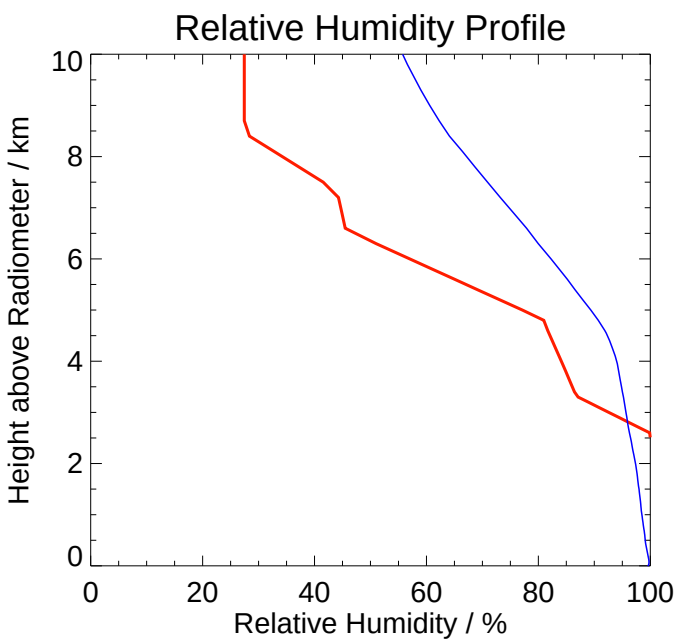
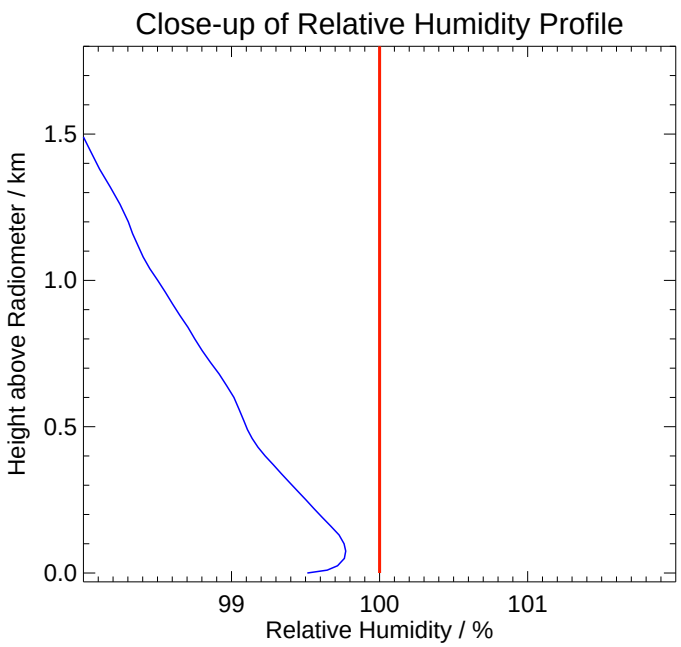
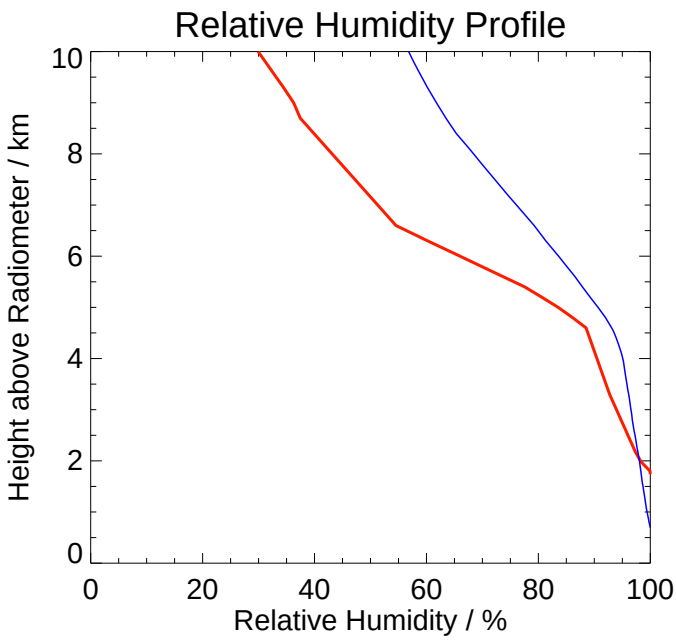
