAX=5.70693

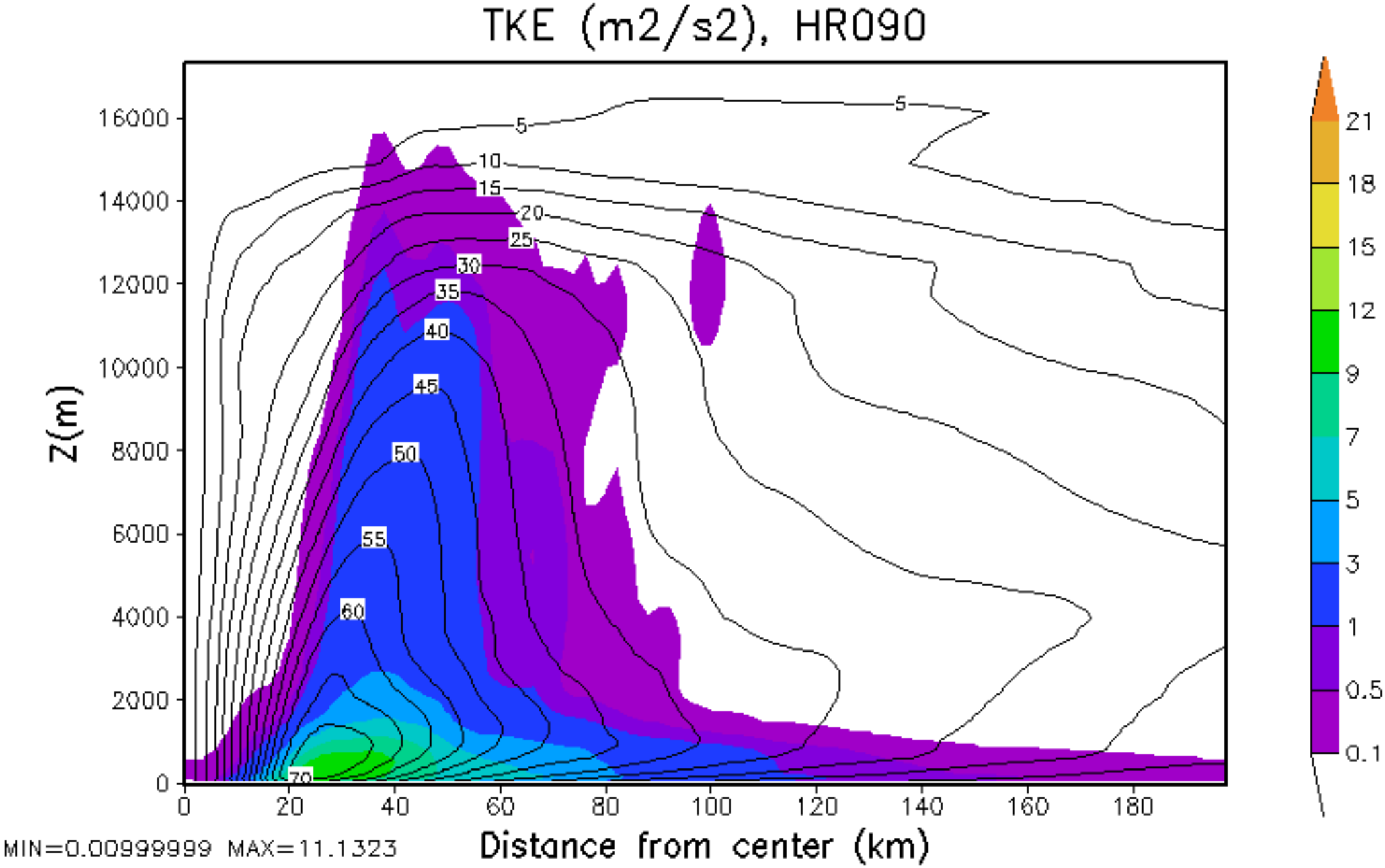

TKE (m2/s2), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
45
40
55
10
30
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999993 MAX=7.93331

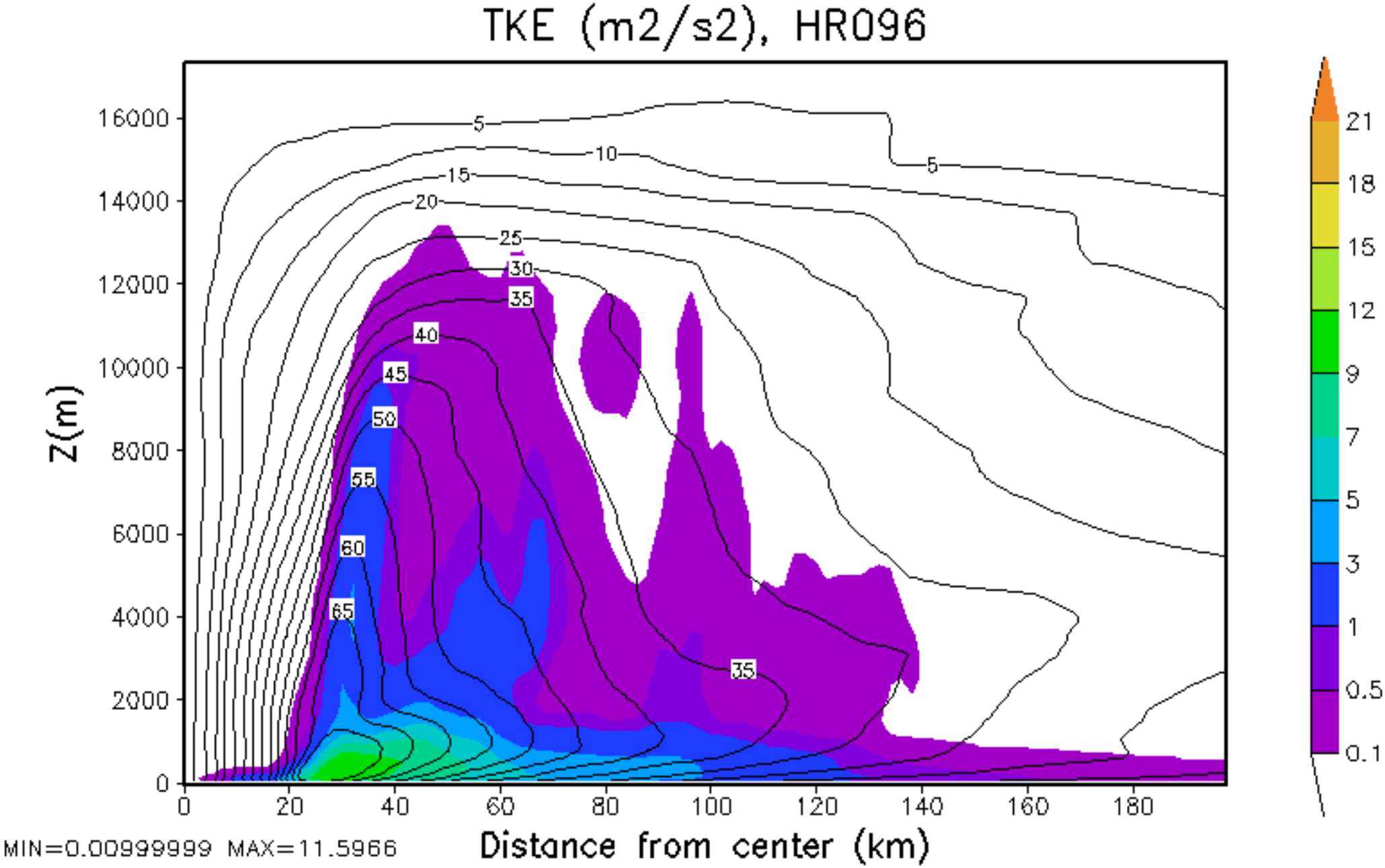

TKE (m2/s2), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999914 MAX=10.8848

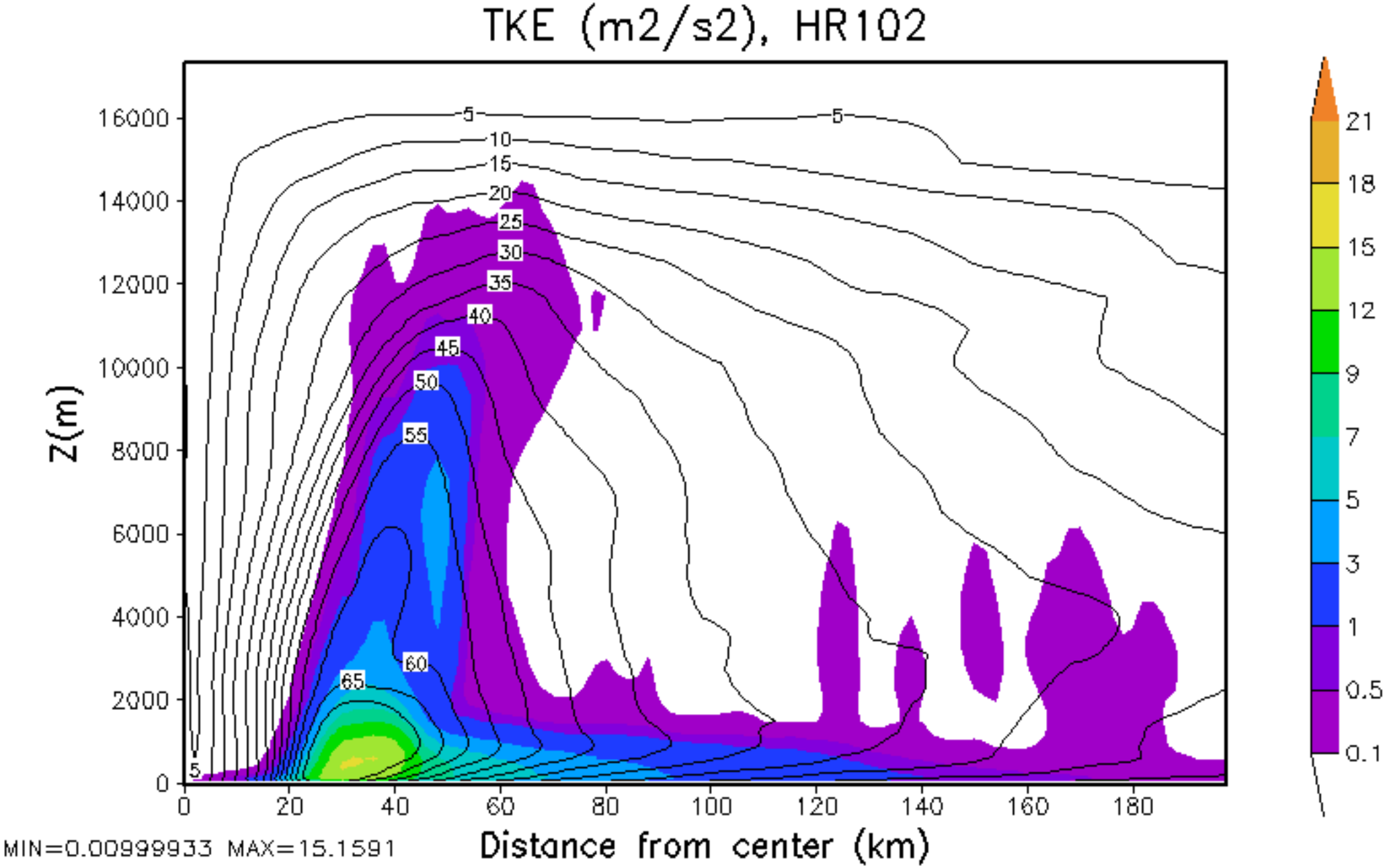

TKE (m2/s2), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.00999982 MAX=12.2887
5
10
15
20
25
30
35
40
45
50
55
21
18
15
12
9
7
5
3
1
0.5
0.1

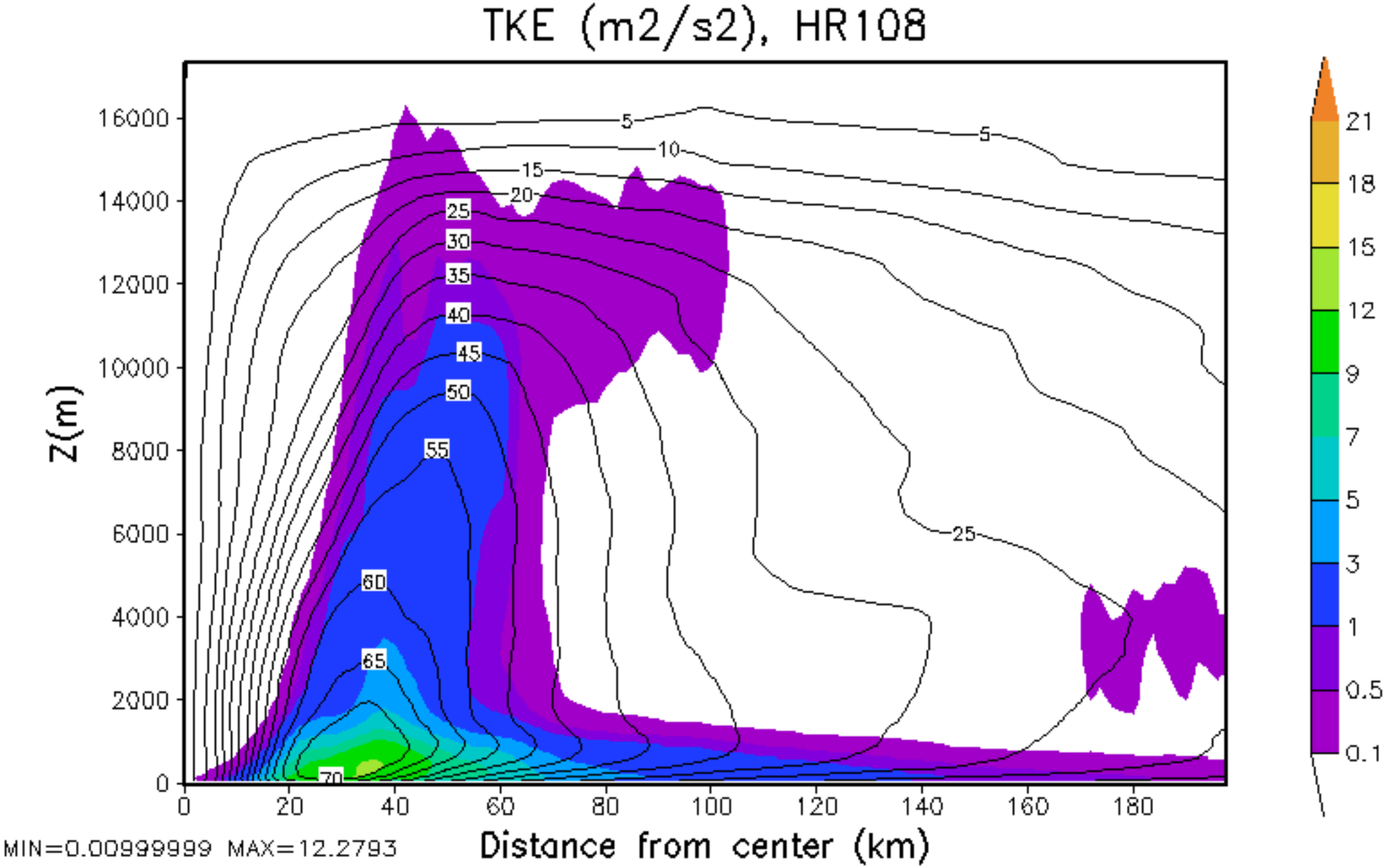

TKE (m2/s2), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999917 MAX=11.8855

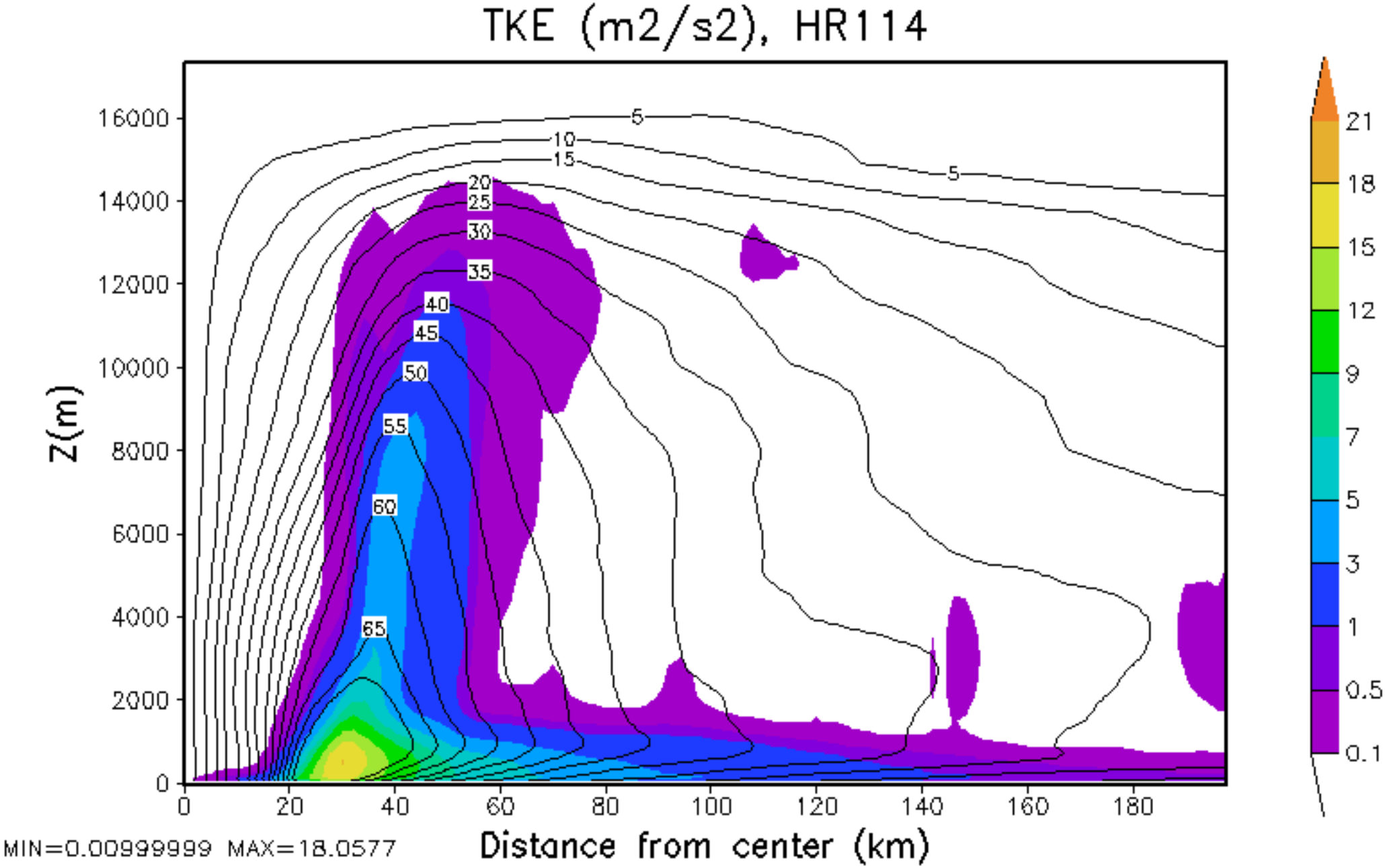

TKE (m2/s2), HR084
Z(m)
Distance from center (km)
MIN=0.00999933 MAX=13.7511
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
21
18
15
12
9
7
5
3
1
0.5
0.1

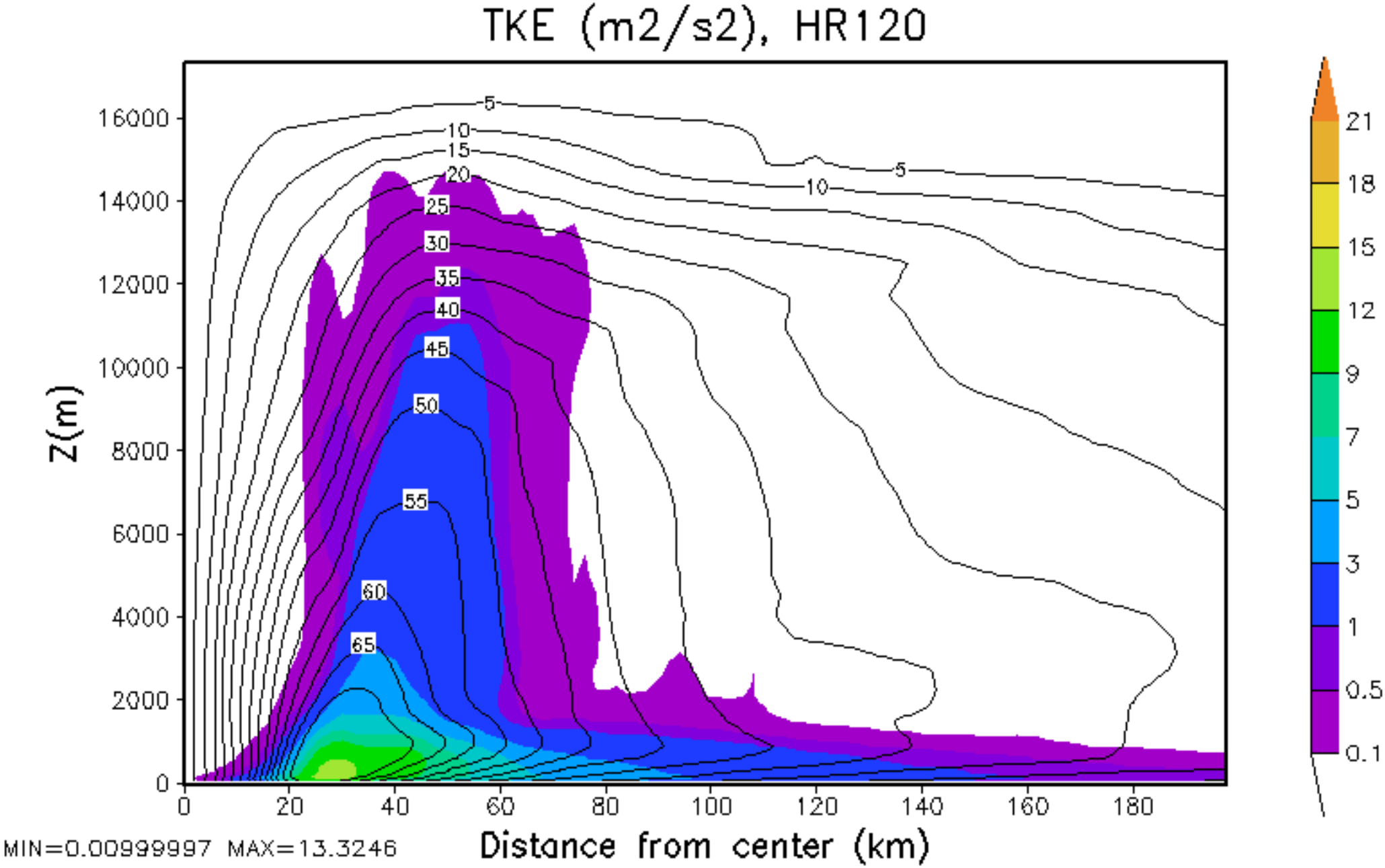

TKE (m2/s2), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
70
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=11.1323

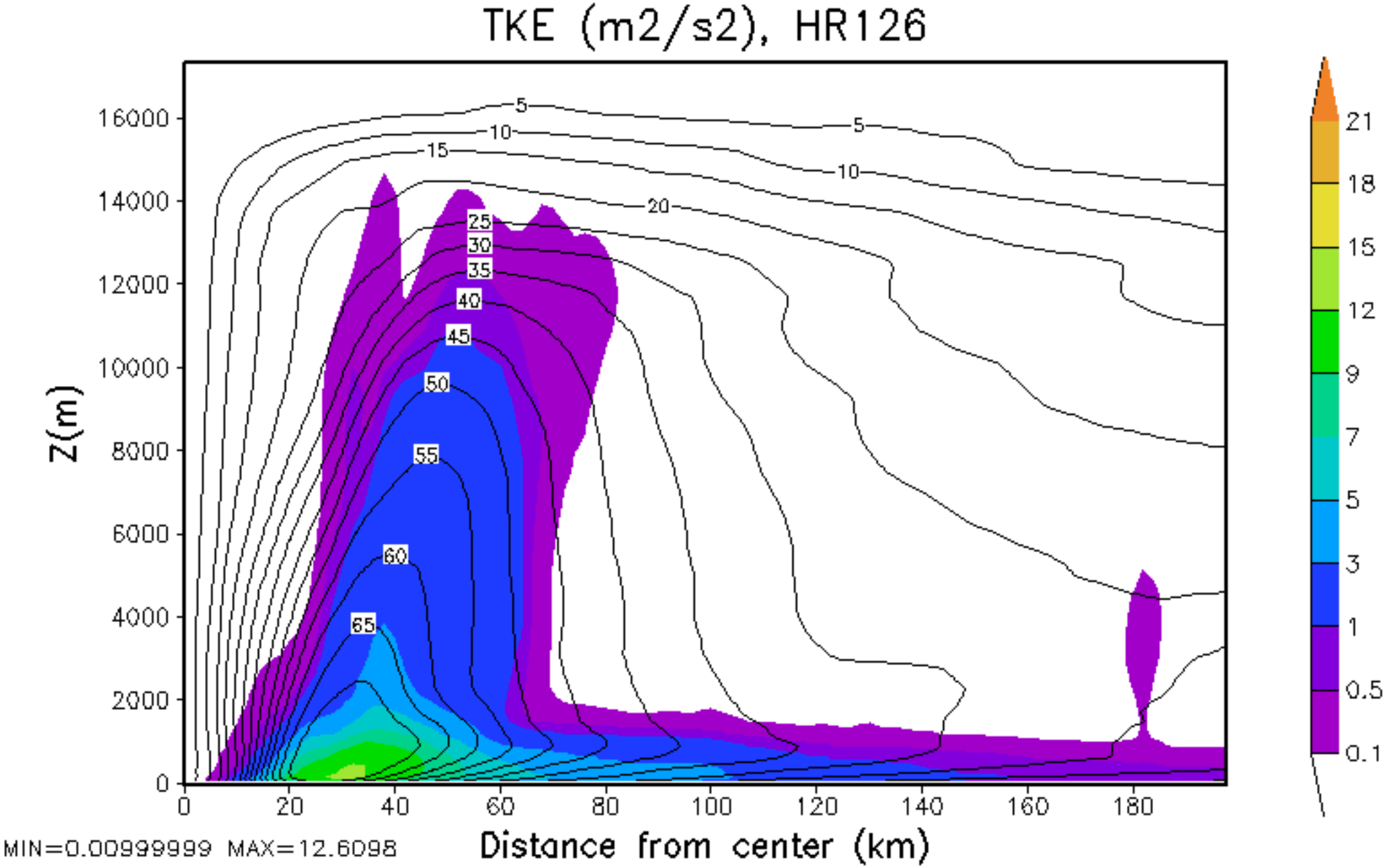

TKE (m2/s2), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
35
5
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=11.5966

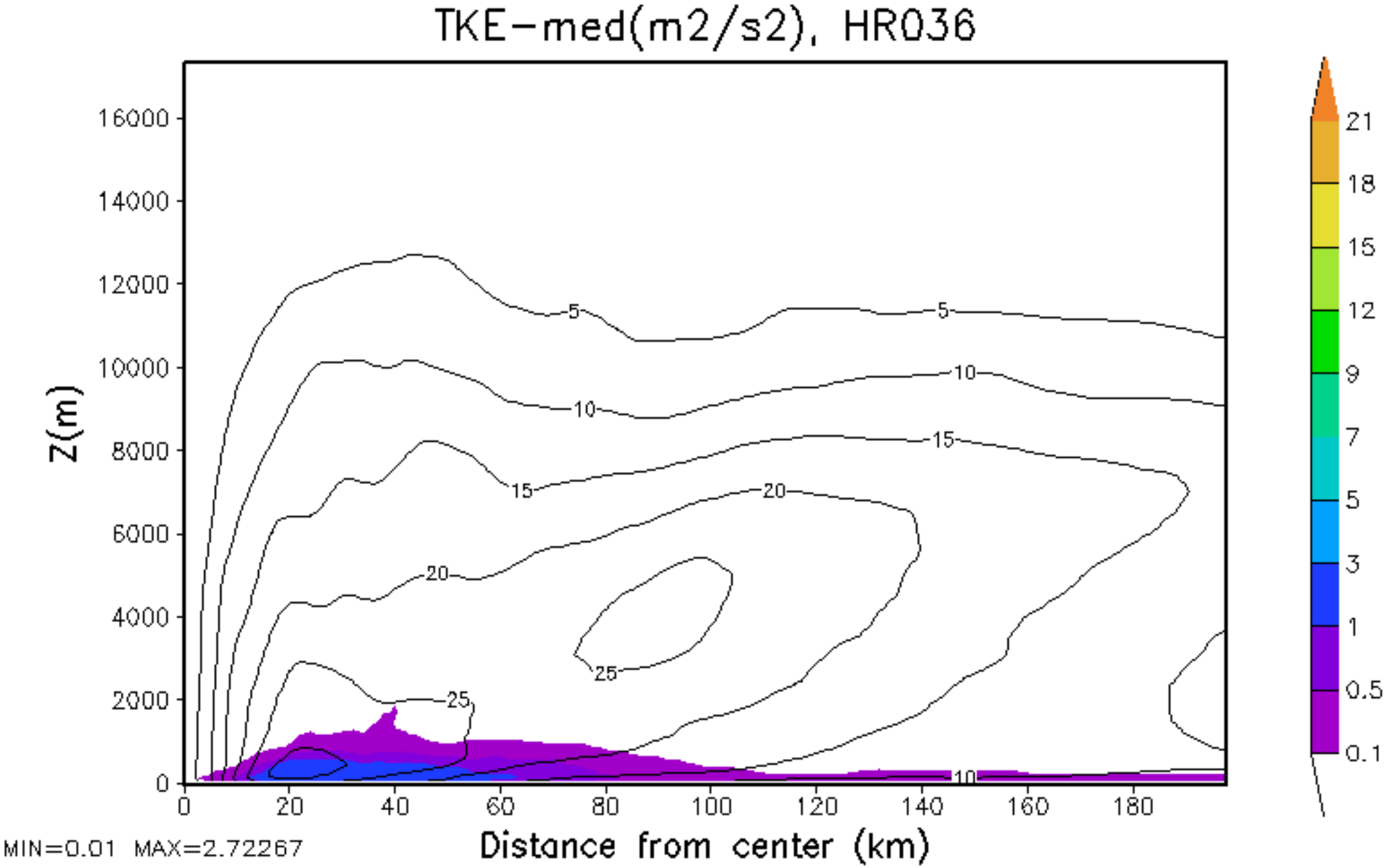

TKE (m2/s2), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999933 MAX=15.1591

