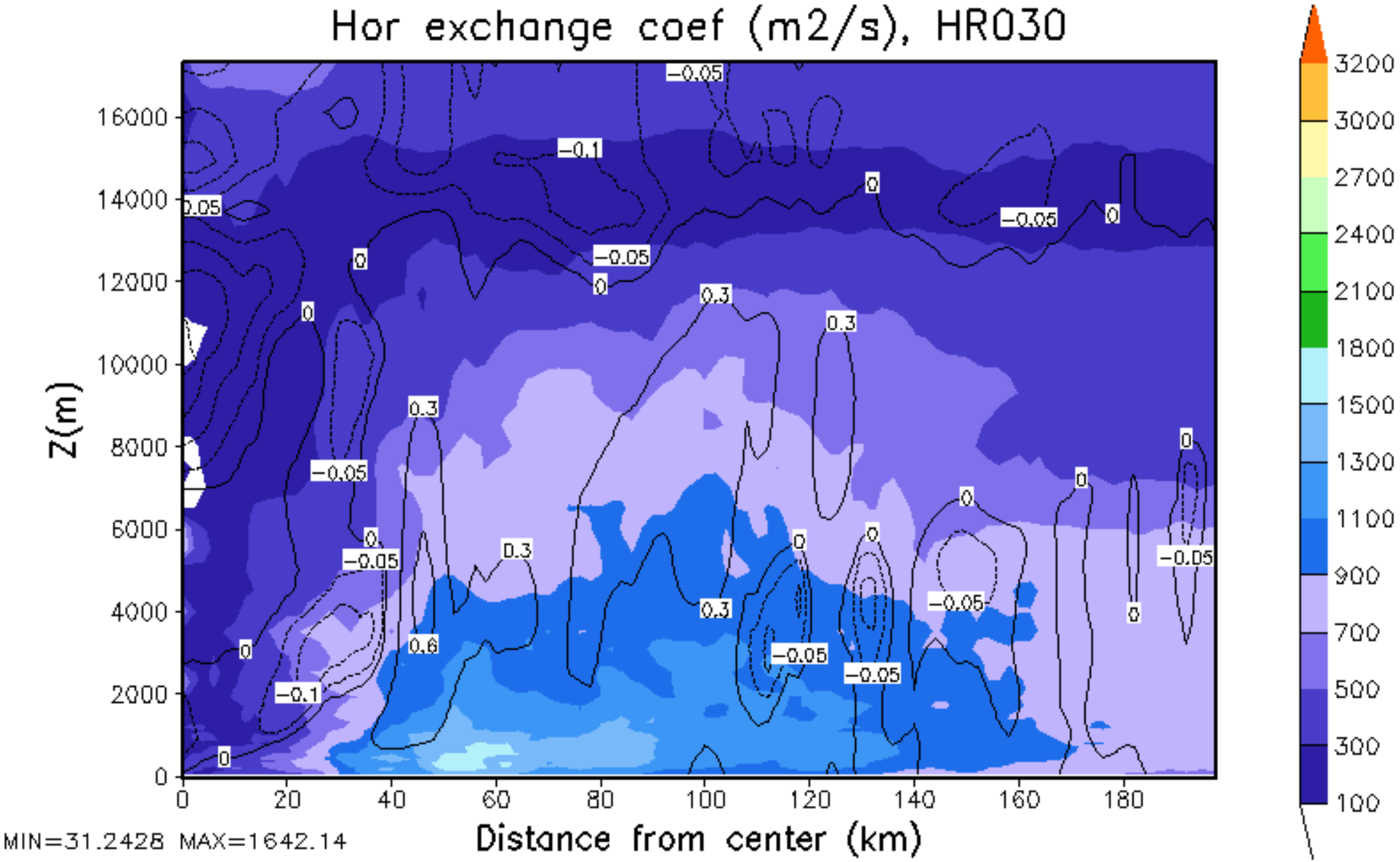
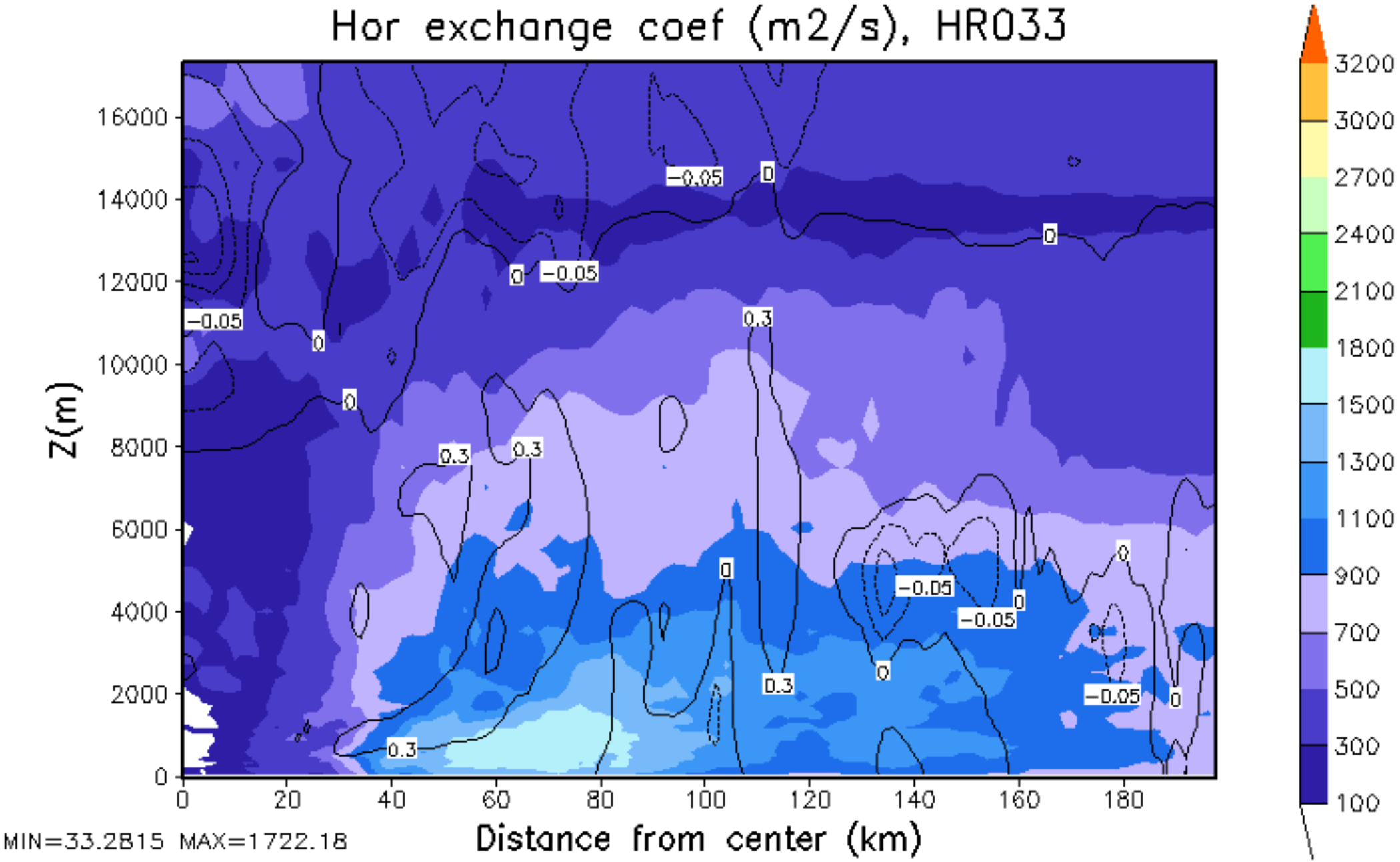
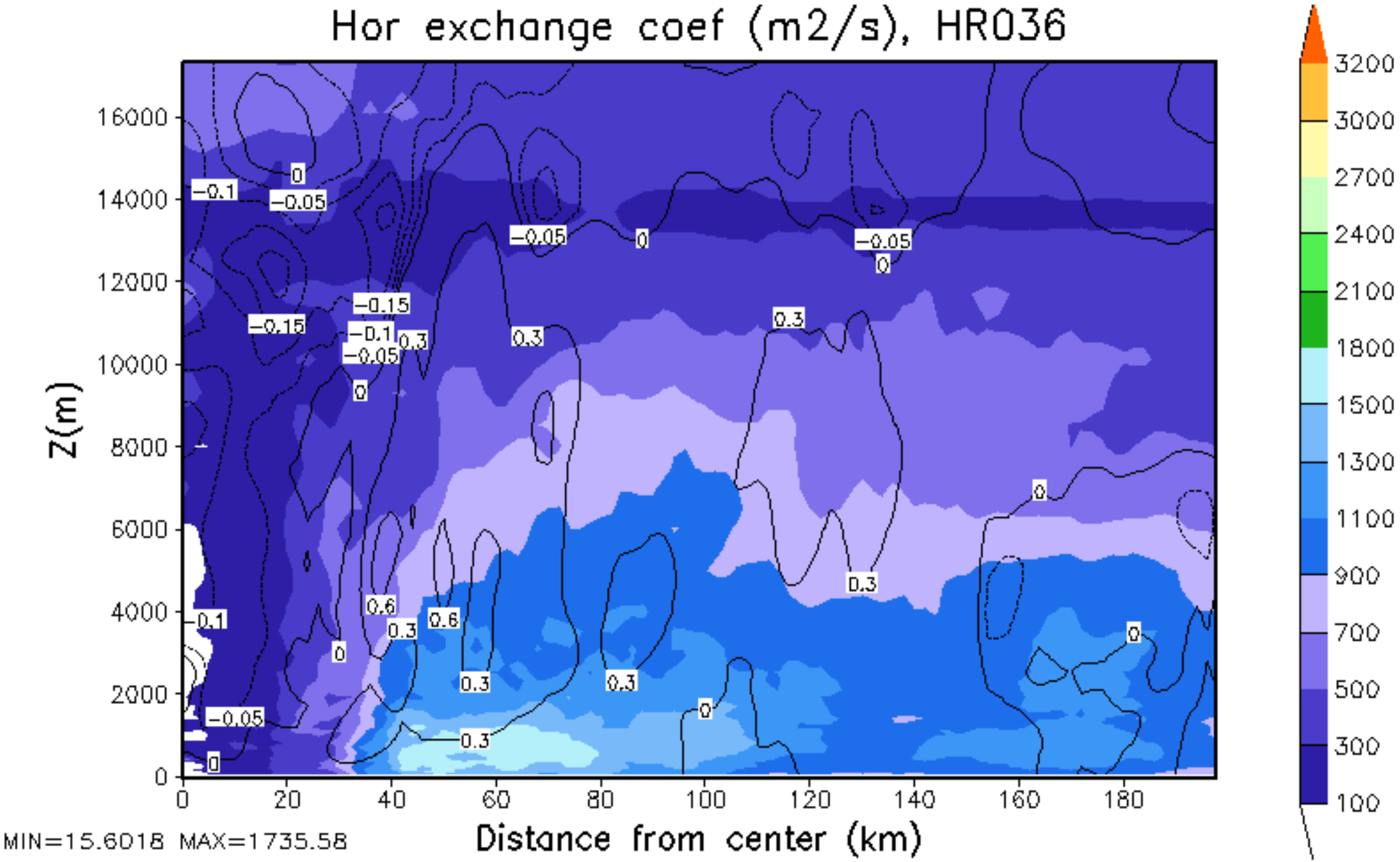
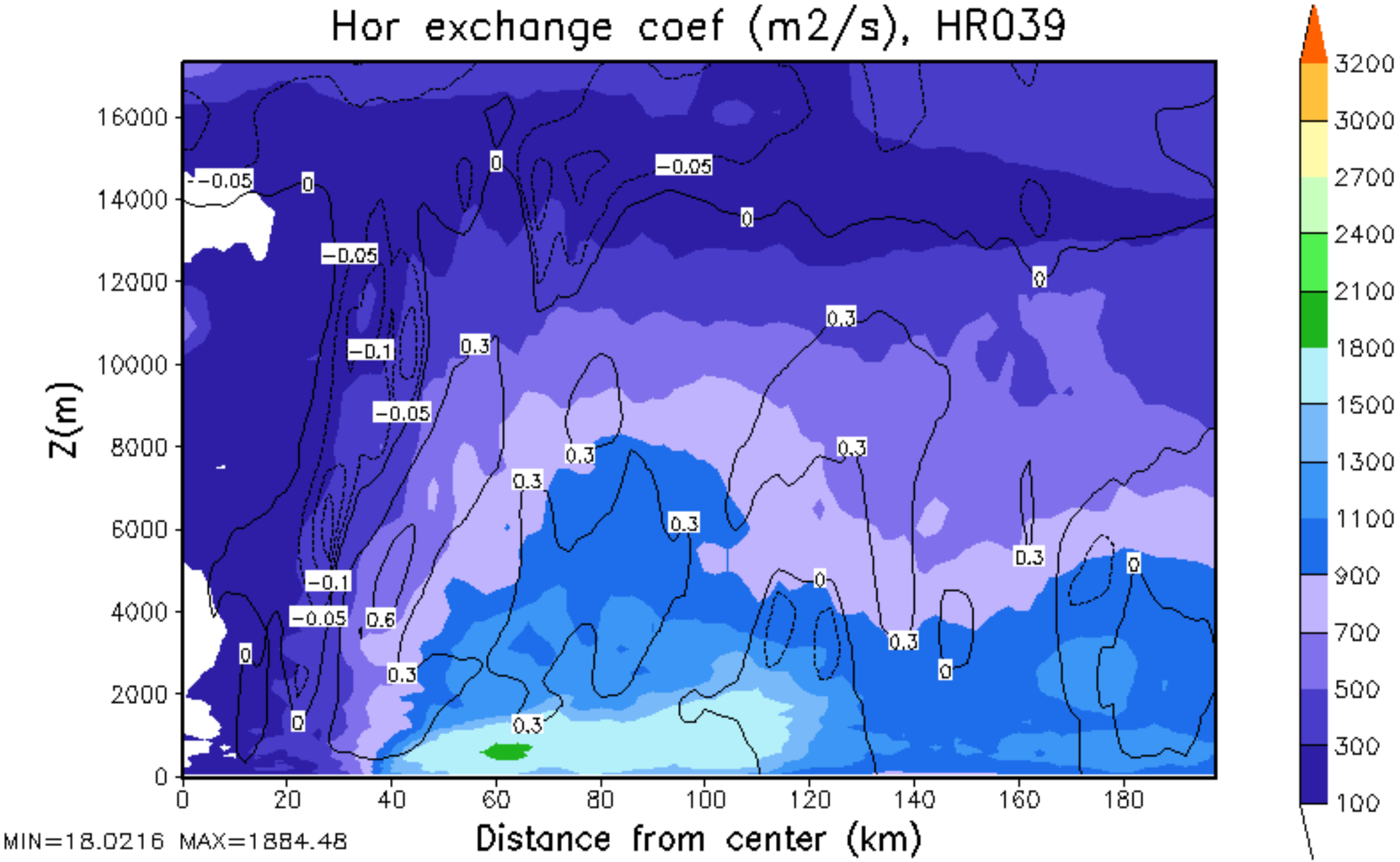
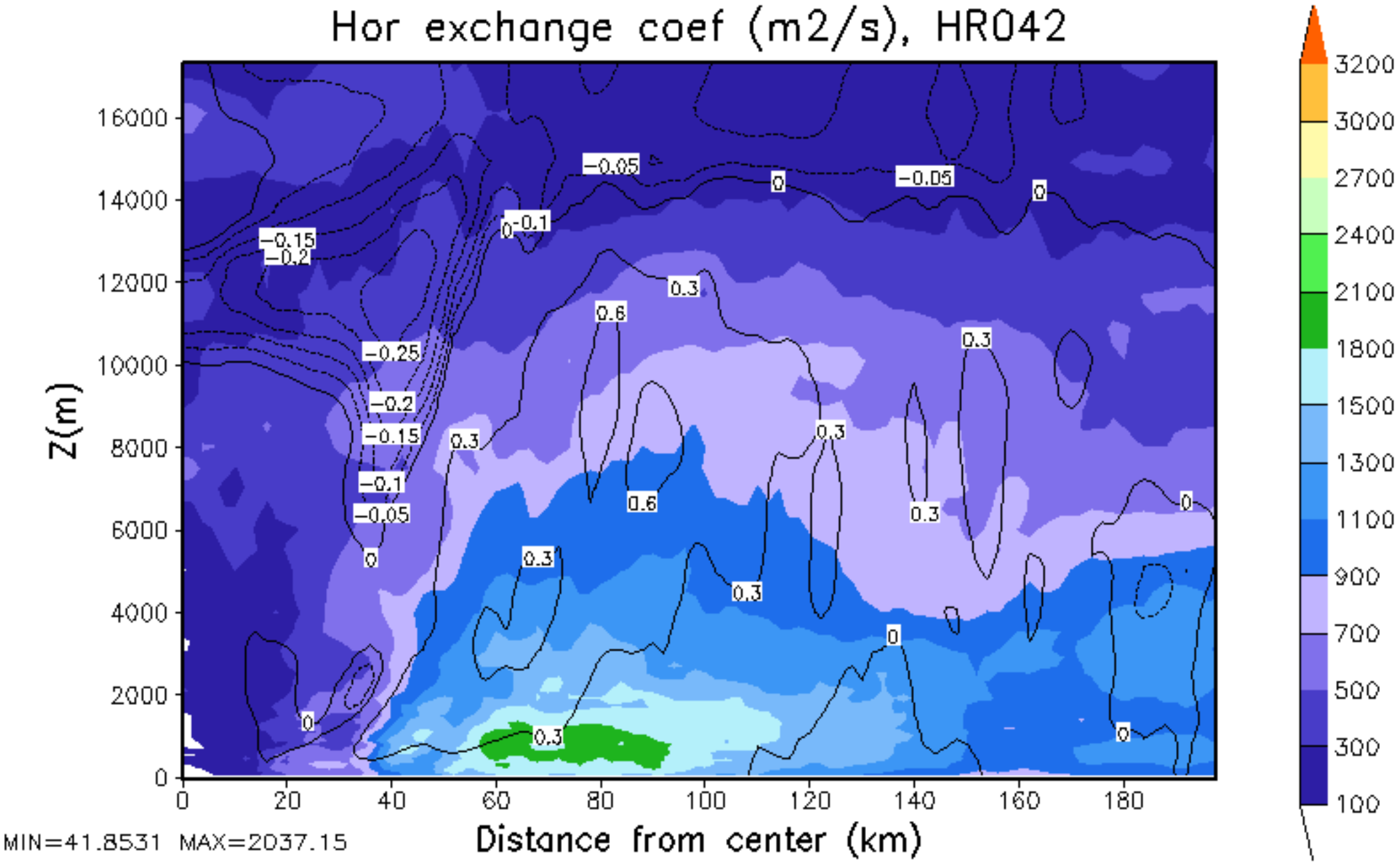
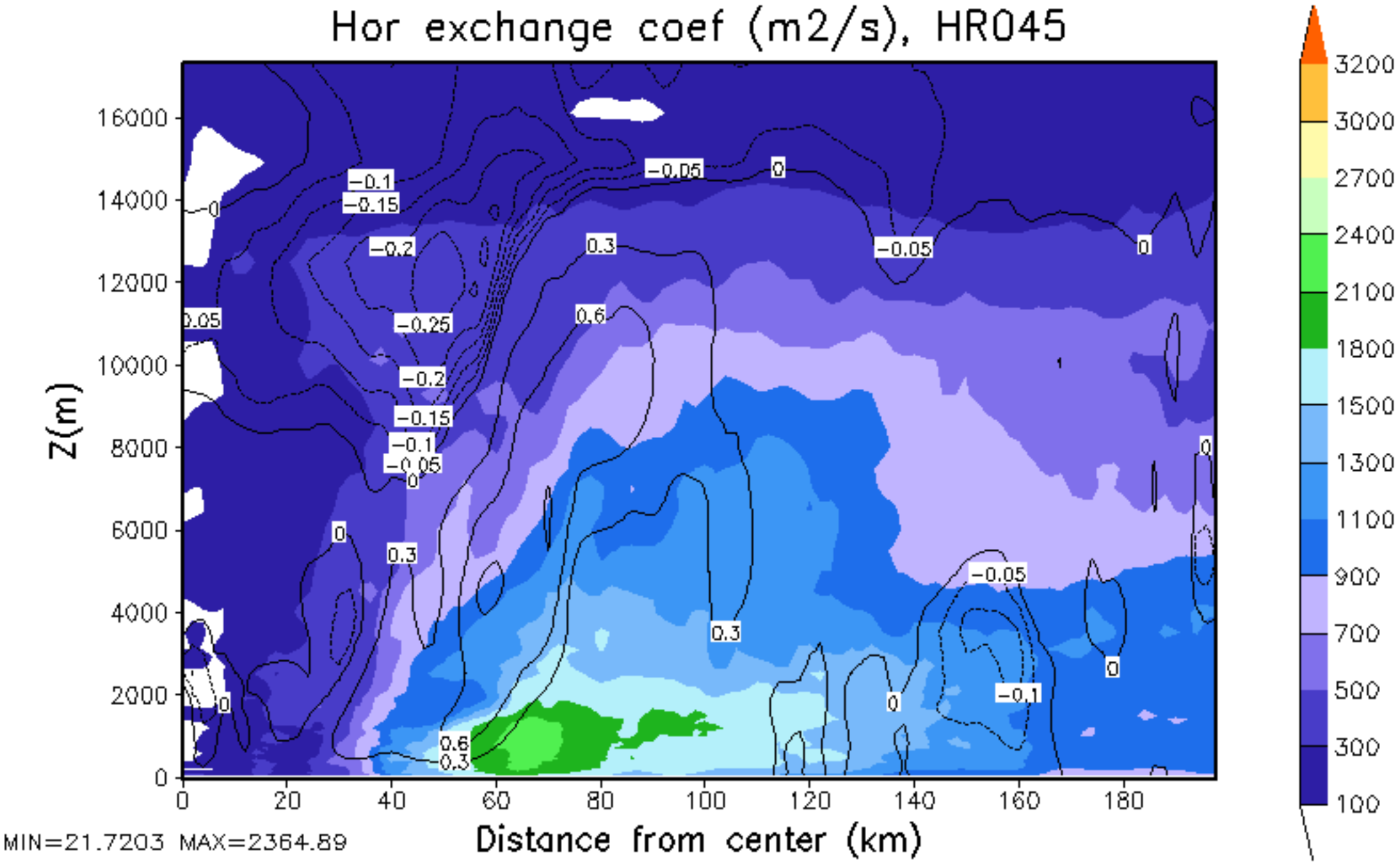