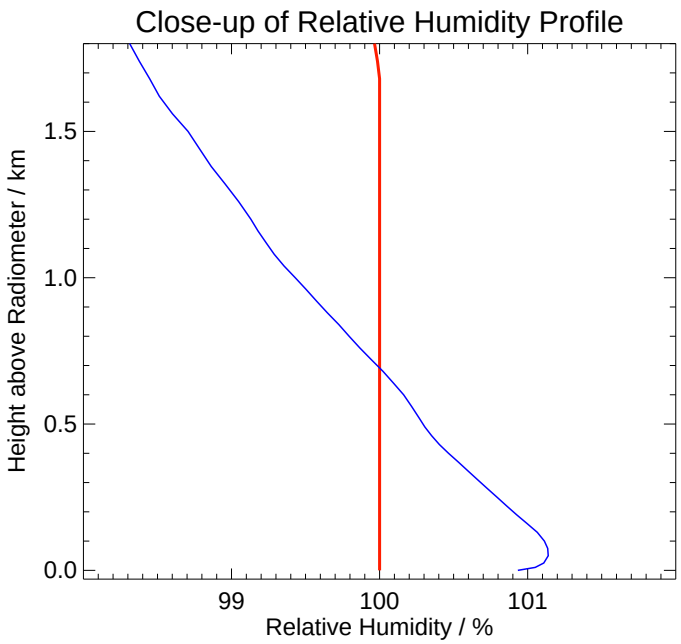
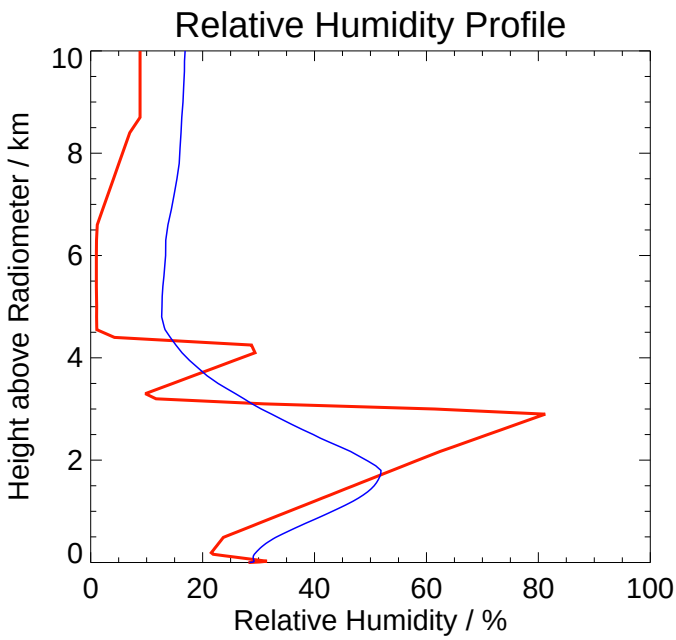
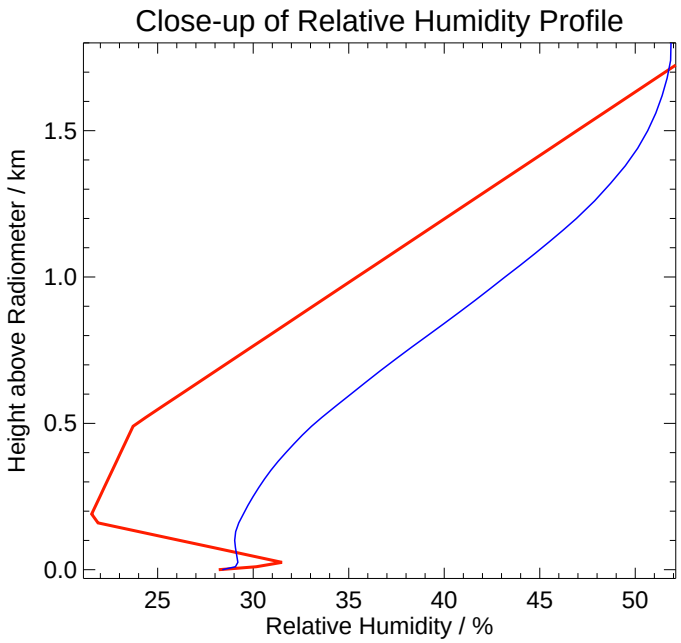