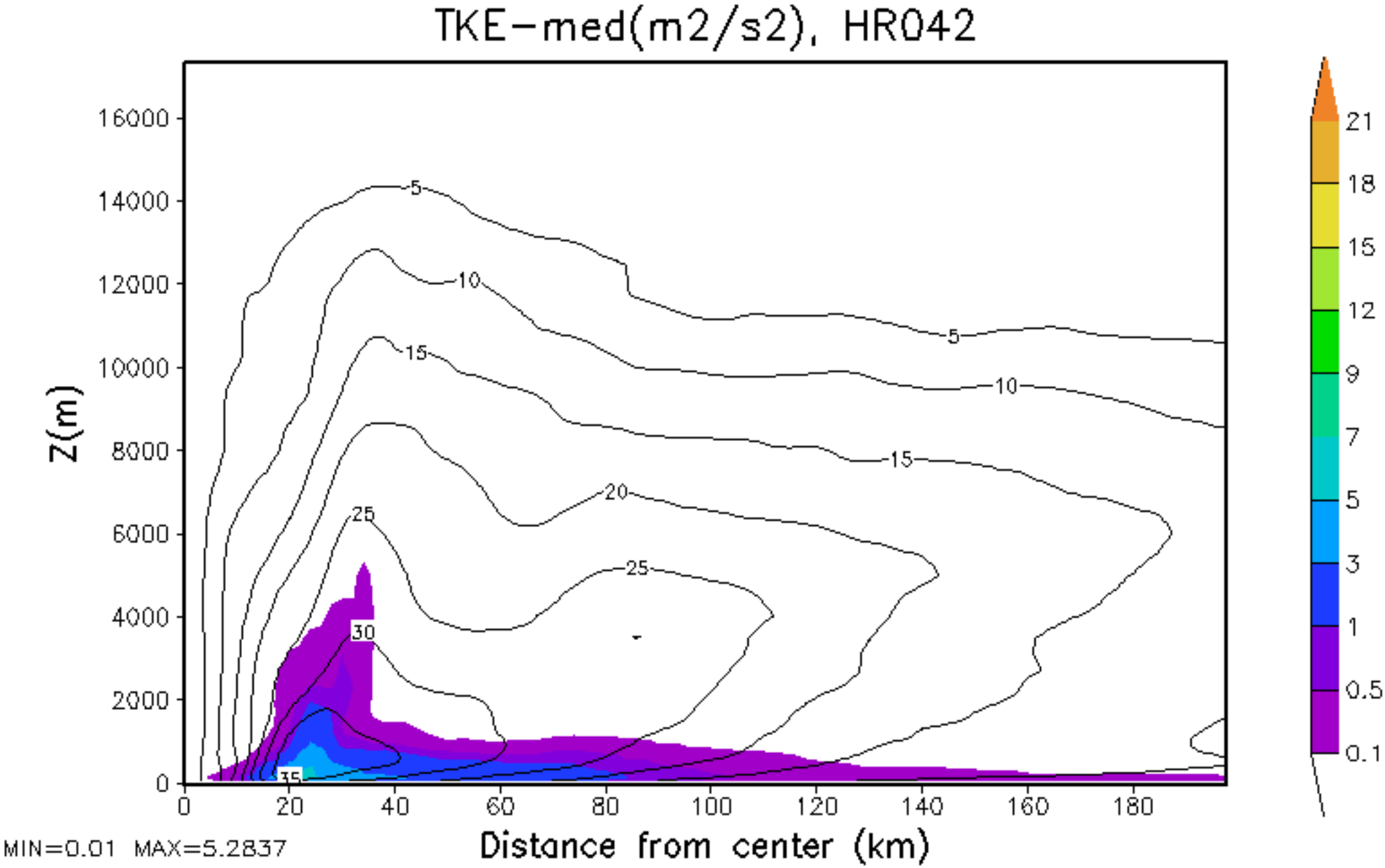

TKE (m2/s2), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=12.2793

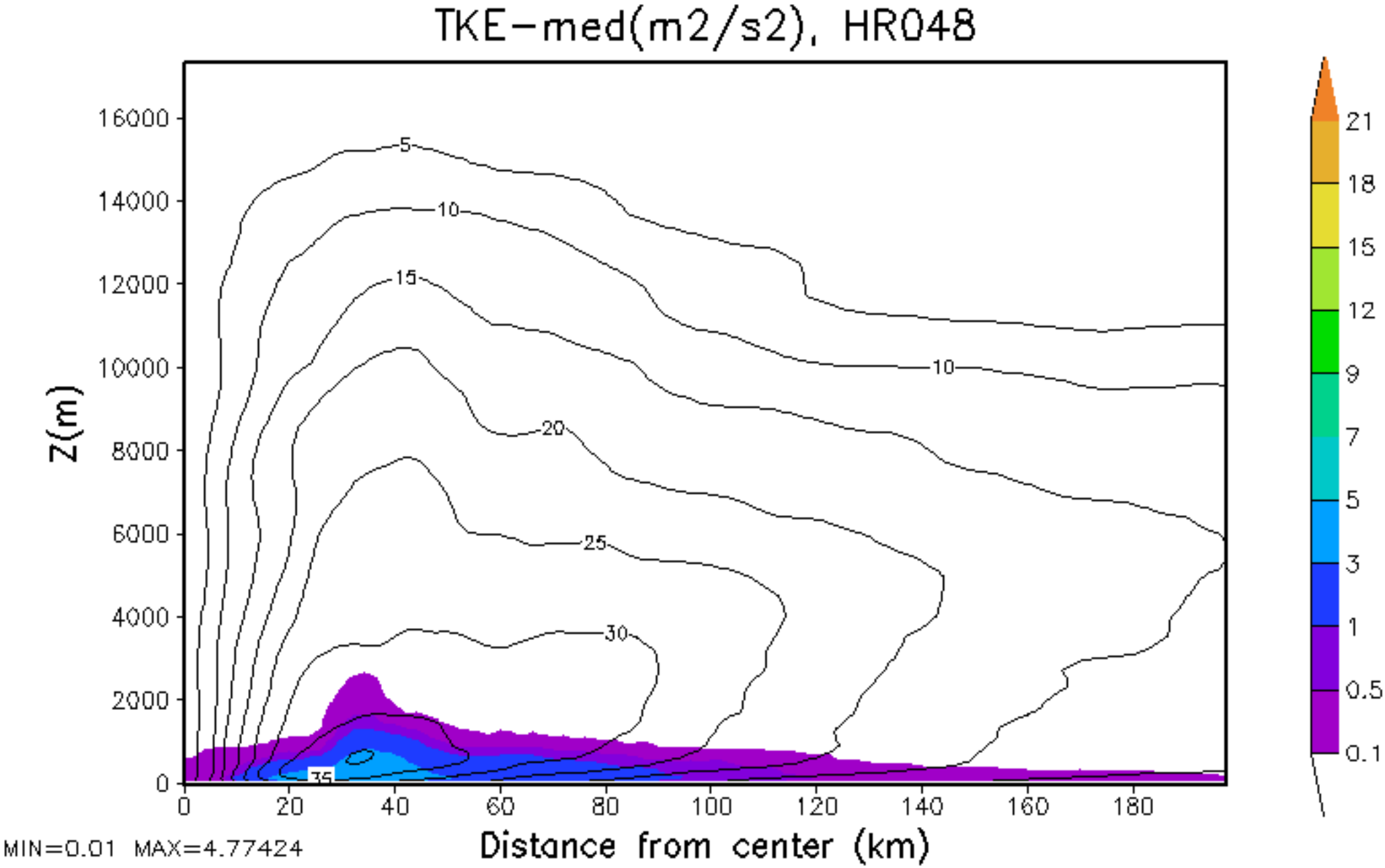

TKE (m2/s2), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=18.0577

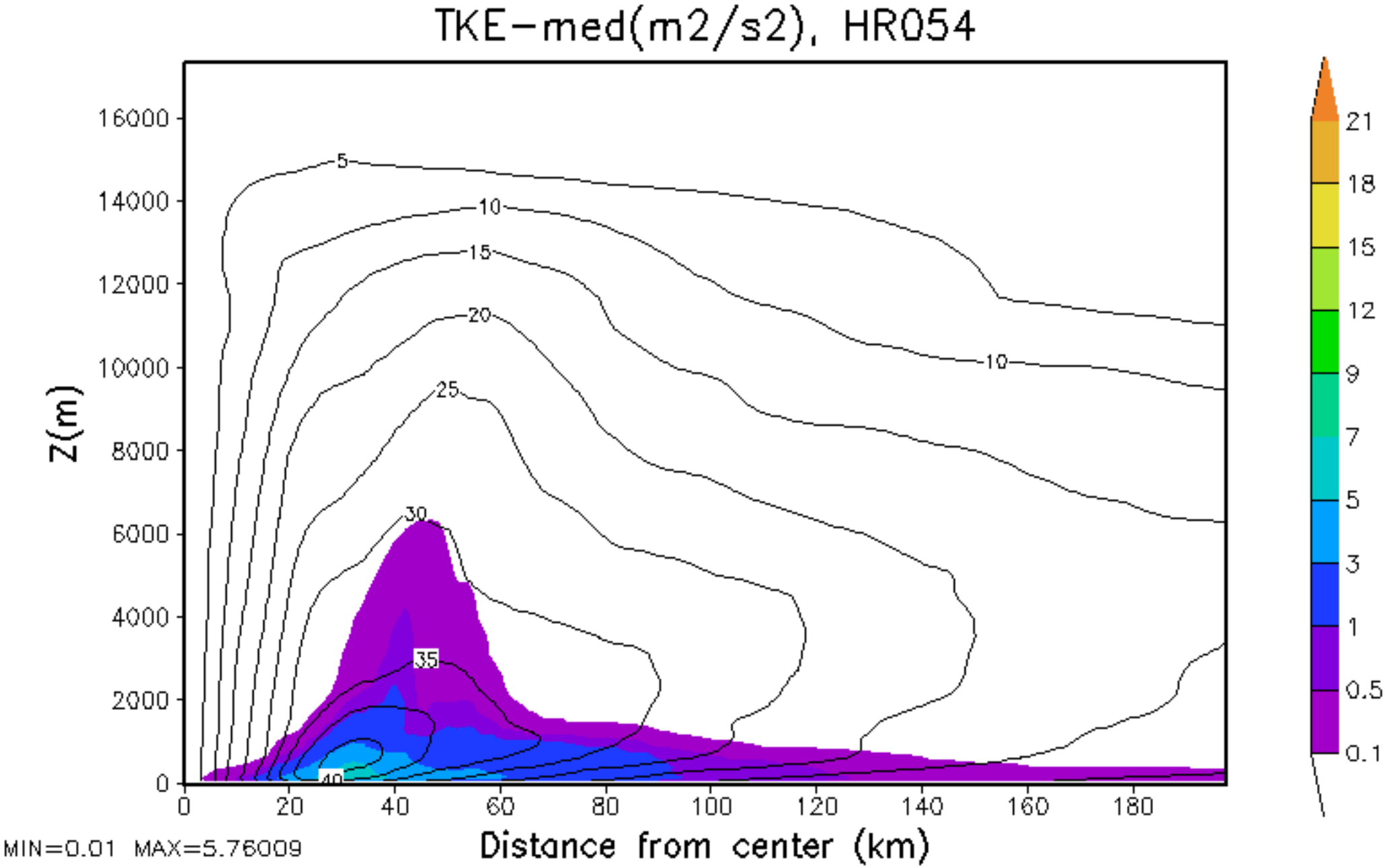

TKE (m2/s2), HR120
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
5
10
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999997 MAX=13.3246

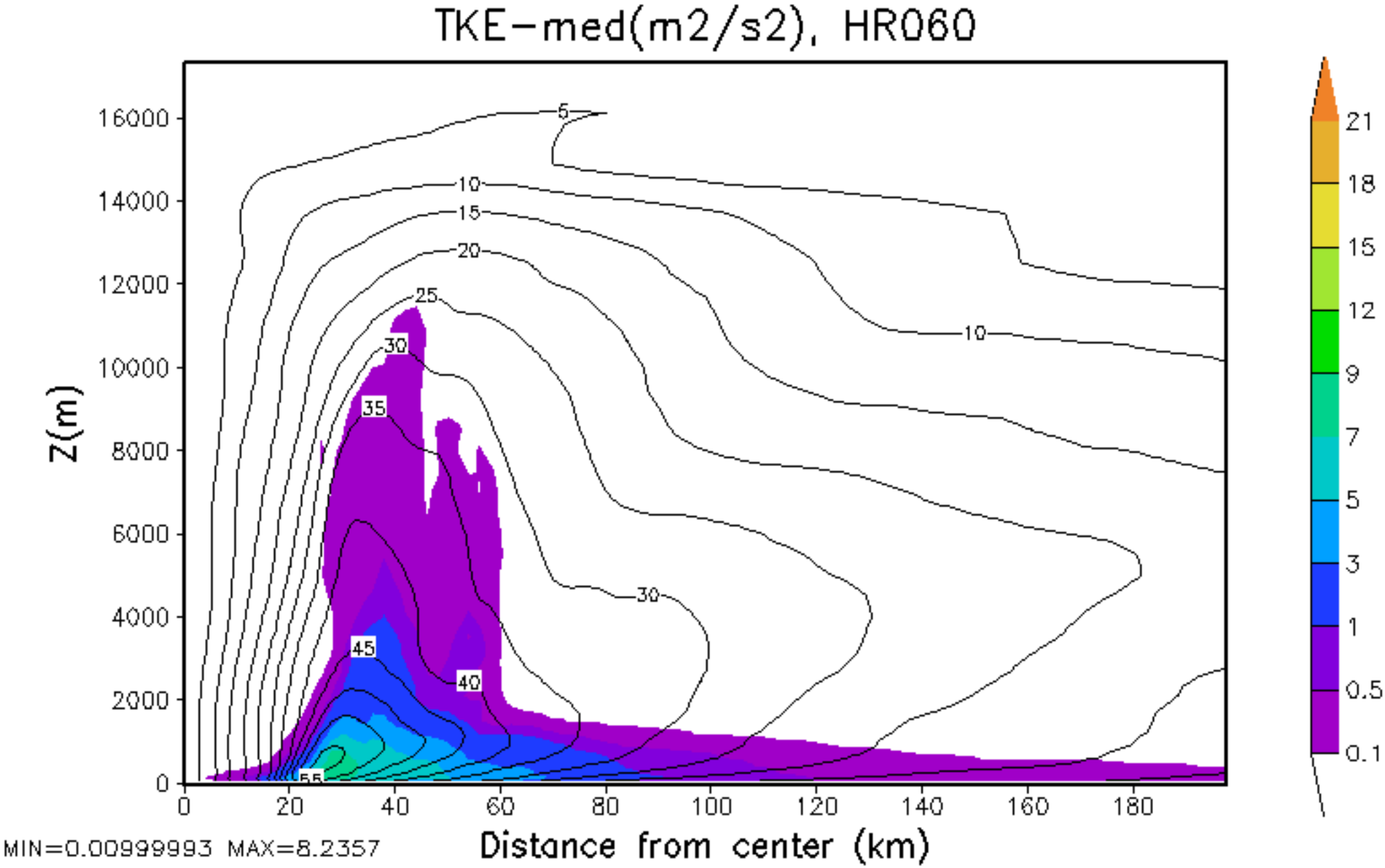

TKE (m2/s2), HR126
Z(m)
Distance from center (km)
MIN=0.00999999 MAX=12.6098
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1

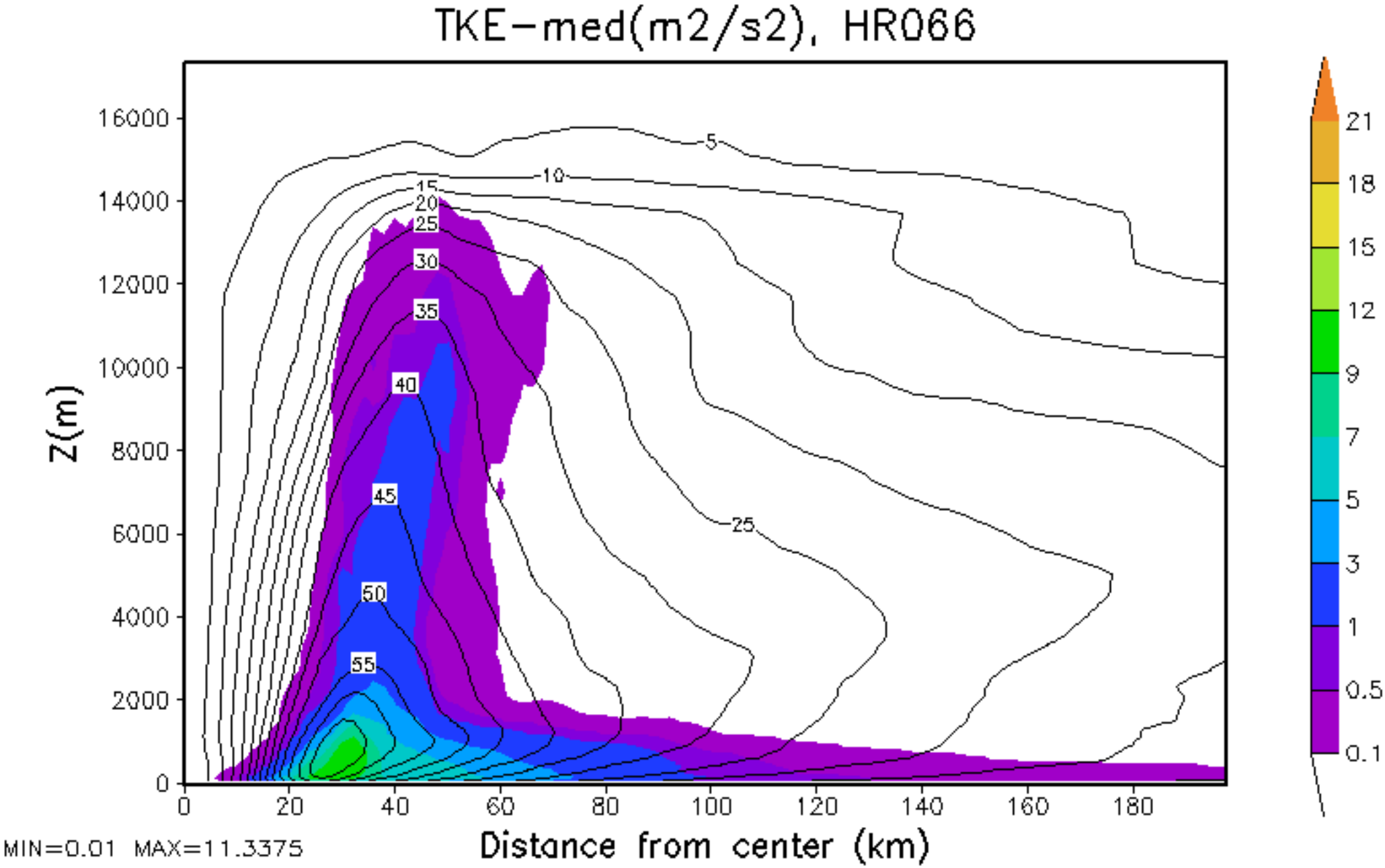

TKE-med(m2/s2), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=2.72267

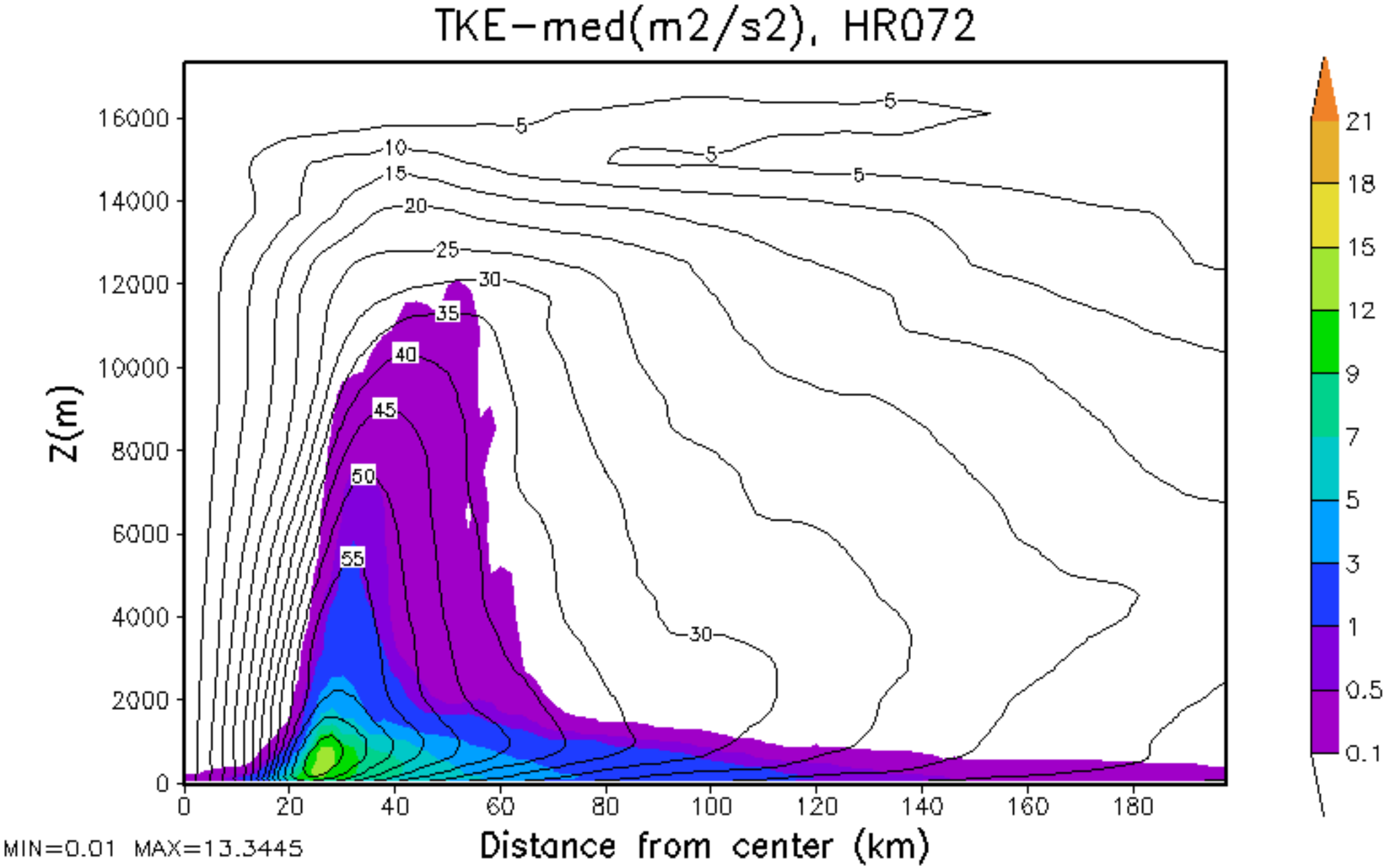

TKE-med(m2/s2), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=5.2837

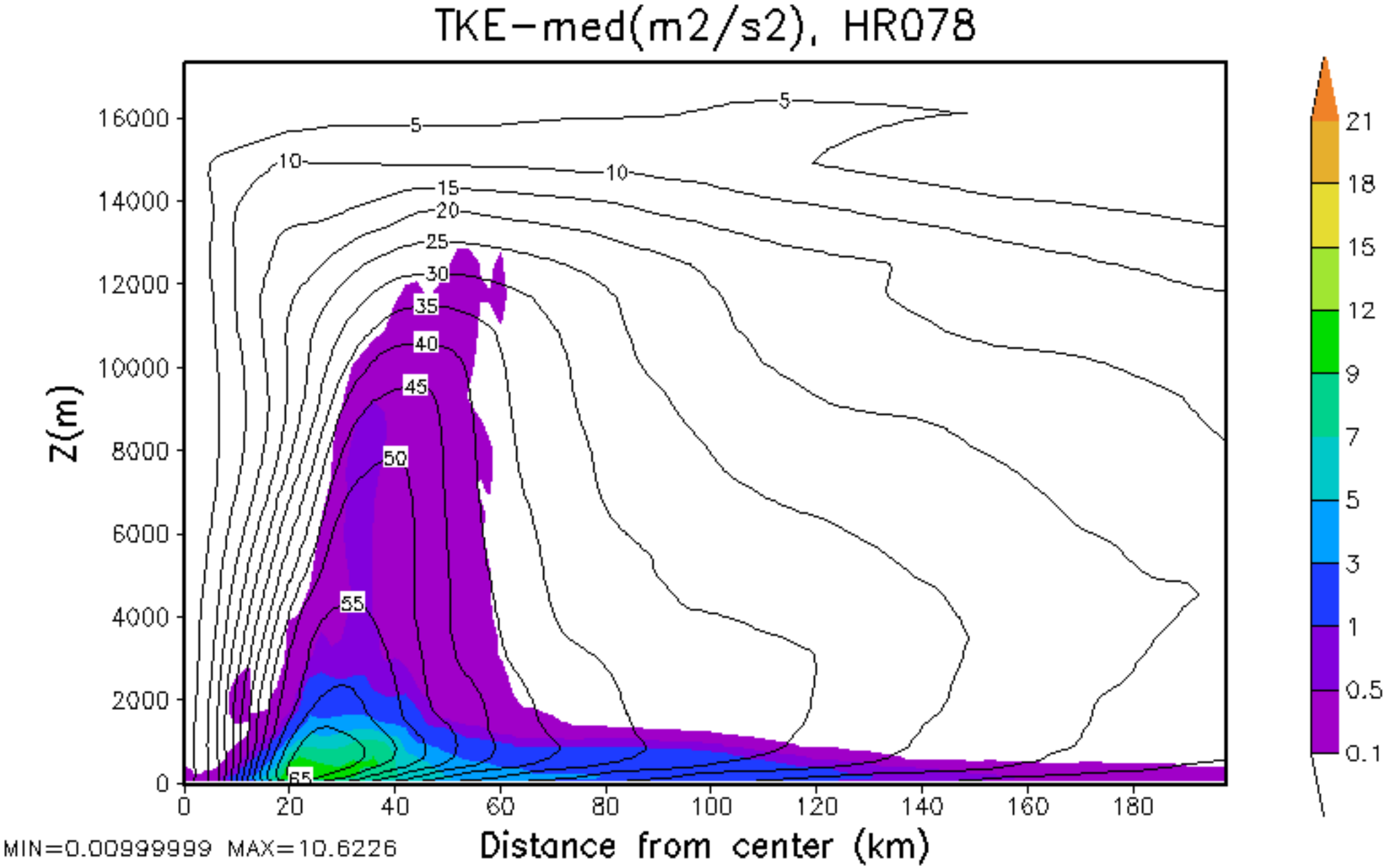

TKE-med(m2/s2), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
10
20
25
30
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=4.77424

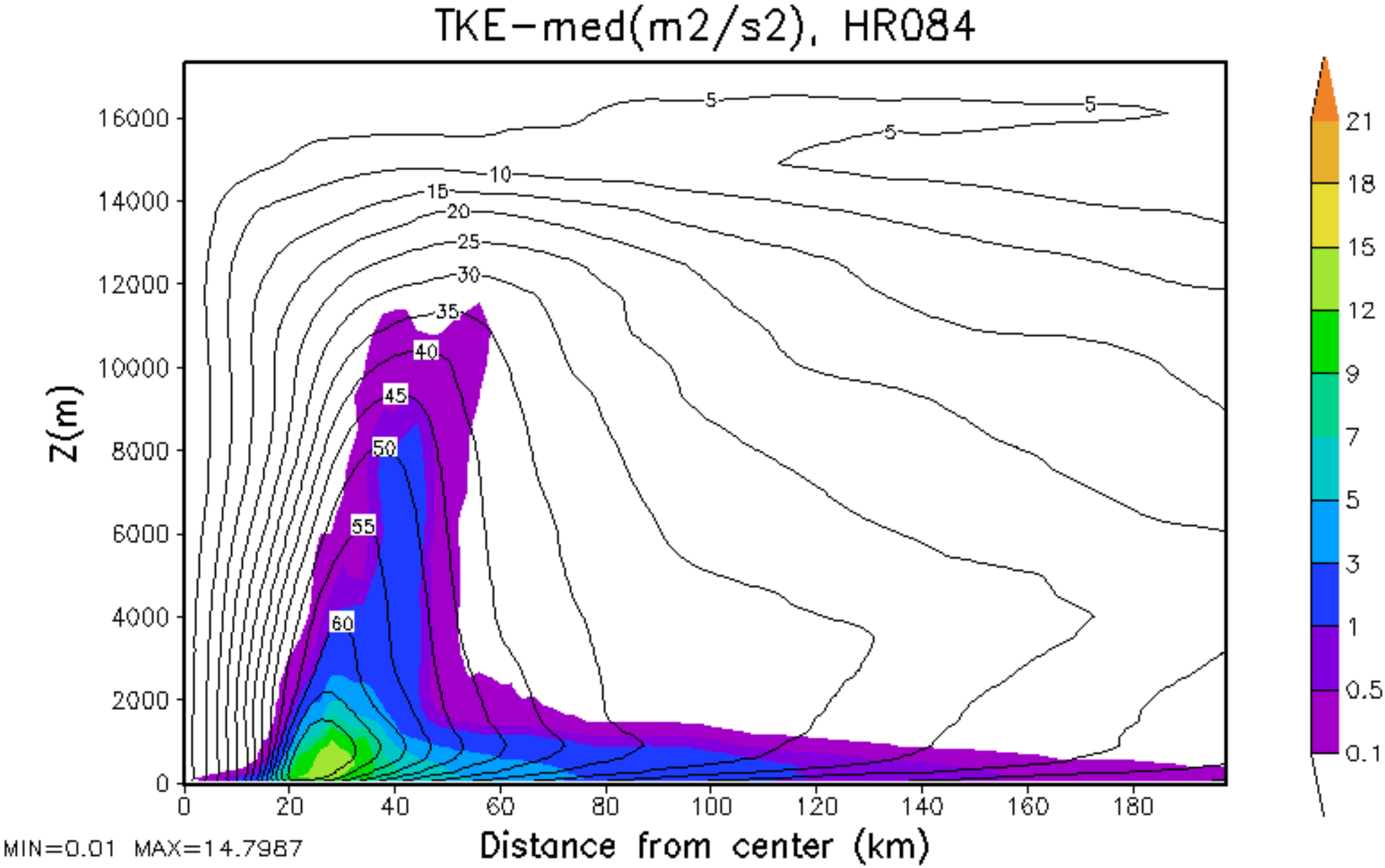

TKE-med(m2/s2), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
10
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=5.76009

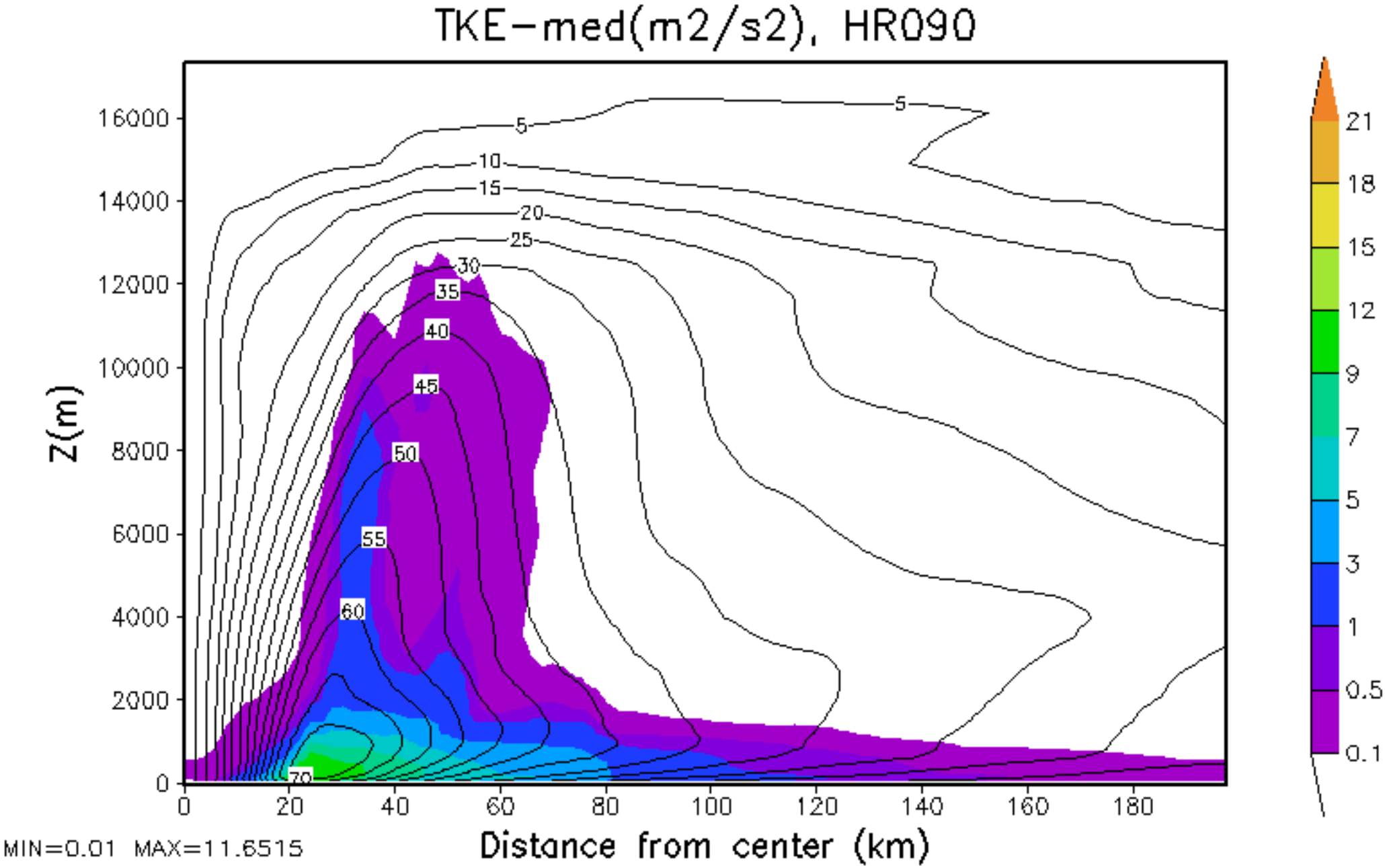

TKE-med(m2/s2), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
55
10
30
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999993 MAX=8.2357

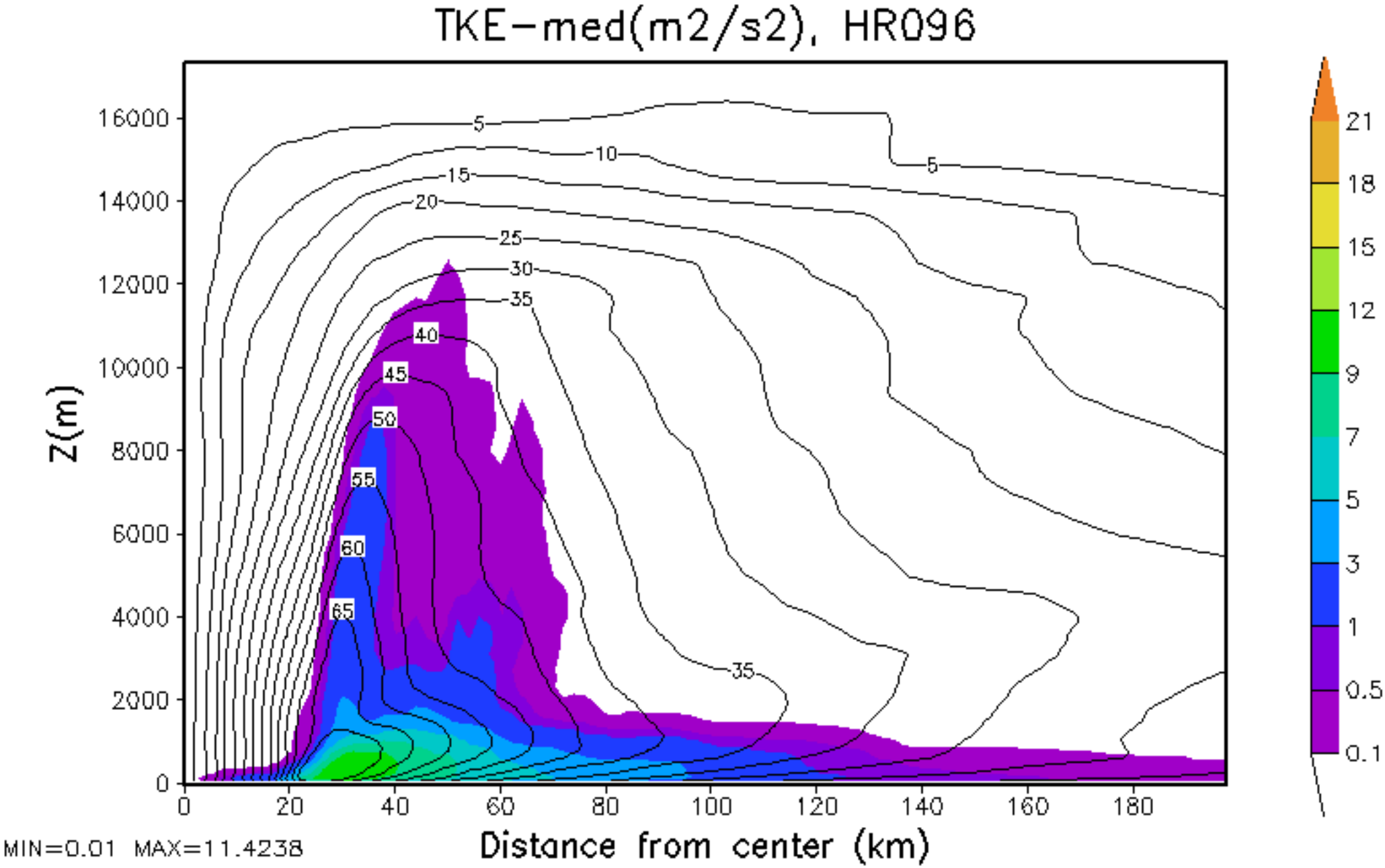

TKE-med(m2/s2), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
25
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=11.3375