Hor exchange coef (m2/s), HR030
Z(m)
Distance from center (km)
MIN=31.2428 MAX=1642.14
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

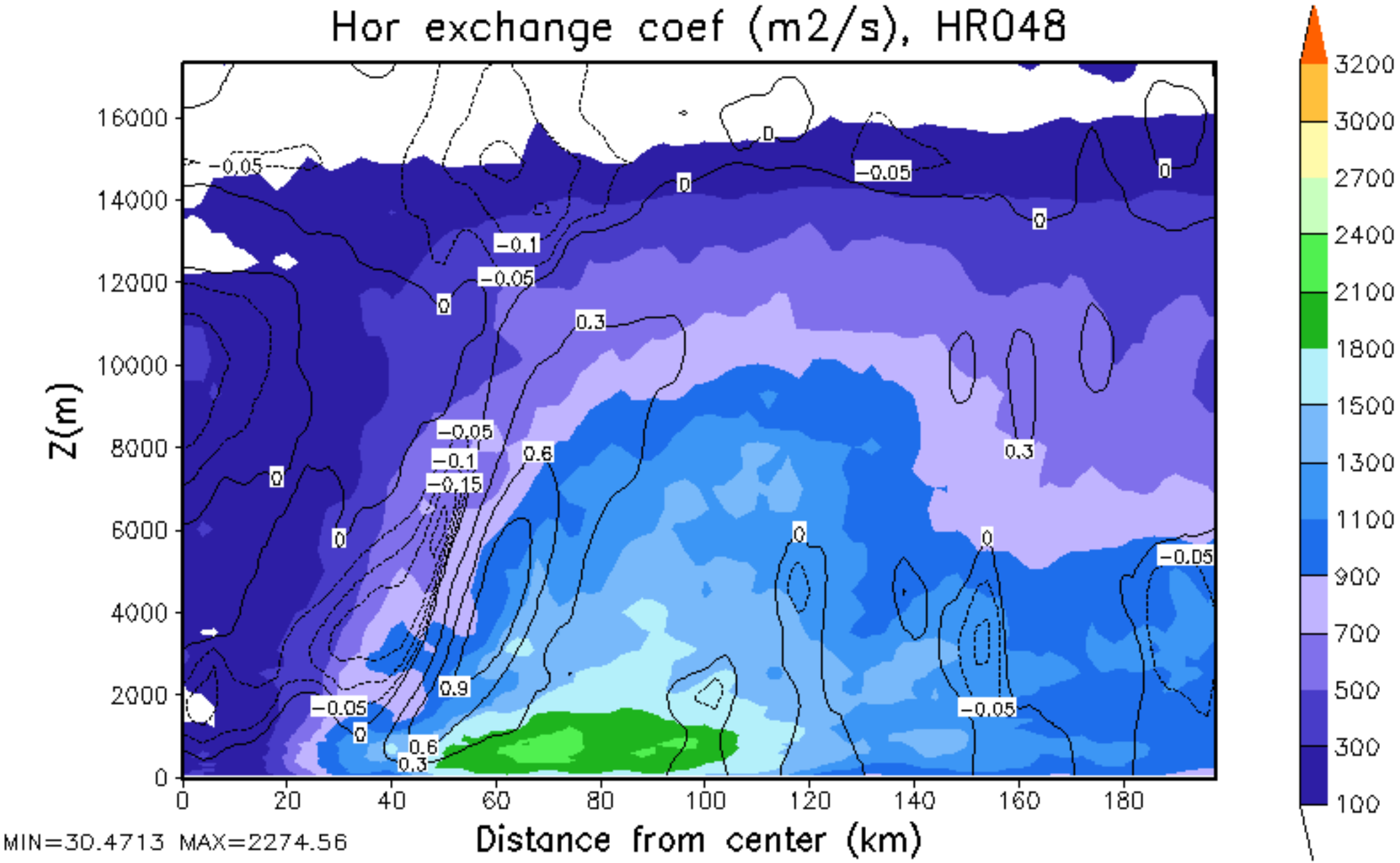

Hor exchange coef (m2/s), HR033
Z(m)
Distance from center (km)
MIN=33.2815 MAX=1722.18
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
0.3

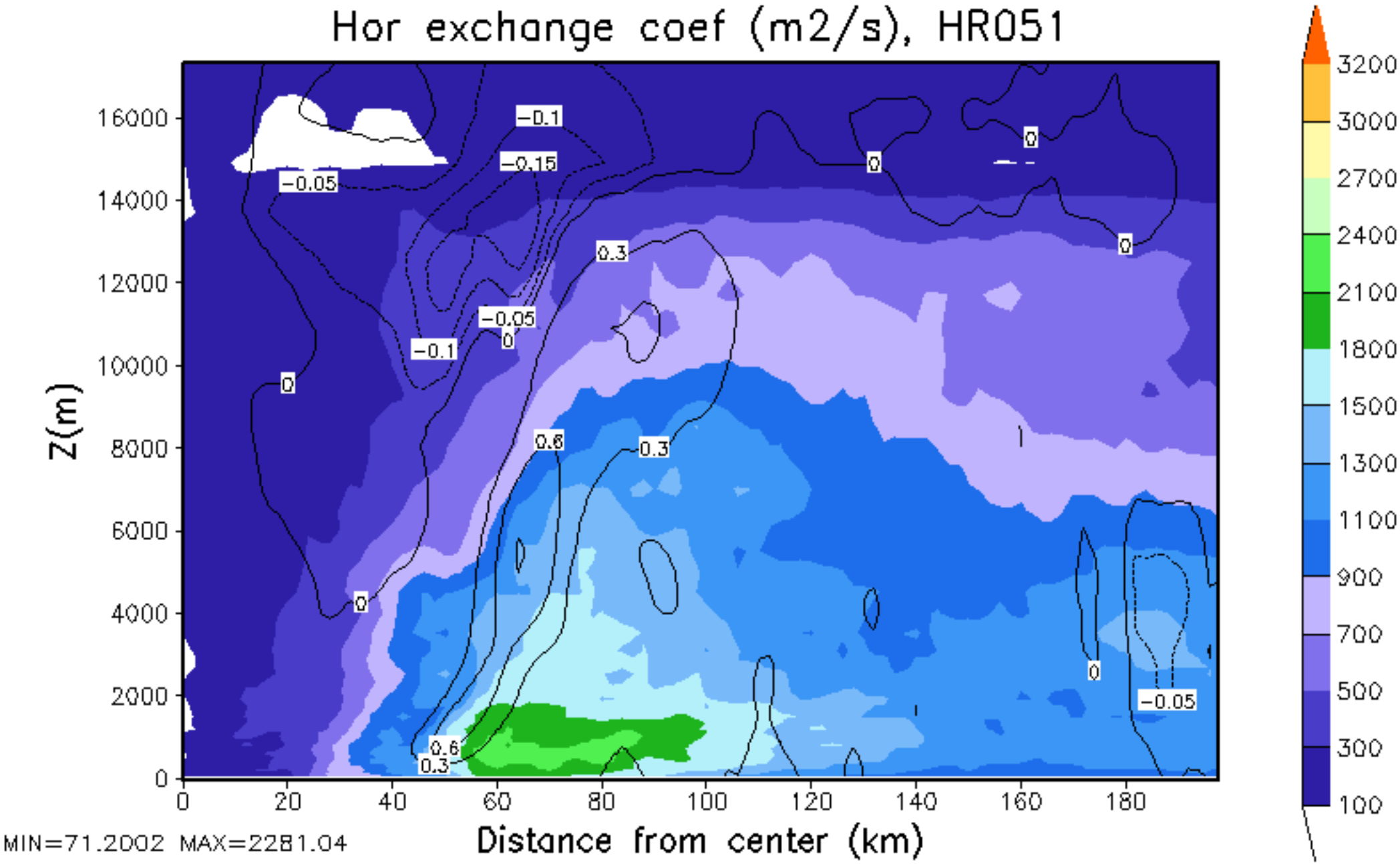

Hor exchange coef (m2/s), HR036
Z(m)
Distance from center (km)
MIN=15.6018 MAX=1735.58
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

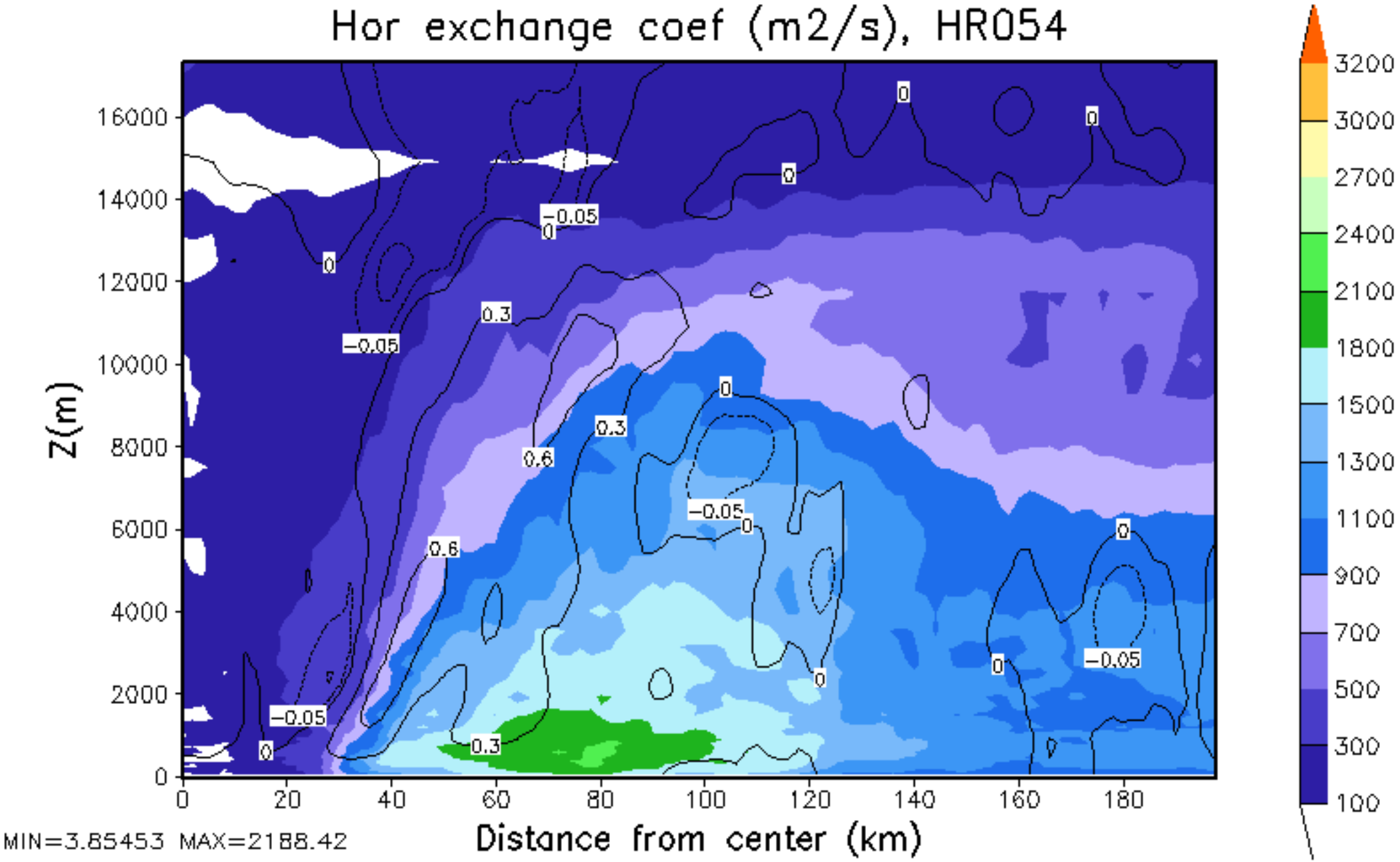

Hor exchange coef (m2/s), HR039
Z(m)
Distance from center (km)
MIN=18.0216 MAX=1884.48
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
0.3
-0.1
0.6

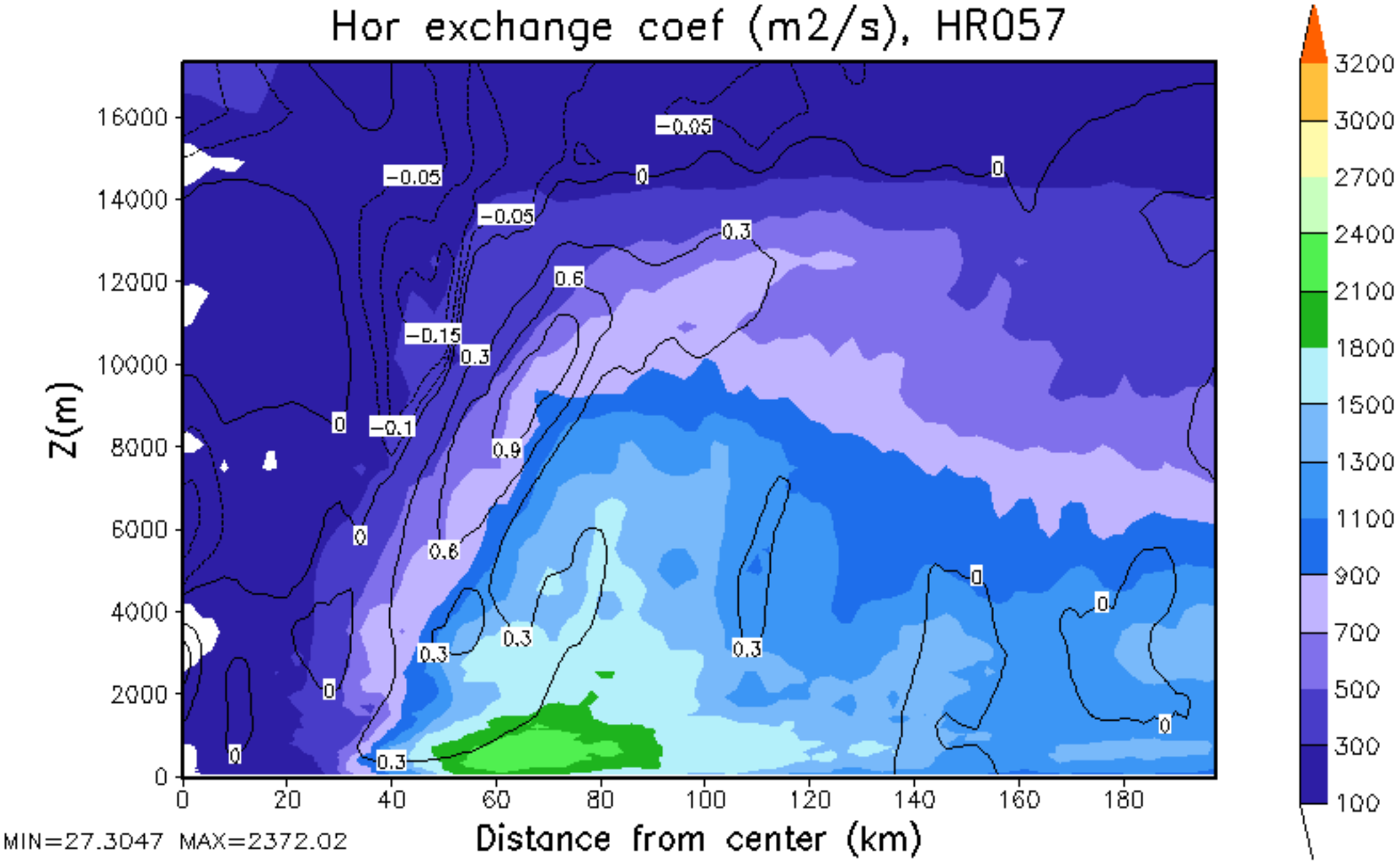

Hor exchange coef (m2/s), HR042
Z(m)
Distance from center (km)
MIN=41.8531 MAX=2037.15
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
-0.1
-0.15
-0.2
-0.25
0
0.3
0.6