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

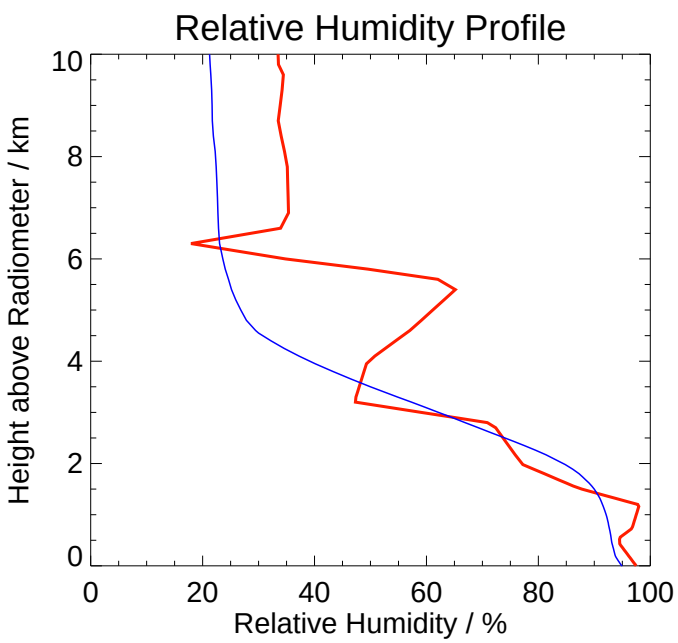

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

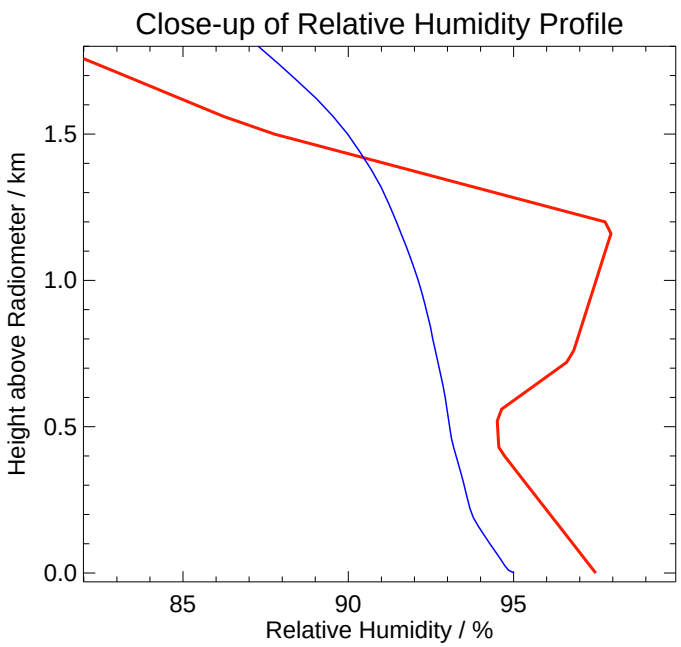

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

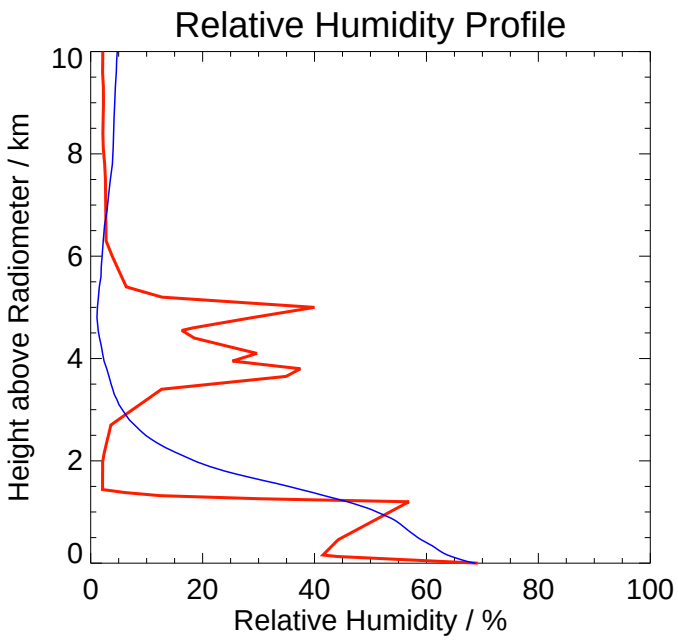

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

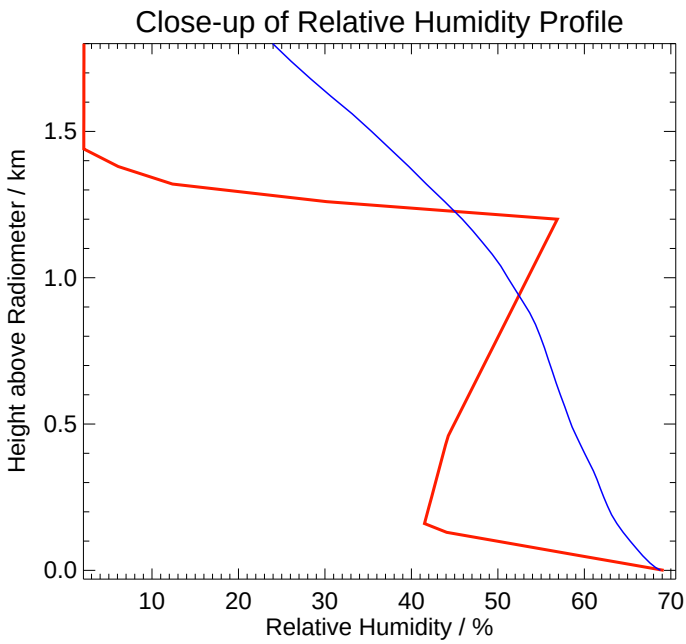