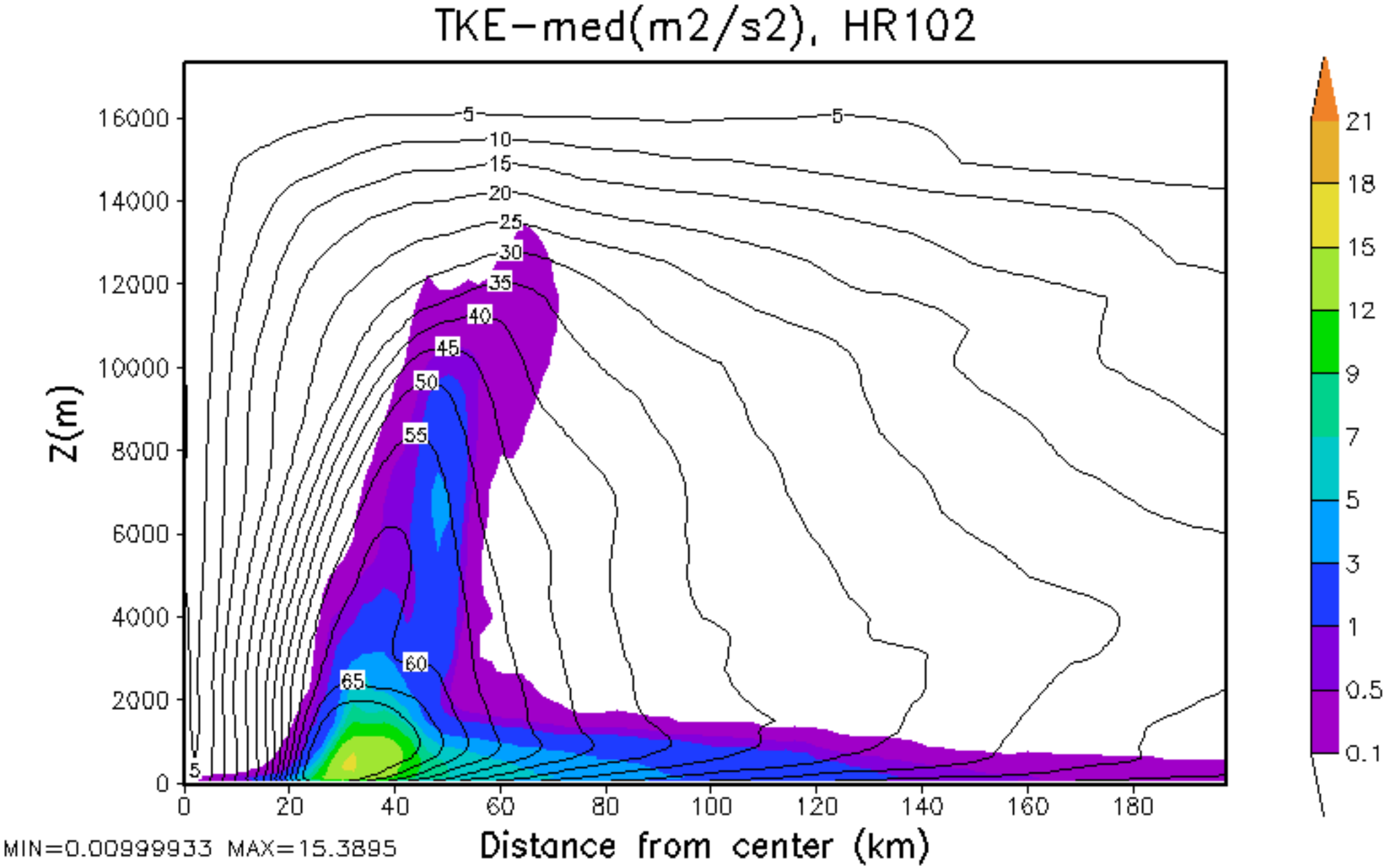

TKE-med(m2/s2), HR072
Z(m)
Distance from center (km)
MIN=0.01 MAX=13.3445
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
21
18
15
12
9
7
5
3
1
0.5
0.1

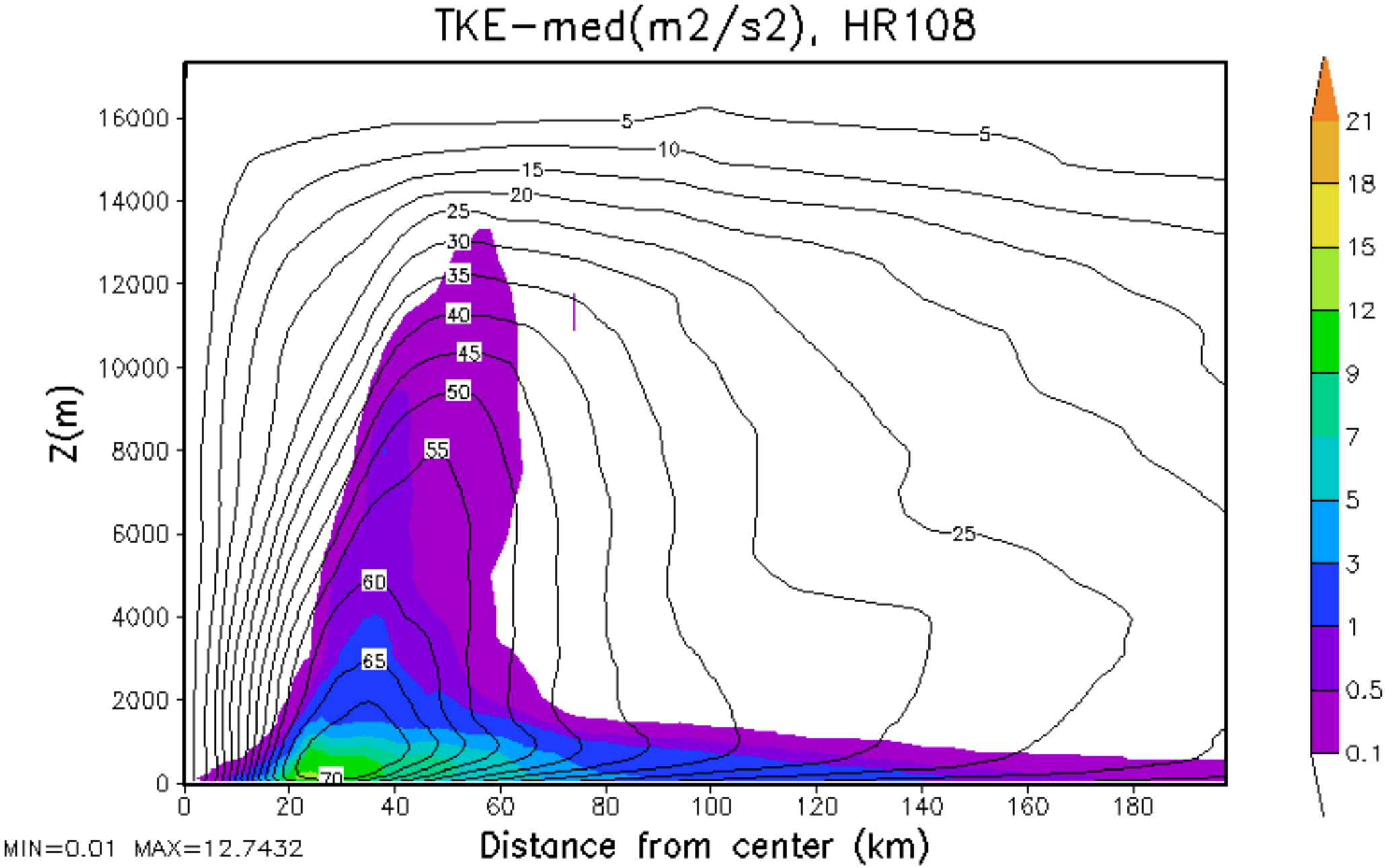

TKE-med(m2/s2), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999999 MAX=10.6226

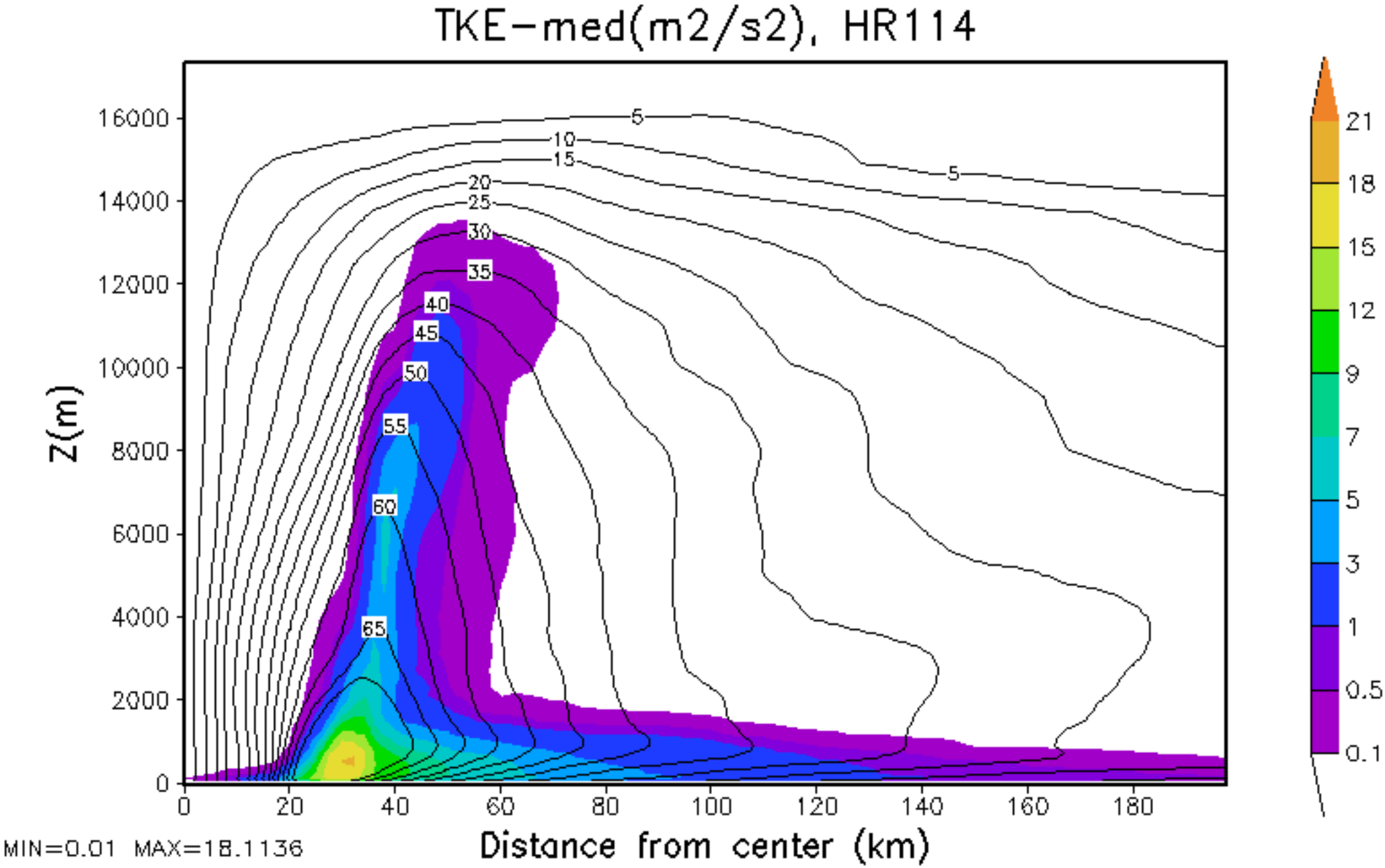

TKE-med(m2/s2), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=14.7987

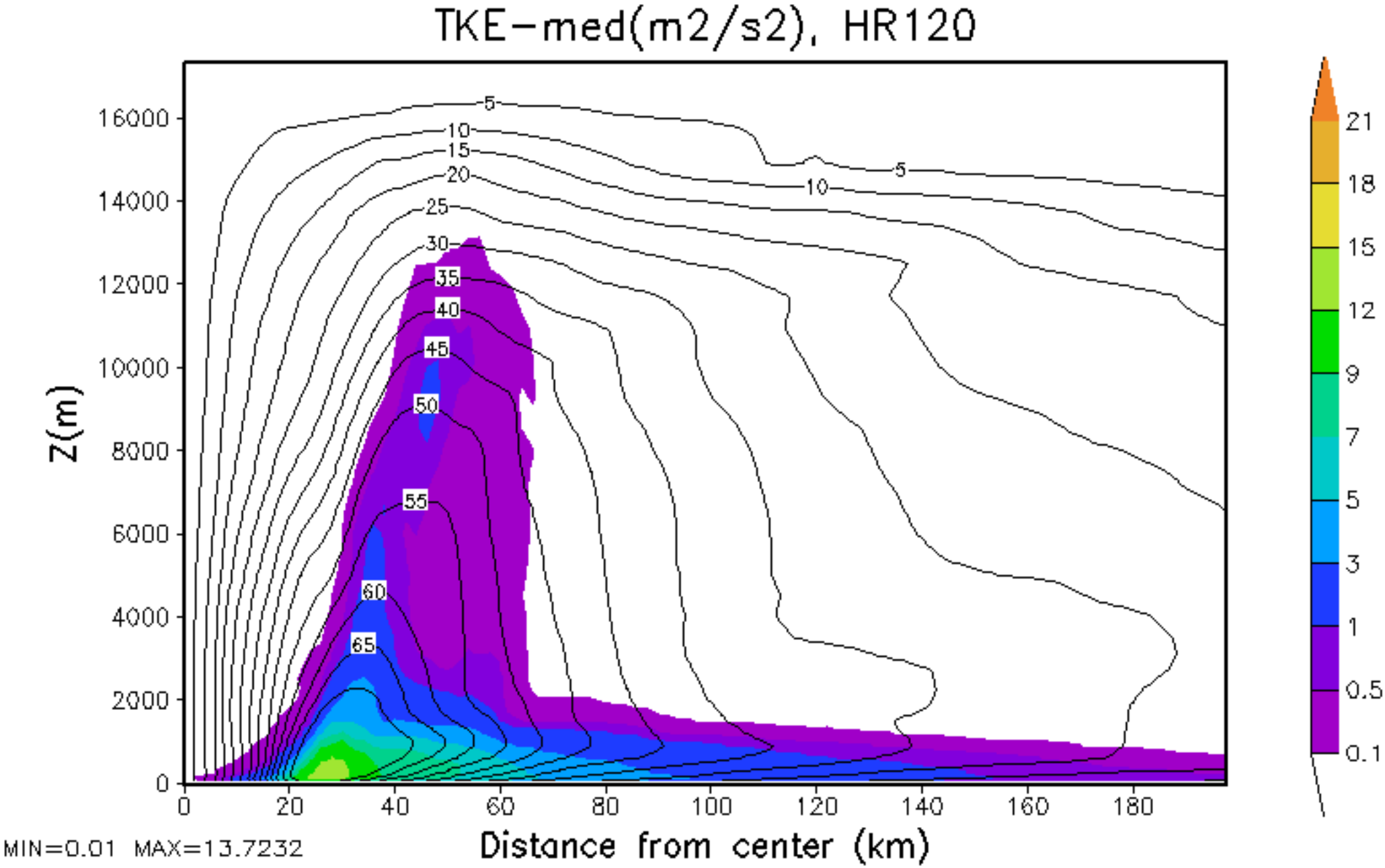

TKE-med(m2/s2), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
70
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=11.6515

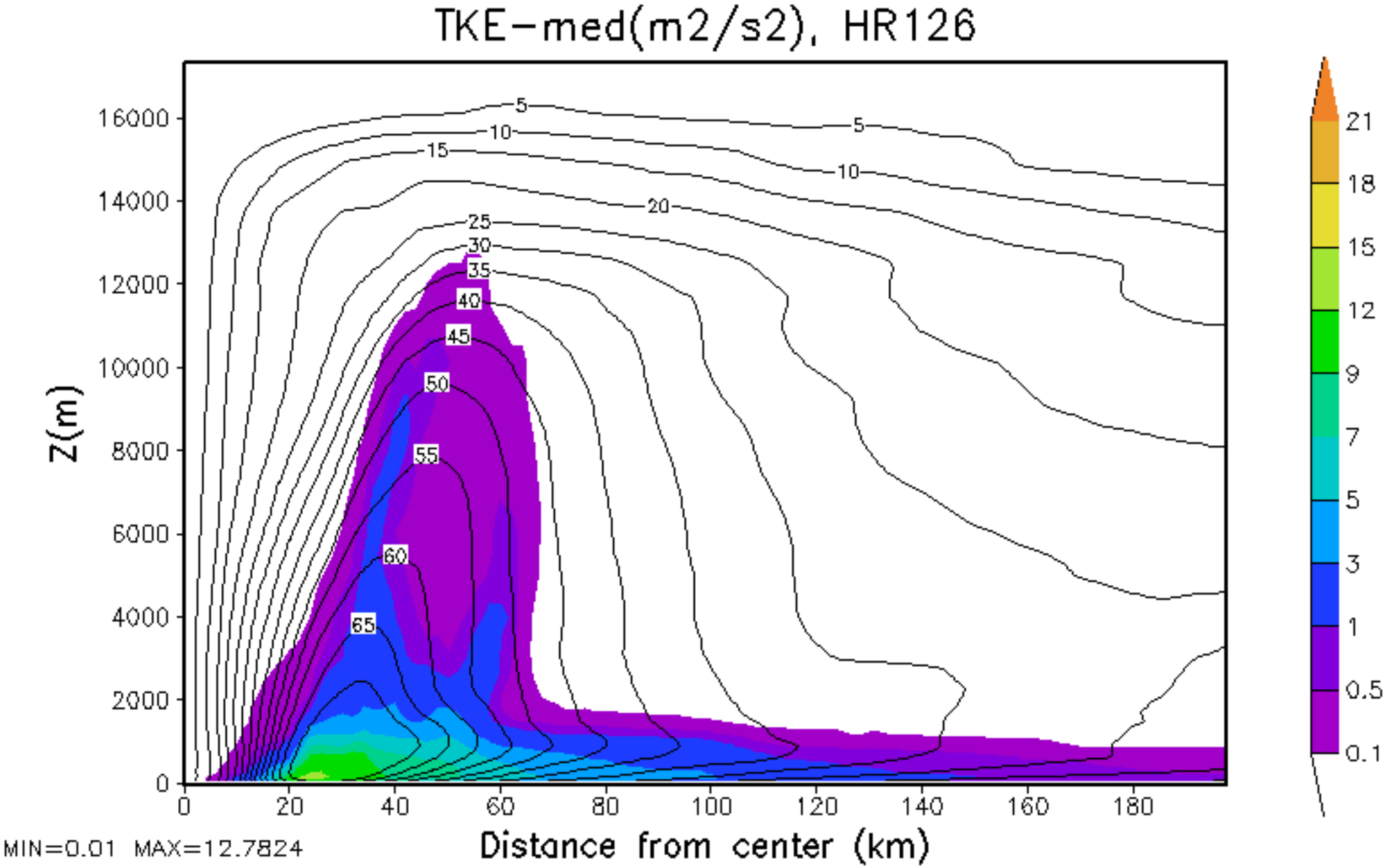

TKE-med(m2/s2), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
35
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=11.4238

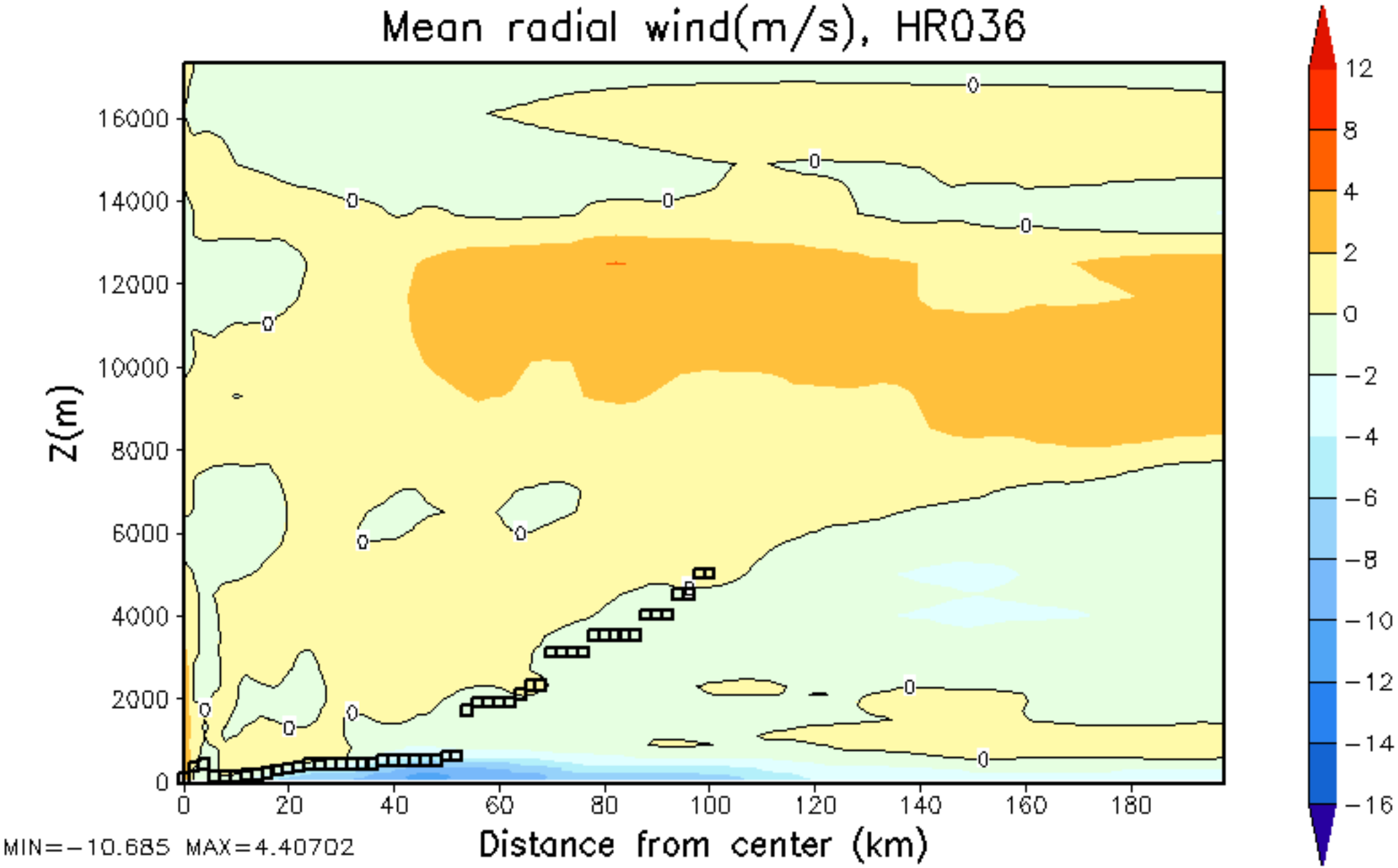

TKE-med(m2/s2), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.00999933 MAX=15.3895

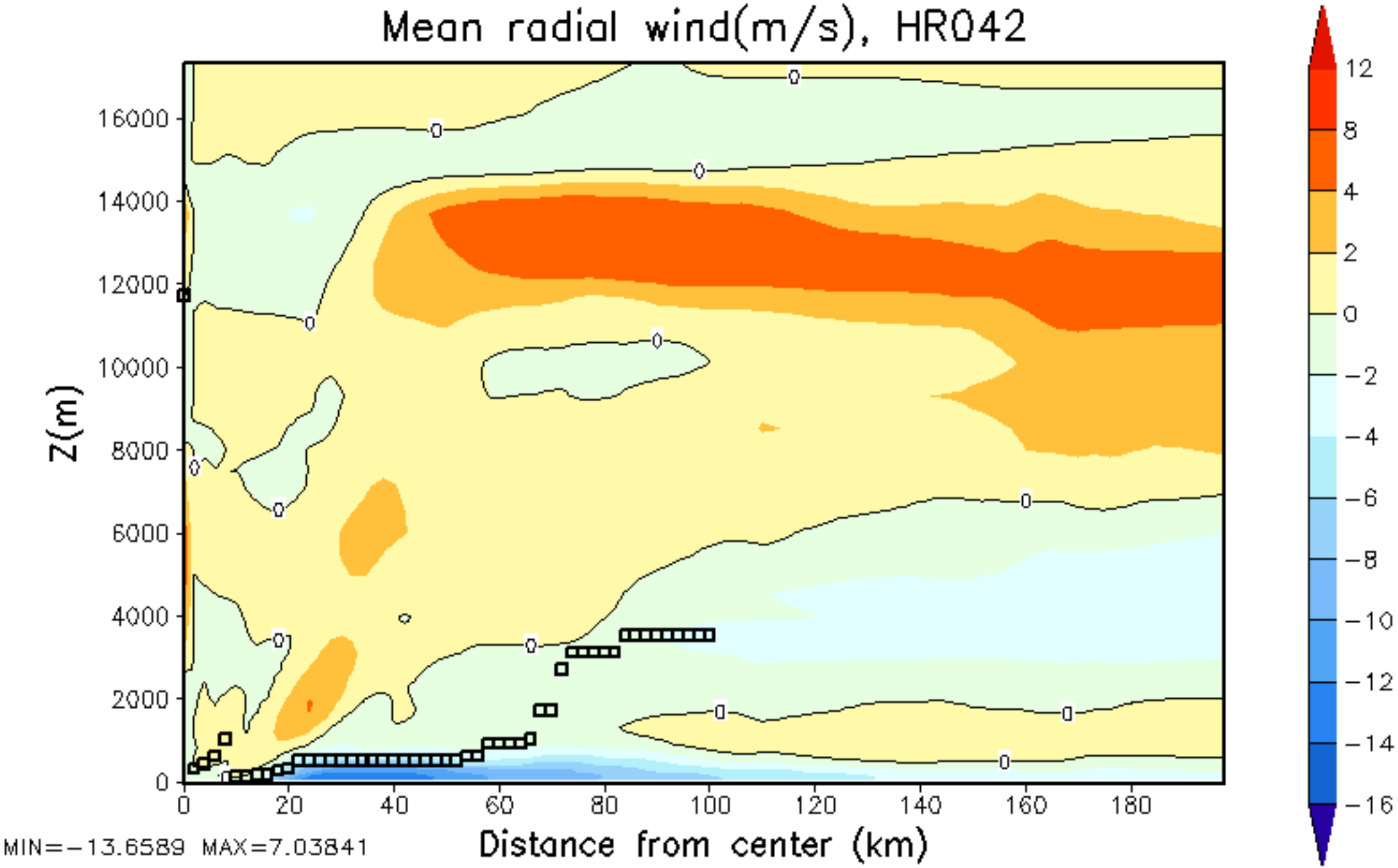

TKE-med(m2/s2), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=12.7432

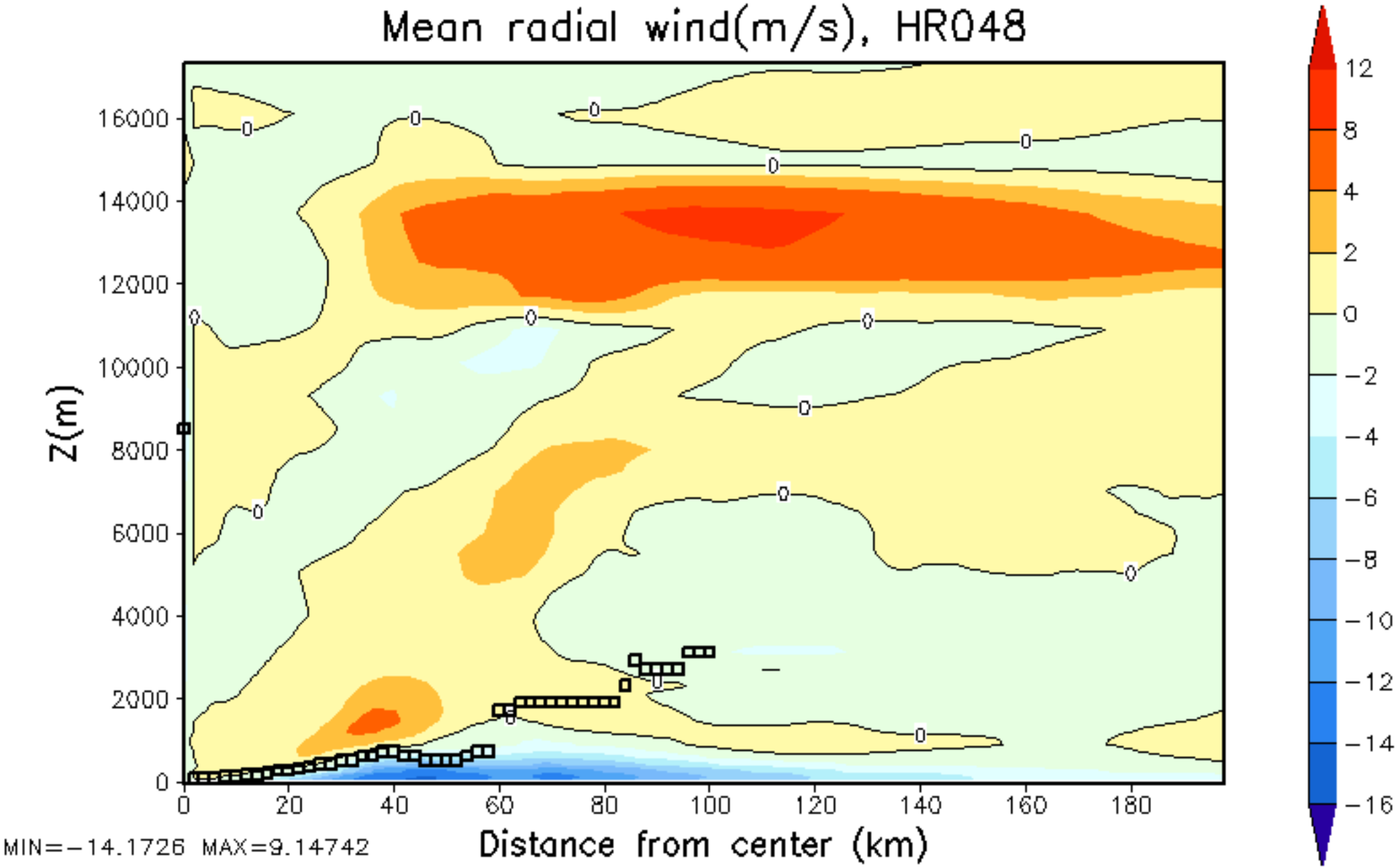

TKE-med(m2/s2), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1
MIN=0.01 MAX=18.1136

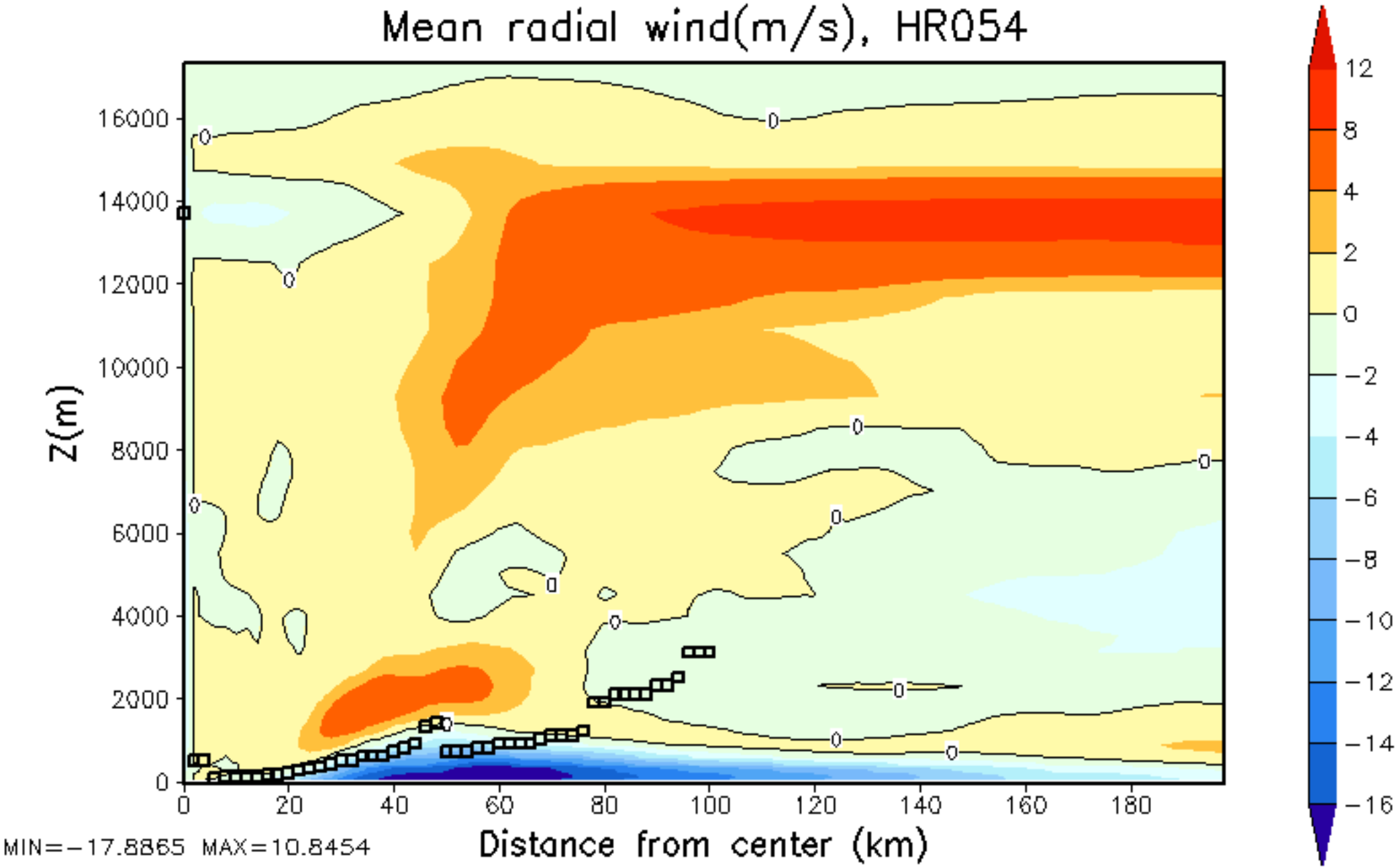

TKE-med(m2/s2), HR120
Z(m)
Distance from center (km)
MIN=0.01 MAX=13.7232
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1