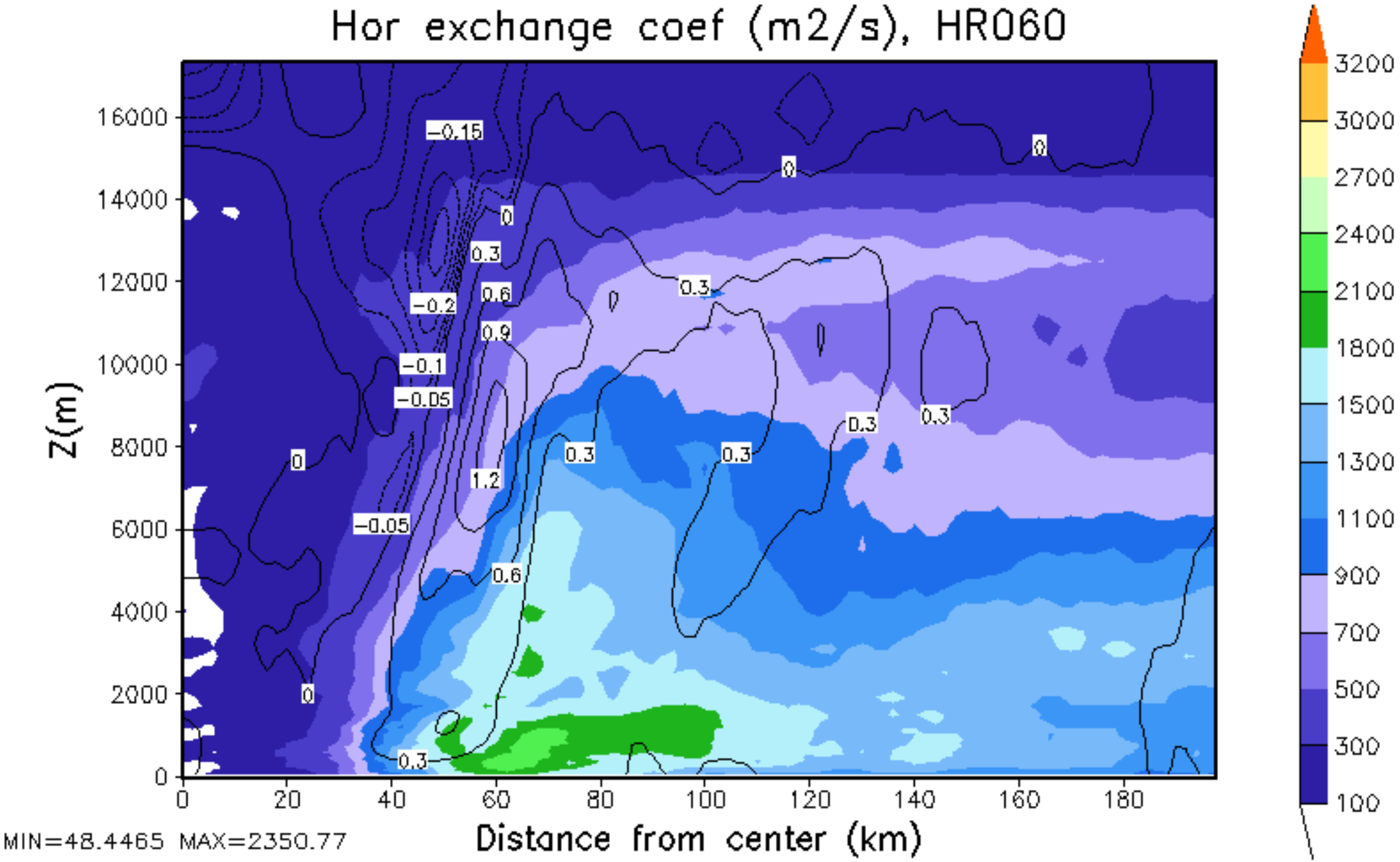

Hor exchange coef (m2/s), HR045
Z(m)
Distance from center (km)
MIN=21.7203 MAX=2364.89
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

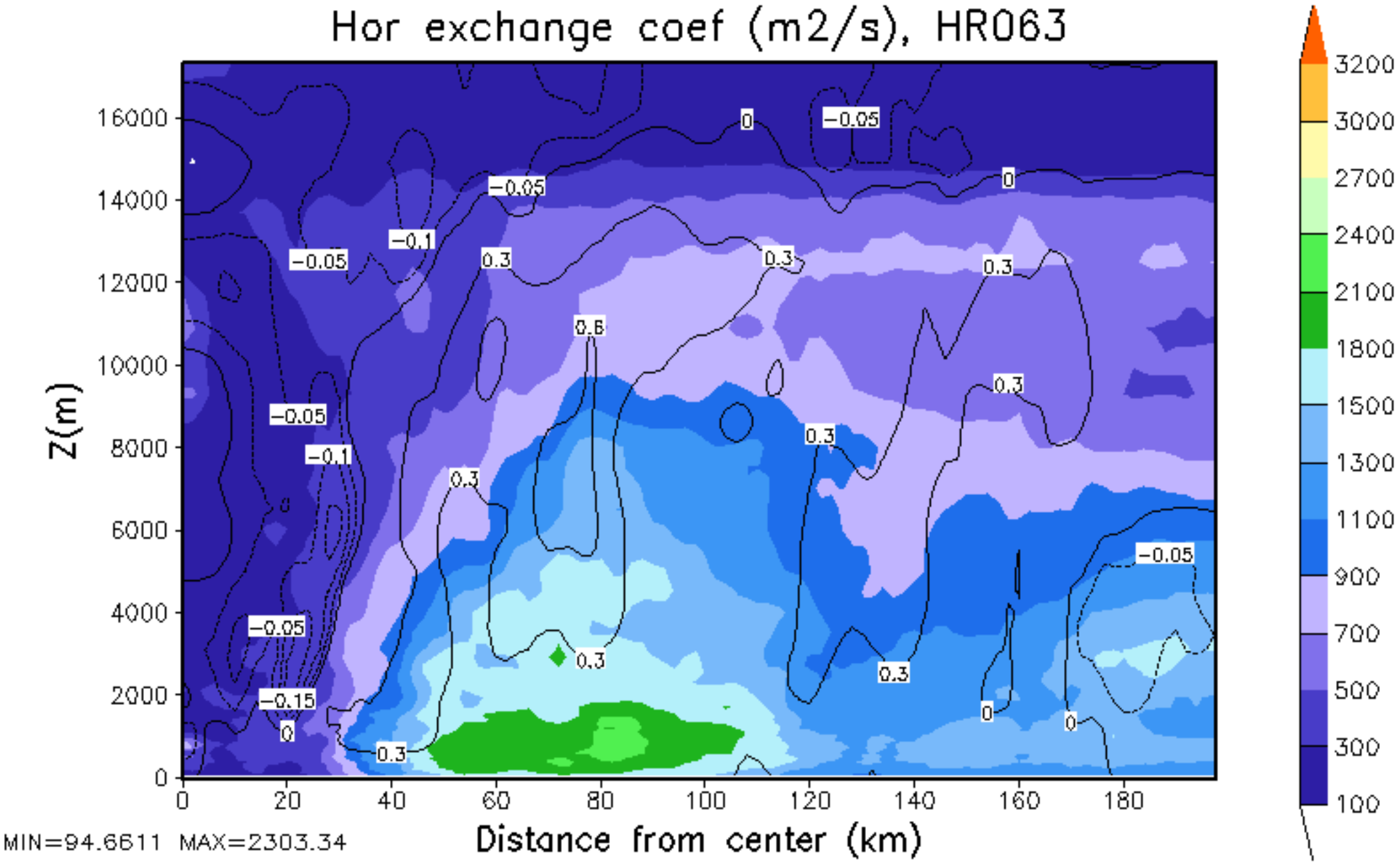

Hor exchange coef (m2/s), HR048
Z(m)
Distance from center (km)
MIN=30.4713 MAX=2274.56
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
-0.1
0.3
0.6
-0.15
0.9

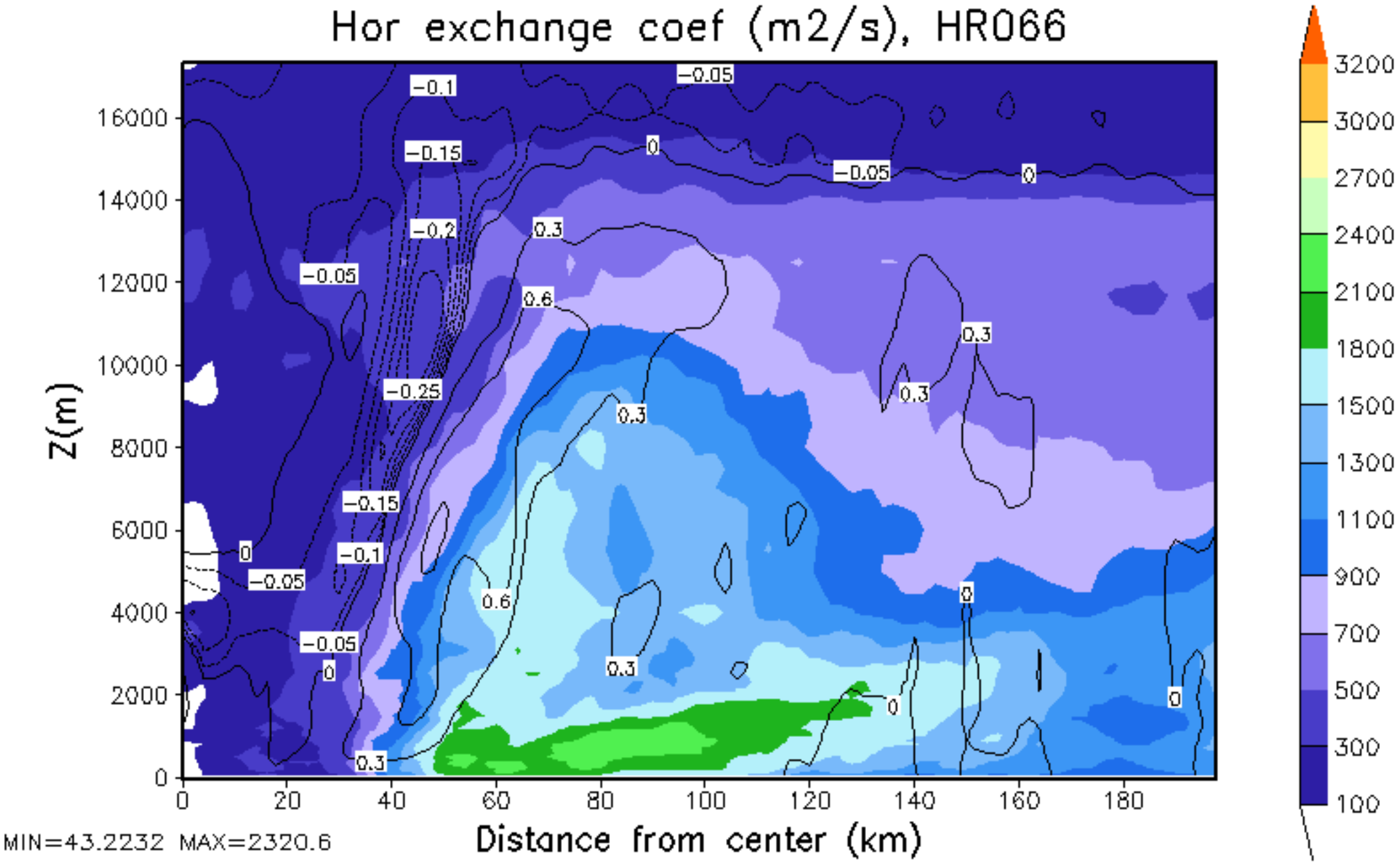

Hor exchange coef (m2/s), HR051
Z(m)
Distance from center (km)
MIN=71.2002 MAX=2281.04
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
-0.1
-0.15
-0.05
0.3
0.6
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

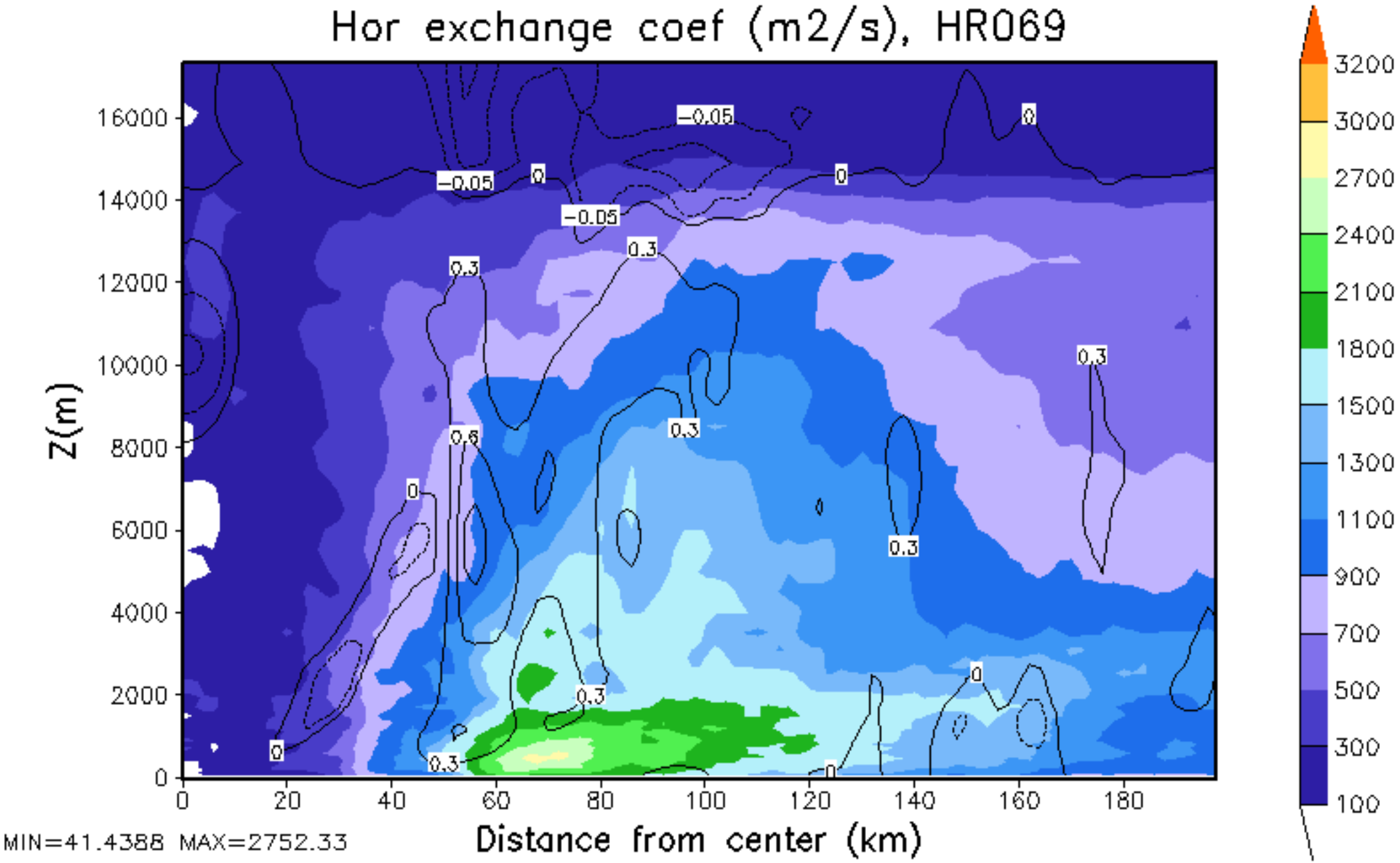

Hor exchange coef (m2/s), HR054
Z(m)
Distance from center (km)
MIN=3.85453 MAX=2188.42
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
-0.05
0.3
0.6

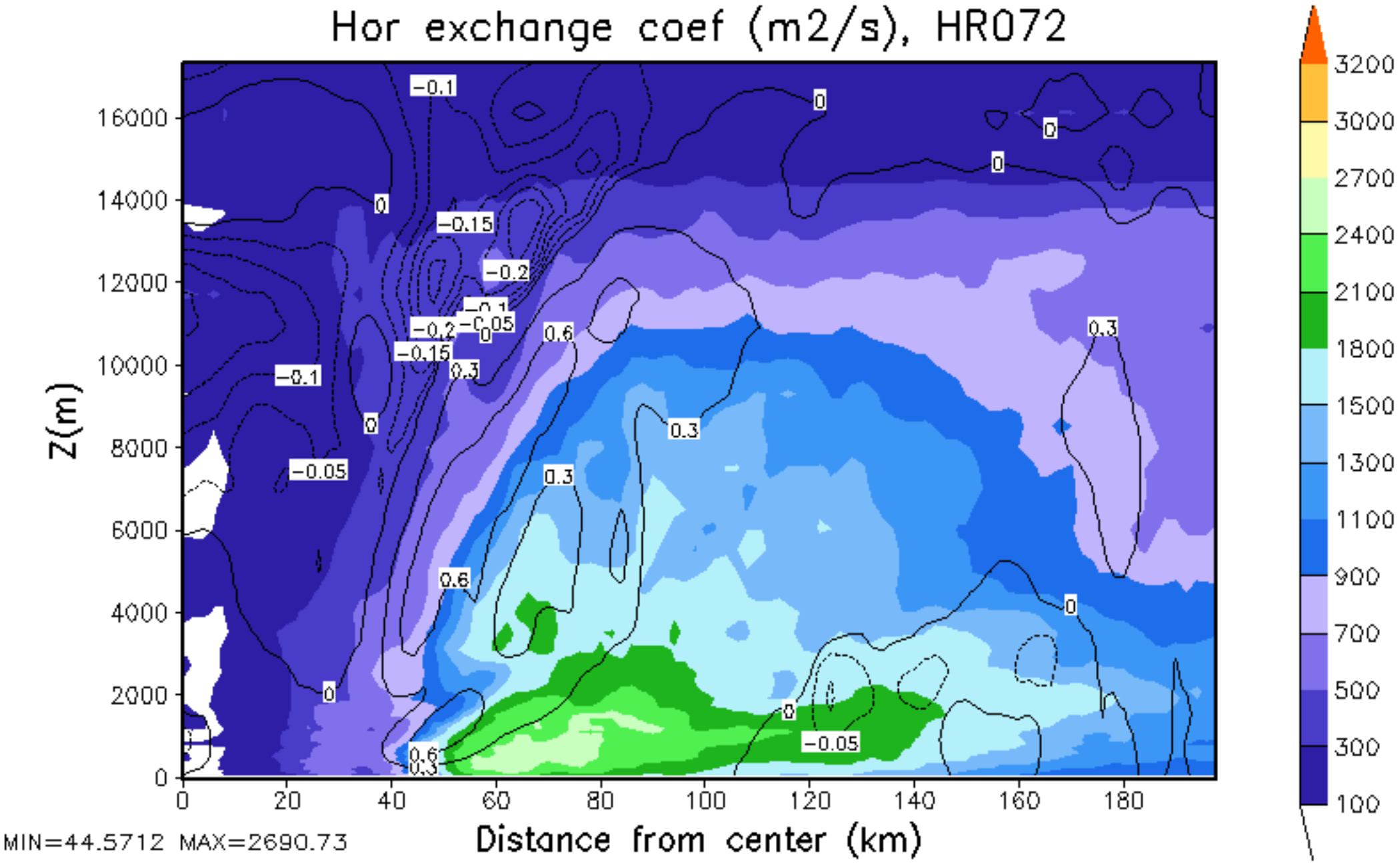

Hor exchange coef (m2/s), HR057
Z(m)
Distance from center (km)
MIN=27.3047 MAX=2372.02
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
0.3
0.6
-0.15
-0.1
0.9
0.8