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

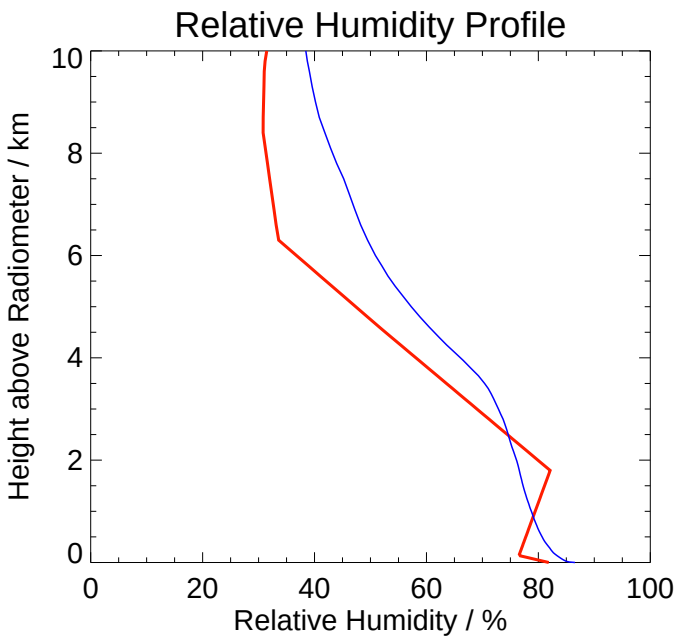

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
25
30
35
40
45
50

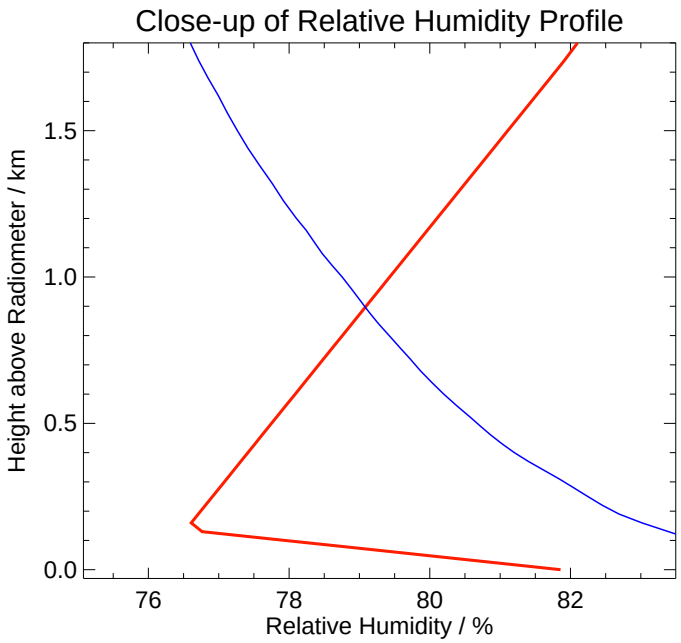

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

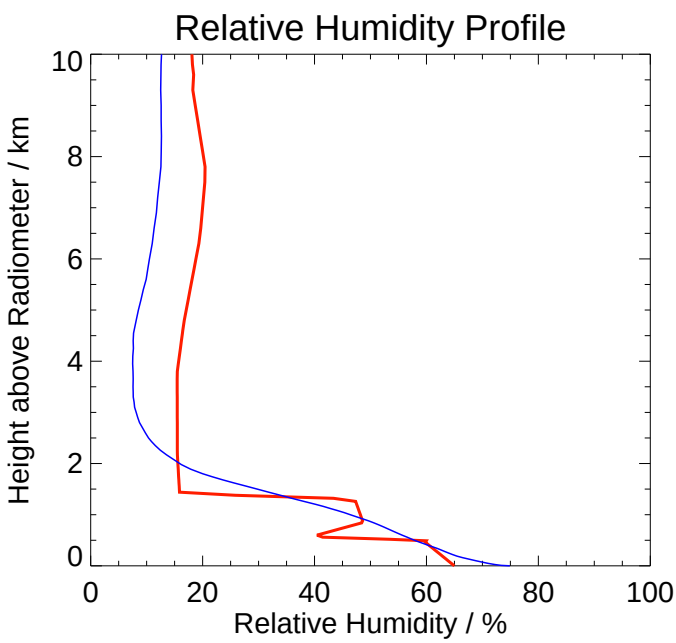

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95

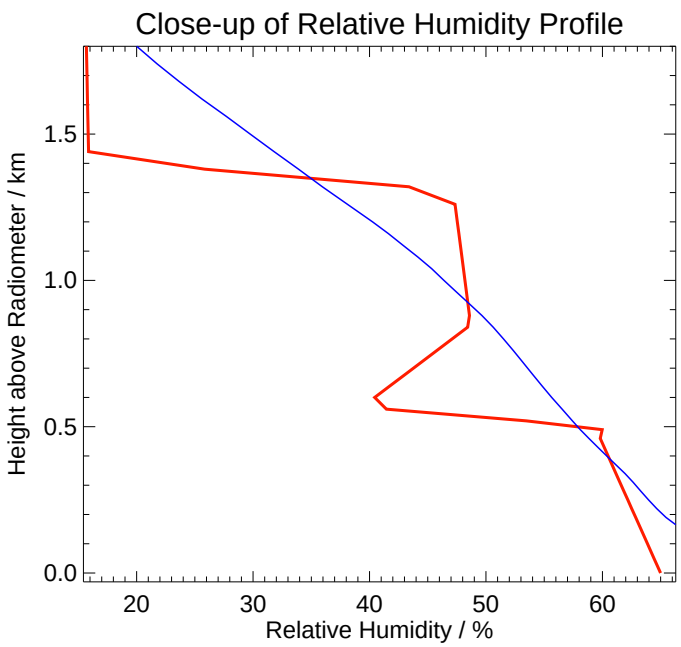

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