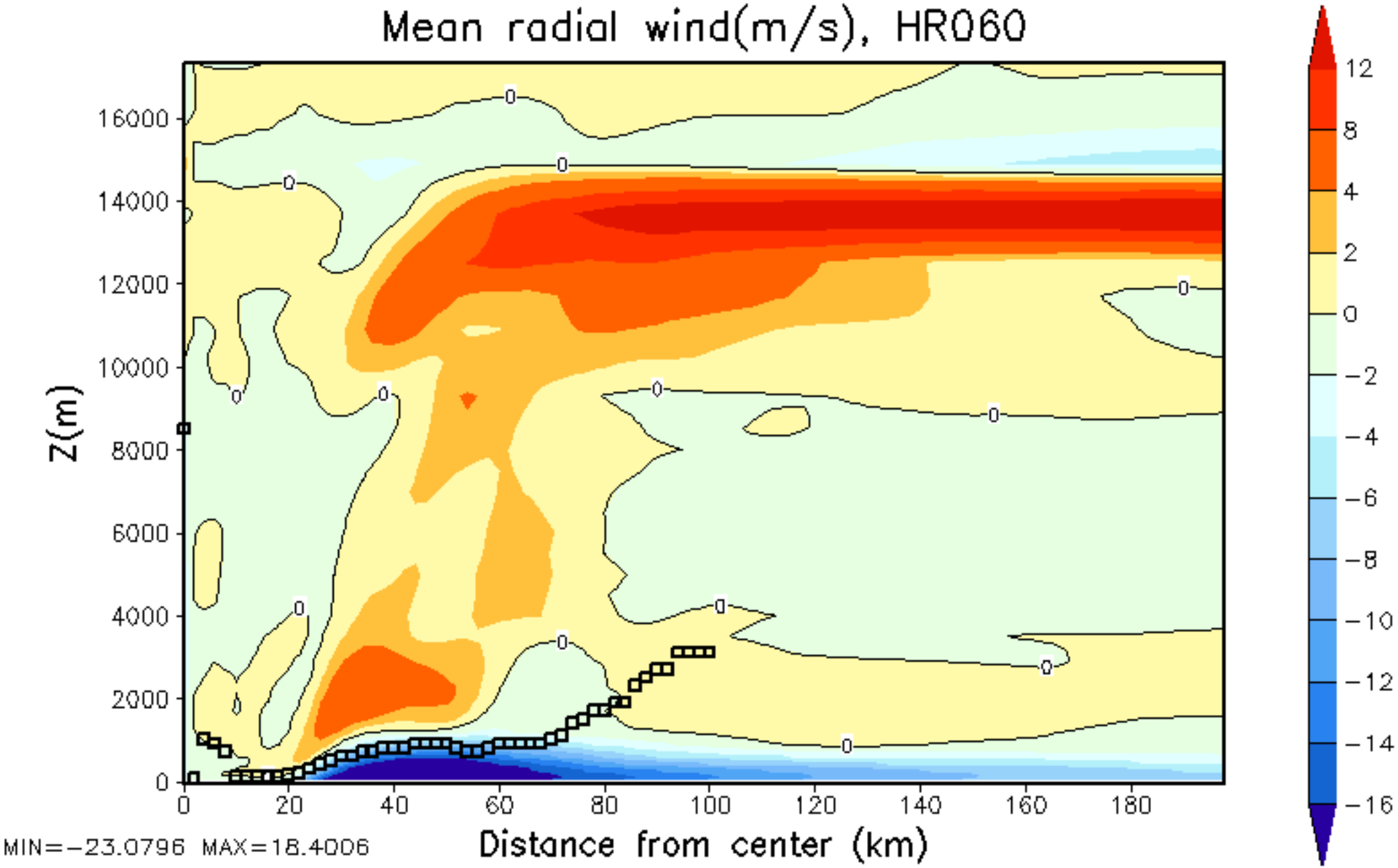

TKE-med(m2/s2), HR126
Z(m)
Distance from center (km)
MIN=0.01 MAX=12.7824
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30
35
40
45
50
55
60
65
21
18
15
12
9
7
5
3
1
0.5
0.1

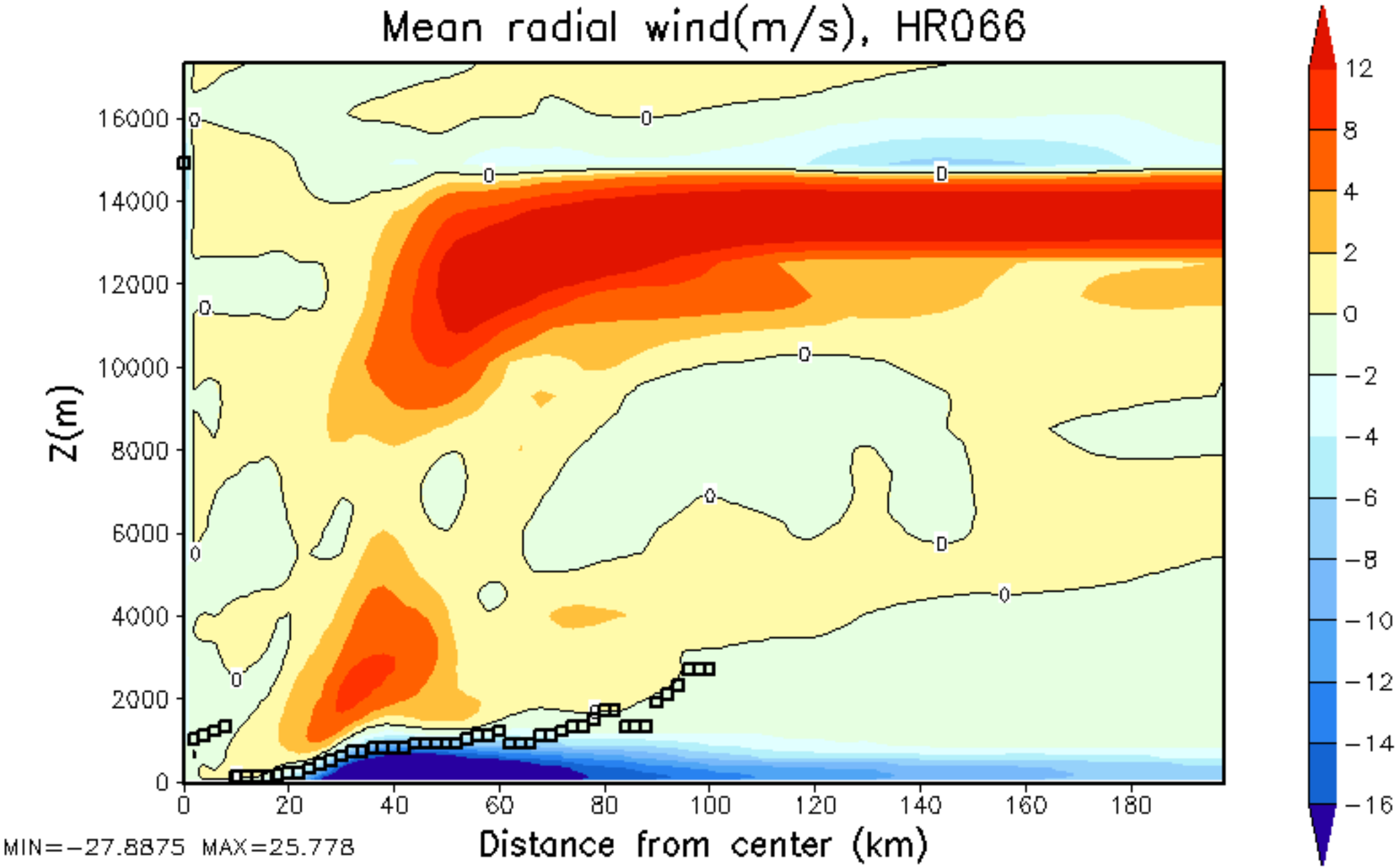

Mean radial wind(m/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-10.685 MAX=4.40702
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

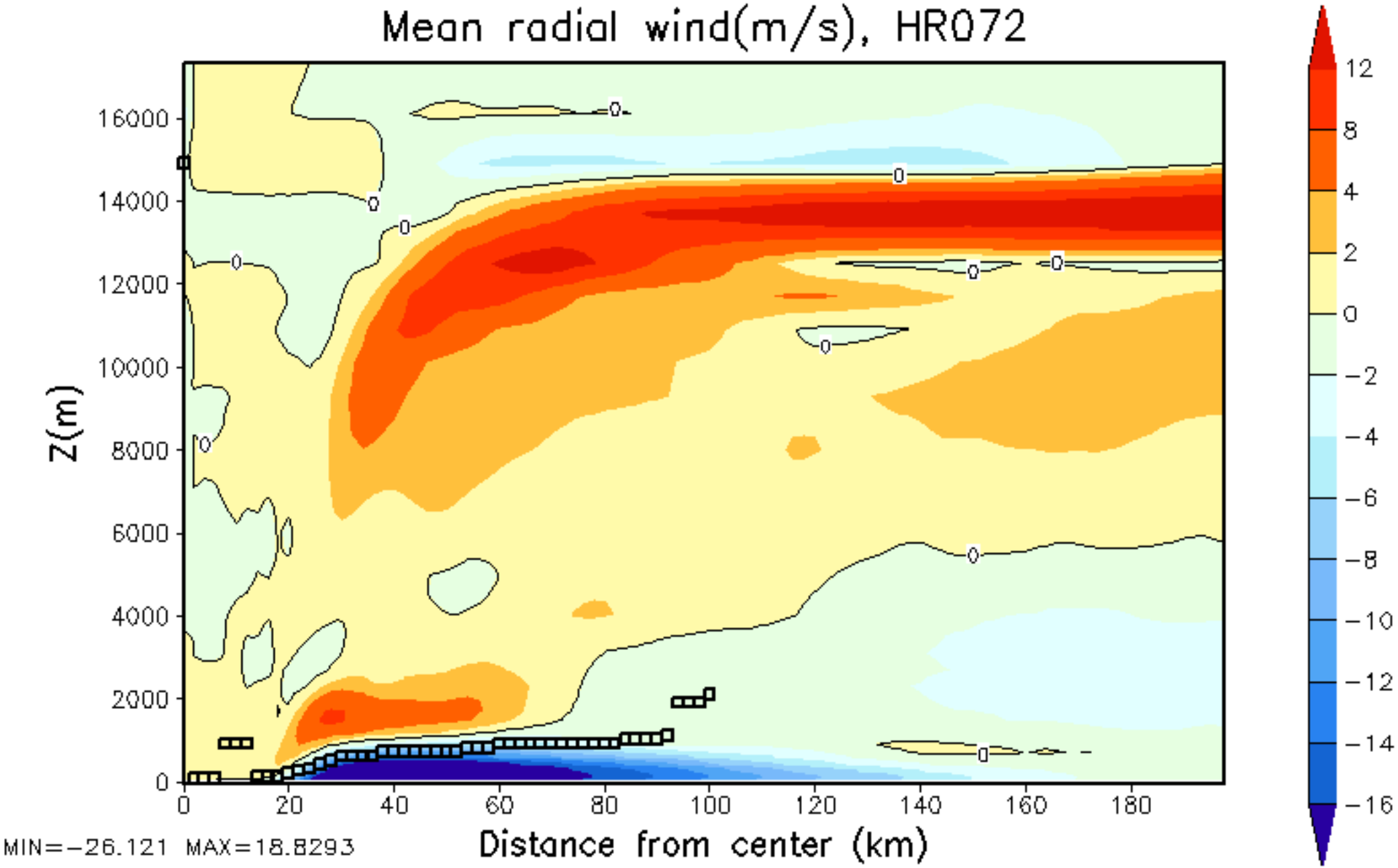

Mean radial wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-13.6589 MAX=7.03841
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

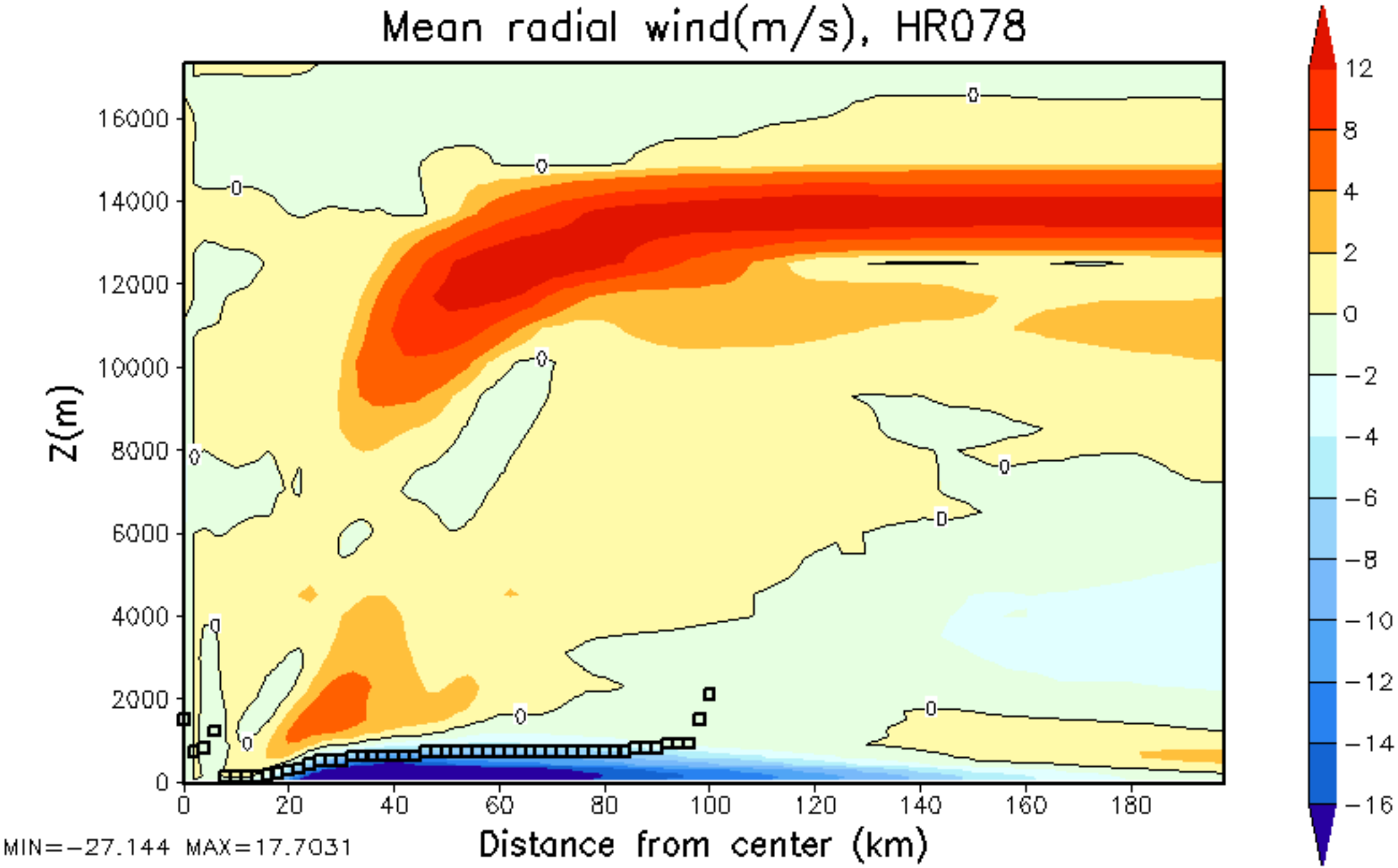

Mean radial wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-14.1726 MAX=9.14742
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

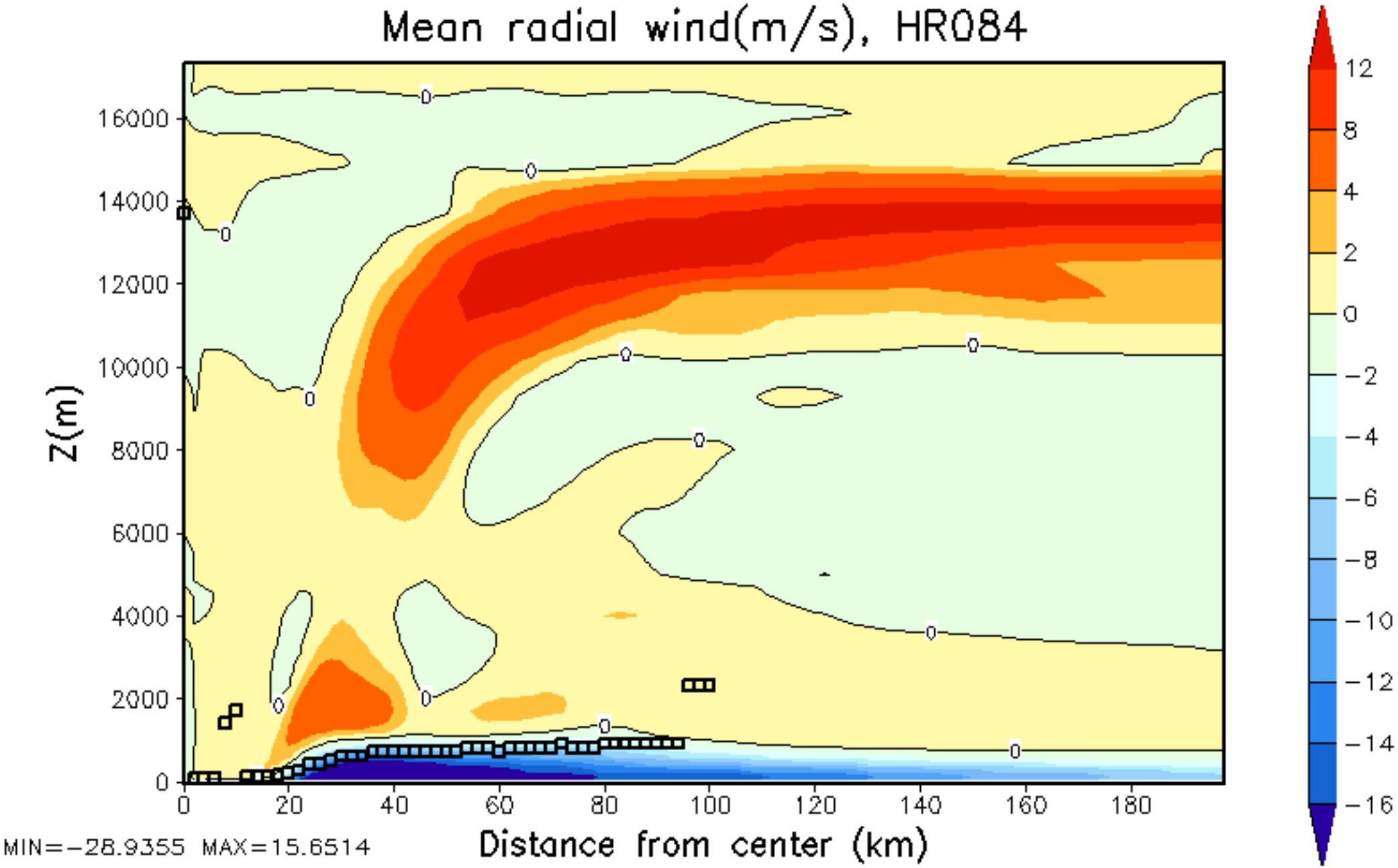

Mean radial wind(m/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−17.8865 MAX=10.8454
12
8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16

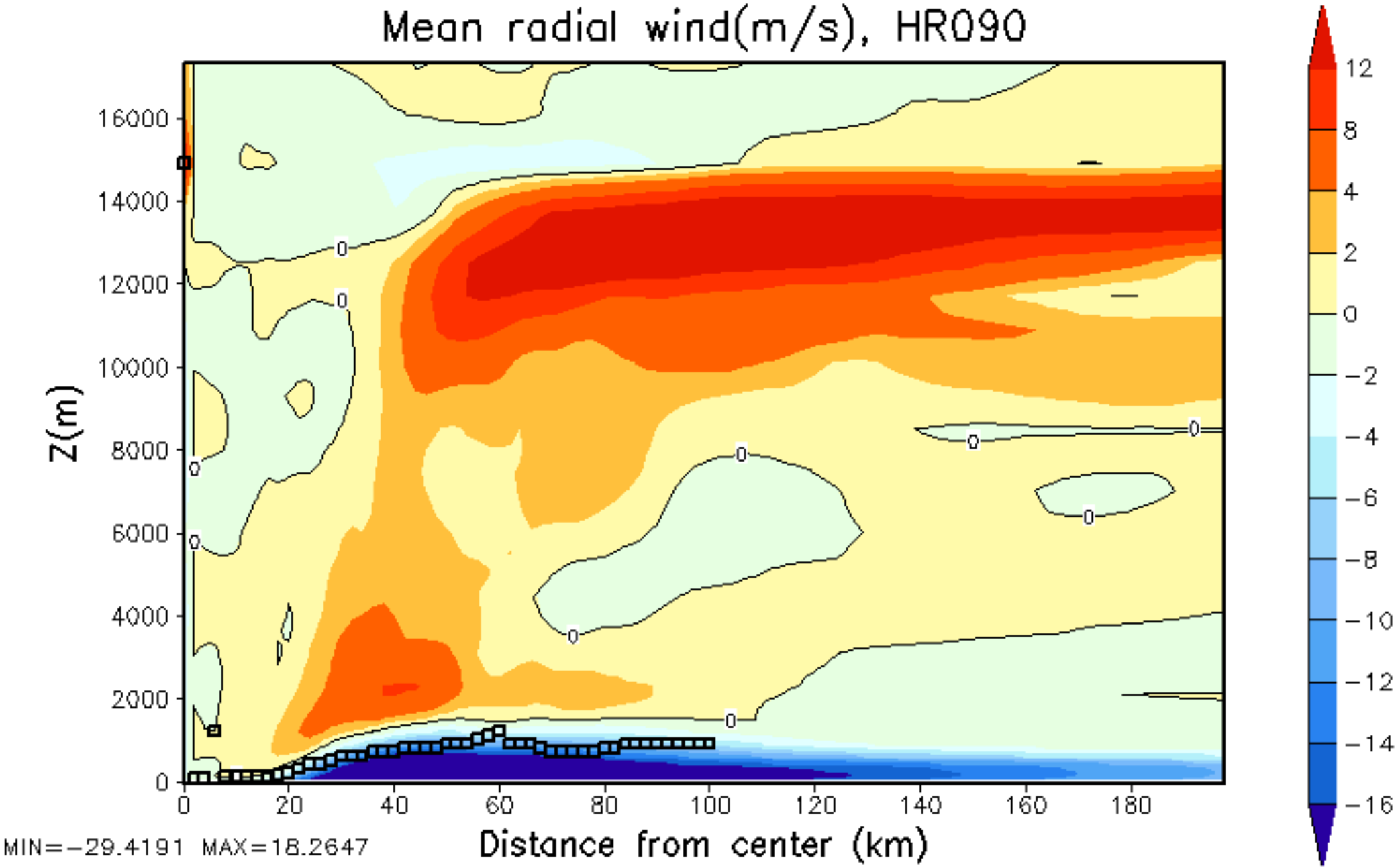

Mean radial wind(m/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-23.0796 MAX=18.4006
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

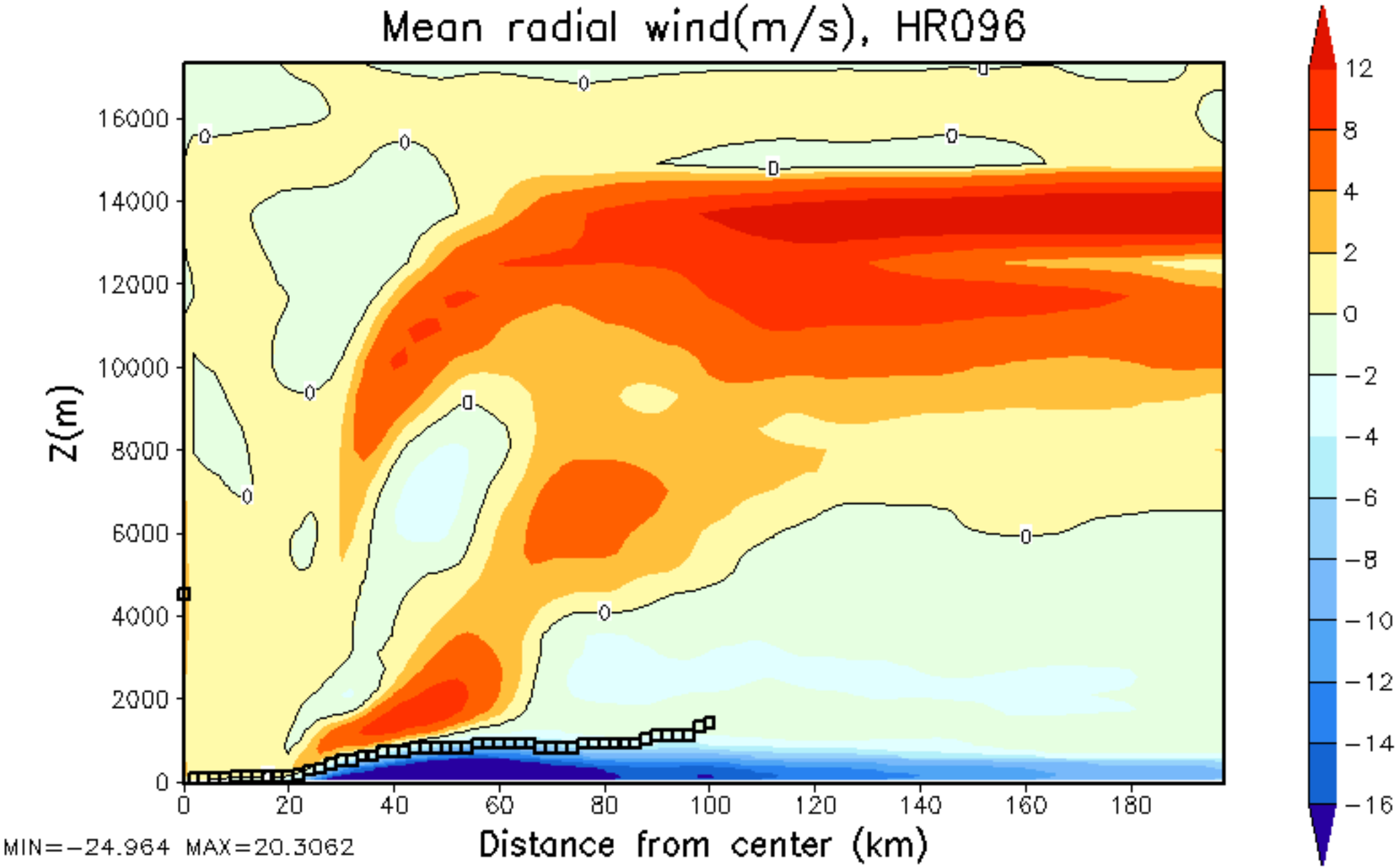

Mean radial wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-27.8875 MAX=25.778
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

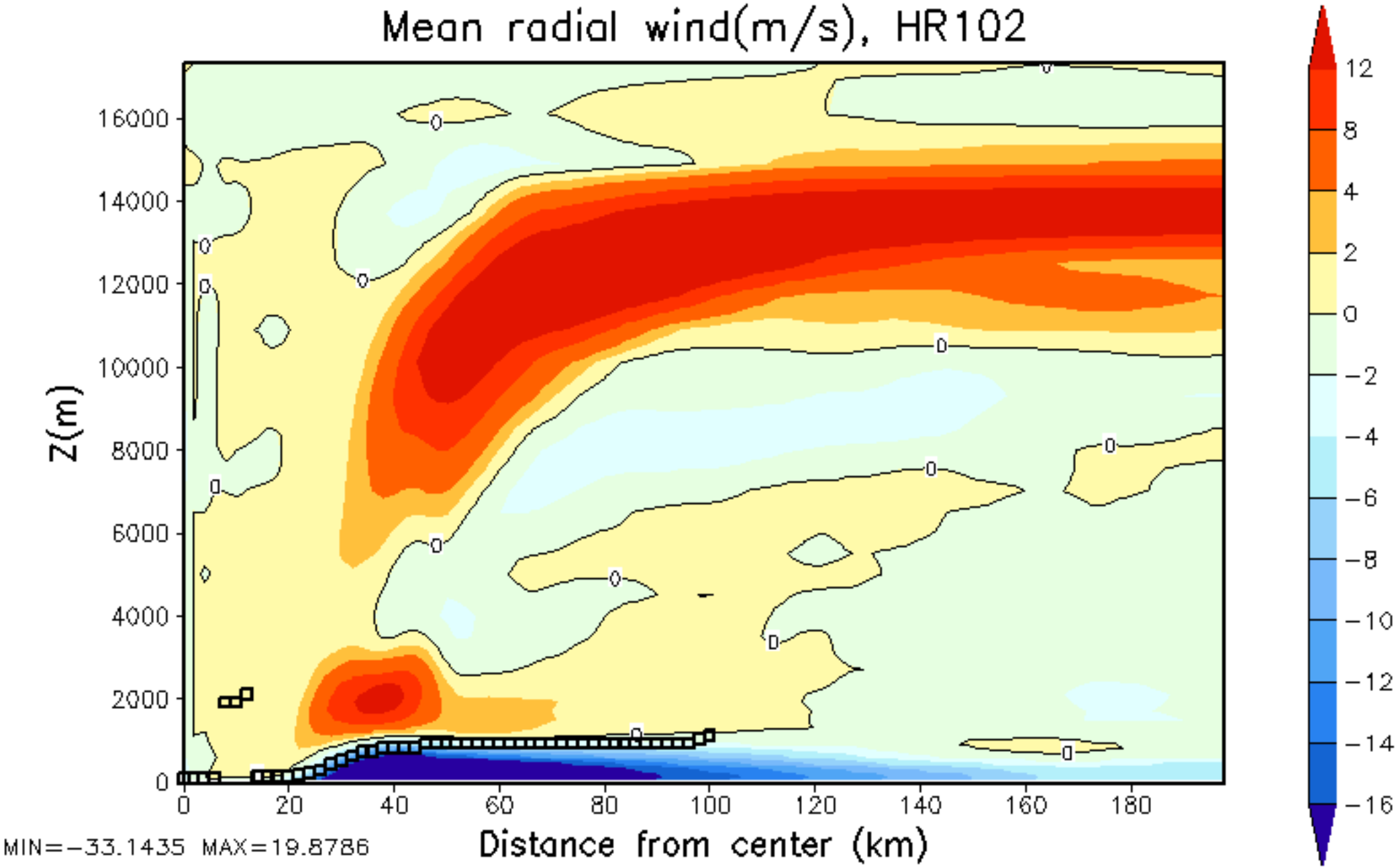

Mean radial wind(m/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-26.121 MAX=18.8293
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

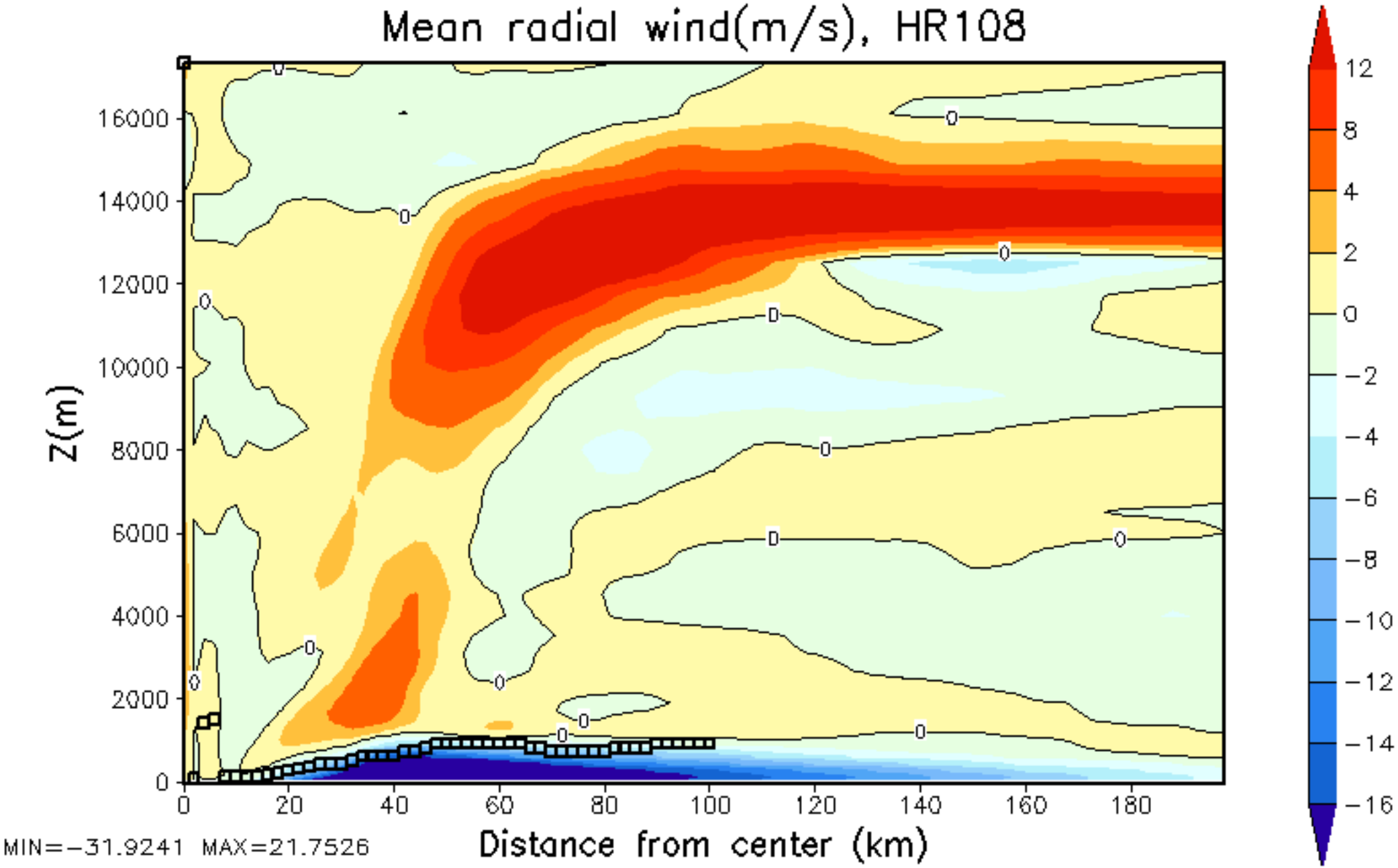

Mean radial wind(m/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-27.144 MAX=17.7031
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