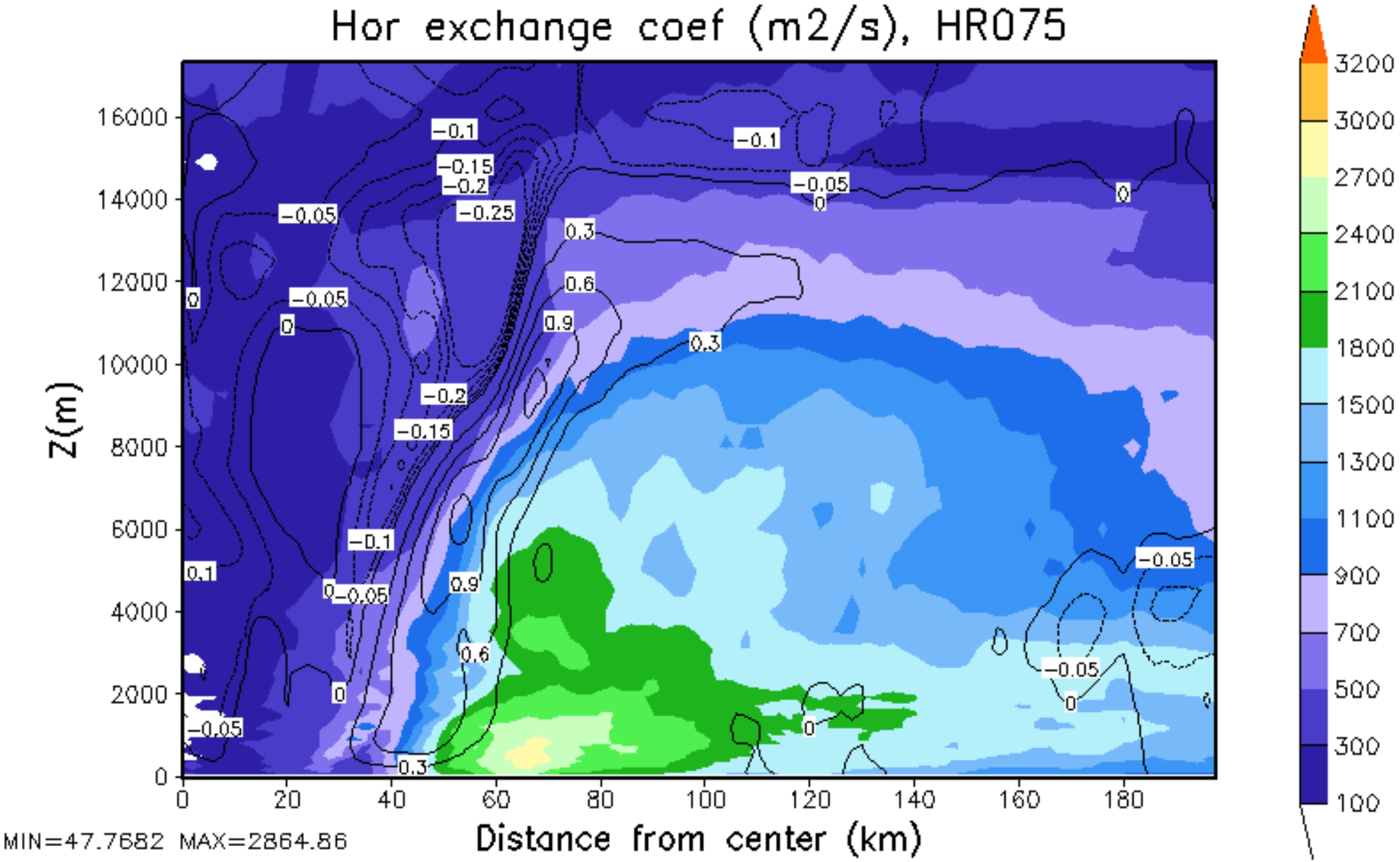

Hor exchange coef (m2/s), HR060
Z(m)
Distance from center (km)
MIN=48.4465 MAX=2350.77
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
100
300
500
700
900
1100
1300
1500
1800
2100
2400
2700
3000
3200
−0.15
−0.2
−0.1
−0.05
0.3
0.6
0.9
1.2

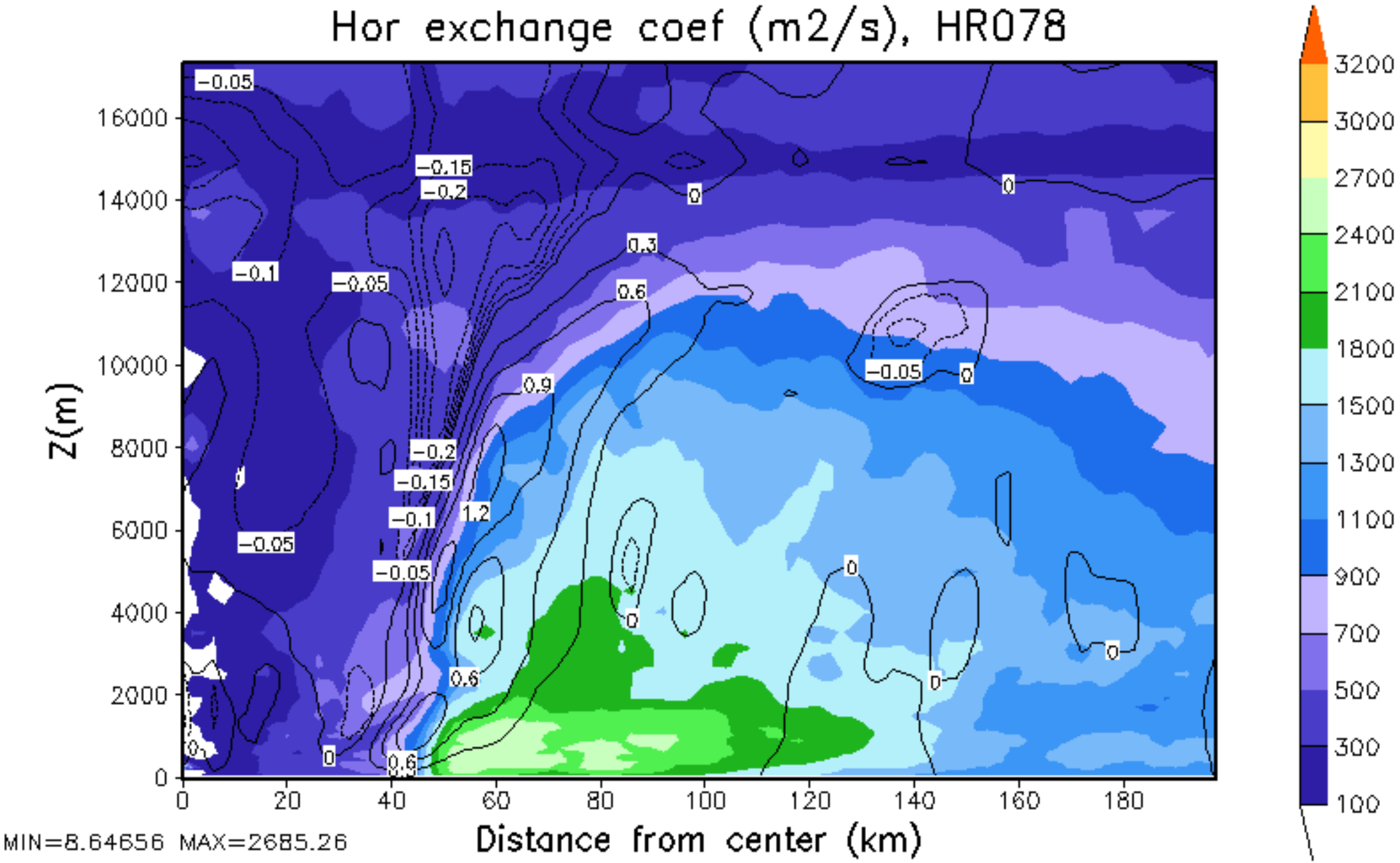

Hor exchange coef (m2/s), HR063
Z(m)
Distance from center (km)
MIN=94.6611 MAX=2303.34
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
-0.05
-0.1
-0.15
0.3
0.6

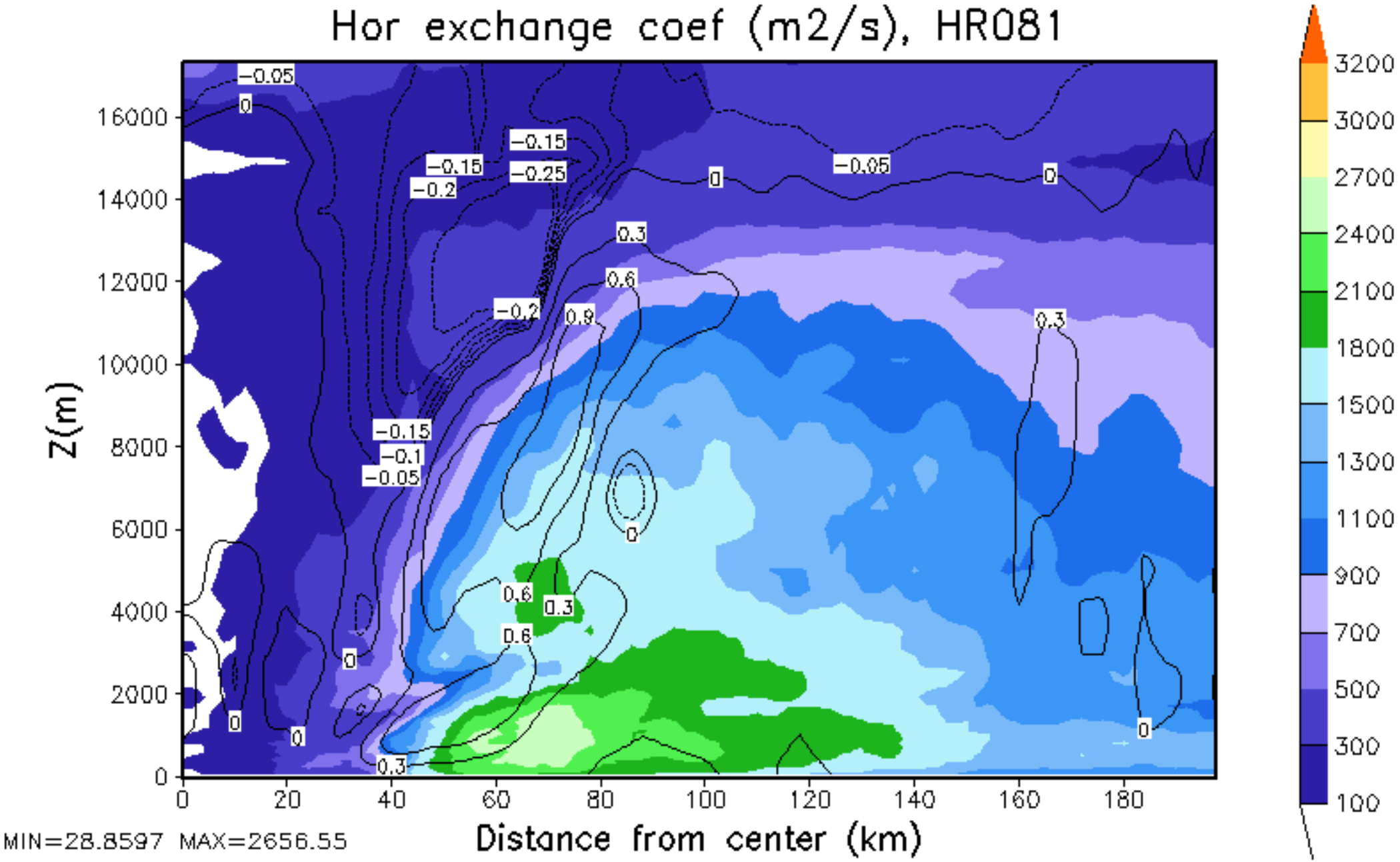

Hor exchange coef (m2/s), HR066
Z(m)
Distance from center (km)
MIN=43.2232 MAX=2320.6
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
100
300
500
700
900
1100
1300
1500
1800
2100
2400
2700
3000
3200
-0.1
-0.05
-0.15
-0.2
-0.25
0
0.3
0.6

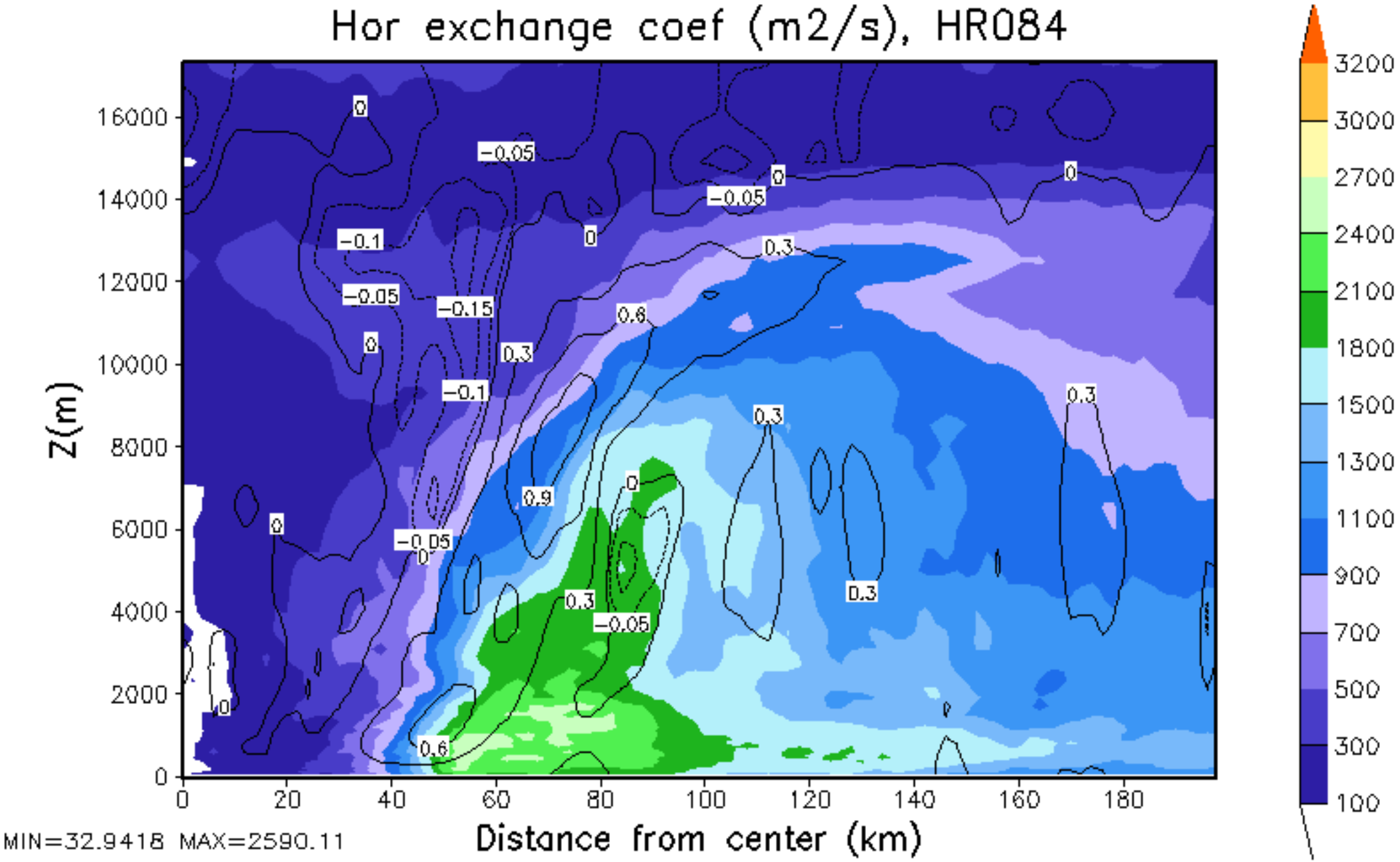

Hor exchange coef (m2/s), HR069
Z(m)
Distance from center (km)
MIN=41.4388 MAX=2752.33
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
0.3
0.6

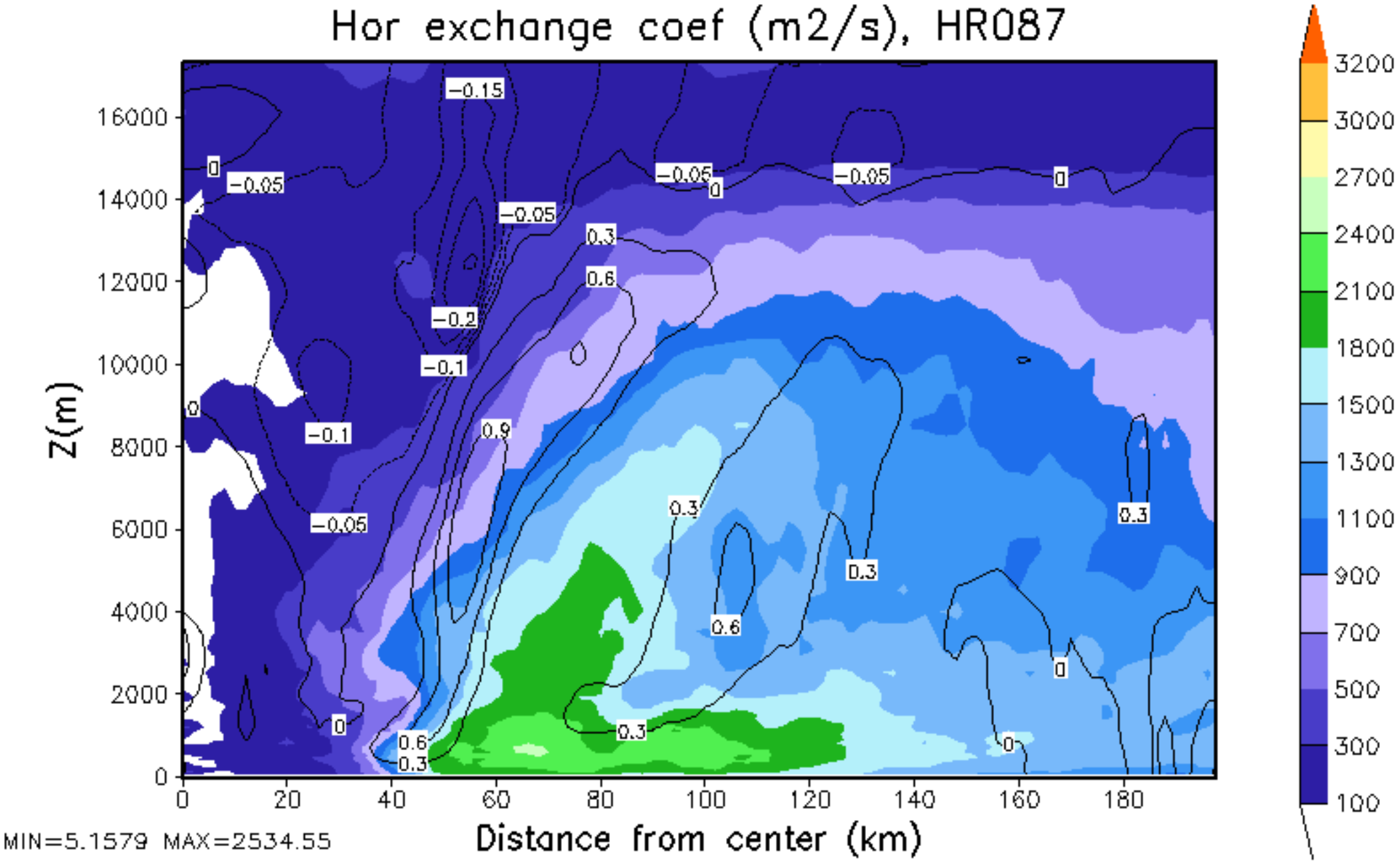

Hor exchange coef (m2/s), HR072
Z(m)
Distance from center (km)
MIN=44.5712 MAX=2690.73
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