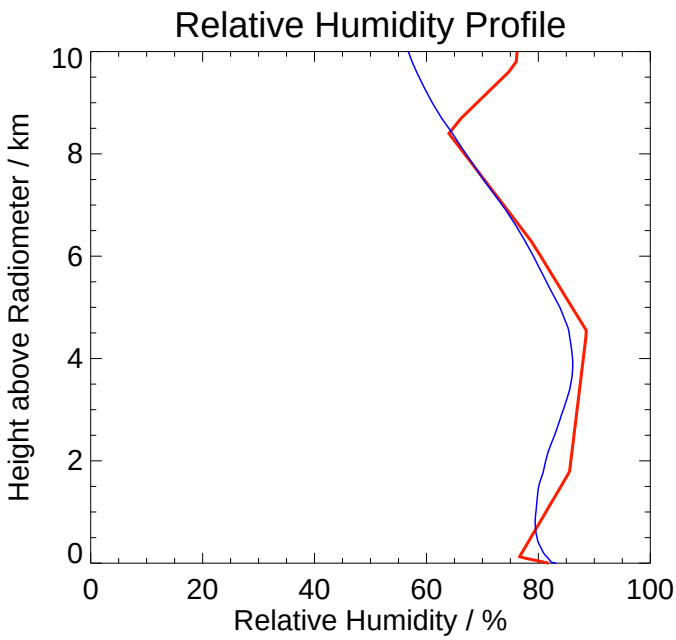

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
10
20
30
40
50
60
70

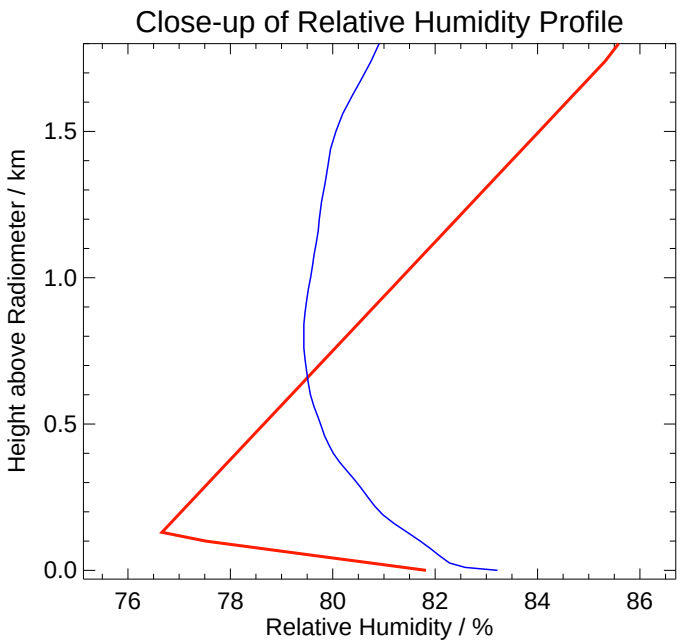

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

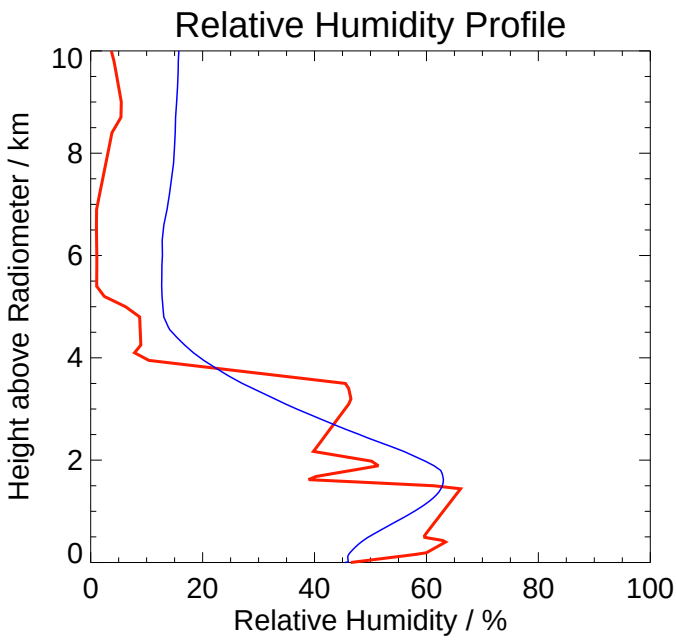

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
76
78
80
82

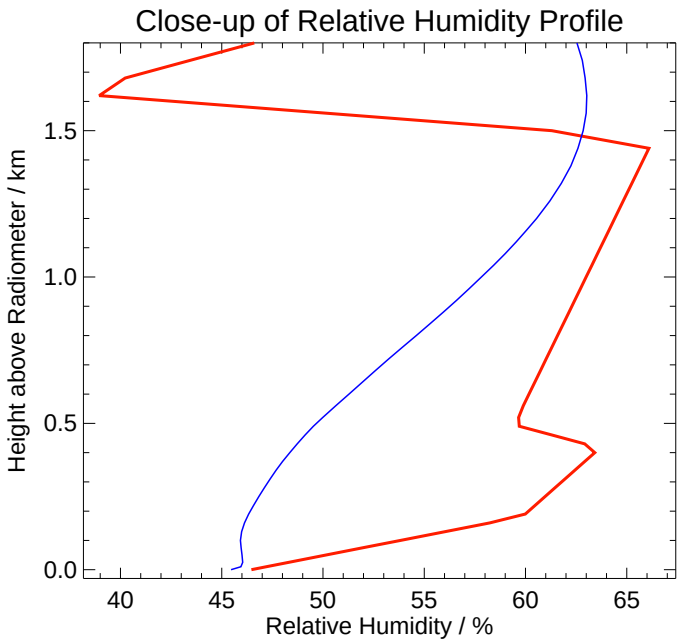