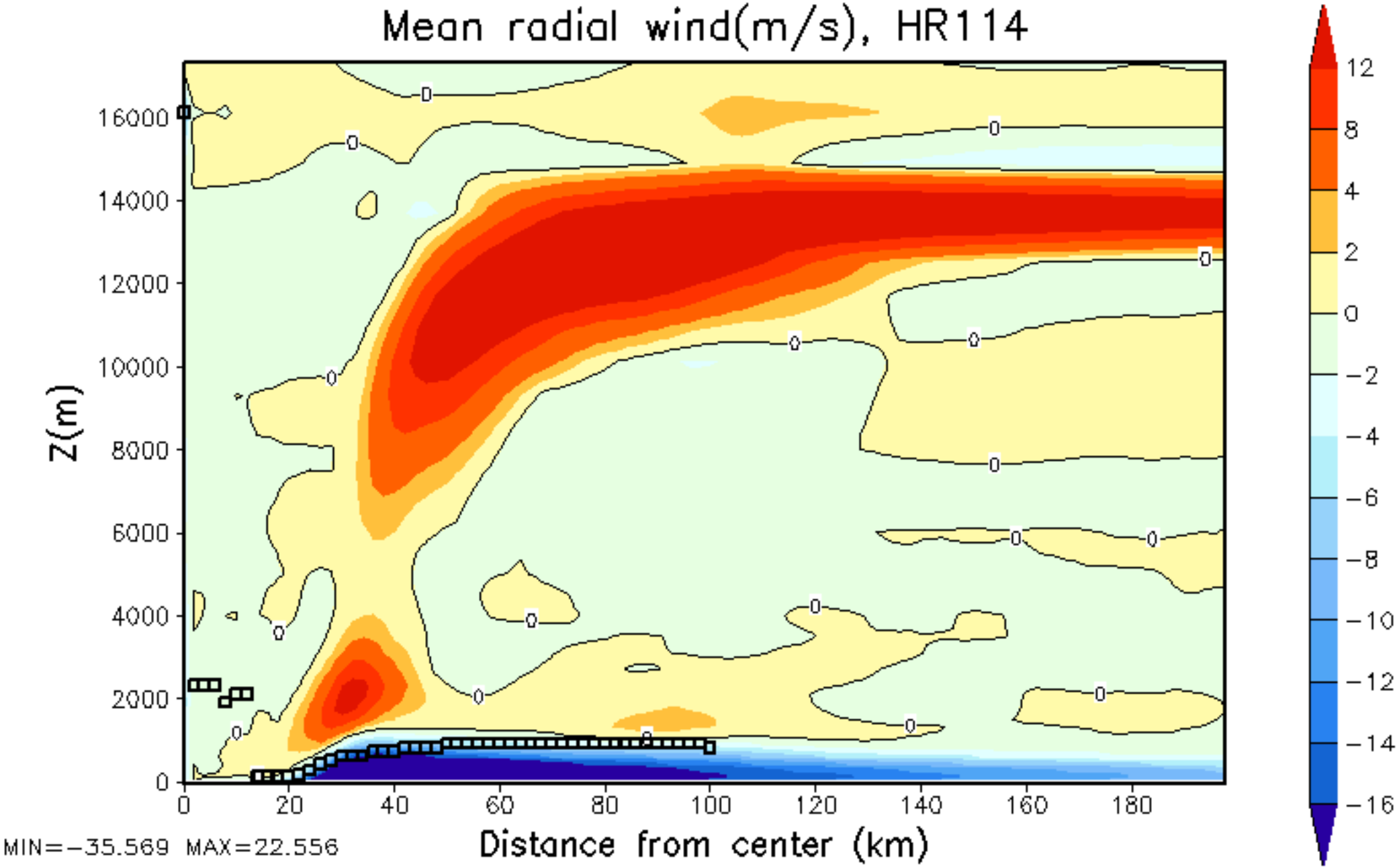

Mean radial wind(m/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-28.9355 MAX=15.6514
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

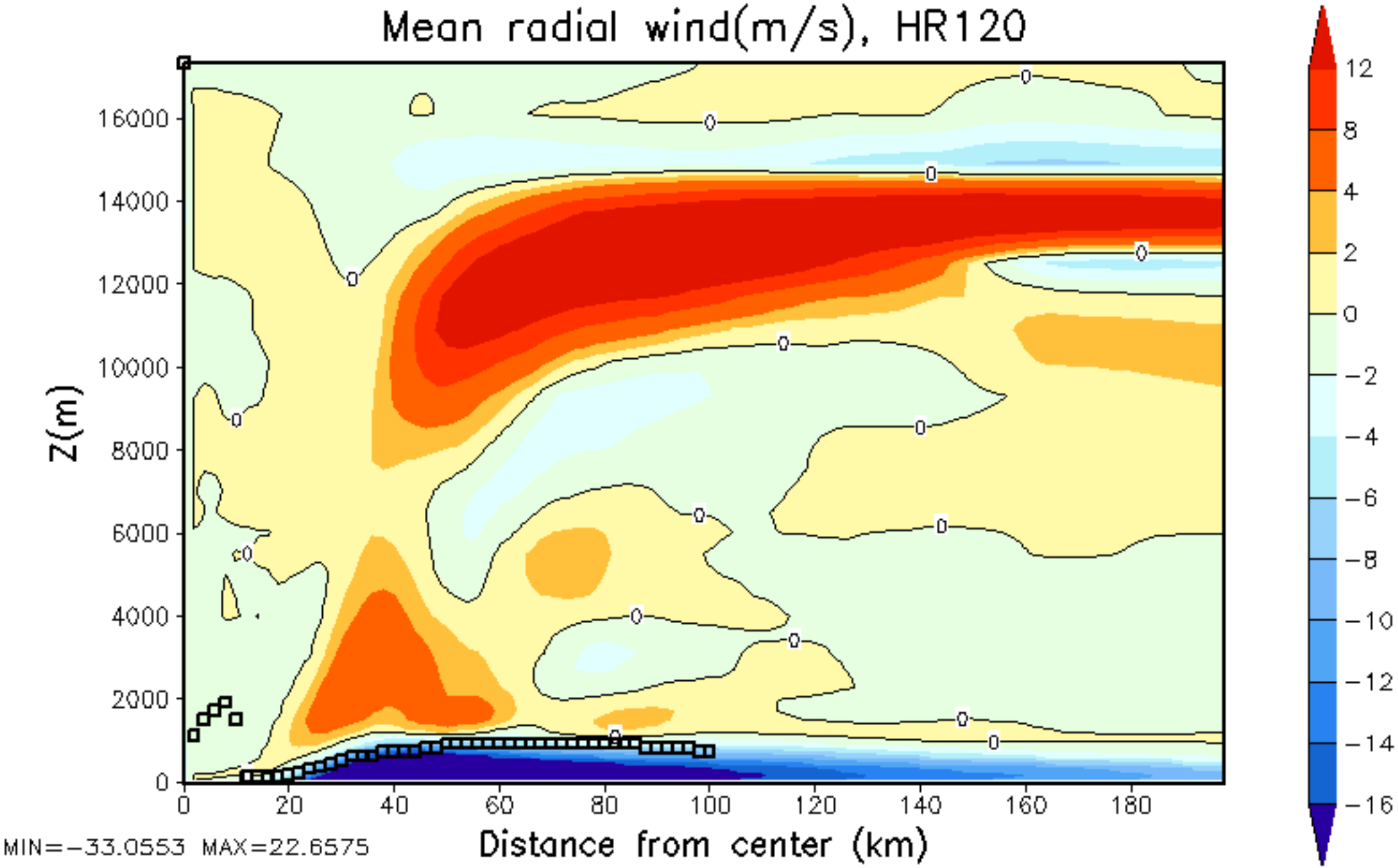

Mean radial wind(m/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-29.4191 MAX=18.2647
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

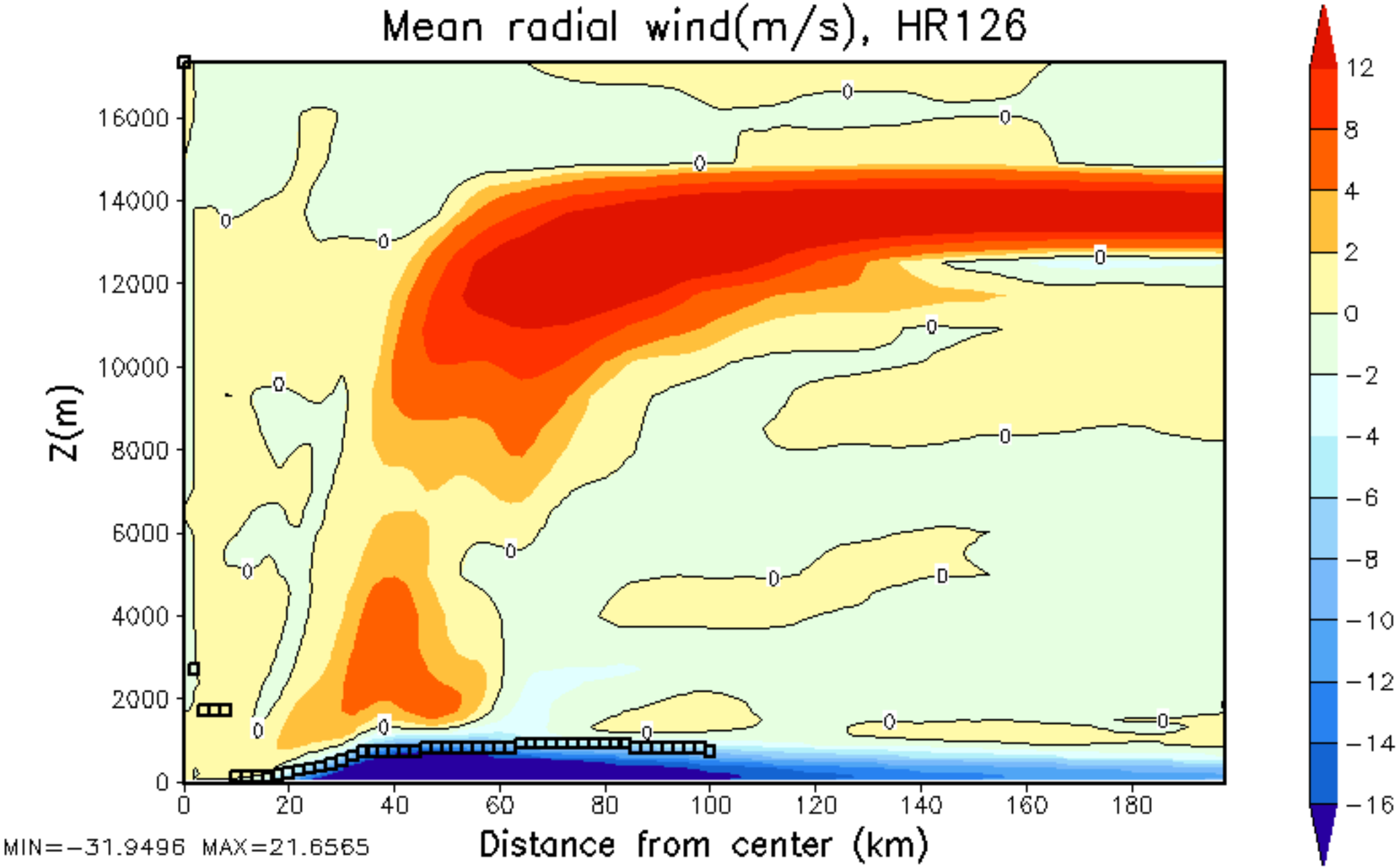

Mean radial wind(m/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-24.964 MAX=20.3062
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

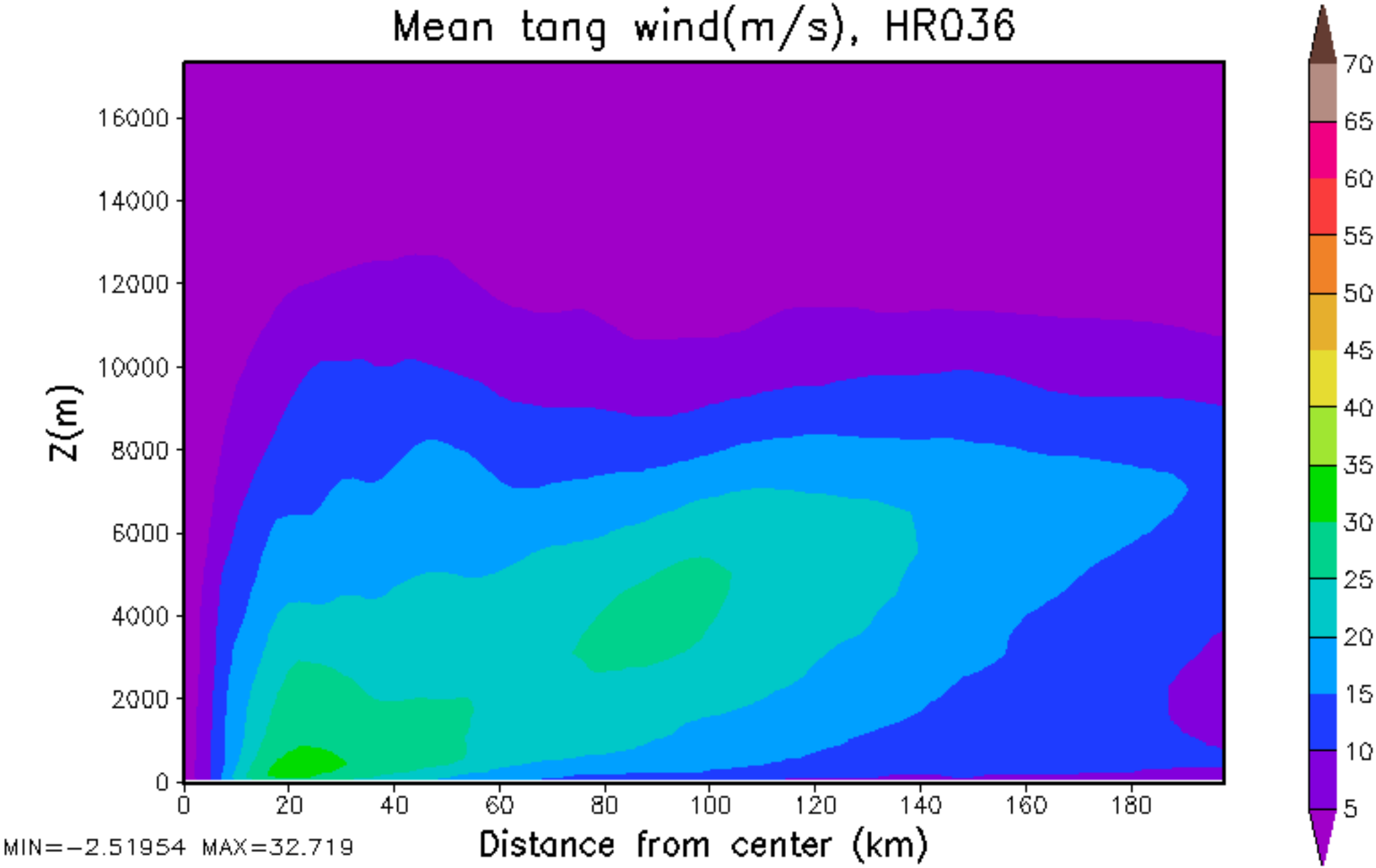

Mean radial wind(m/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=−33.1435 MAX=19.8786
12
8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16

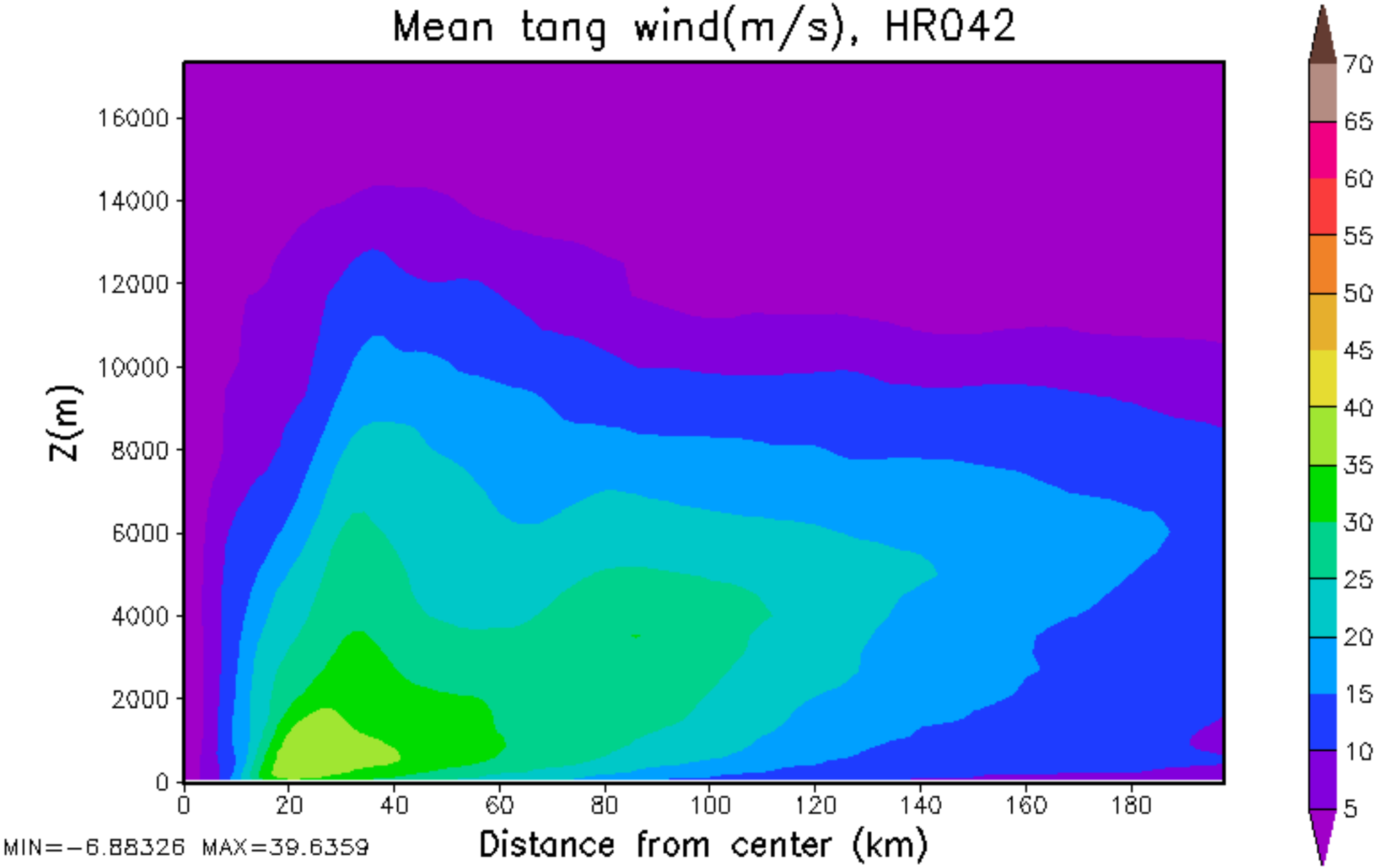

Mean radial wind(m/s), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-31.9241 MAX=21.7526
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

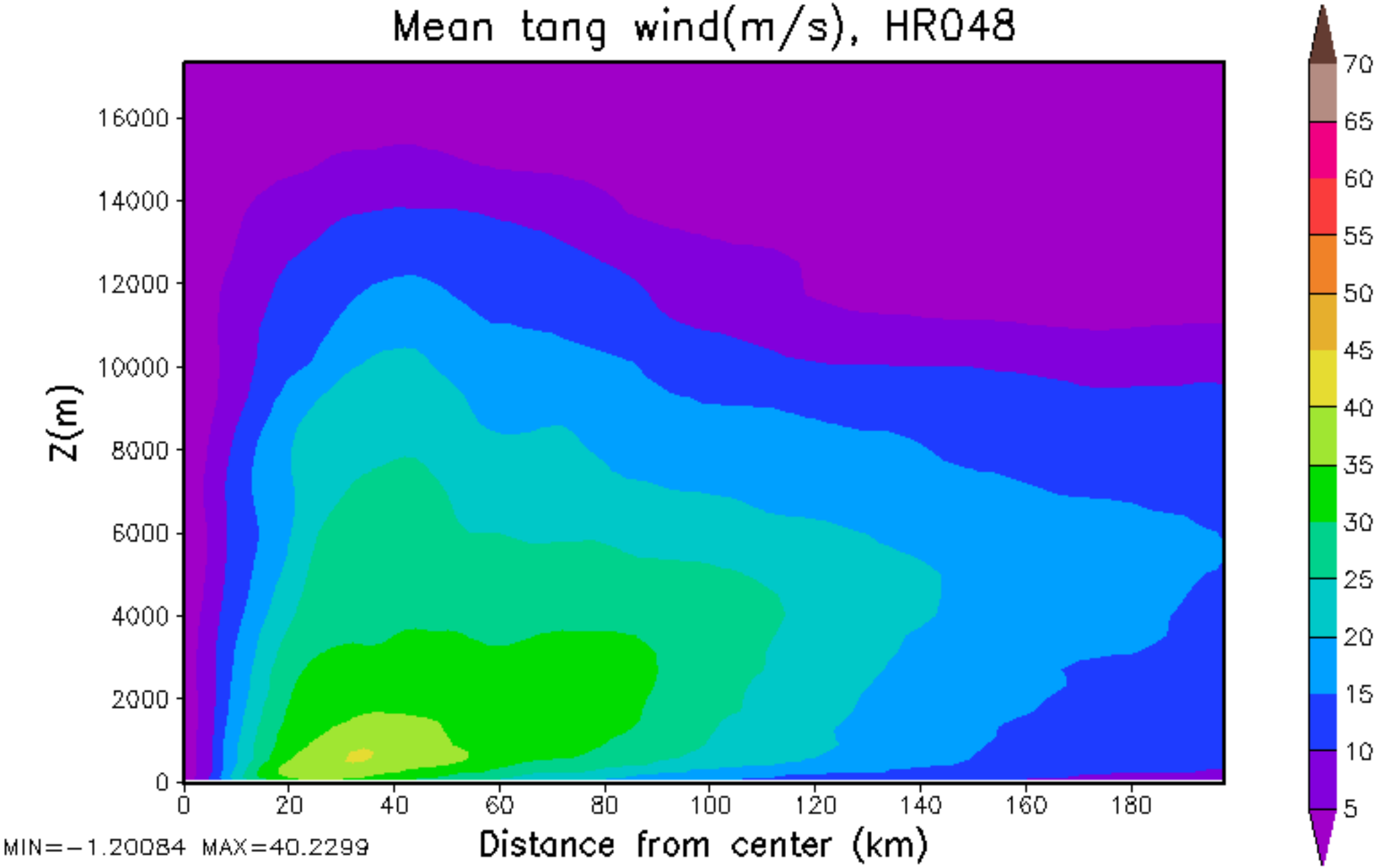

Mean radial wind(m/s), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-35.569 MAX=22.556
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

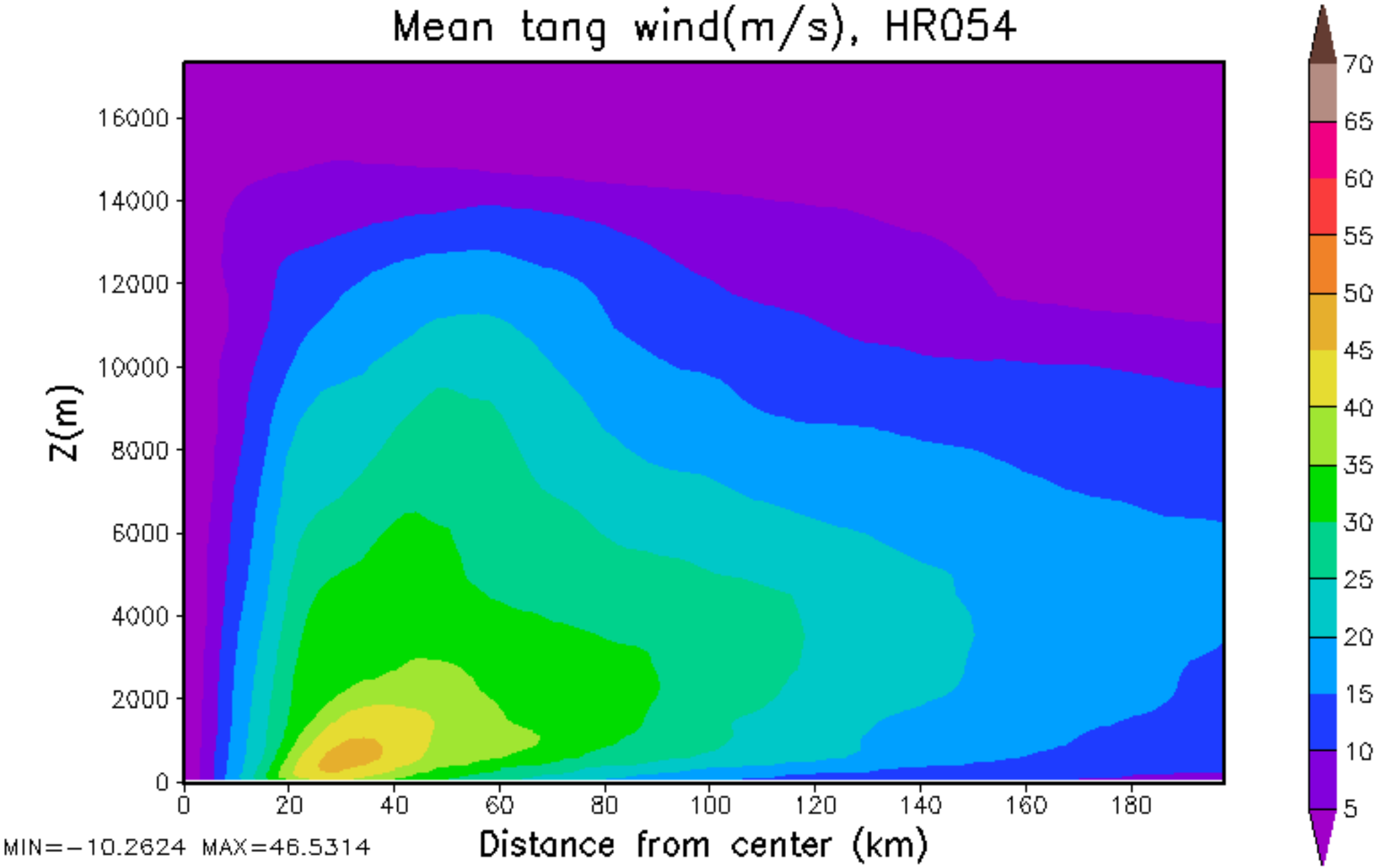

Mean radial wind(m/s), HR120
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-33.0553 MAX=22.6575
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

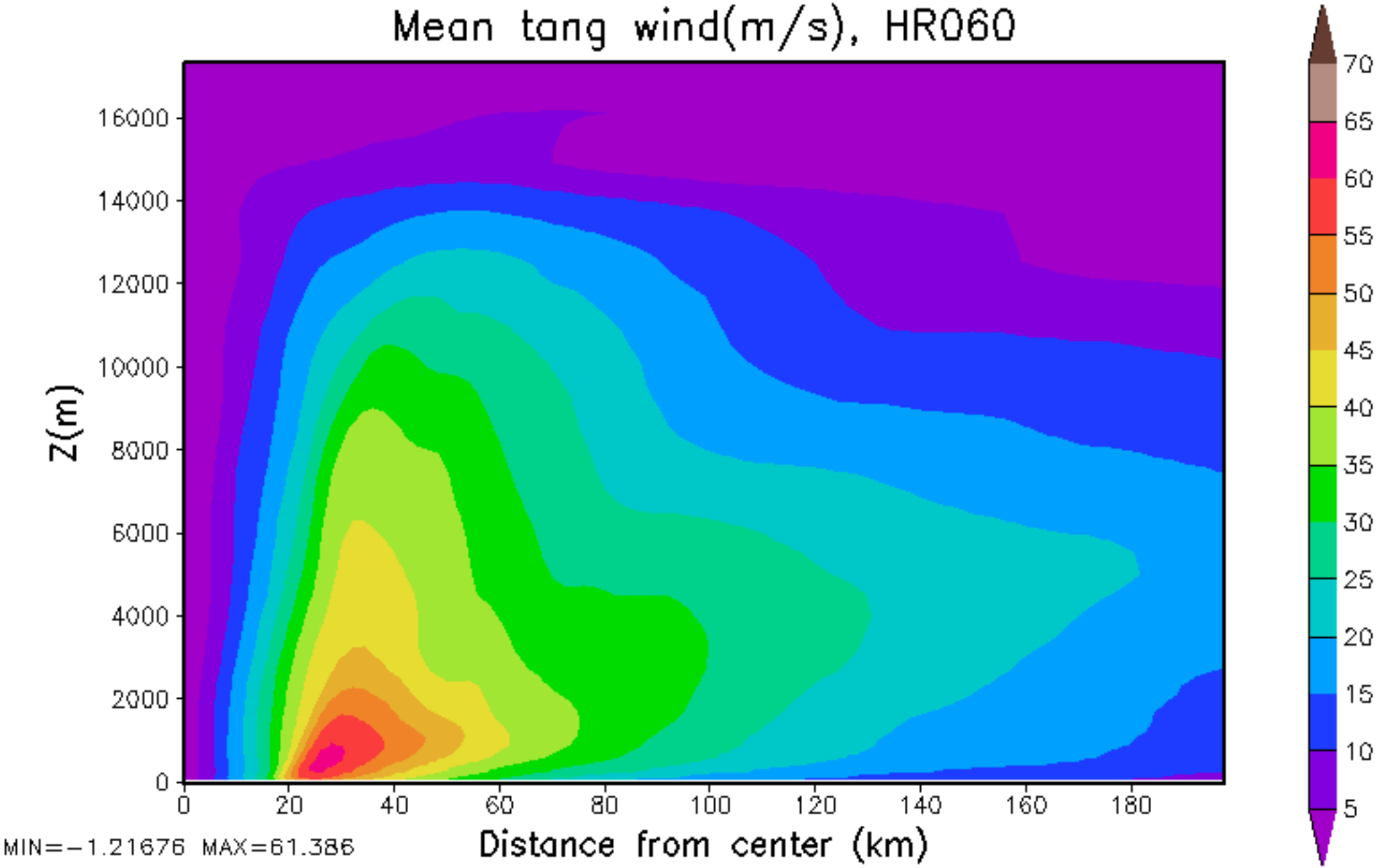

Mean radial wind(m/s), HR126
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-31.9496 MAX=21.6565
12
8
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16

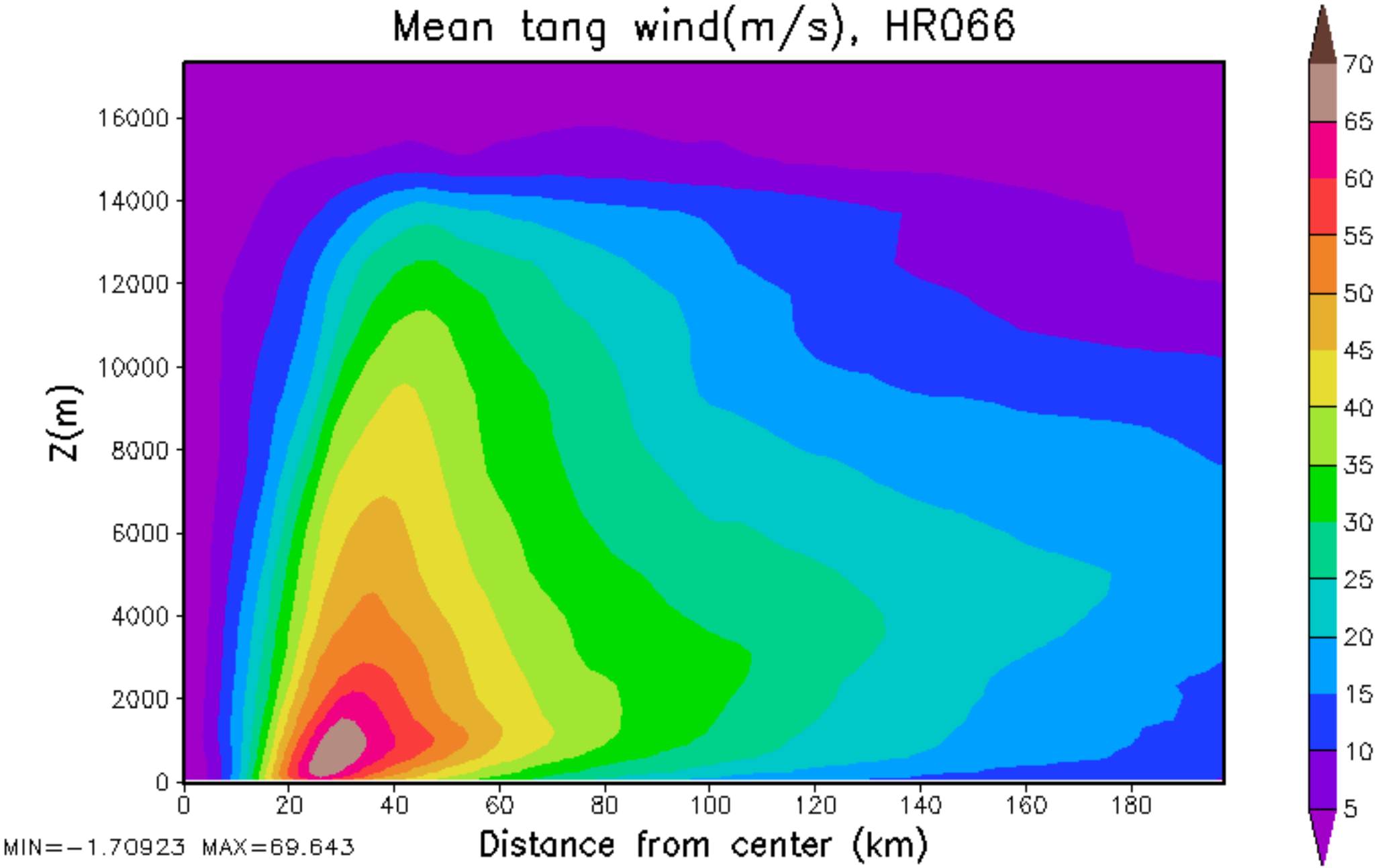

Mean tang wind(m/s), HR036
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.51954 MAX=32.719
70
65
60
55
50
45
40
35
30
25
20
15
10
5