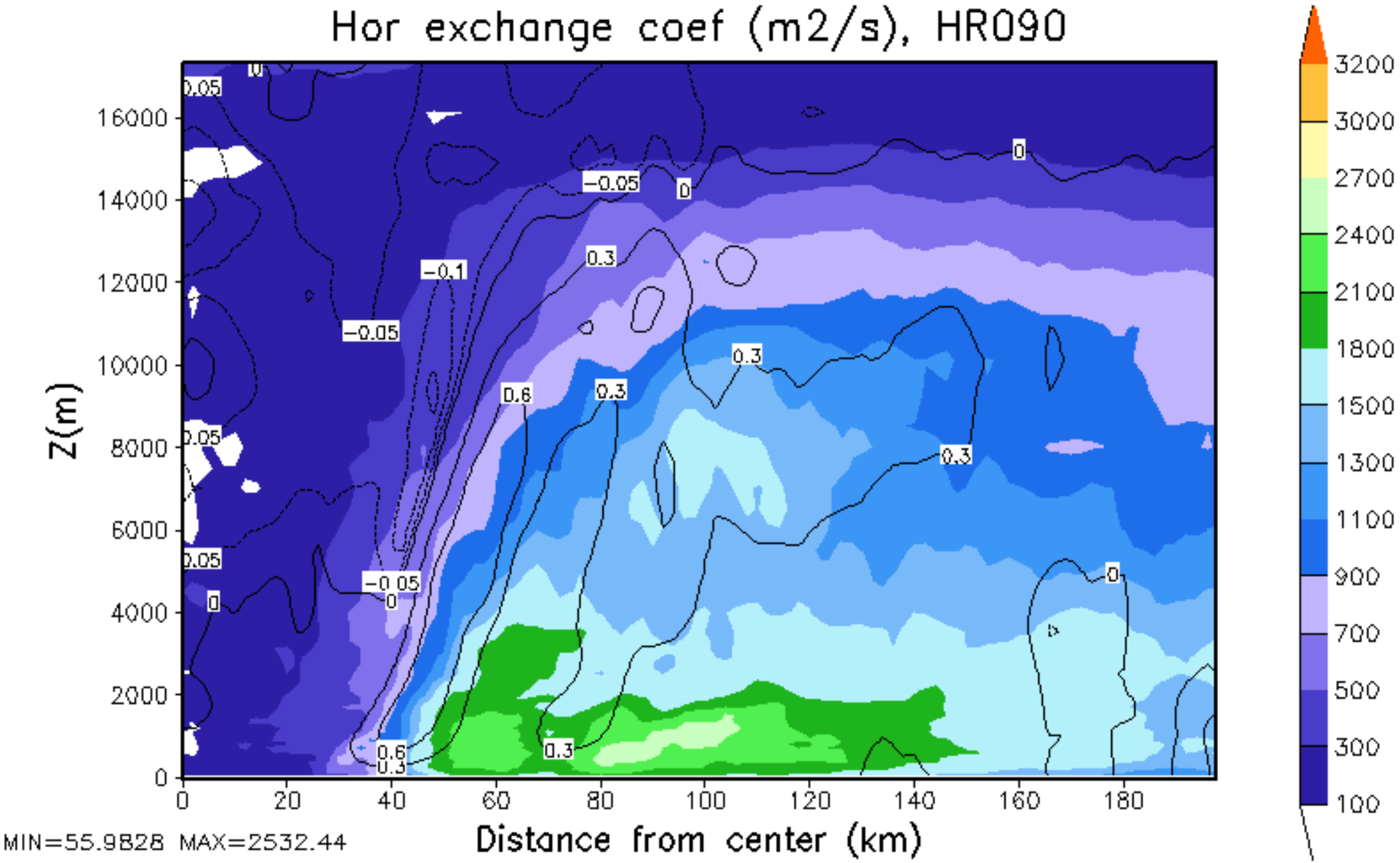

Hor exchange coef (m2/s), HR075
Z(m)
Distance from center (km)
MIN=47.7682 MAX=2864.86
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
100
300
500
700
900
1100
1300
1500
1800
2100
2400
2700
3000
3200

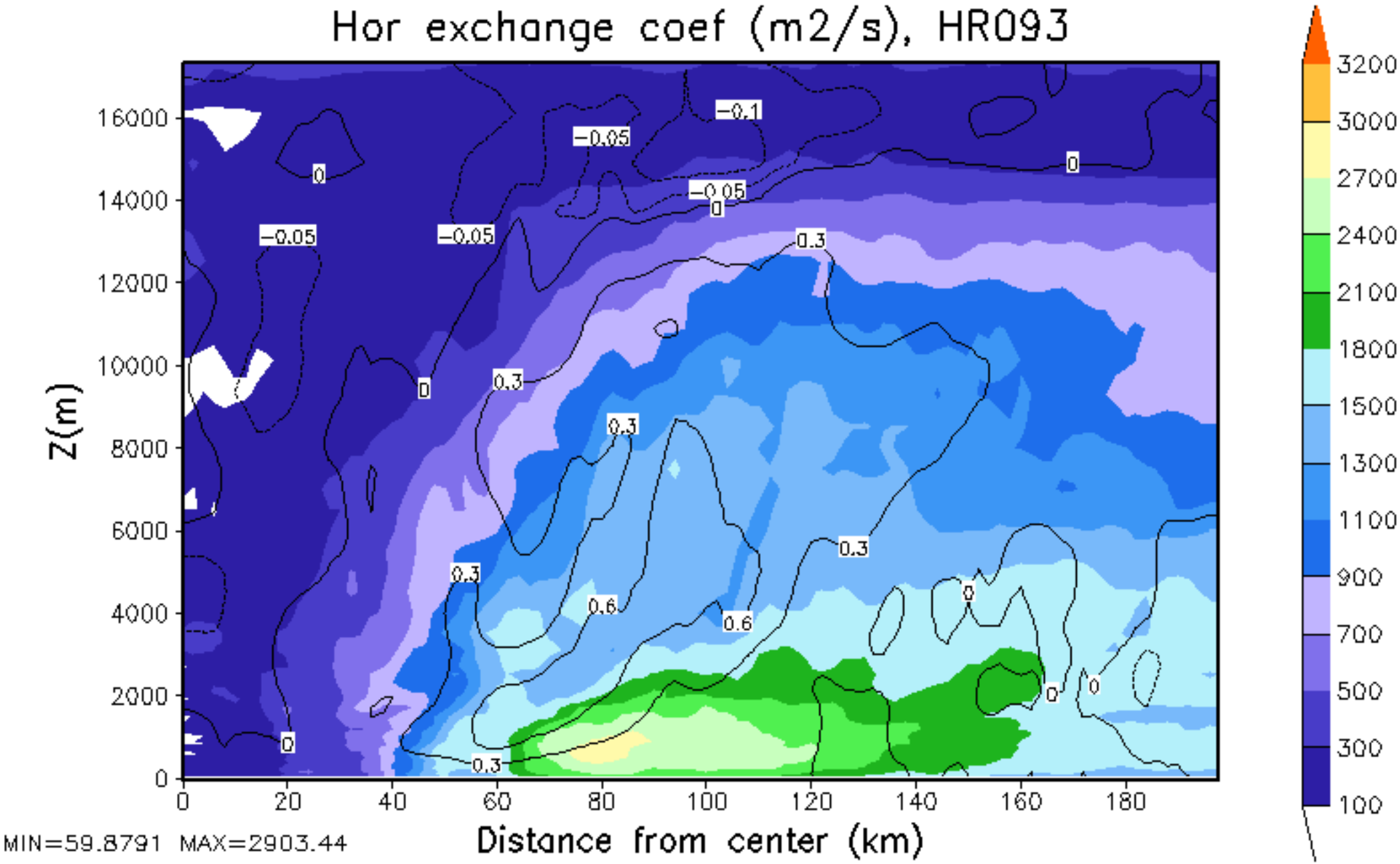

Hor exchange coef (m2/s), HR078
Z(m)
Distance from center (km)
MIN=8.64656 MAX=2685.26
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
100
300
500
700
900
1100
1300
1500
1800
2100
2400
2700
3000
3200
−0.05
−0.15
−0.2
−0.1
0
0.3
0.6
0.9
1.2

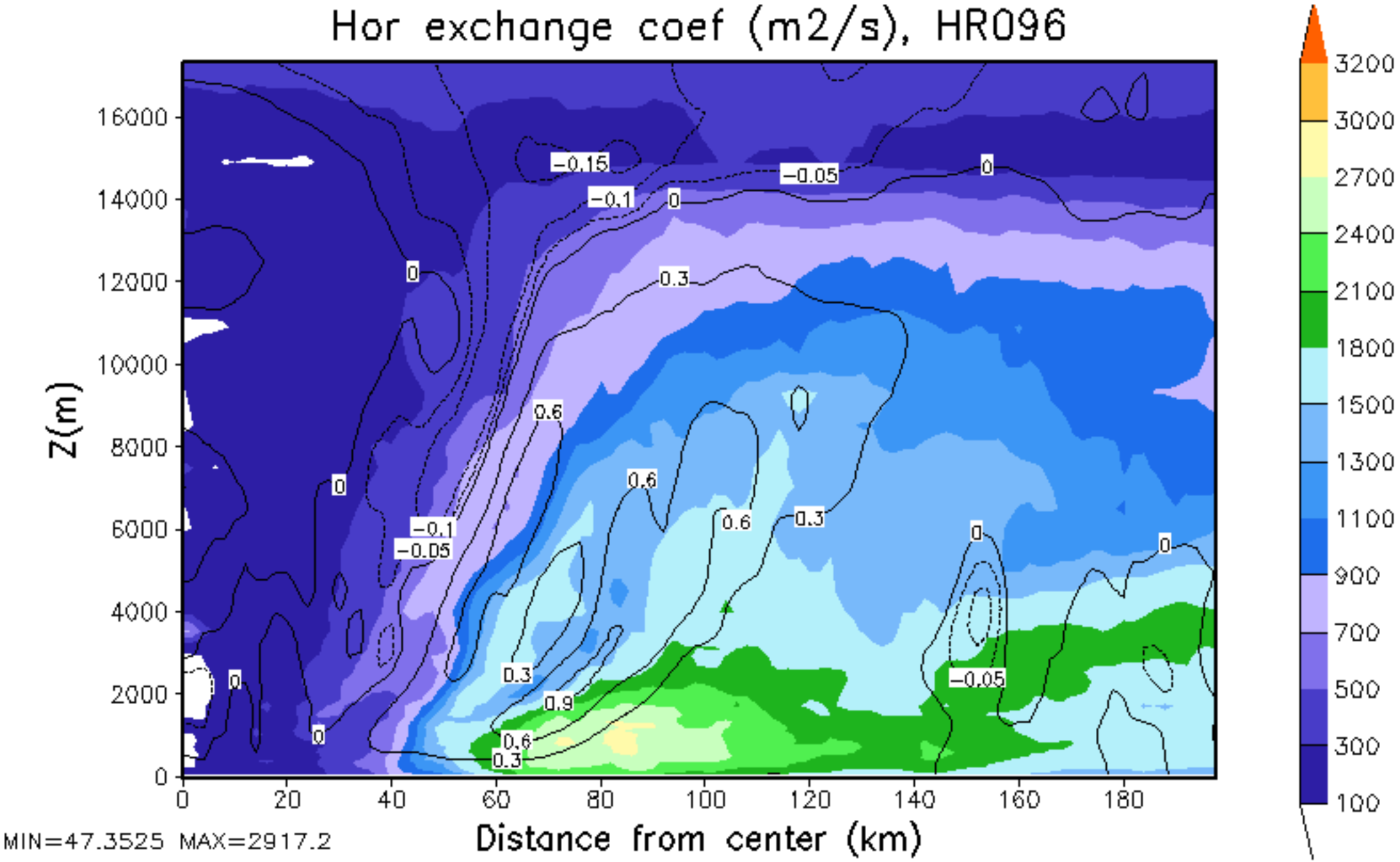

Hor exchange coef (m2/s), HR081
Z(m)
Distance from center (km)
MIN=28.8597 MAX=2656.55
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
−0.05
0
−0.15
−0.25
−0.2
0.3
0.6
0.9
−0.1

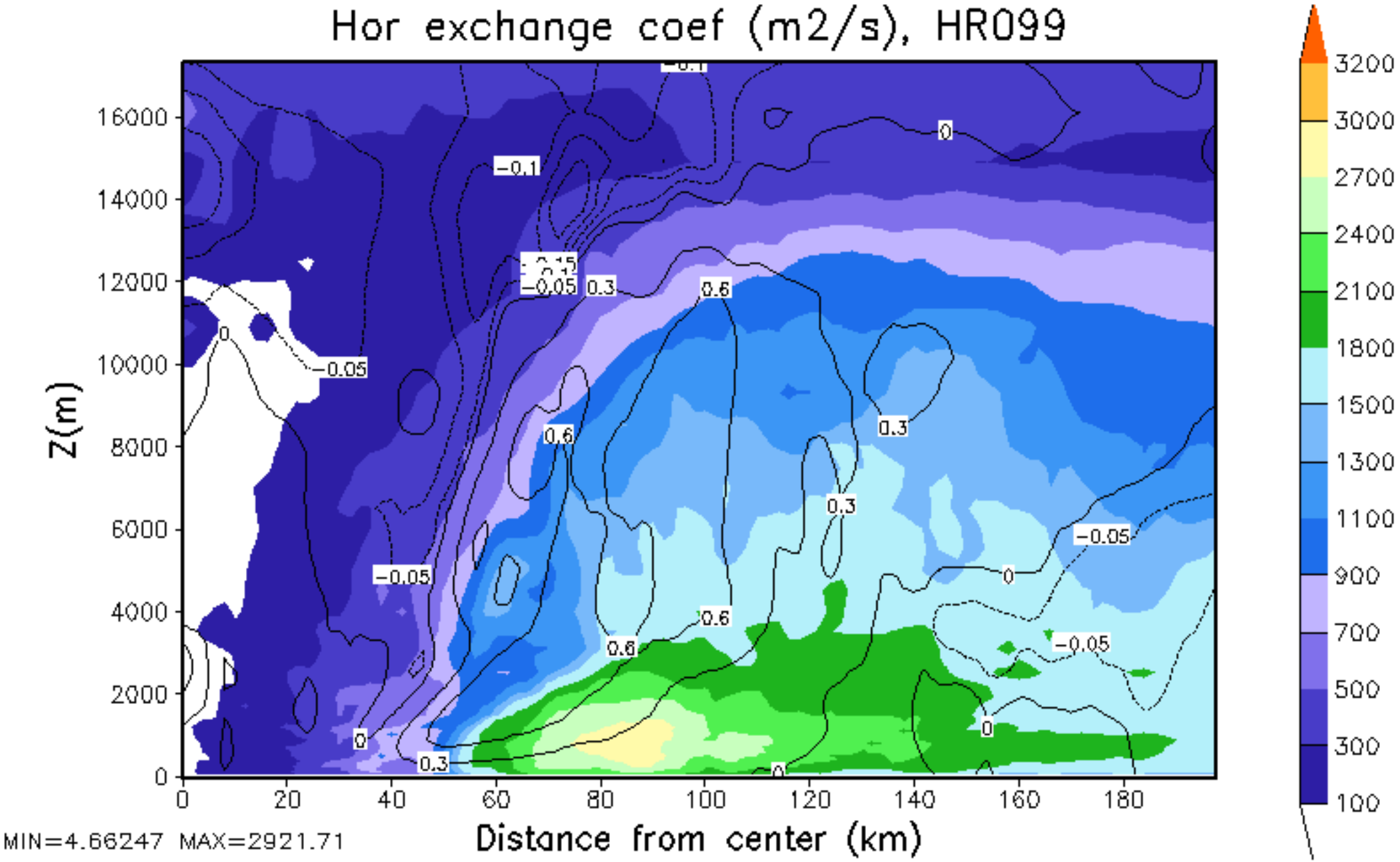

Hor exchange coef (m2/s), HR084
Z(m)
Distance from center (km)
MIN=32.9418 MAX=2590.11
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

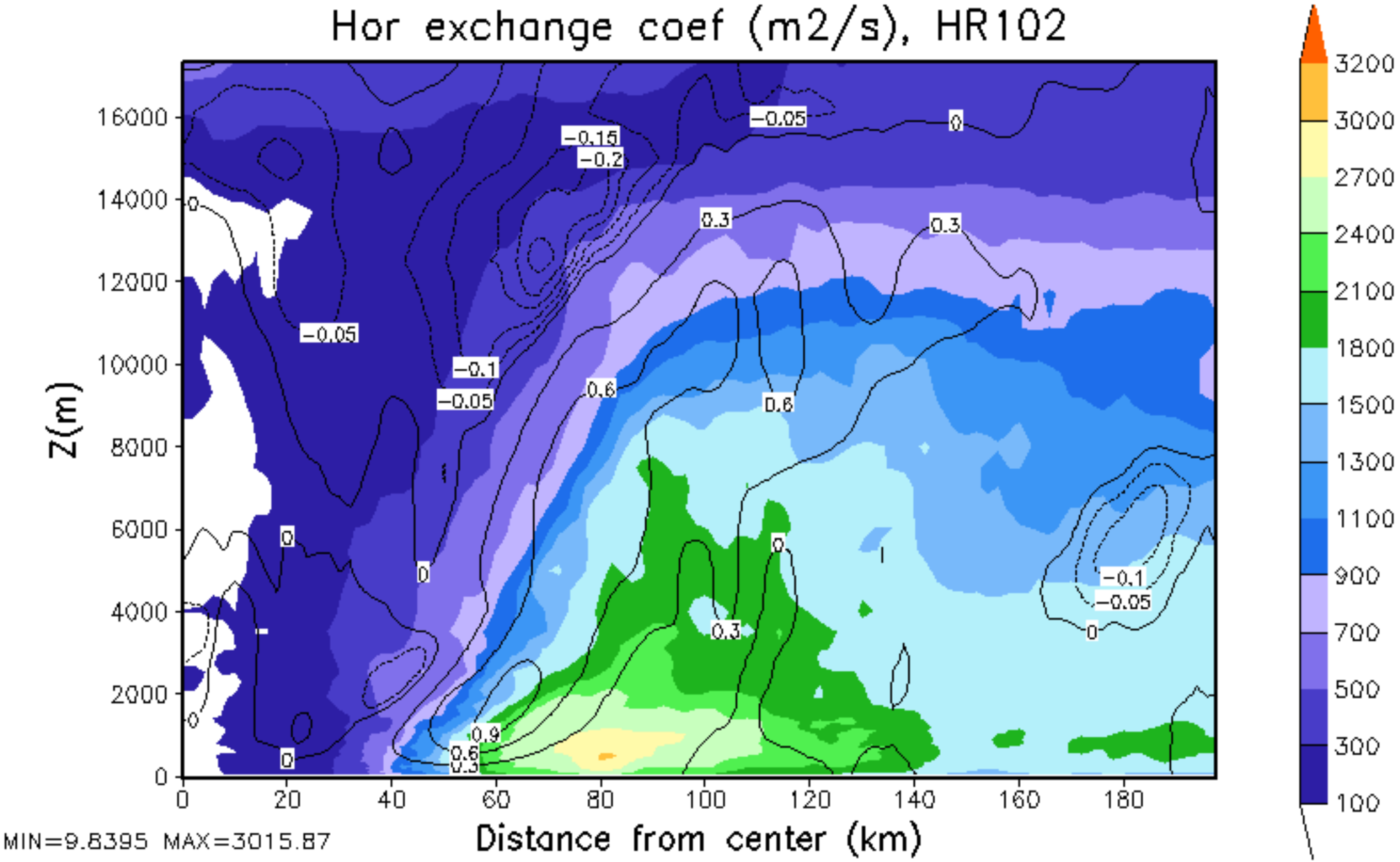

Hor exchange coef (m2/s), HR087
Z(m)
Distance from center (km)
MIN=5.1579 MAX=2534.55
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
−0.15
−0.05
−0.2
−0.1
0.9
0.6
0.3
0