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

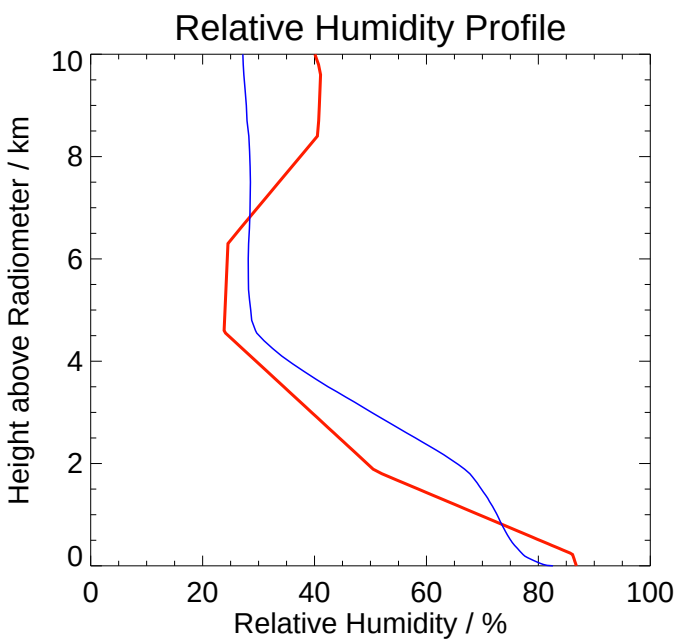

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60

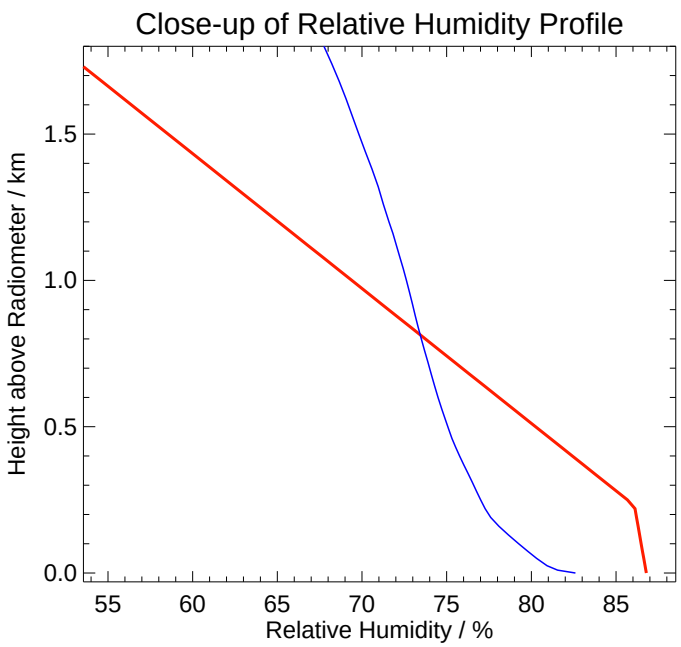

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

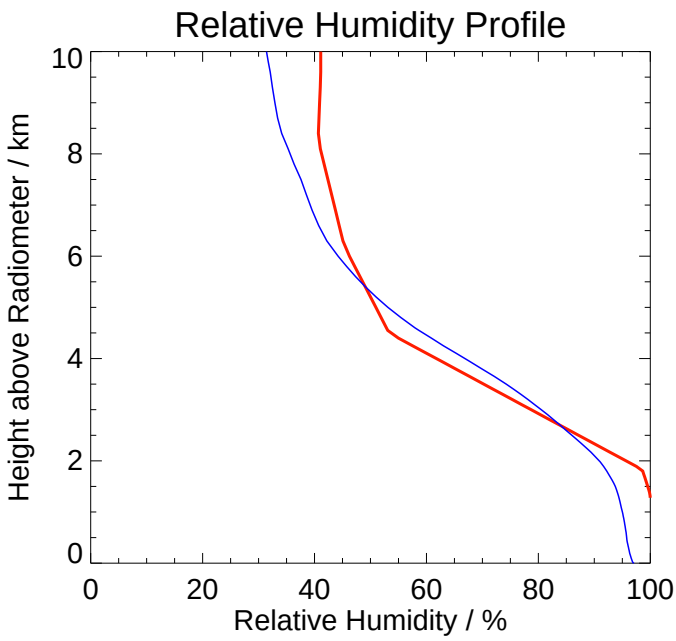

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
76
78
80
82
84
86

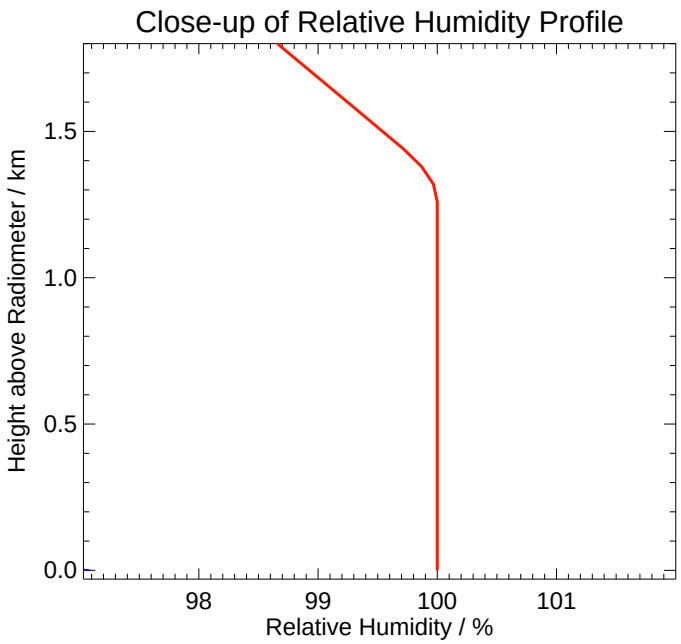

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