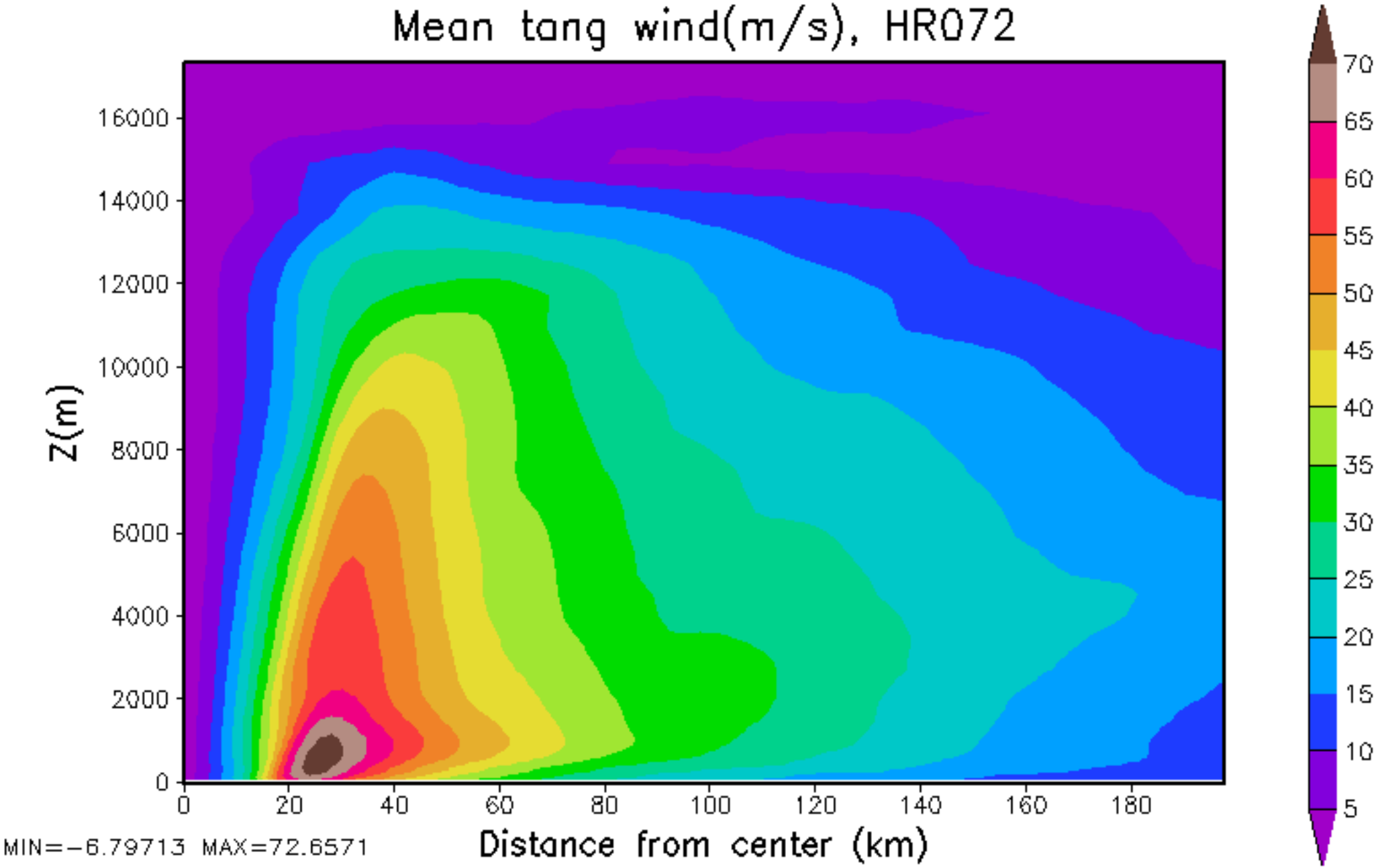

Mean tang wind(m/s), HR042
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-6.88326 MAX=39.6359
70
65
60
55
50
45
40
35
30
25
20
15
10
5

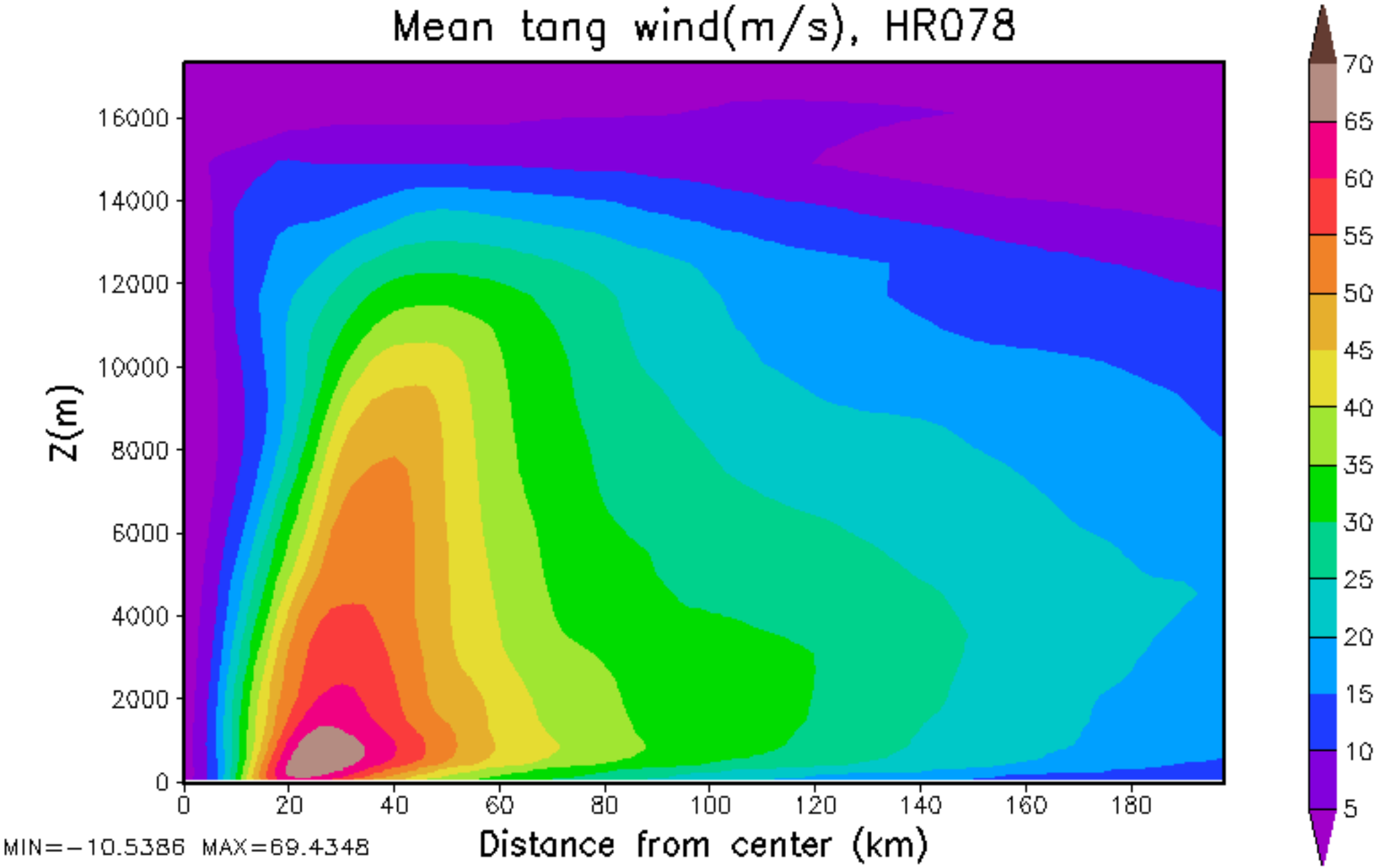

Mean tang wind(m/s), HR048
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.20084 MAX=40.2299
70
65
60
55
50
45
40
35
30
25
20
15
10
5

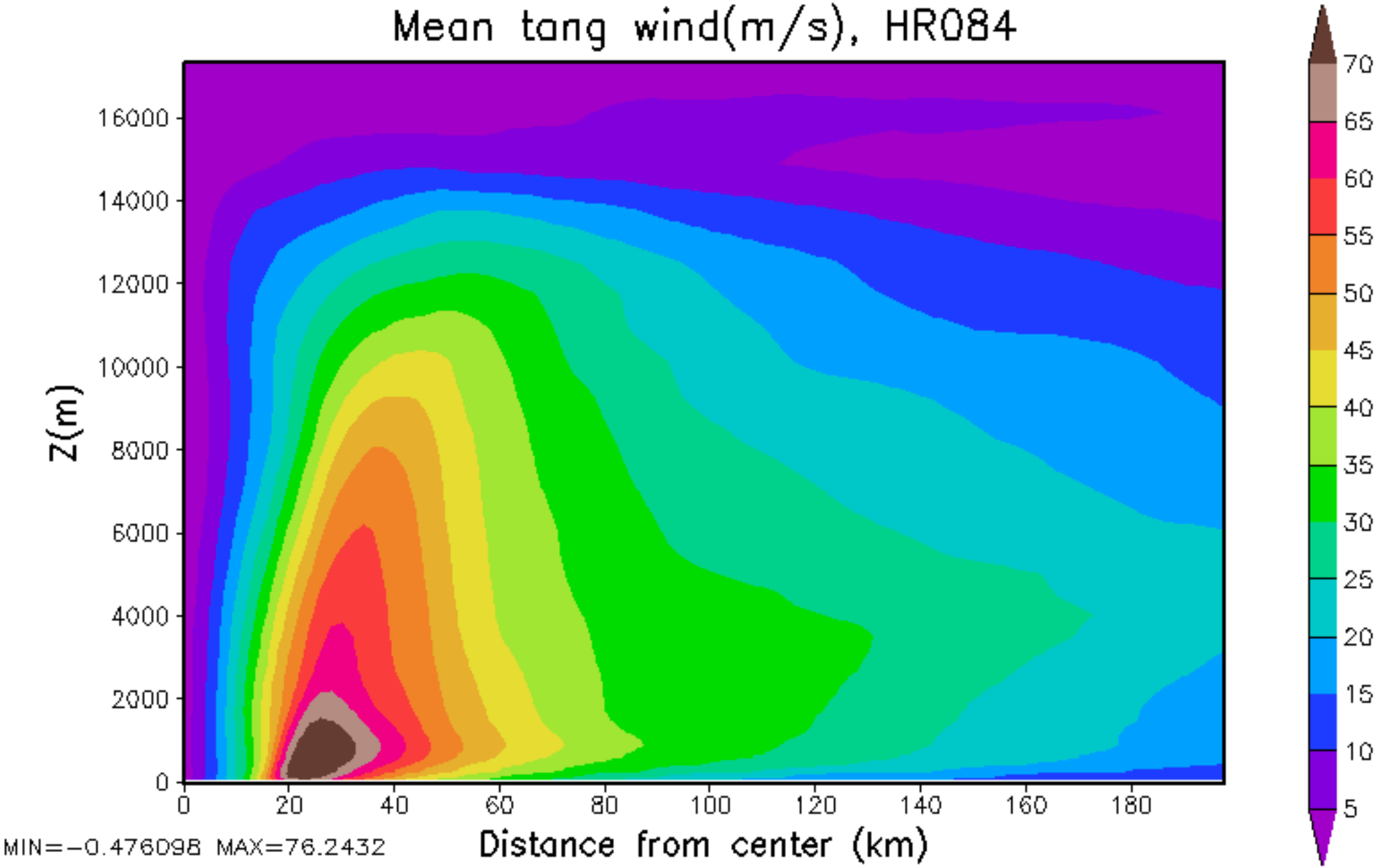

Mean tang wind(m/s), HR054
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-10.2624 MAX=46.5314
70
65
60
55
50
45
40
35
30
25
20
15
10
5

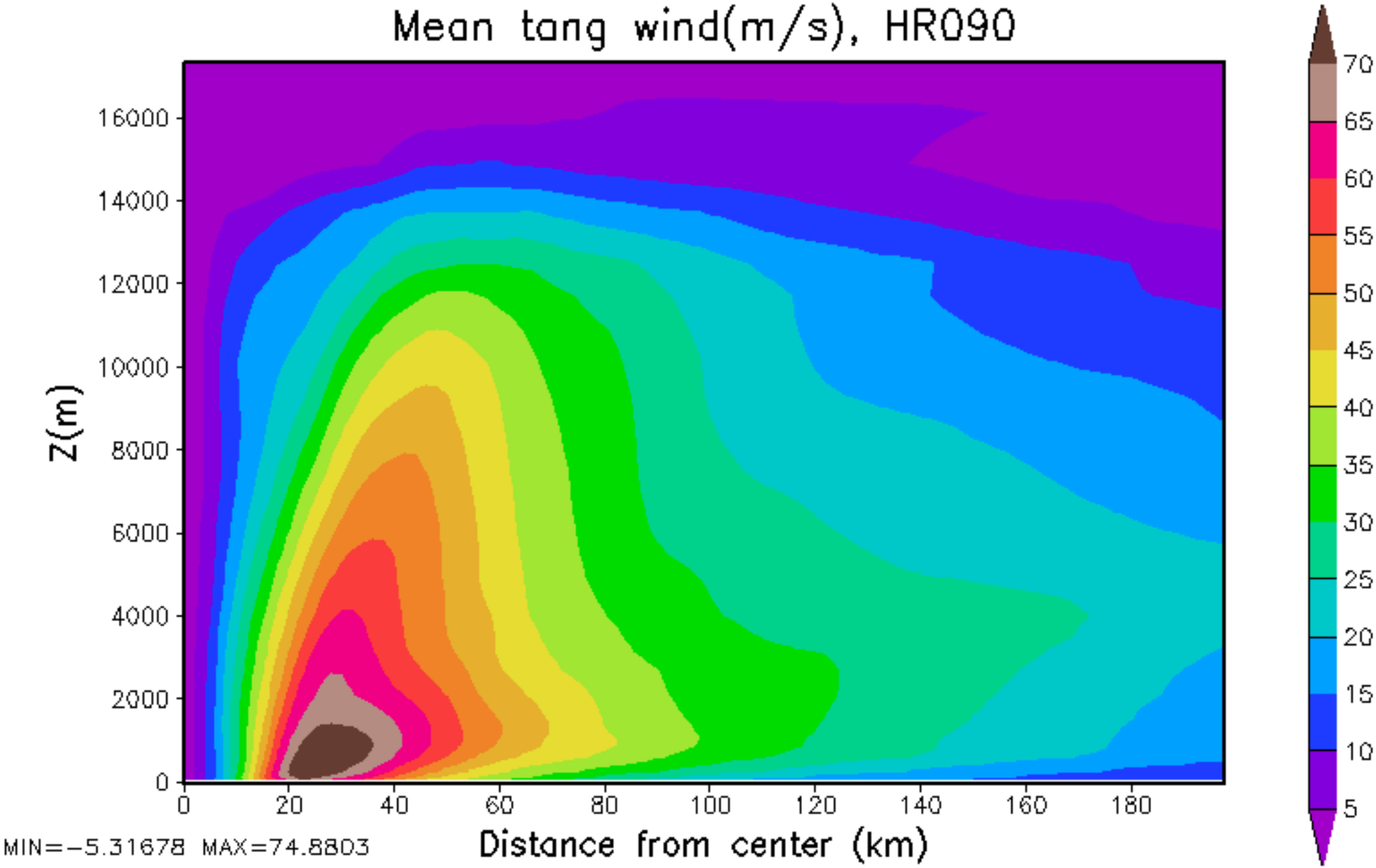

Mean tang wind(m/s), HR060
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.21676 MAX=61.386
70
65
60
55
50
45
40
35
30
25
20
15
10
5

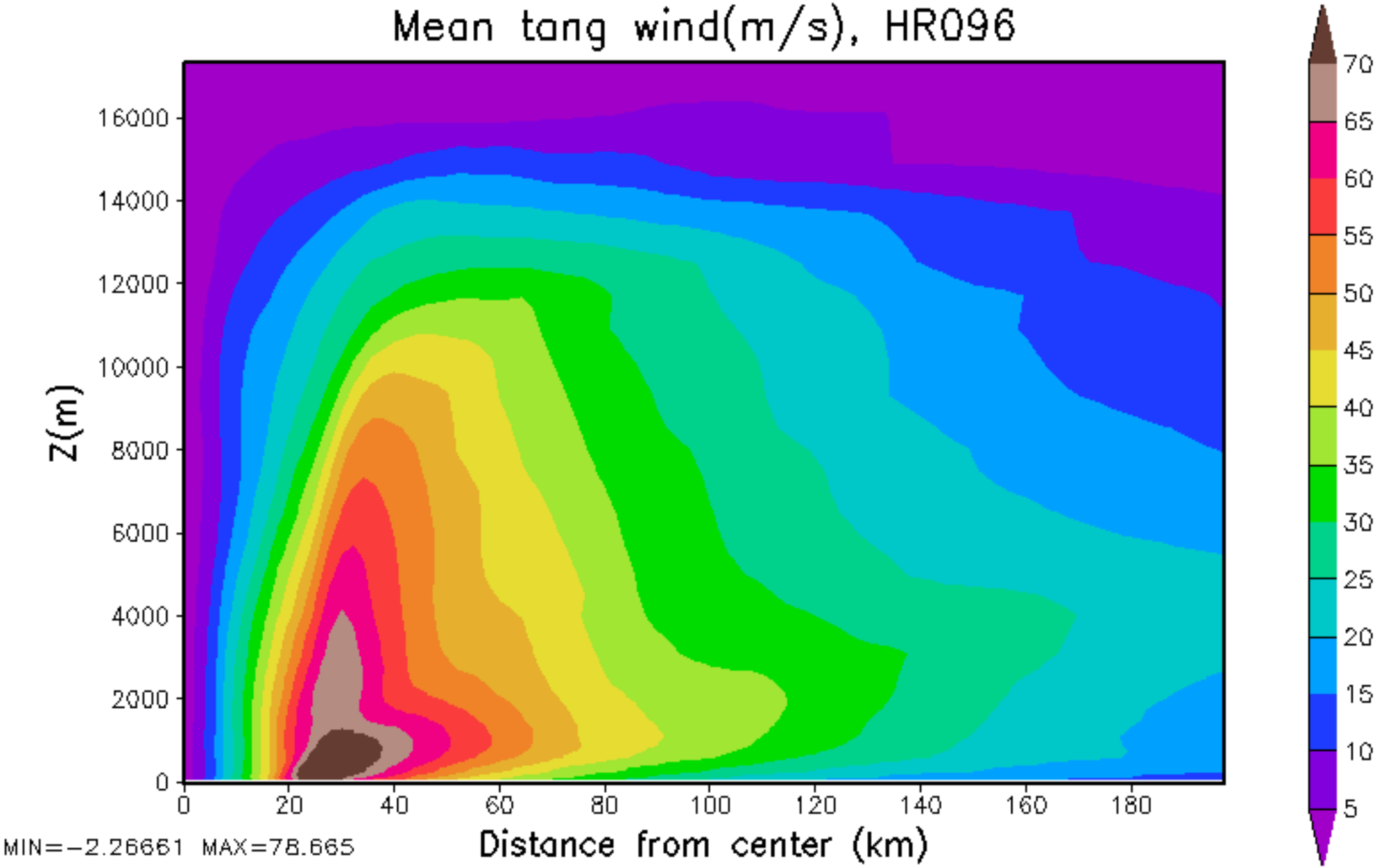

Mean tang wind(m/s), HR066
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.70923 MAX=69.643
70
65
60
55
50
45
40
35
30
25
20
15
10
5

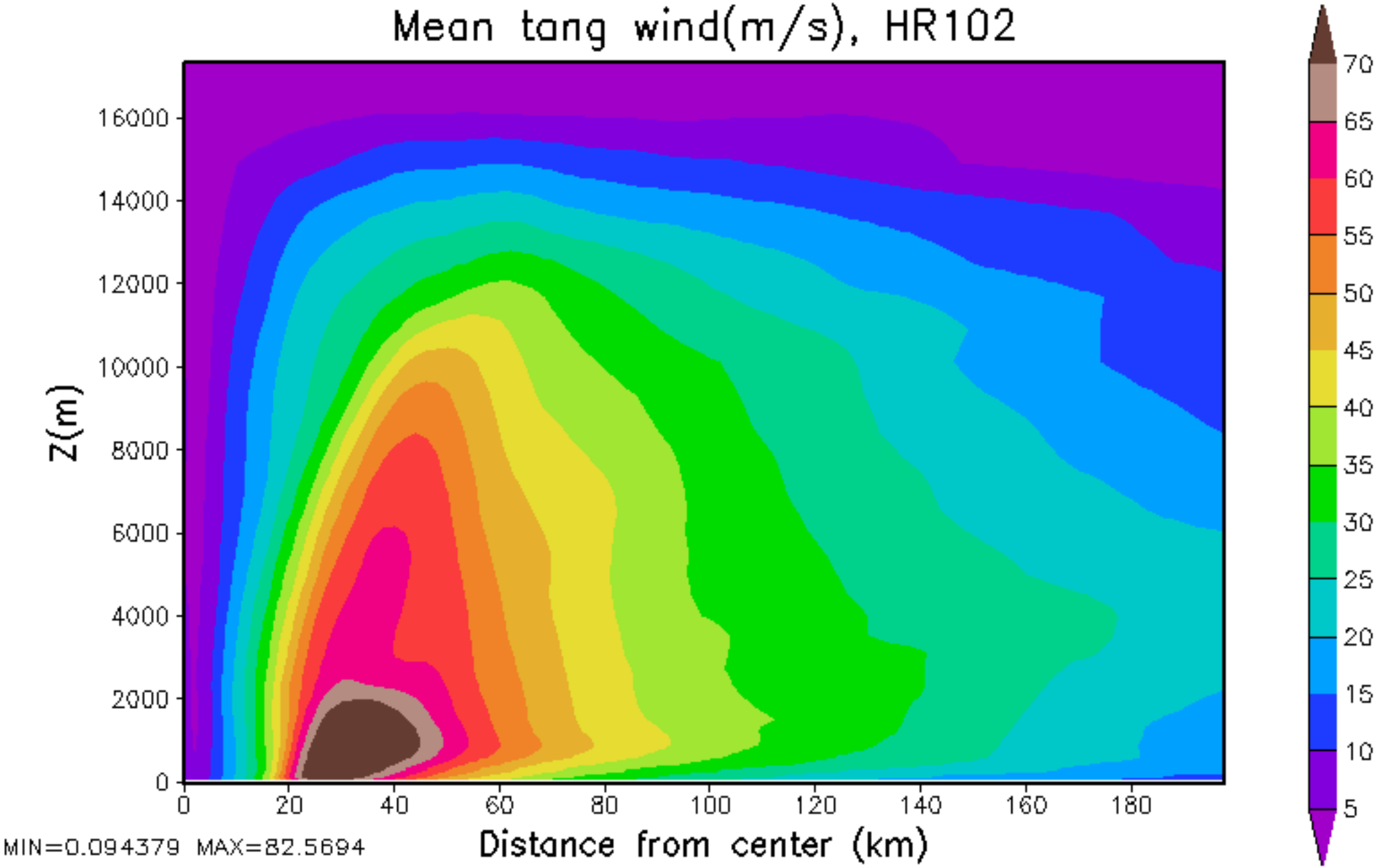

Mean tang wind(m/s), HR072
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-6.79713 MAX=72.6571
70
65
60
55
50
45
40
35
30
25
20
15
10
5

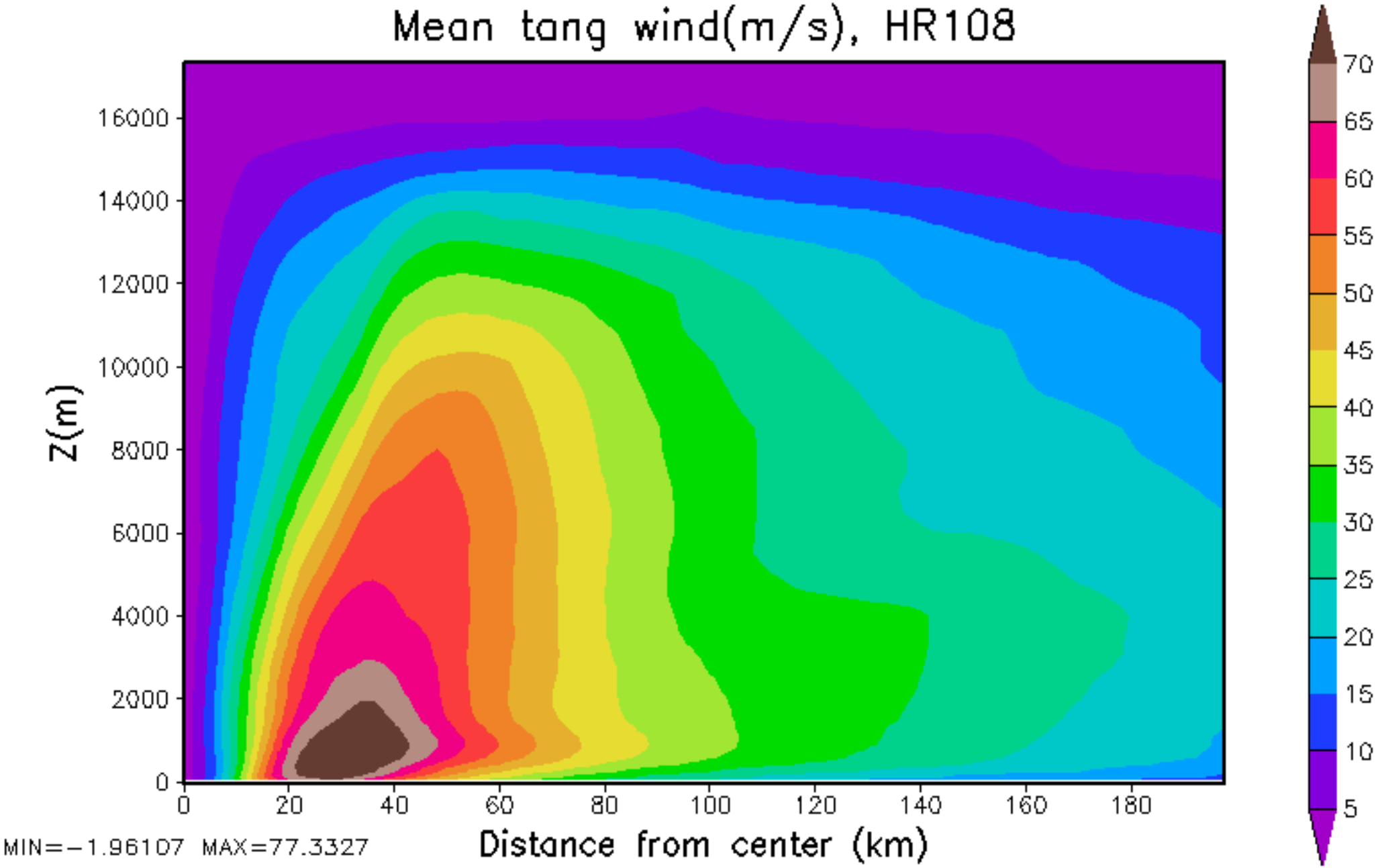

Mean tang wind(m/s), HR078
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-10.5386 MAX=69.4348
70
65
60
55
50
45
40
35
30
25
20
15
10
5

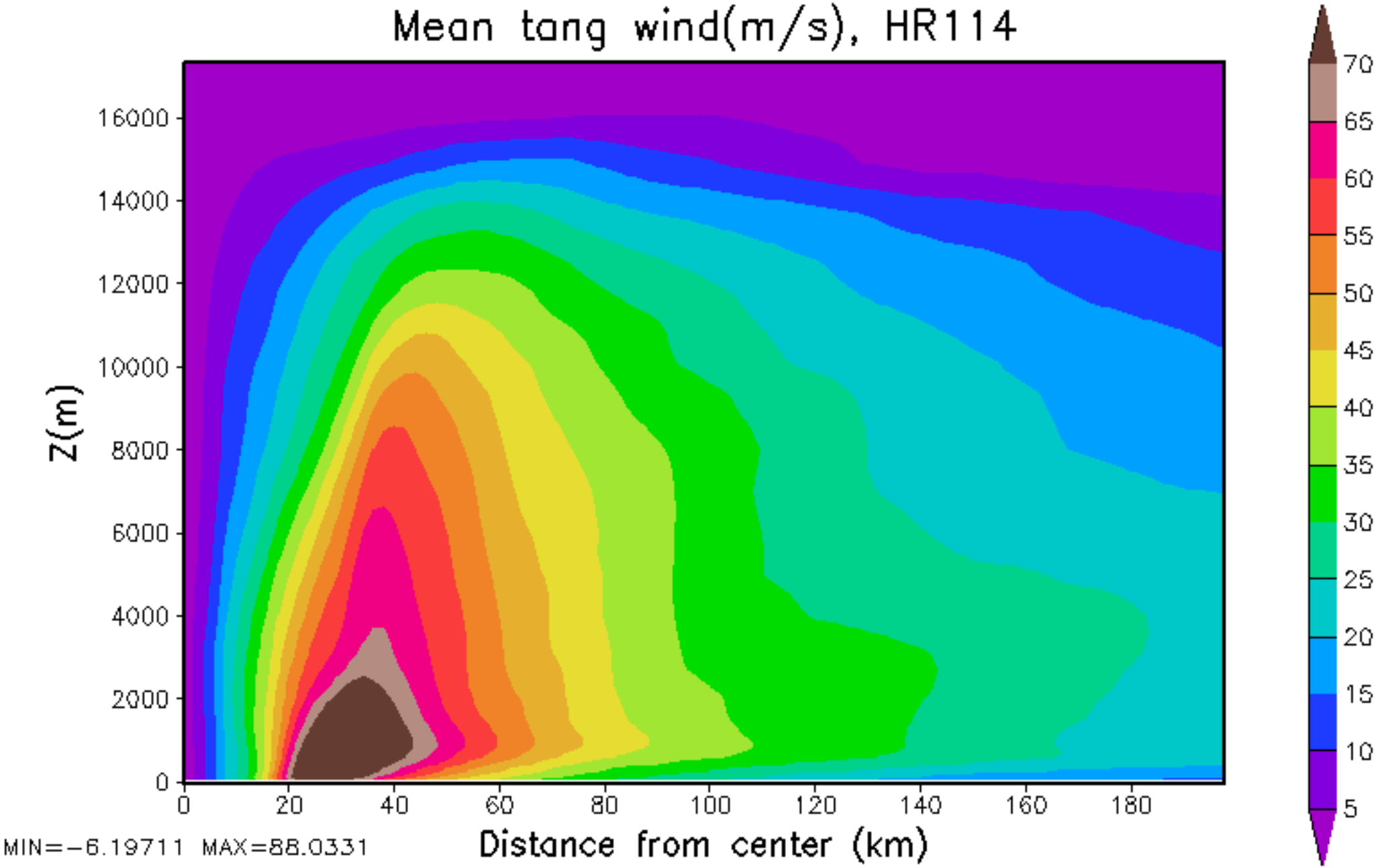

Mean tang wind(m/s), HR084
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-0.476098 MAX=76.2432
70
65
60
55
50
45
40
35
30
25
20
15
10
5