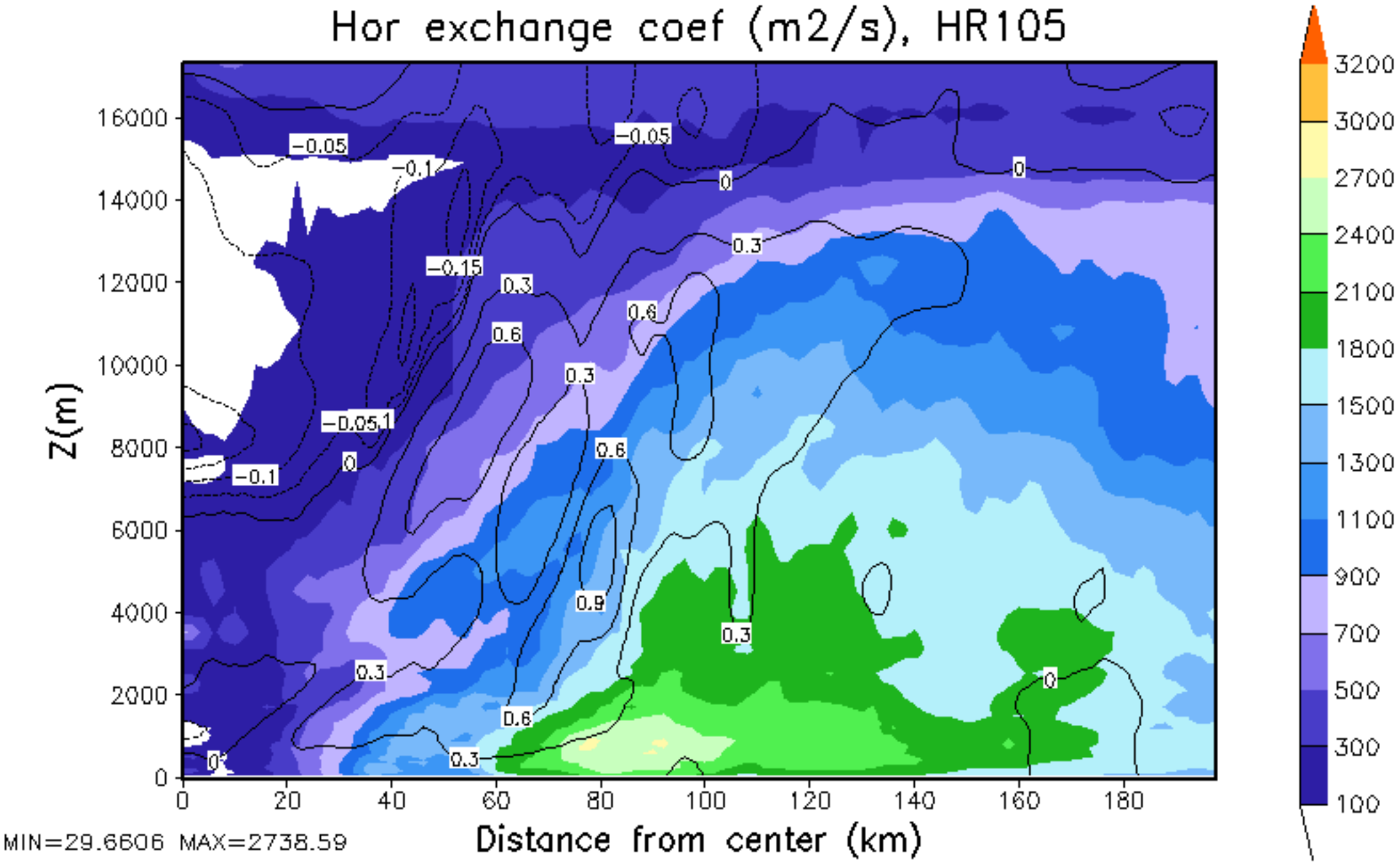

Hor exchange coef (m2/s), HR090
Z(m)
Distance from center (km)
MIN=55.9828 MAX=2532.44
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0.05
0
-0.05
-0.1
0.3
0.6

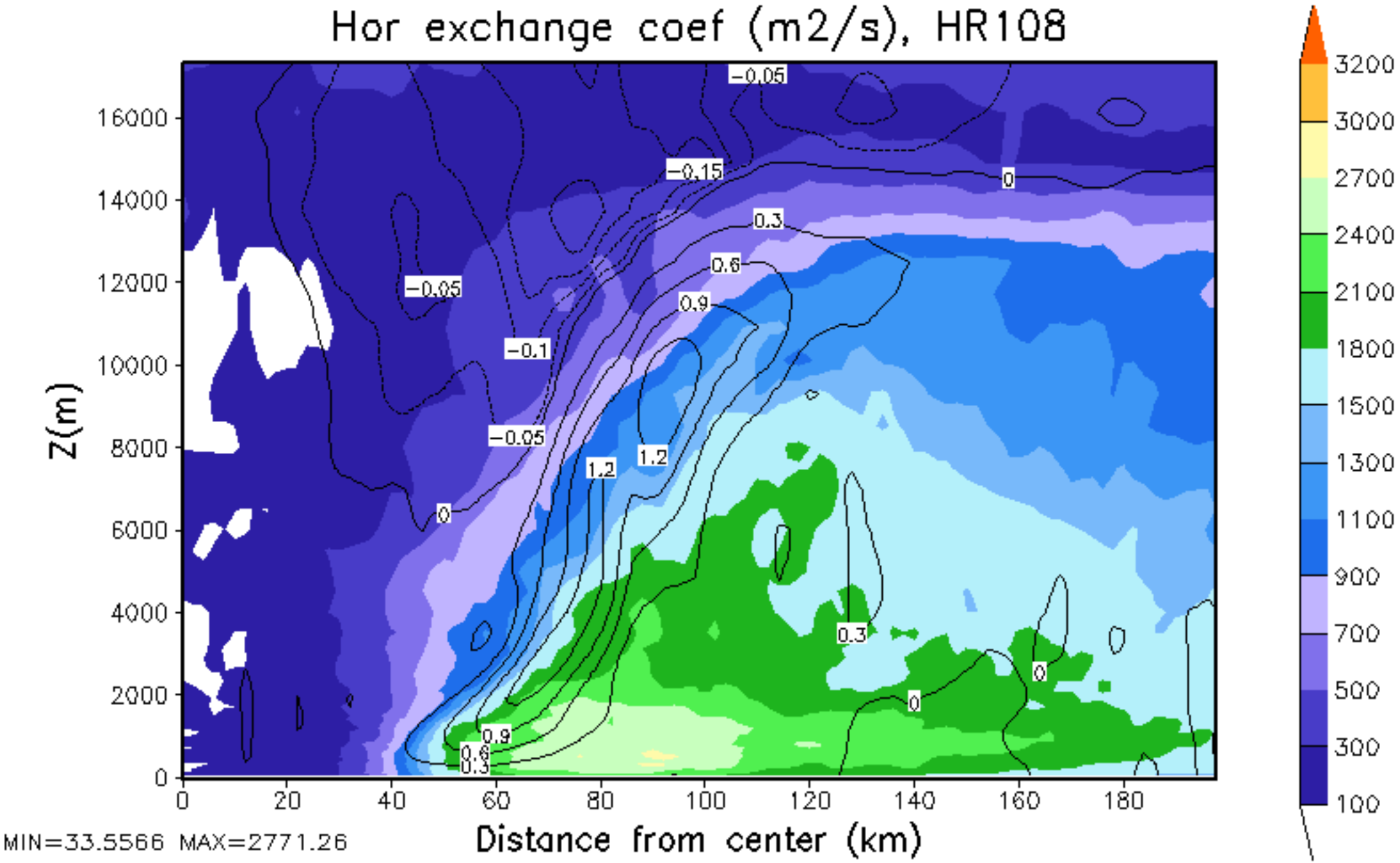

Hor exchange coef (m2/s), HR093
Z(m)
Distance from center (km)
MIN=59.8791 MAX=2903.44
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.1
-0.05
0
0.3
0.6

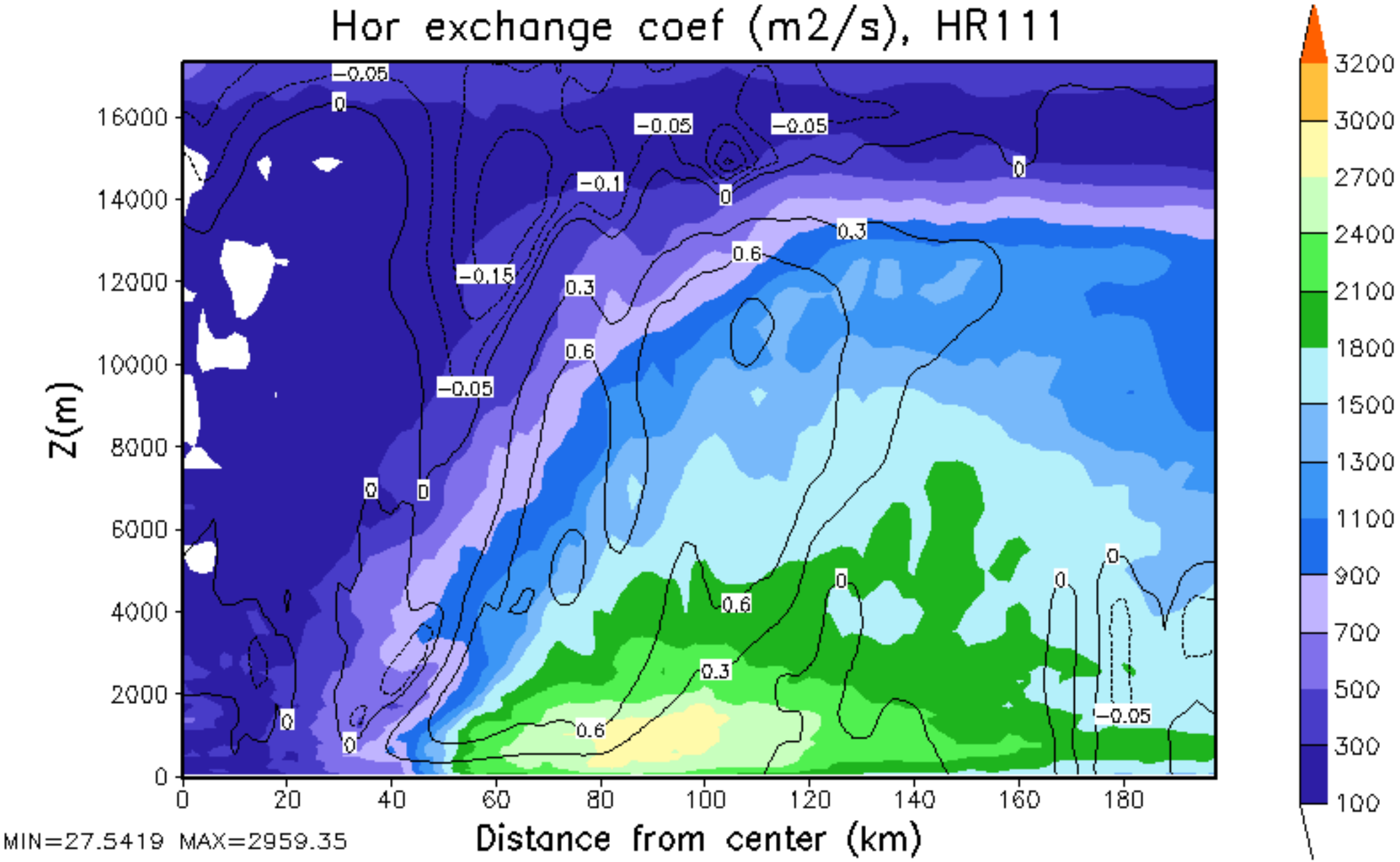

Hor exchange coef (m2/s), HR096
Z(m)
Distance from center (km)
MIN=47.3525 MAX=2917.2
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.15
-0.1
-0.05
0
0.3
0.6
0.9

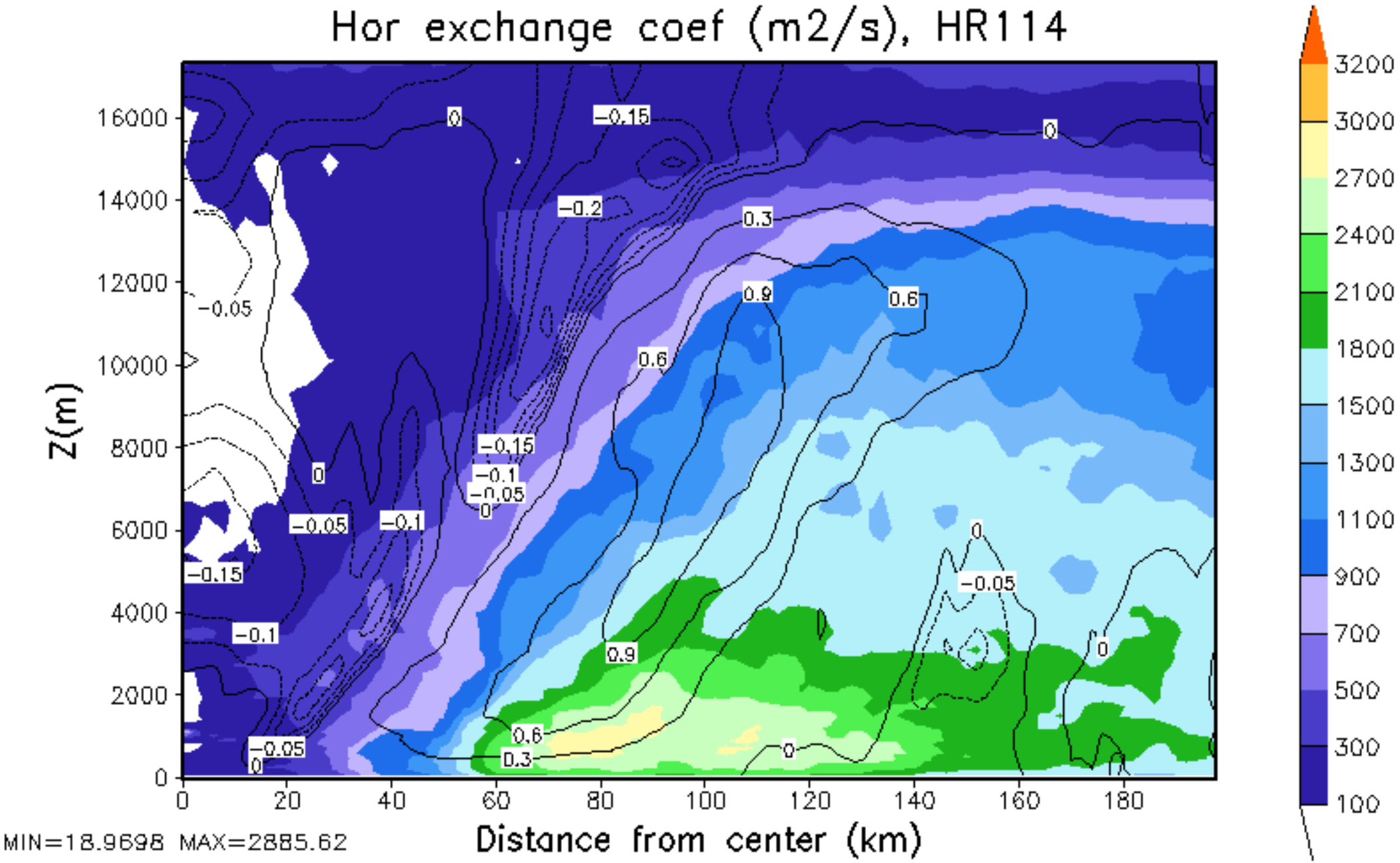

Hor exchange coef (m2/s), HR099
Z(m)
Distance from center (km)
MIN=4.66247 MAX=2921.71
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.1
-0.05
0
0.3
0.6

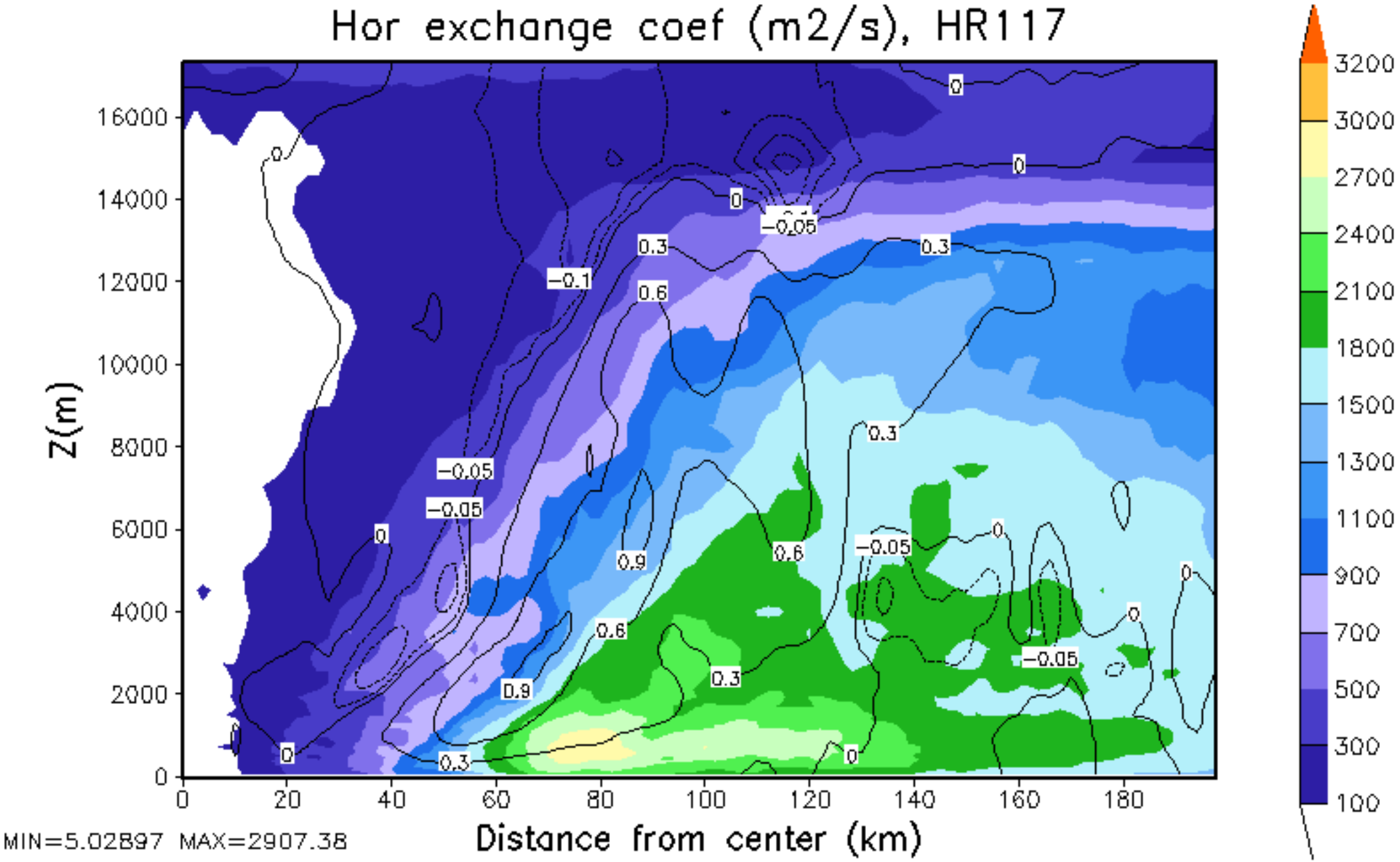

Hor exchange coef (m2/s), HR102
Z(m)
Distance from center (km)
MIN=9.8395 MAX=3015.87
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
−0.05
−0.15
−0.2
−0.1
0.3
0.6
0.9