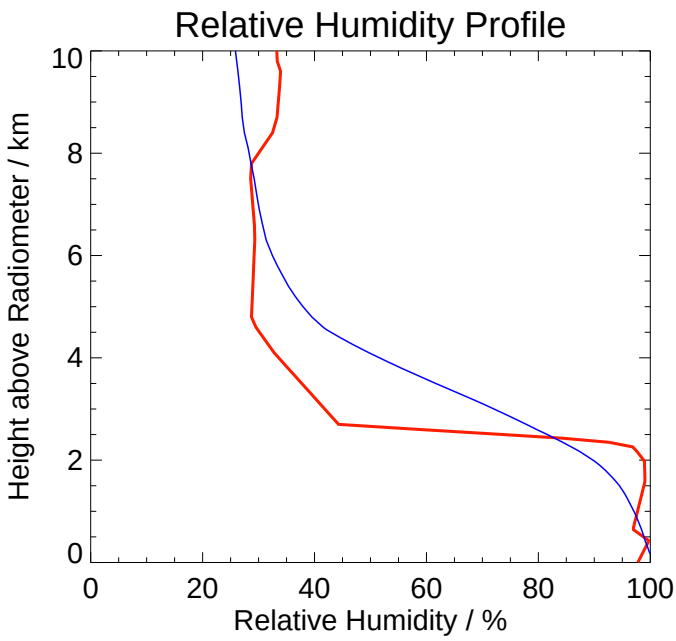

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60
65

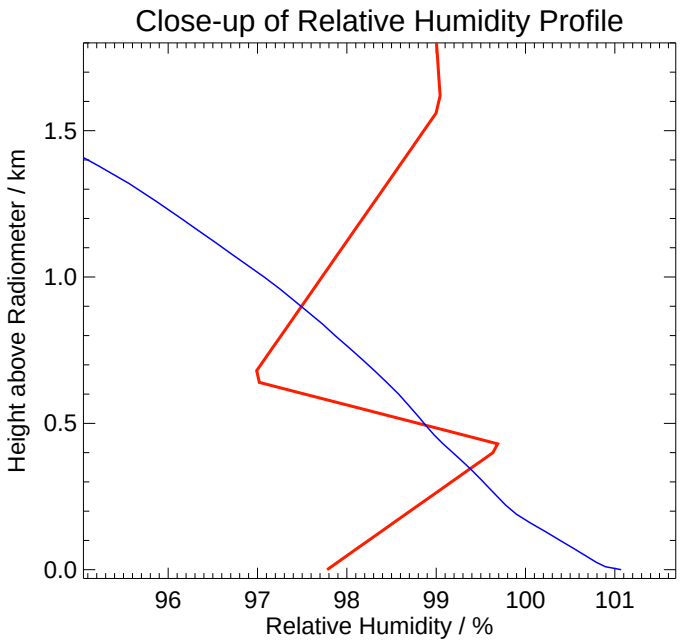

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

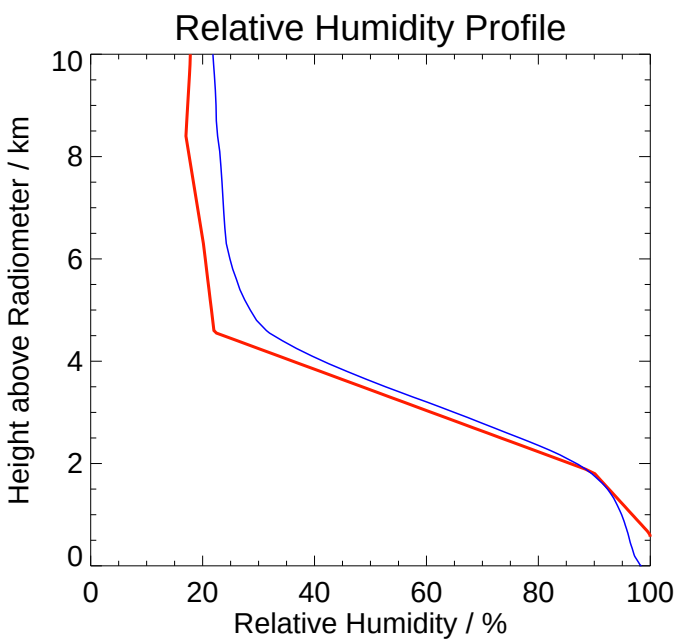

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
55
60
65
70
75
80
85

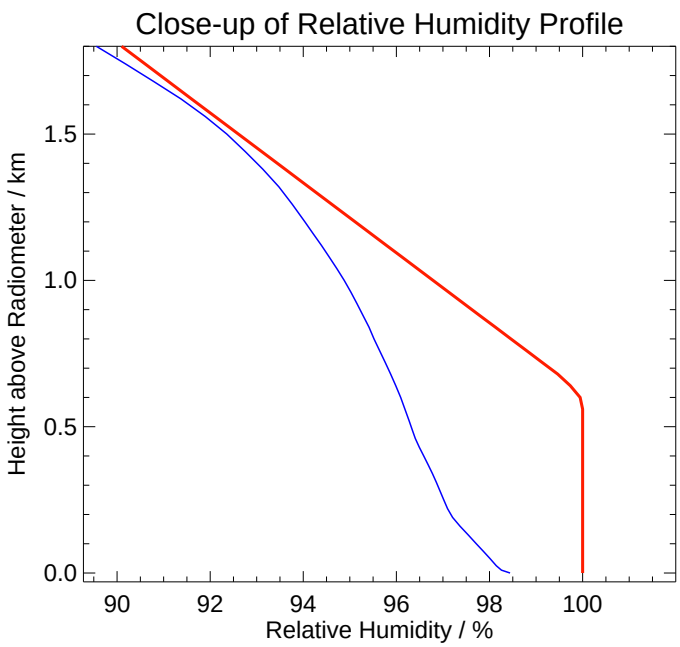

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