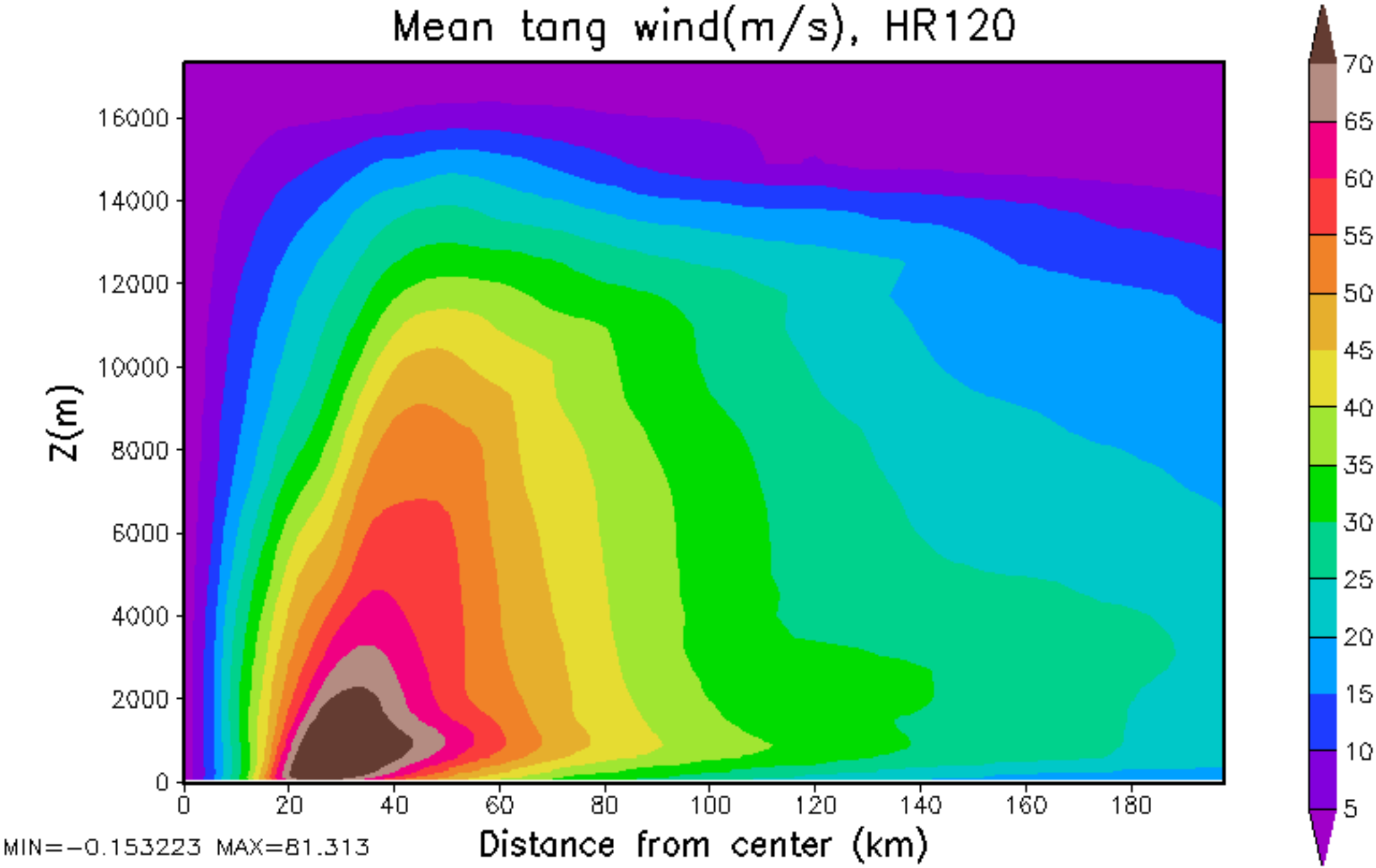

Mean tang wind(m/s), HR090
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-5.31678 MAX=74.8803
70
65
60
55
50
45
40
35
30
25
20
15
10
5

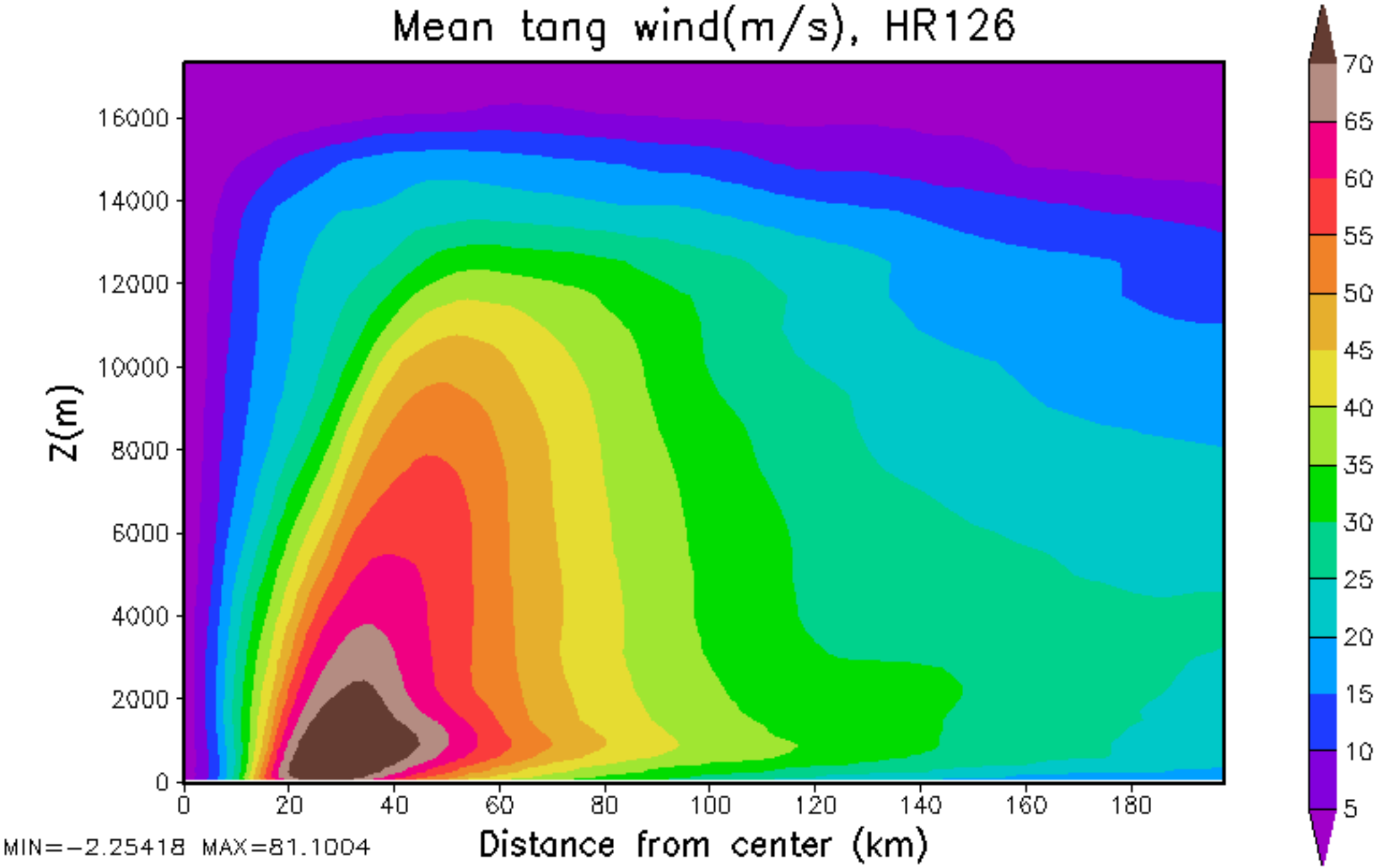

Mean tang wind(m/s), HR096
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.26661 MAX=78.665
70
65
60
55
50
45
40
35
30
25
20
15
10
5

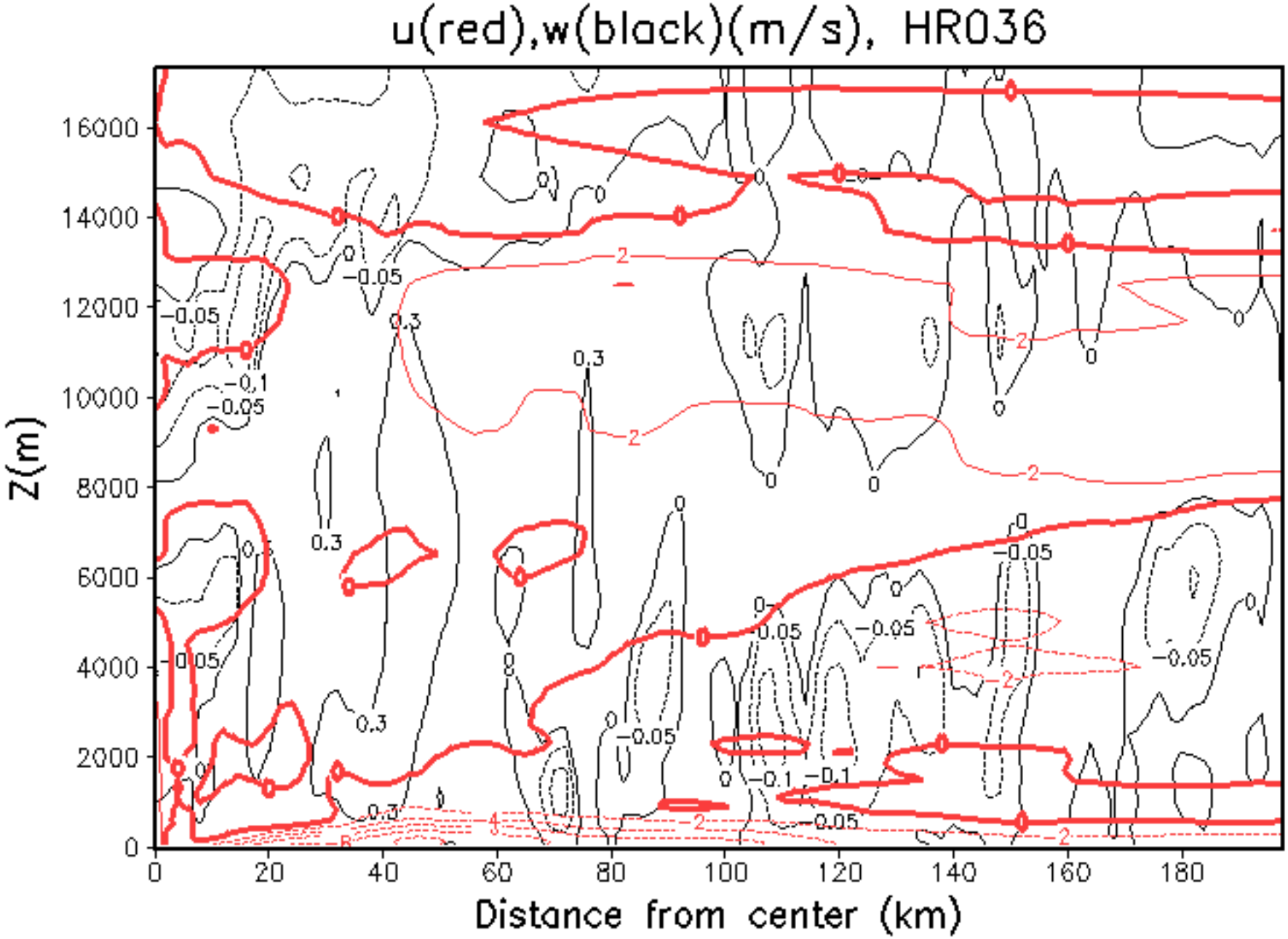

Mean tang wind(m/s), HR102
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=0.094379 MAX=82.5694
70
65
60
55
50
45
40
35
30
25
20
15
10
5

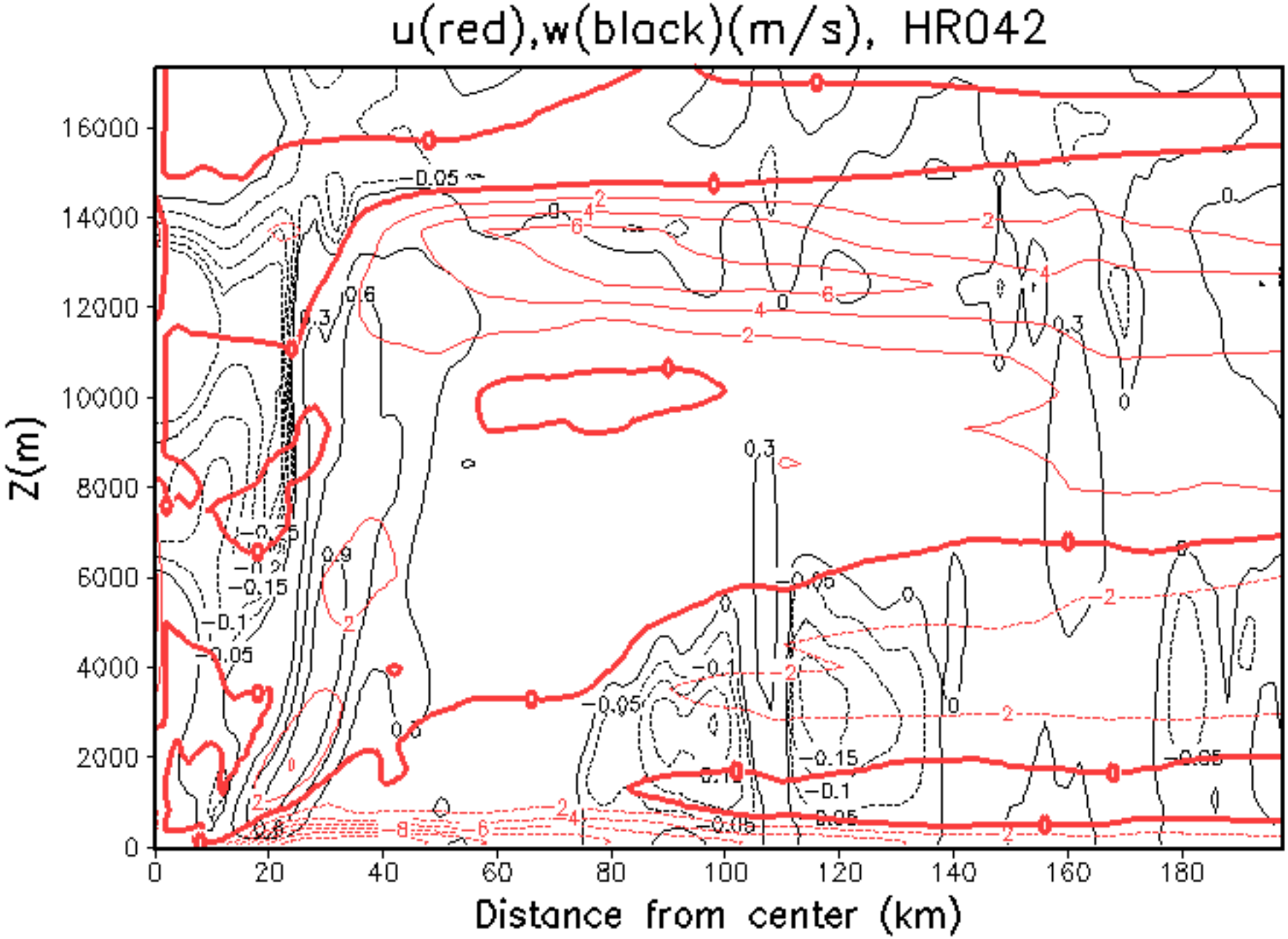

Mean tang wind(m/s), HR108
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-1.96107 MAX=77.3327
70
65
60
55
50
45
40
35
30
25
20
15
10
5

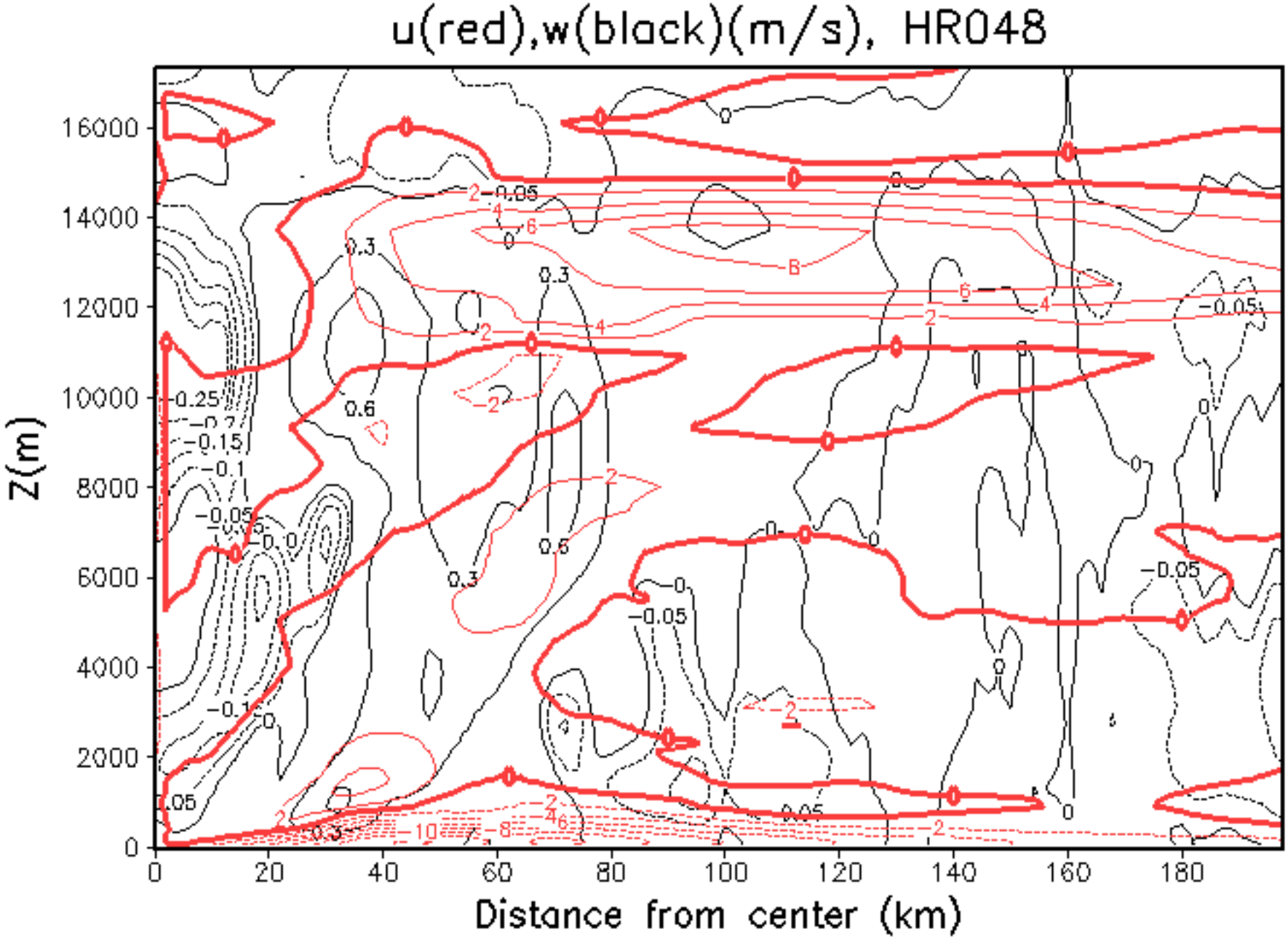

Mean tang wind(m/s), HR114
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-6.19711 MAX=88.0331
70
65
60
55
50
45
40
35
30
25
20
15
10
5

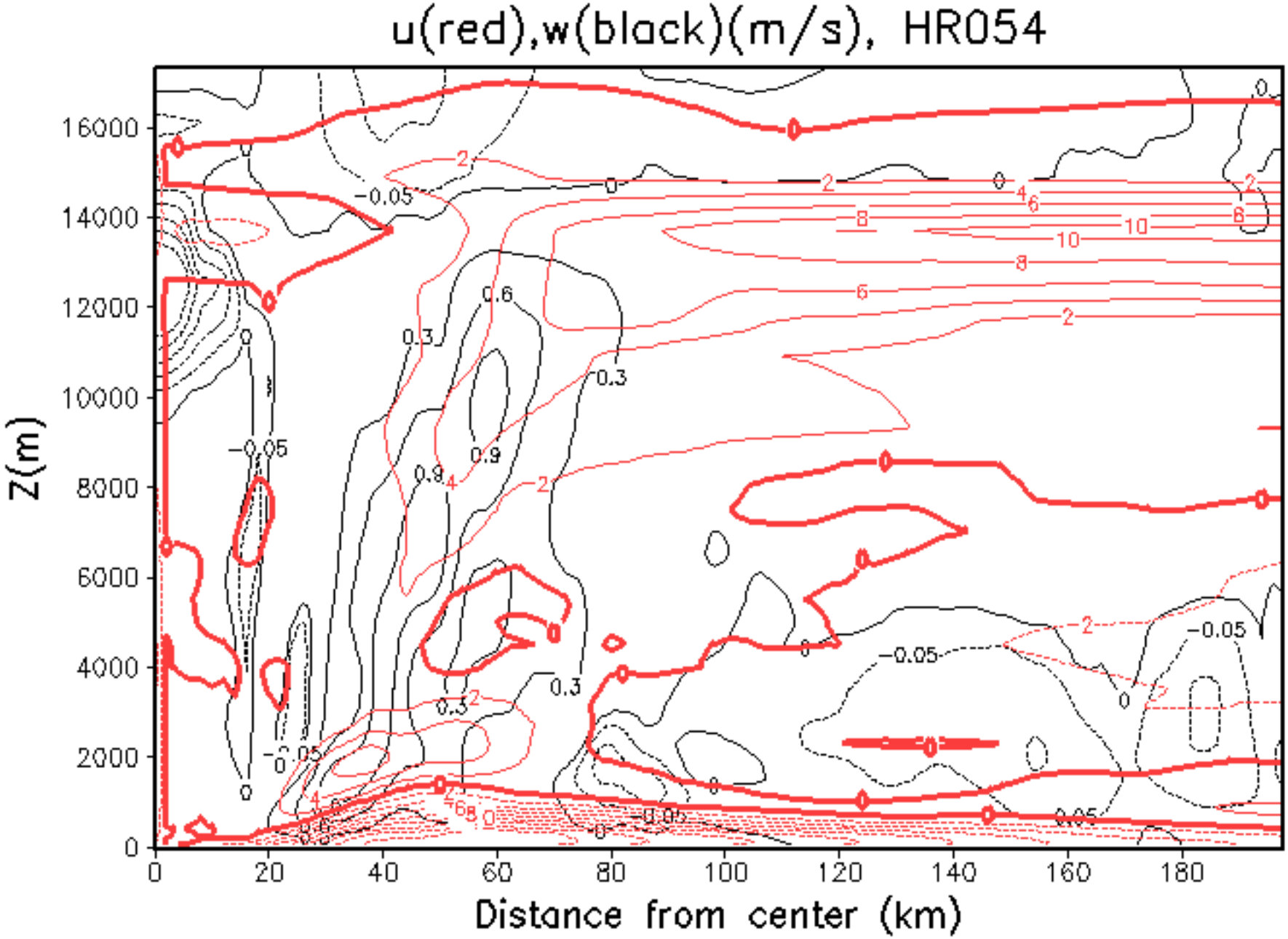

Mean tang wind(m/s), HR120
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-0.153223 MAX=81.313
70
65
60
55
50
45
40
35
30
25
20
15
10
5

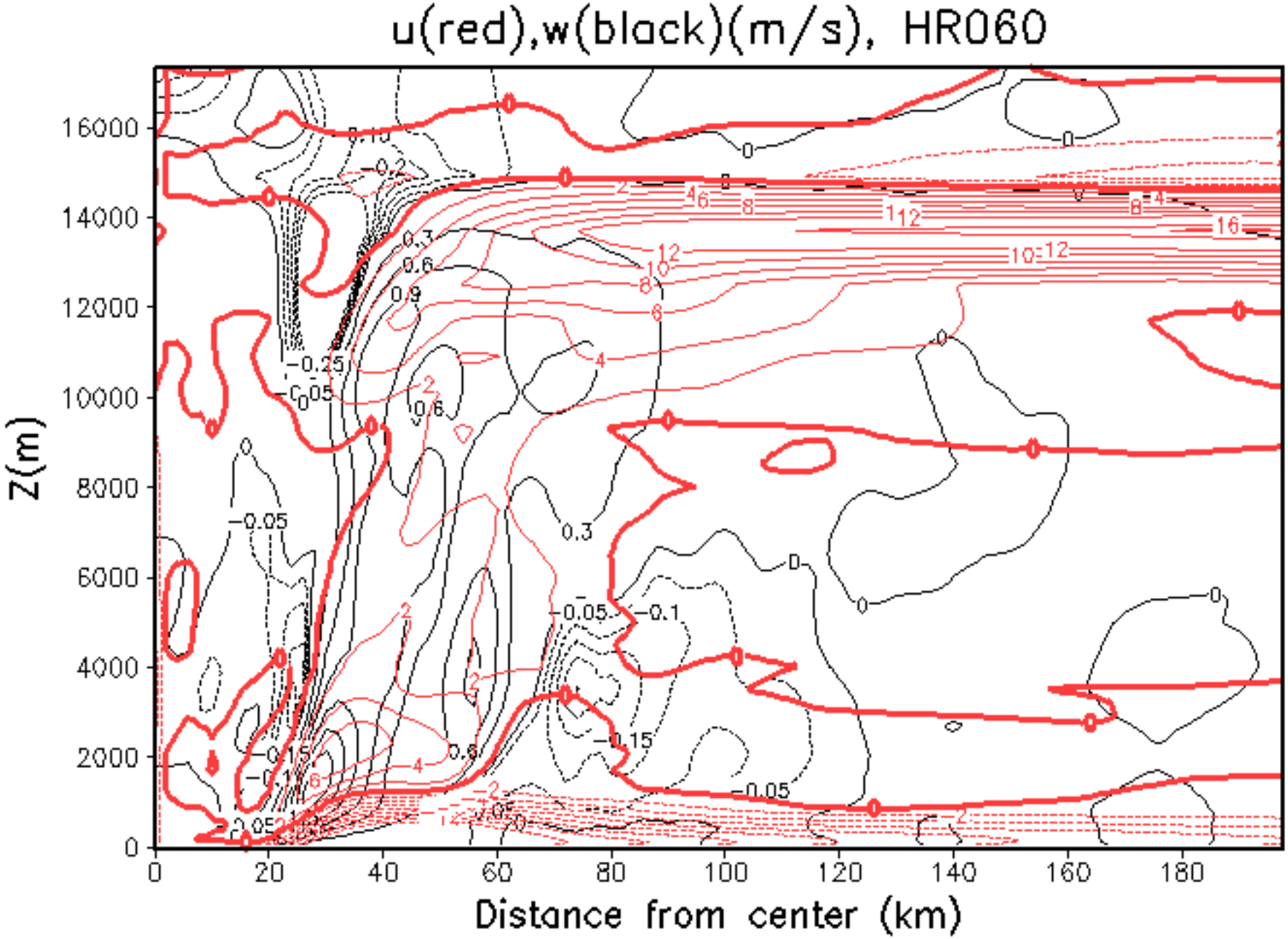

Mean tang wind(m/s), HR126
Z(m)
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Distance from center (km)
MIN=-2.25418 MAX=81.1004
70
65
60
55
50
45
40
35
30
25
20
15
10
5

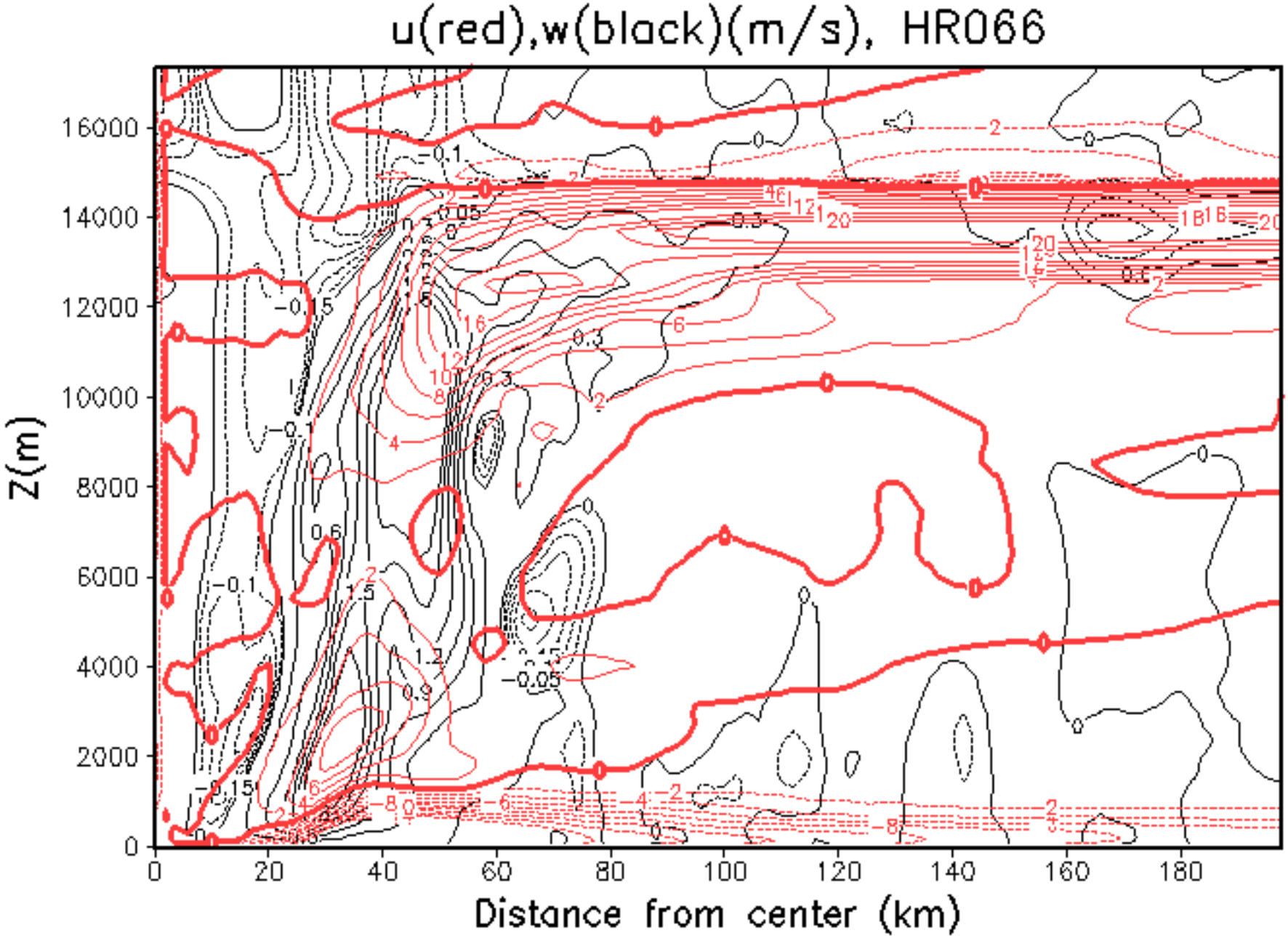

u(red),w(black)(m/s), HR036
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

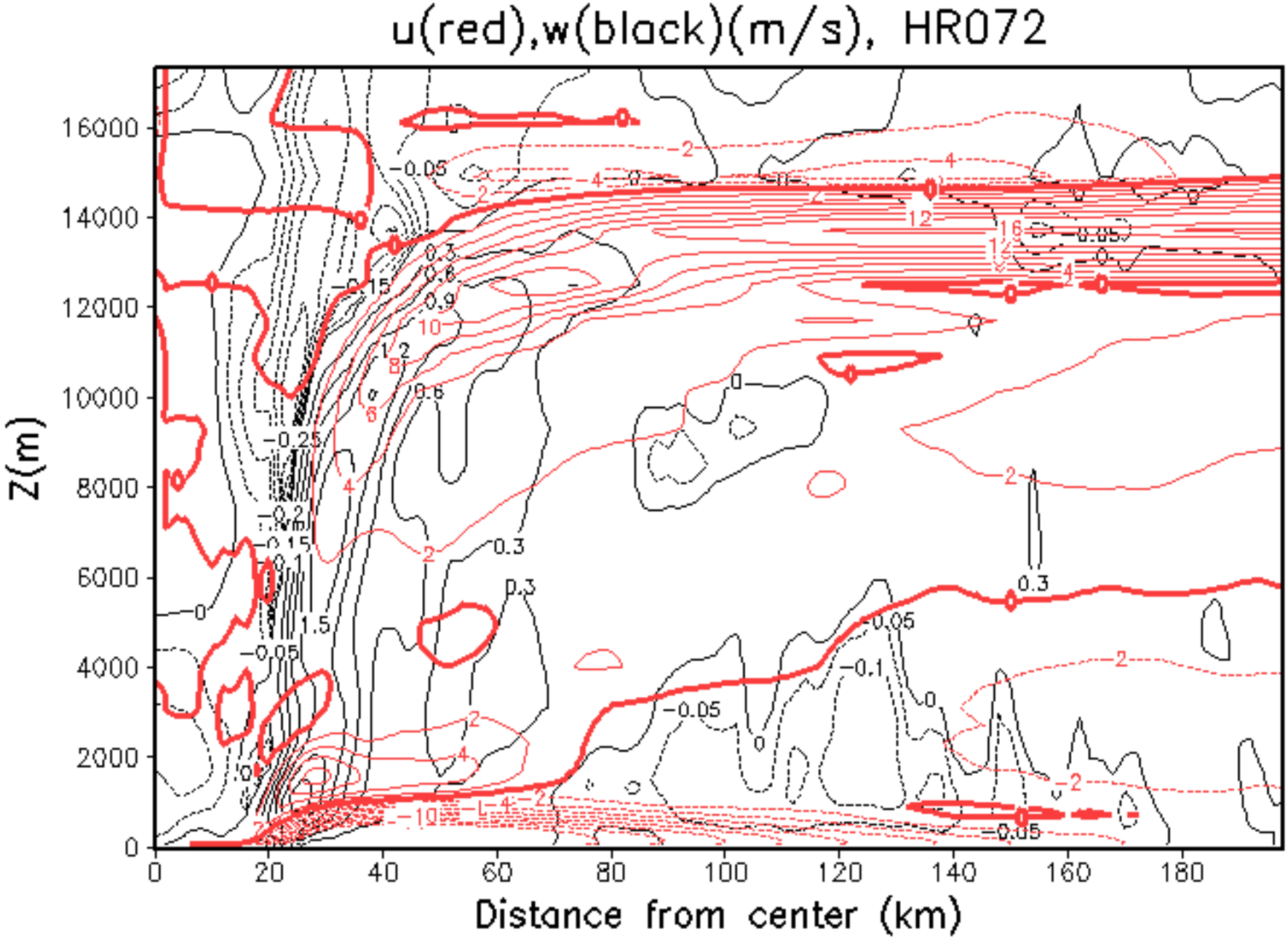

u(red),w(black)(m/s), HR042
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