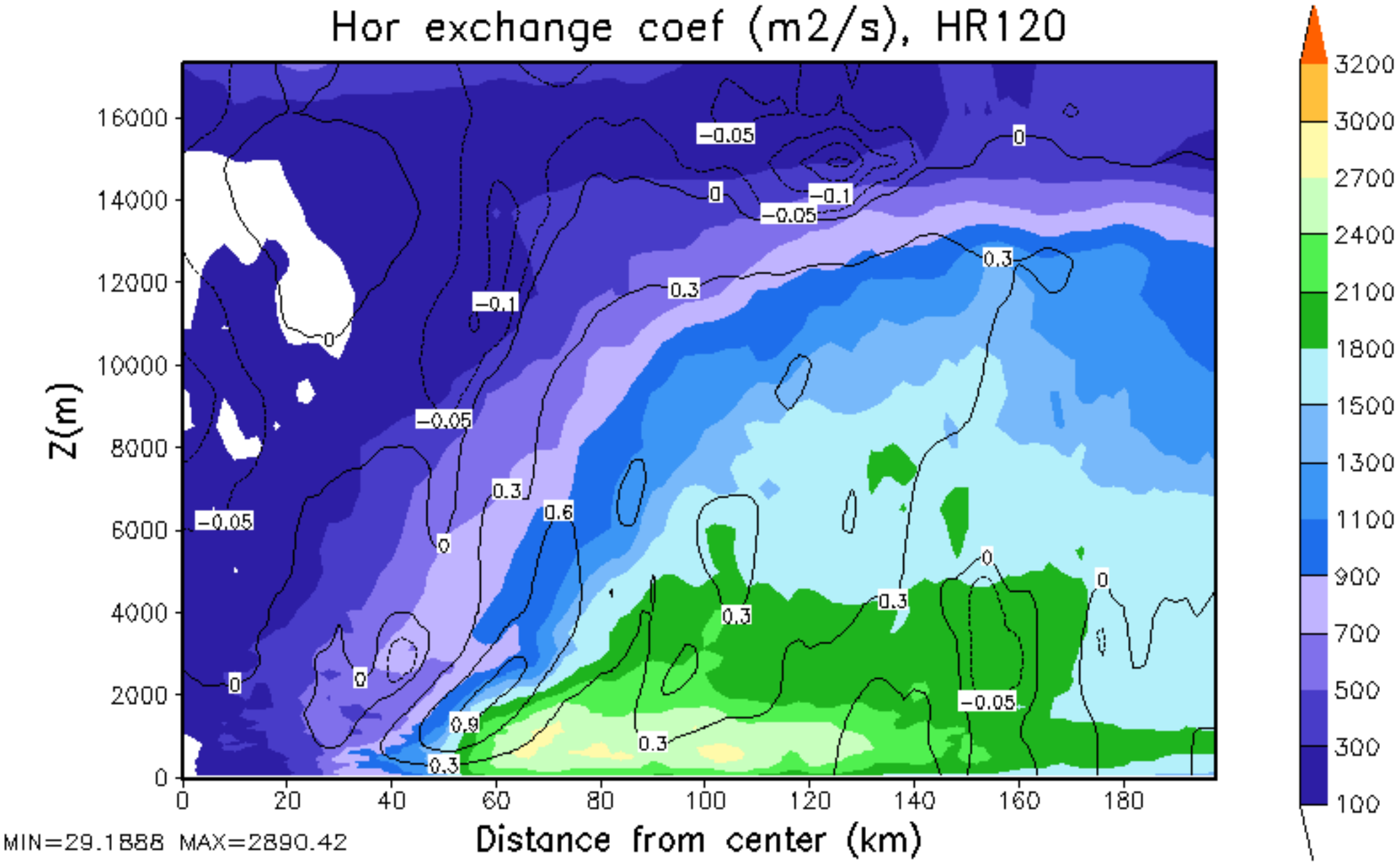

Hor exchange coef (m2/s), HR105
Z(m)
Distance from center (km)
MIN=29.6606 MAX=2738.59
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
-0.1
-0.15
0
0.3
0.6
0.9

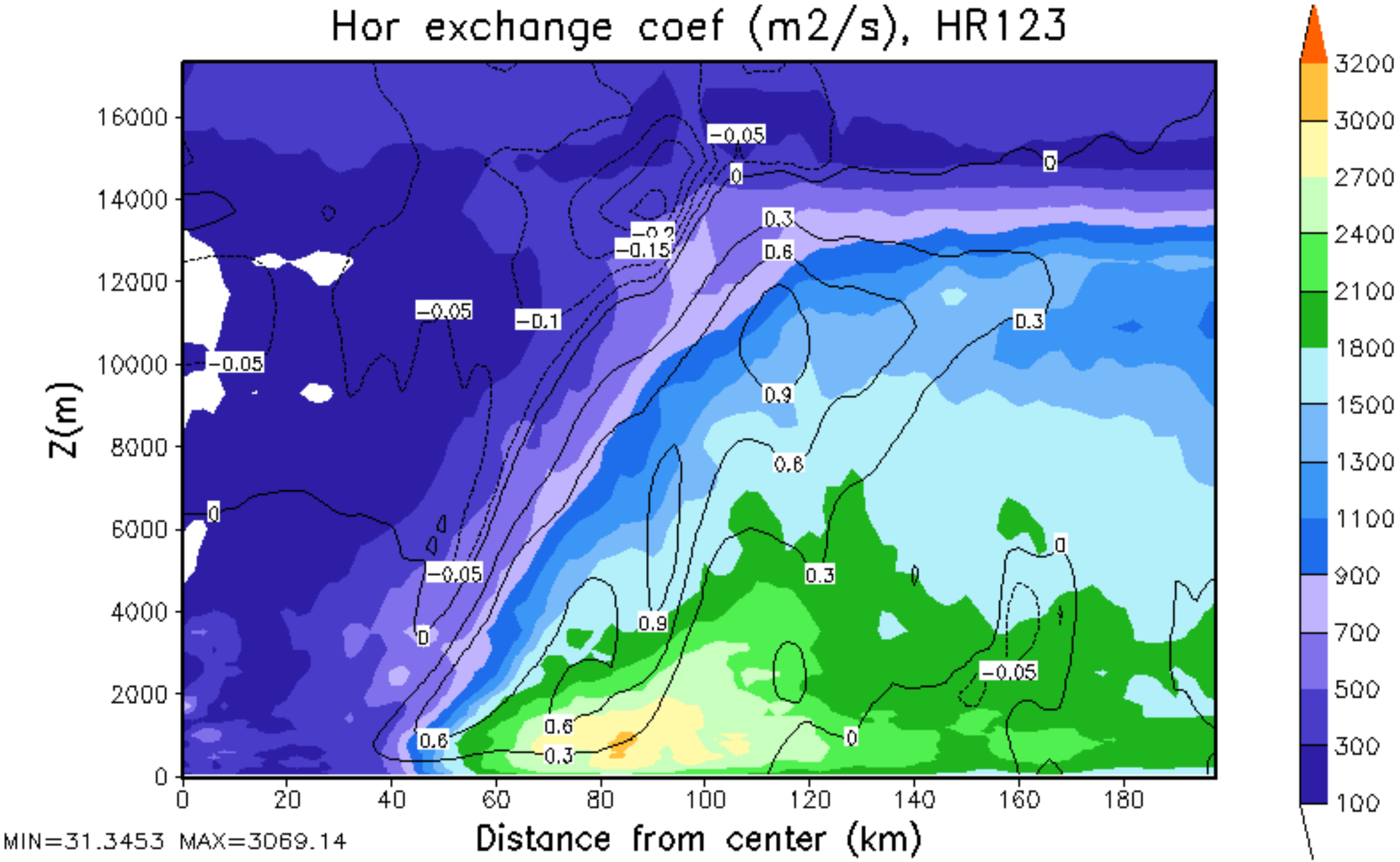

Hor exchange coef (m2/s), HR108
Z(m)
Distance from center (km)
MIN=33.5566 MAX=2771.26
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
-0.15
0
0.3
0.6
0.9
-0.1
1.2

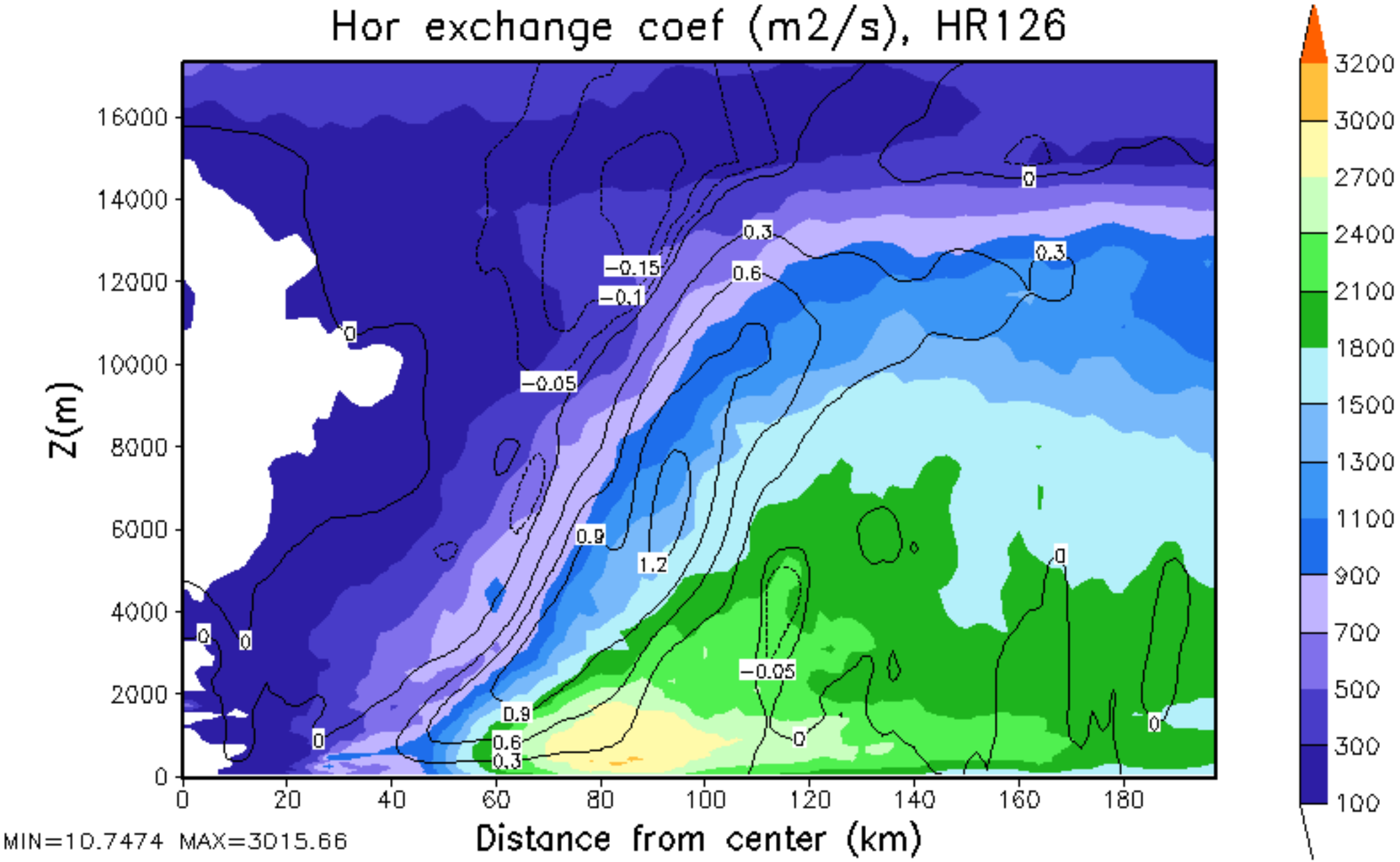

Hor exchange coef (m2/s), HR111
Z(m)
Distance from center (km)
MIN=27.5419 MAX=2959.35
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
−0.05
0
−0.1
−0.15
0.3
0.6

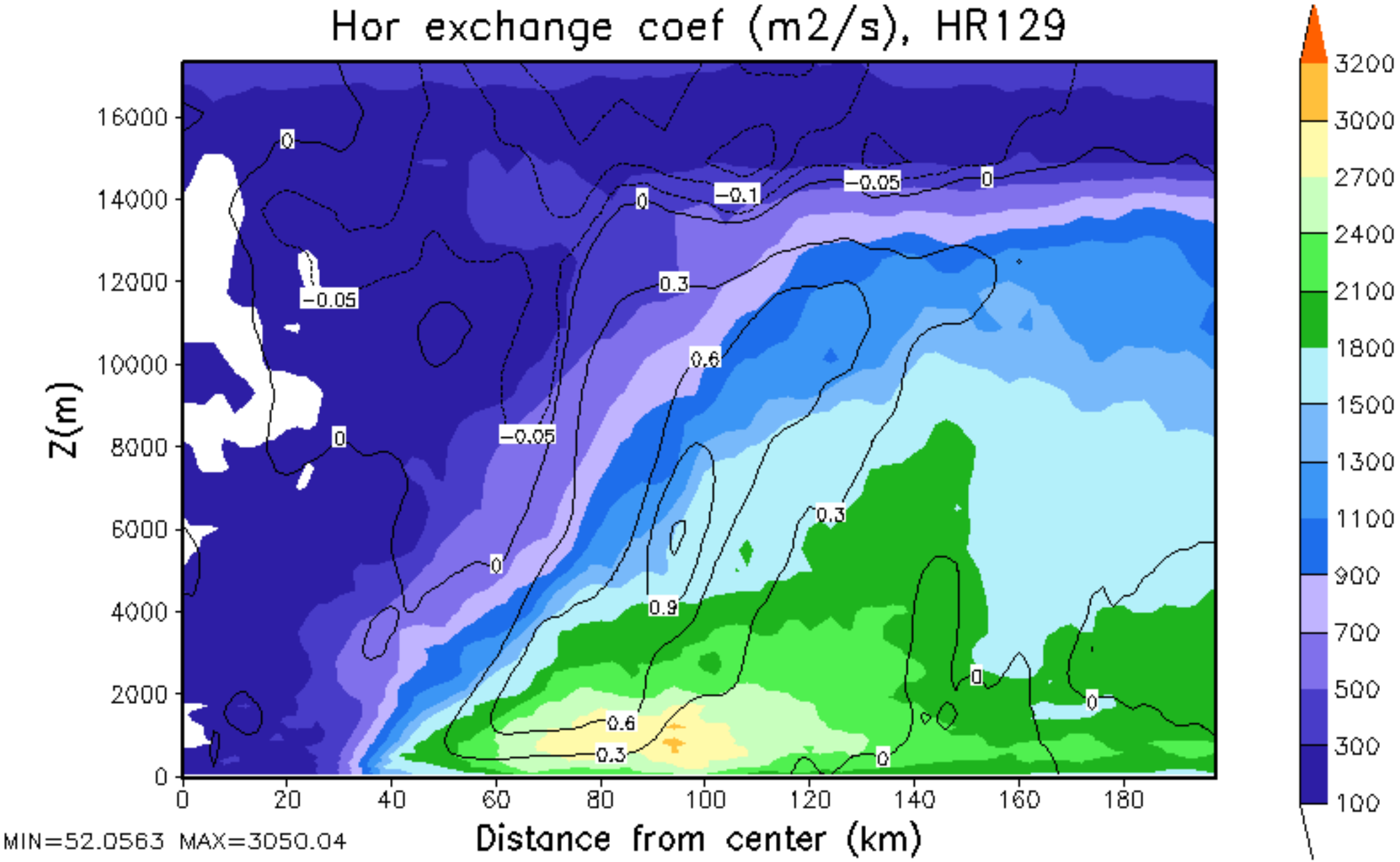

Hor exchange coef (m2/s), HR114
Z(m)
Distance from center (km)
MIN=18.9698 MAX=2885.62
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
−0.15
−0.2
0.3
0.9
0.6
−0.05
−0.1
−0.15
−0.1
−0.05
0
−0.05
−0.1
−0.15
−0.1
−0.05
0
0.9
0.6
0.3
0
−0.05
0