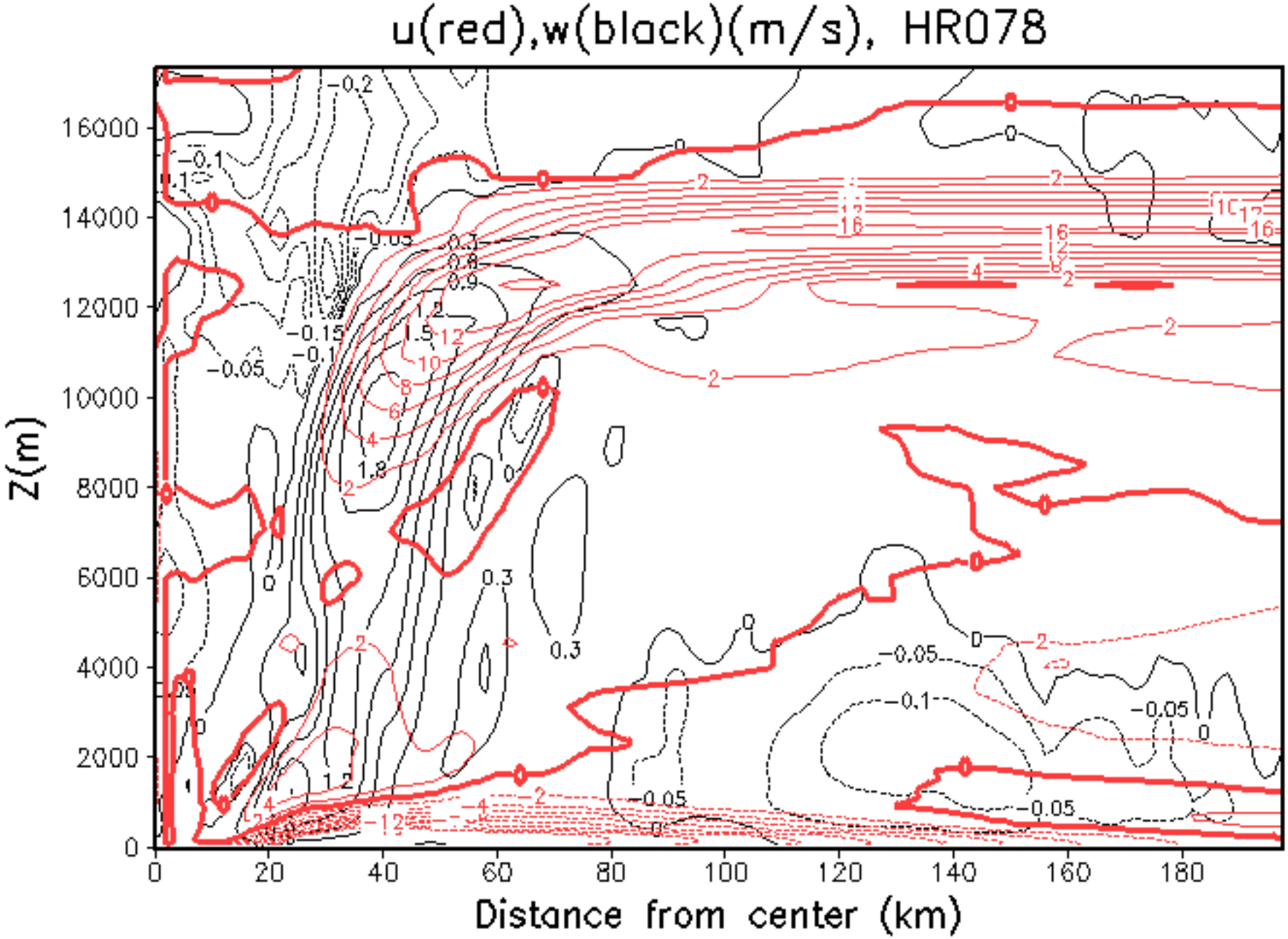

u(red),w(black)(m/s), HR048
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

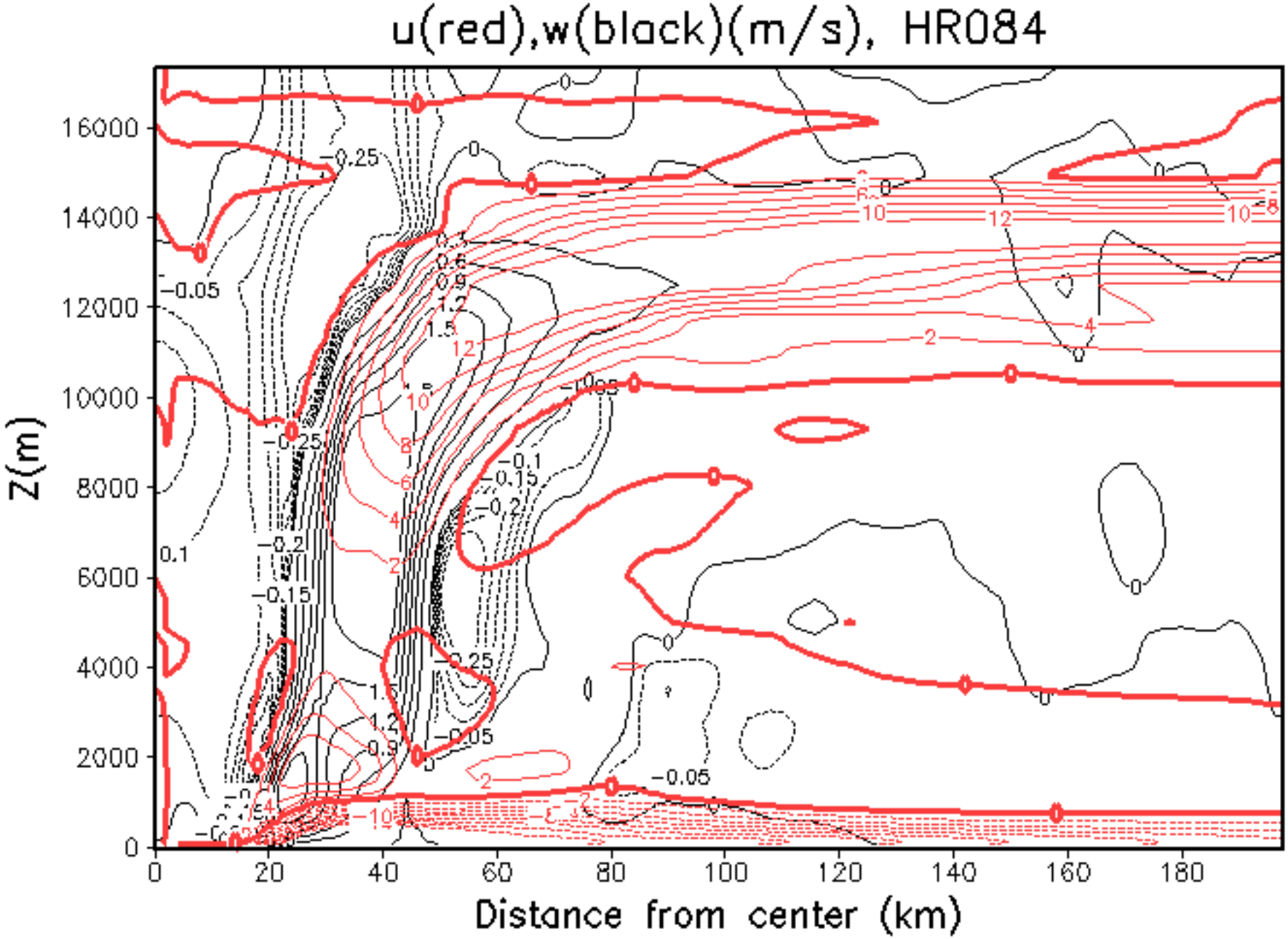

u(red),w(black)(m/s), HR054
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

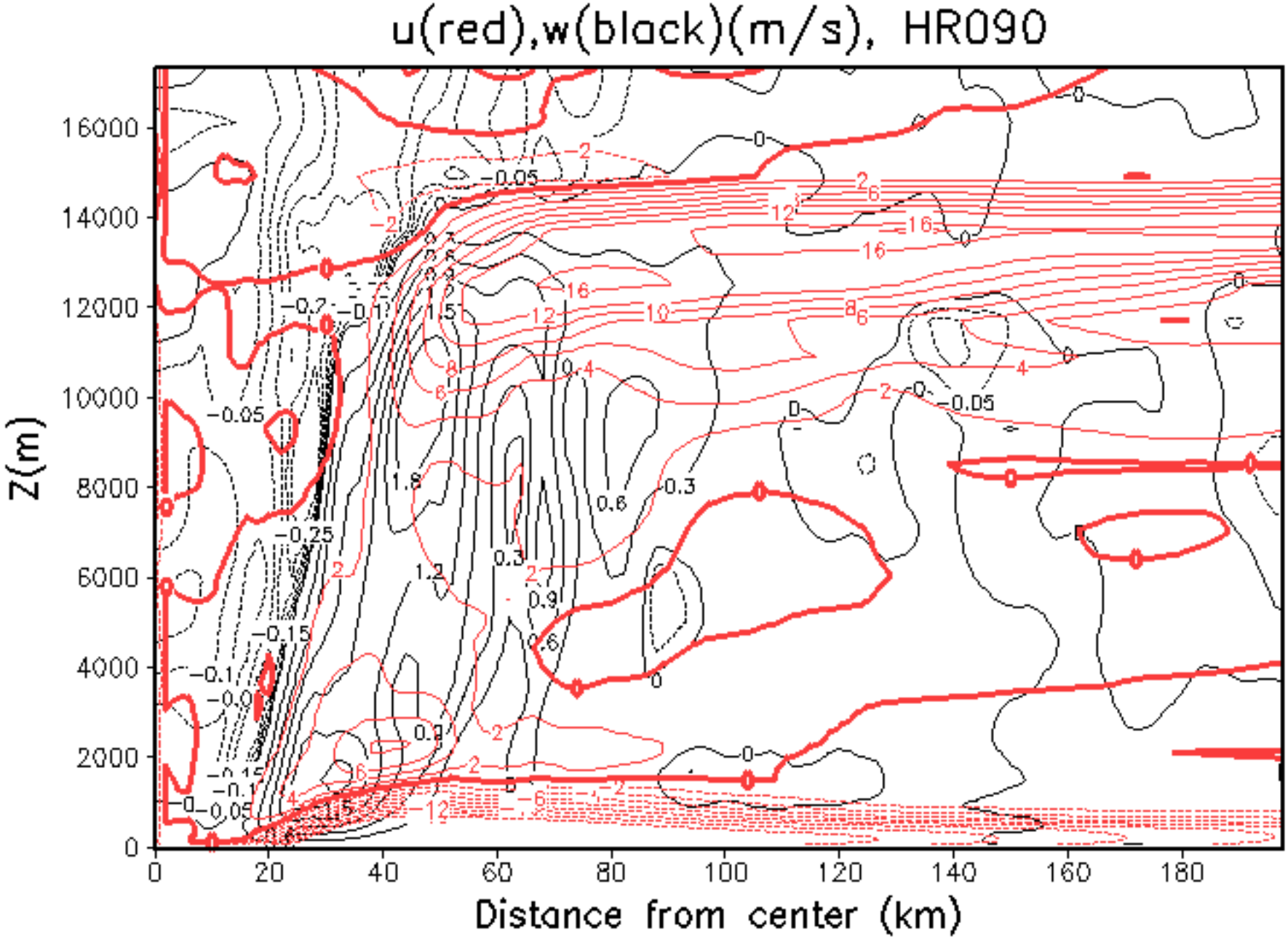

u(red),w(black)(m/s), HR060
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

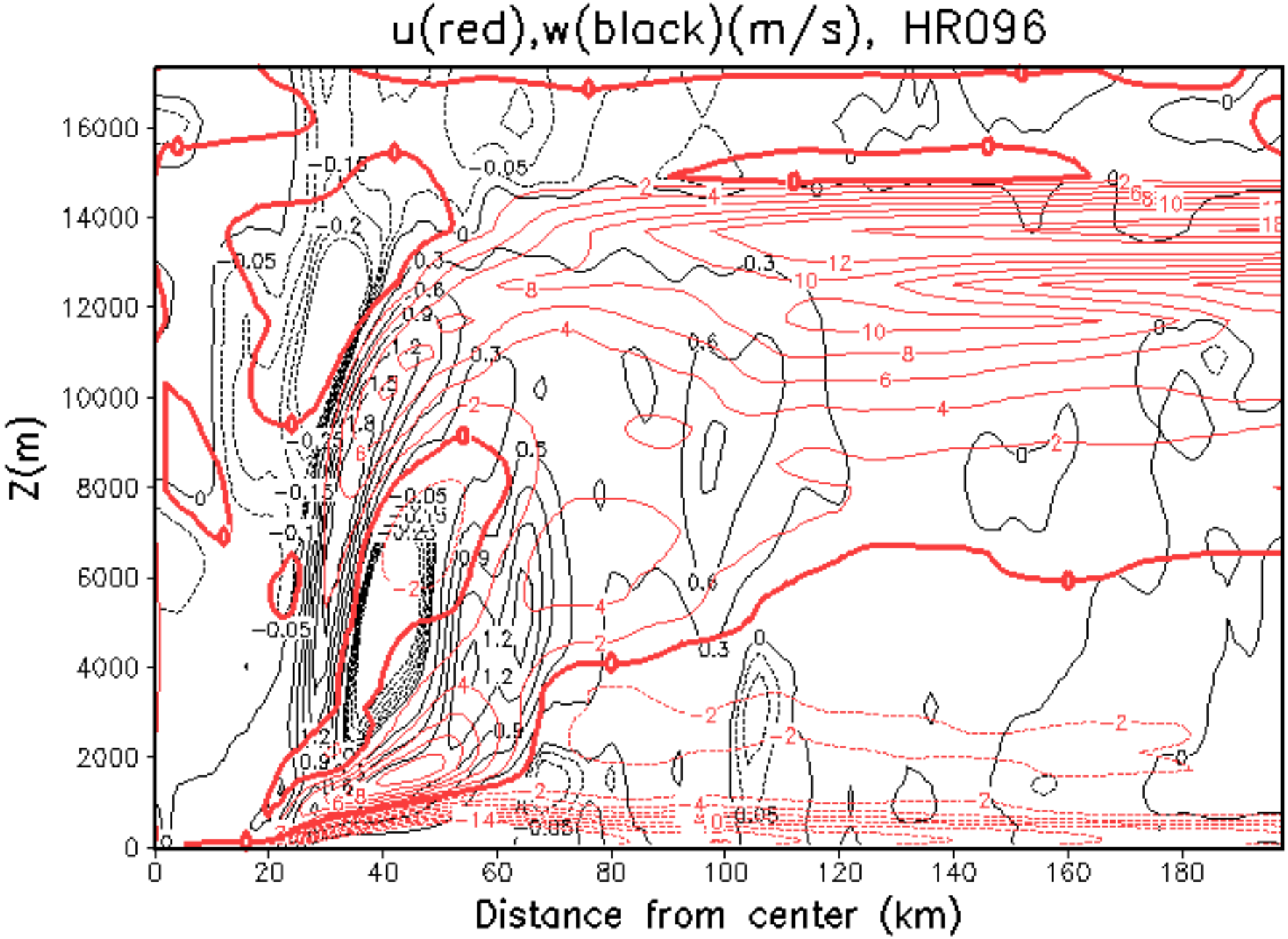

u(red),w(black)(m/s), HR066
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

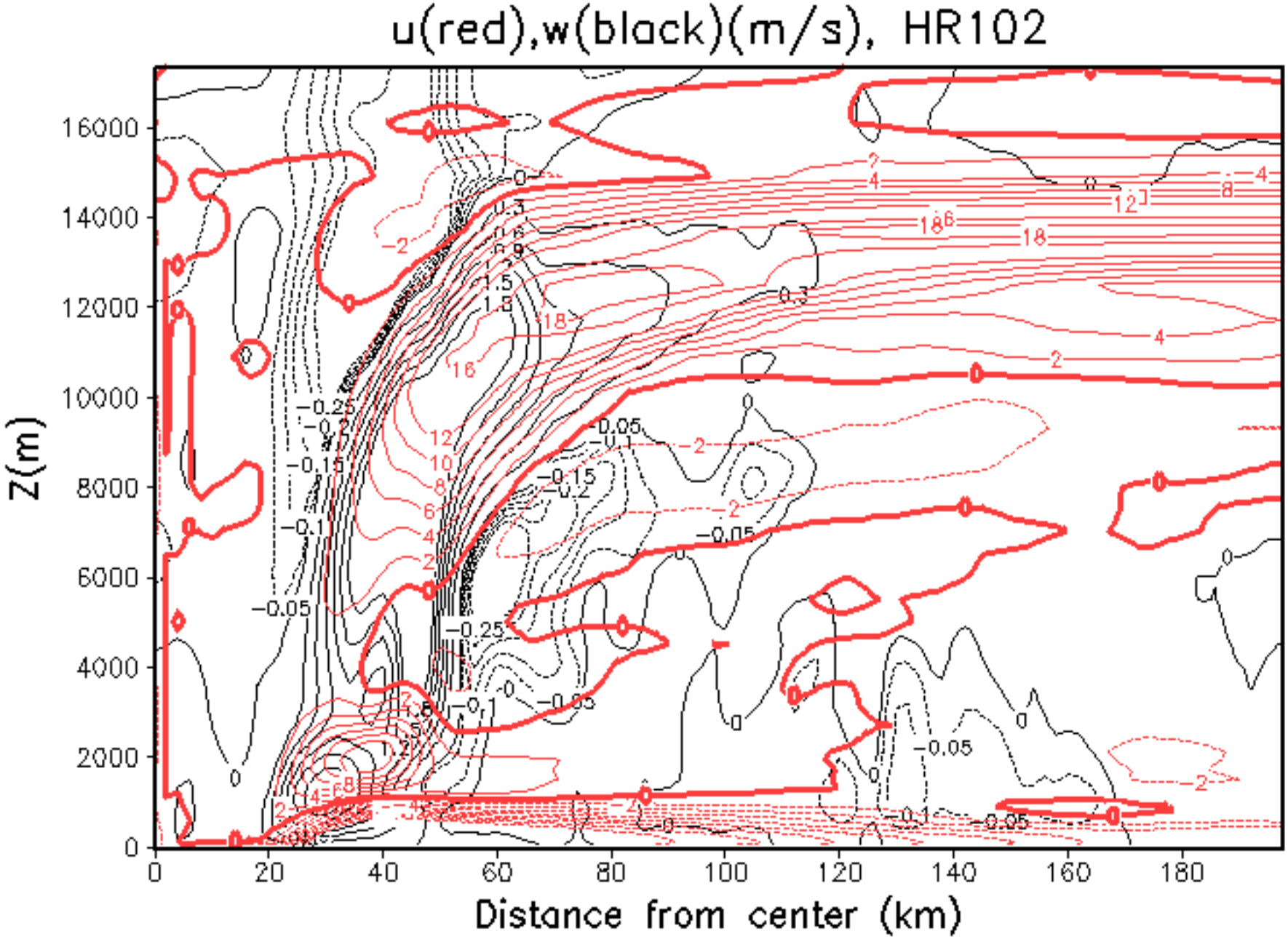

u(red),w(black)(m/s), HR072
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

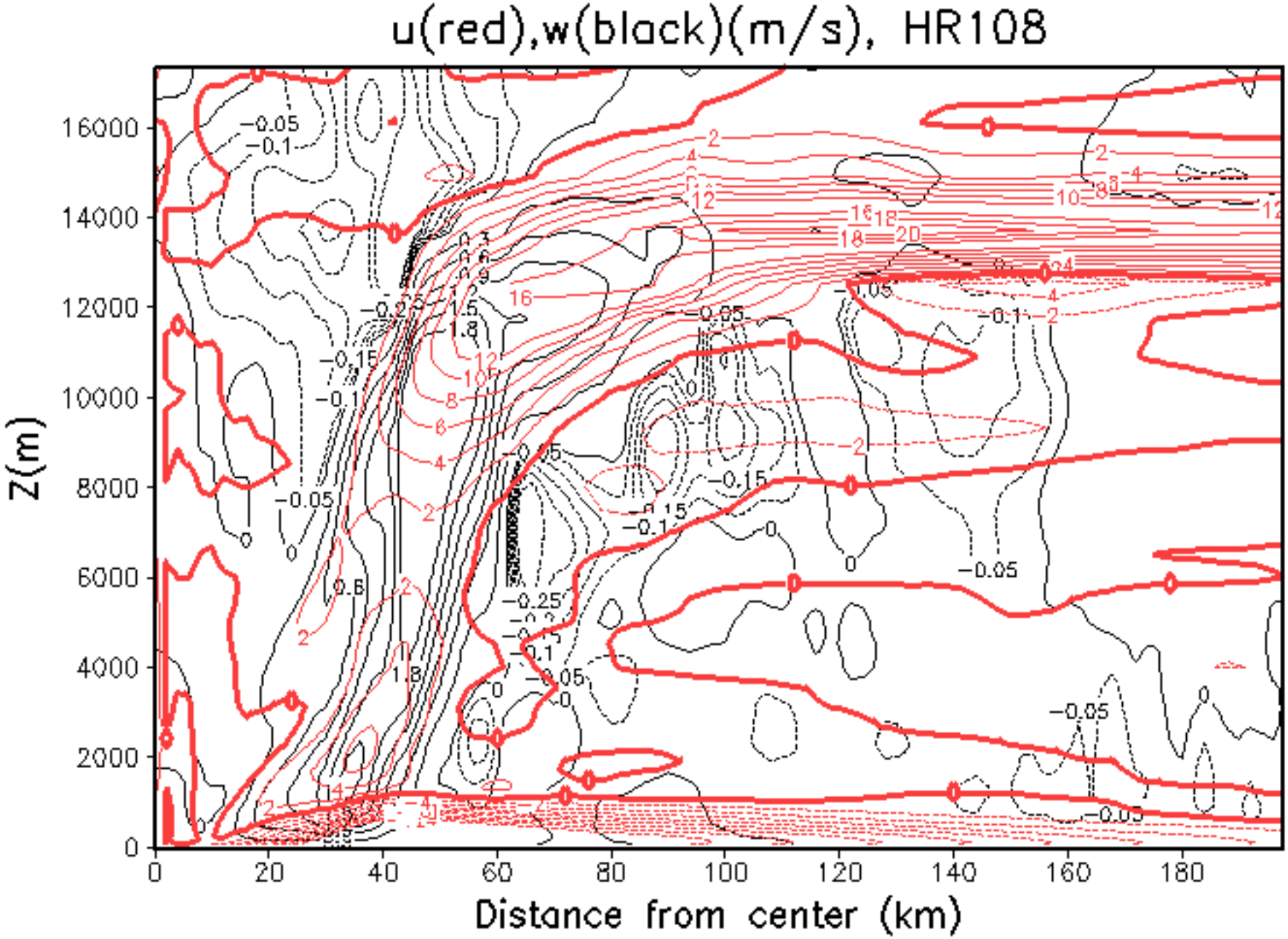

u(red),w(black)(m/s), HR078
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

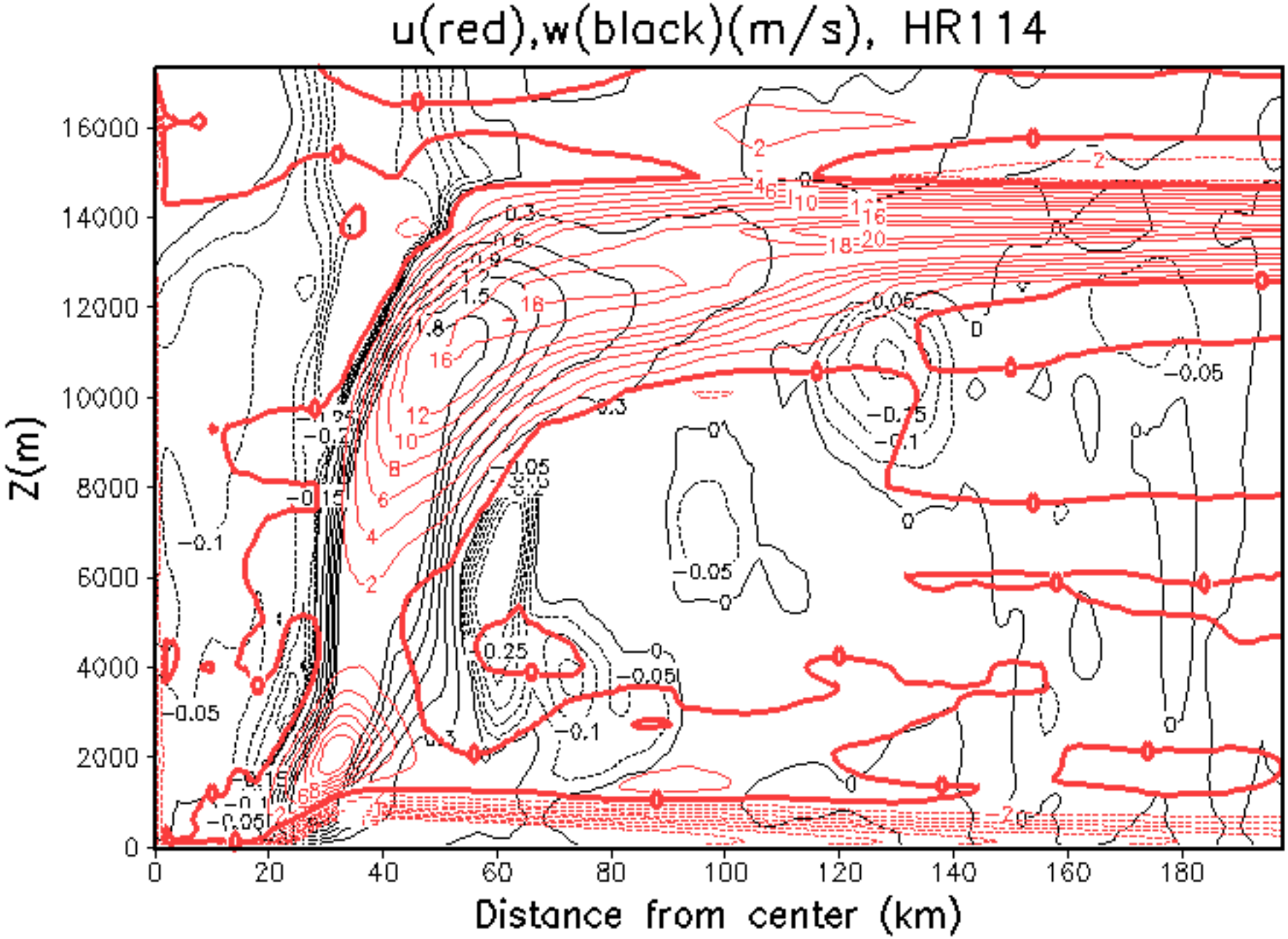

u(red),w(black)(m/s), HR084
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

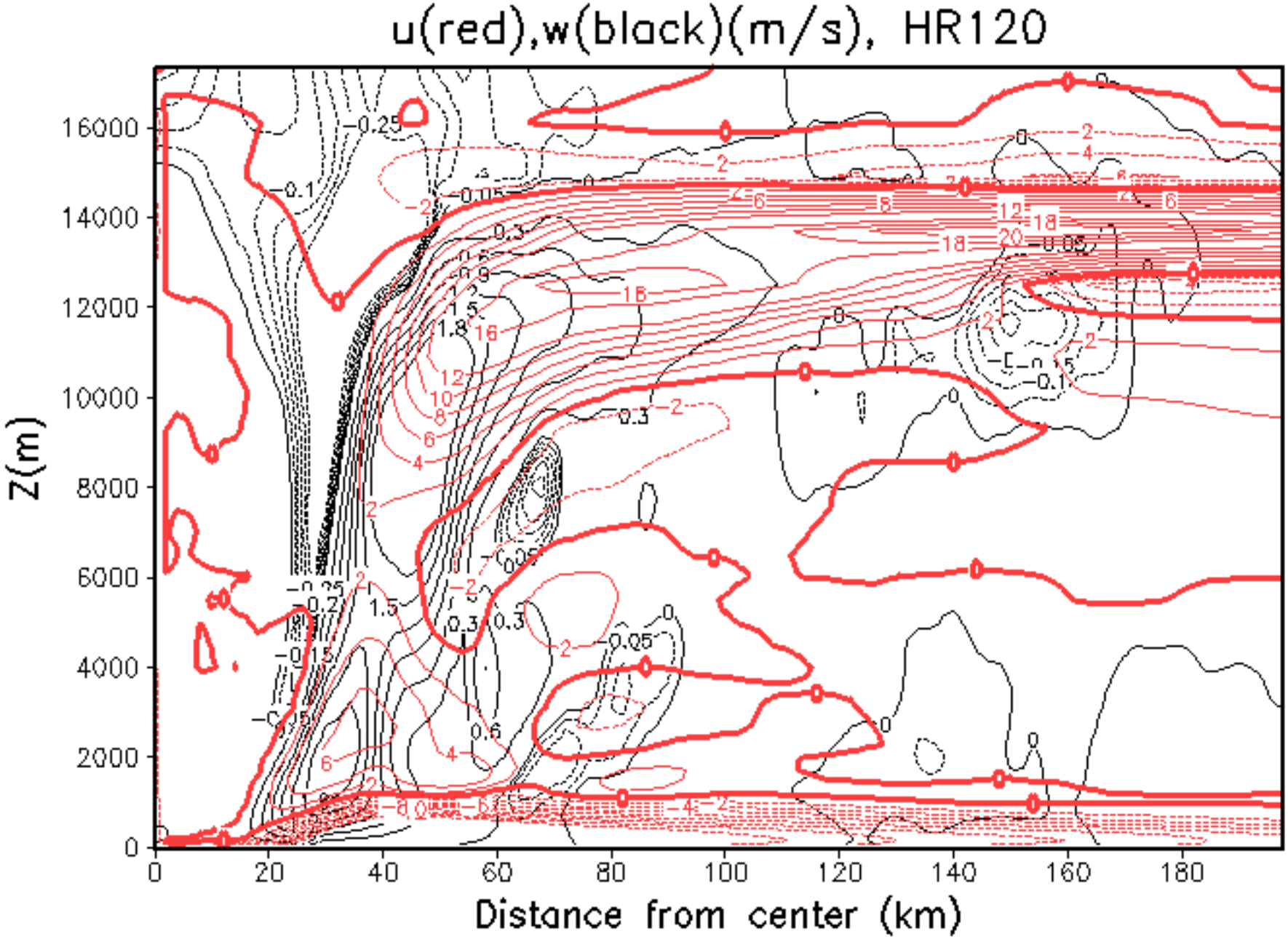

u(red),w(black)(m/s), HR090
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180

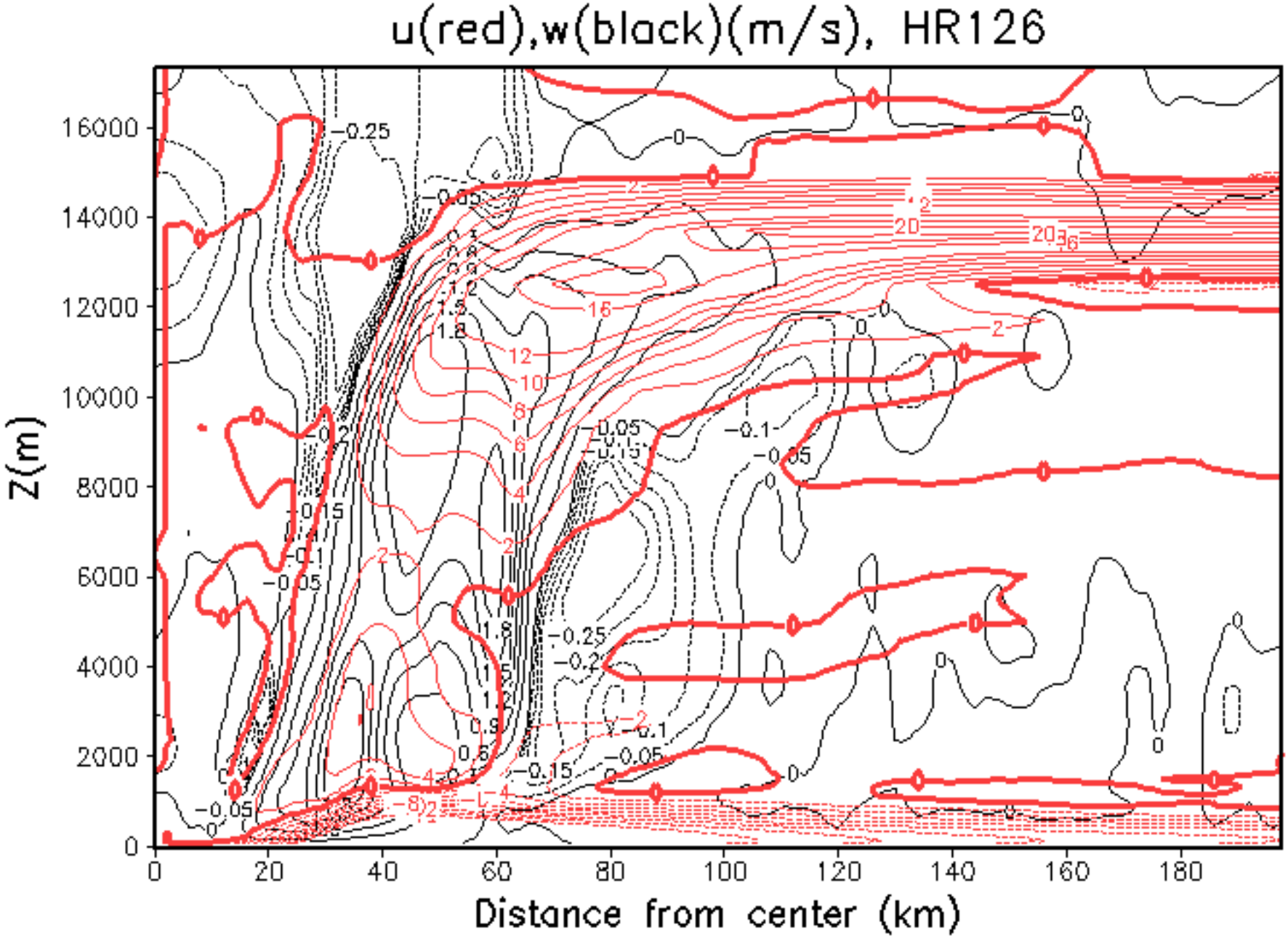

u(red),w(black)(m/s), HR096
Z(m)
Distance from center (km)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180


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)
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), HR114
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), HR120
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), HR126
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