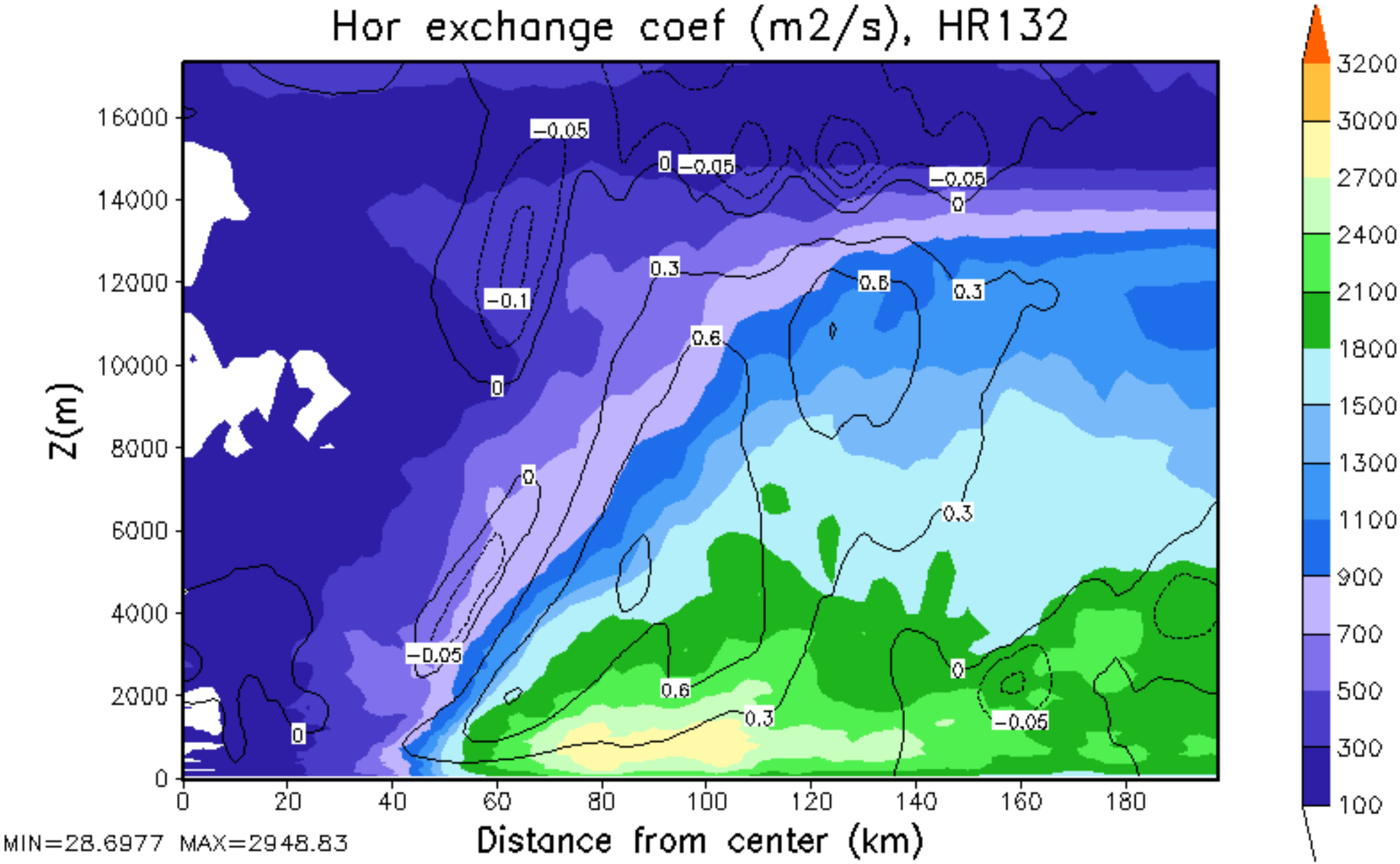

Hor exchange coef (m2/s), HR117
Z(m)
Distance from center (km)
MIN=5.02897 MAX=2907.38
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100

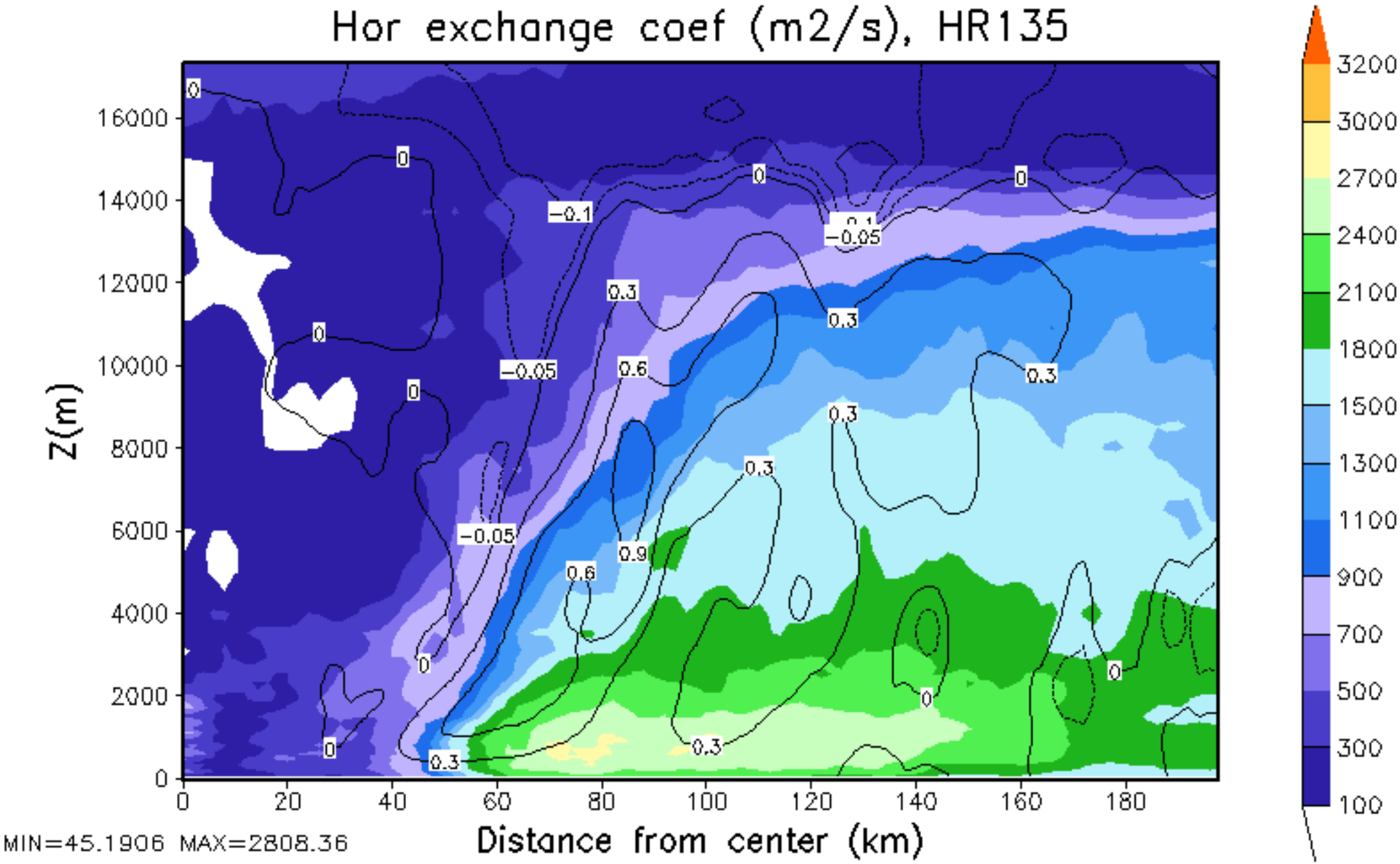

Hor exchange coef (m2/s), HR120
Z(m)
Distance from center (km)
MIN=29.1888 MAX=2890.42
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
-0.1
0.3
0.6
0.9

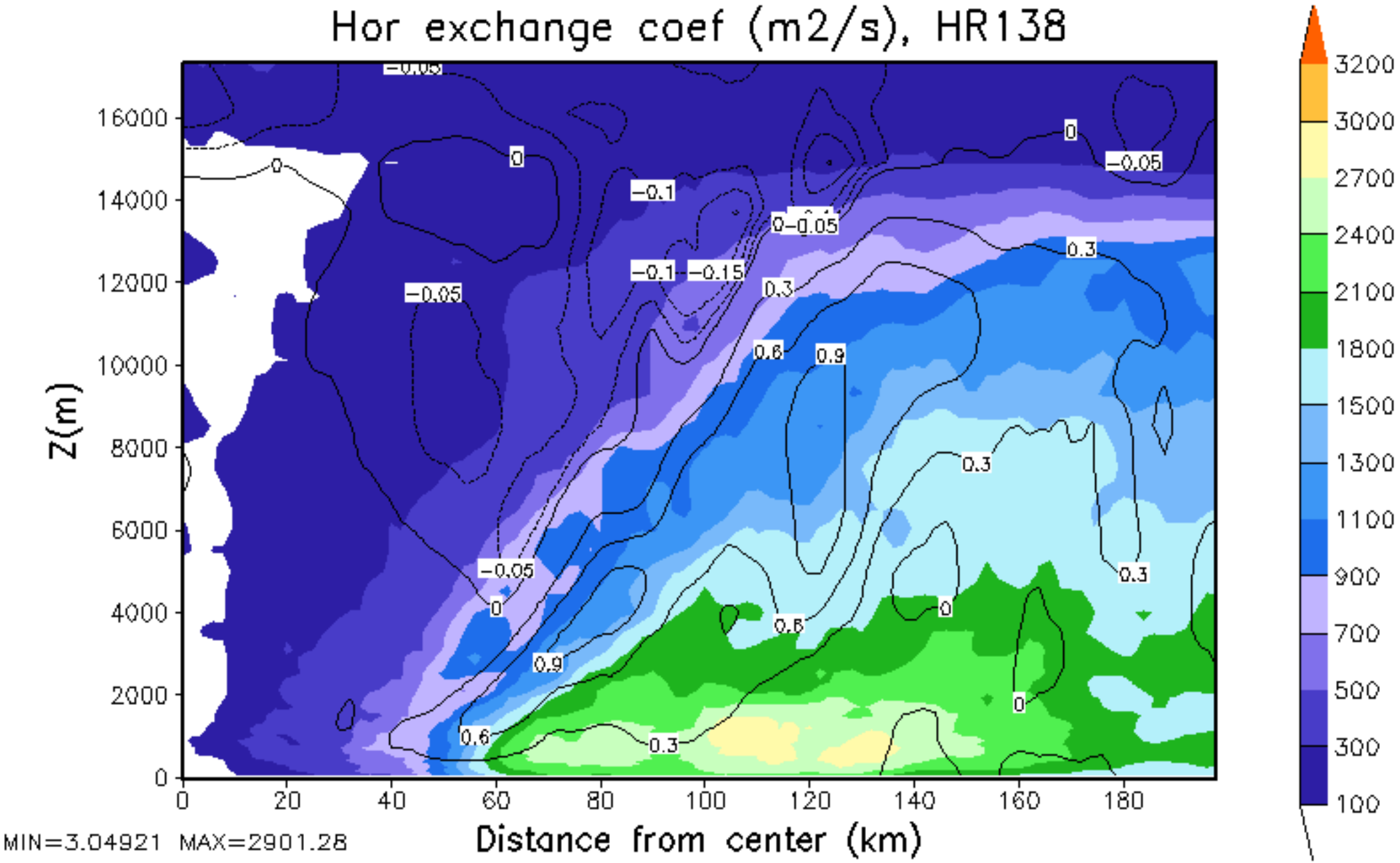

Hor exchange coef (m2/s), HR123
Z(m)
Distance from center (km)
MIN=31.3453 MAX=3069.14
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
0.3
0.6
0.9
-0.15
-0.1

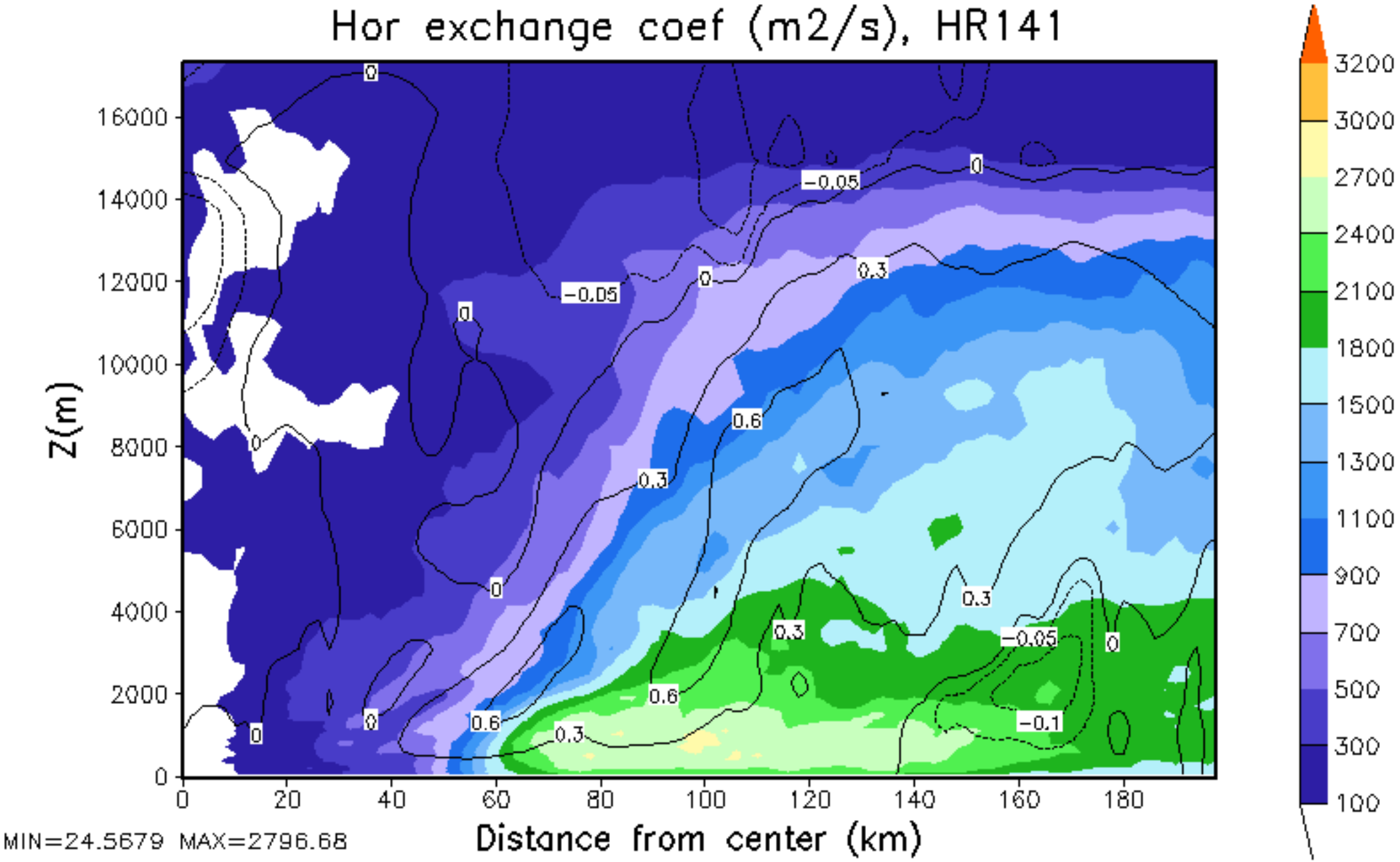

Hor exchange coef (m2/s), HR126
Z(m)
Distance from center (km)
MIN=10.7474 MAX=3015.66
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
0.3
0.6
0.9
1.2
-0.05
-0.1
-0.15

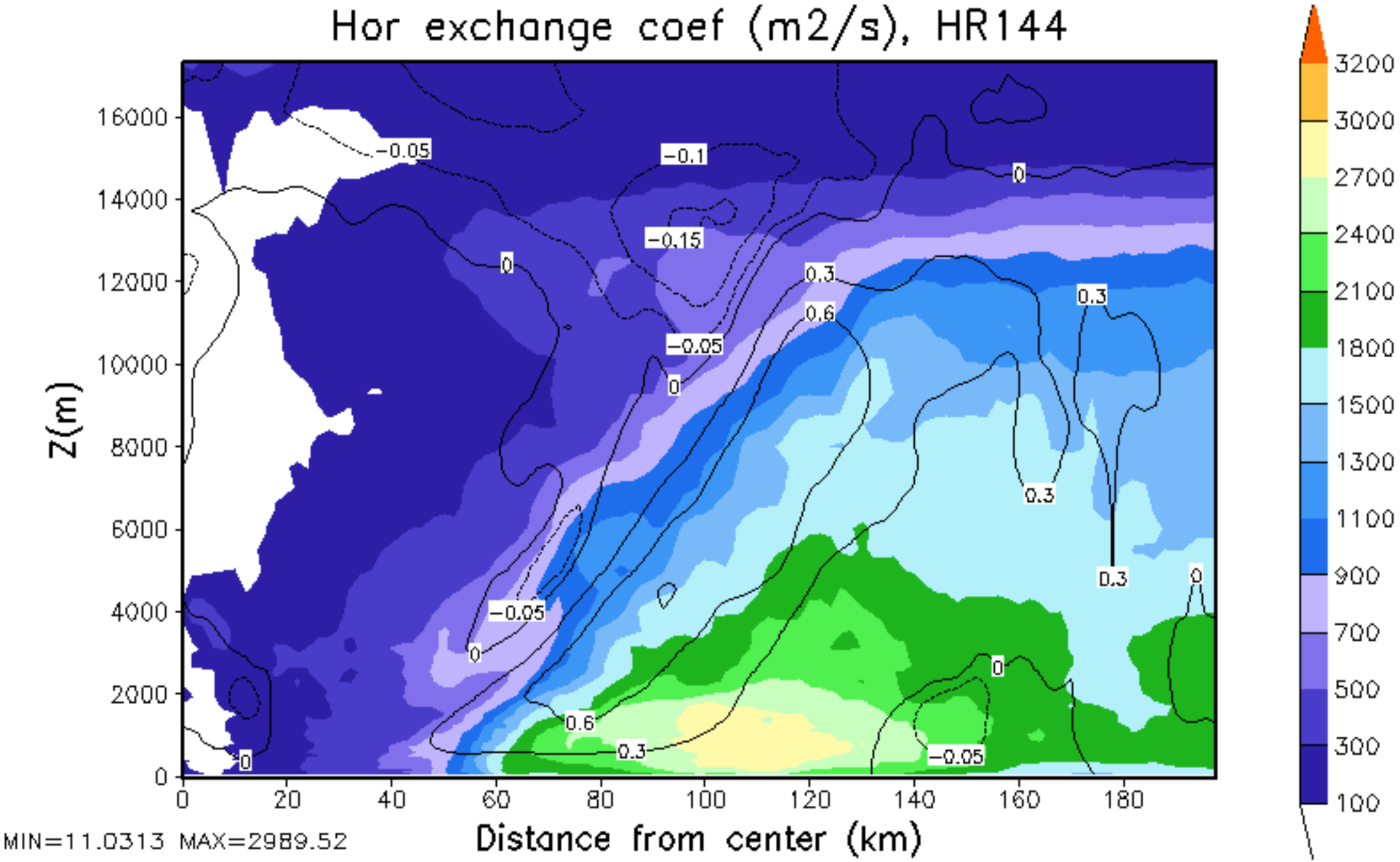

Hor exchange coef (m2/s), HR129
Z(m)
Distance from center (km)
MIN=52.0563 MAX=3050.04
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
-0.05
-0.1
0.3
0.6
0.9


Hor exchange coef (m2/s), HR132
Z(m)
Distance from center (km)
MIN=28.6977 MAX=2948.83
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
-0.05
0
-0.1
0.3
0.6


Hor exchange coef (m2/s), HR135
Z(m)
Distance from center (km)
MIN=45.1906 MAX=2808.36
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
-0.1
-0.05
0.3
0.6
0.9


Hor exchange coef (m2/s), HR138
Z(m)
Distance from center (km)
MIN=3.04921 MAX=2901.28
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100


Hor exchange coef (m2/s), HR141
Z(m)
Distance from center (km)
MIN=24.5679 MAX=2796.68
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100
0
-0.05
0.3
0.6
-0.1


Hor exchange coef (m2/s), HR144
Z(m)
Distance from center (km)
MIN=11.0313 MAX=2989.52
0
2000
4000
6000
8000
10000
12000
14000
16000
0
20
40
60
80
100
120
140
160
180
-0.05
-0.1
-0.15
0
0.3
0.6
-0.05
0
0.3
0.3
0.3
0
-0.05
0
0
0.6
0.3
-0.05
0
3200
3000
2700
2400
2100
1800
1500
1300
1100
900
700
500
300
100