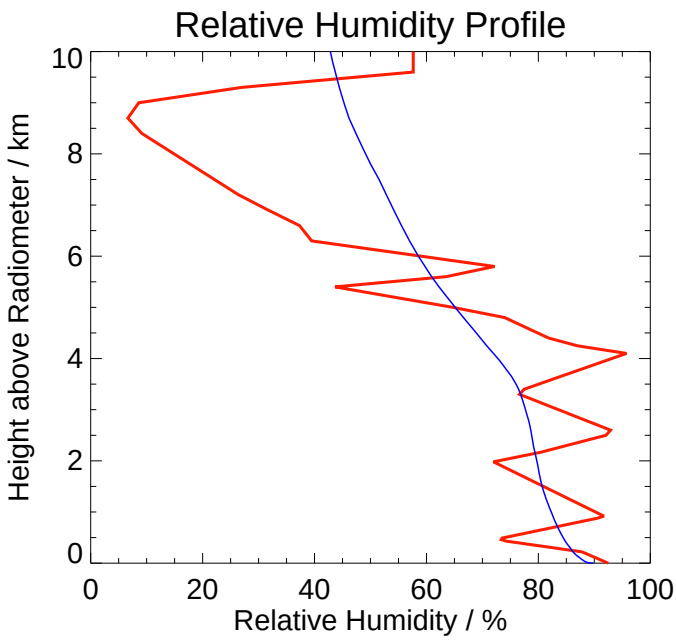

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

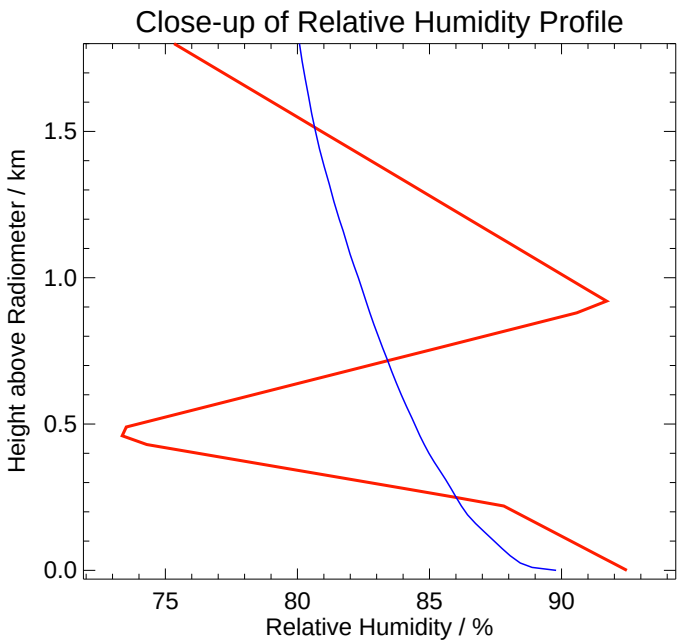

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

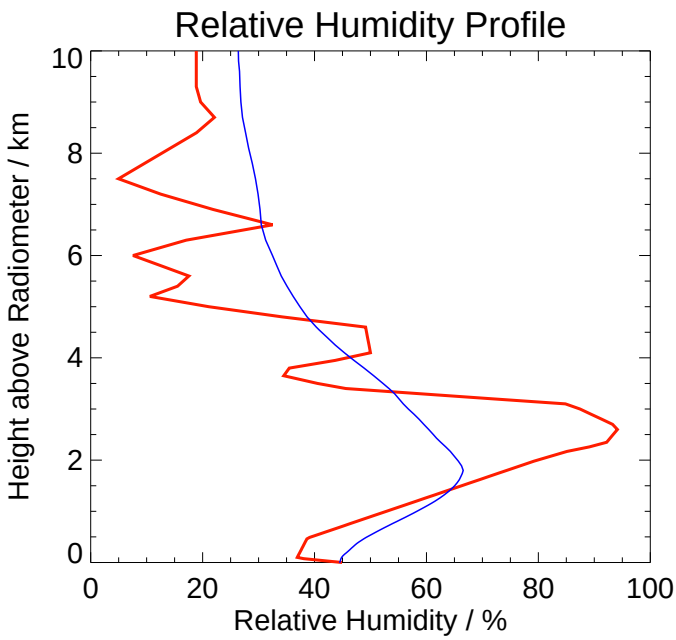

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

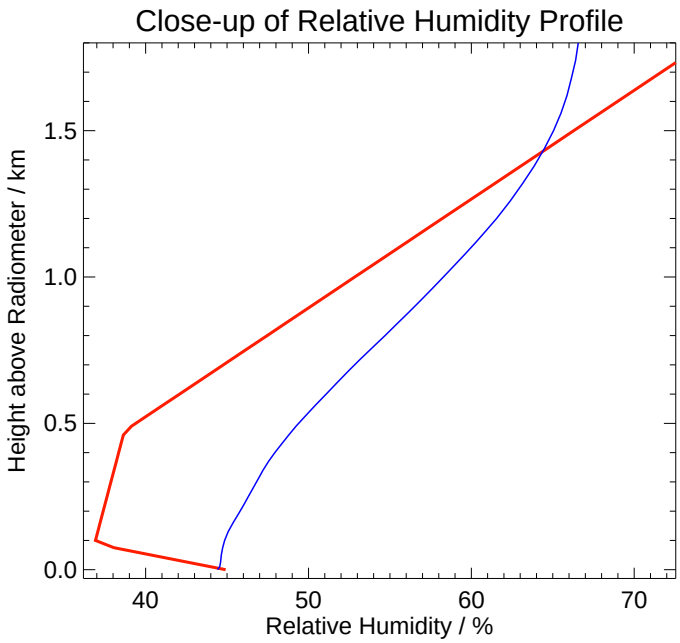

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

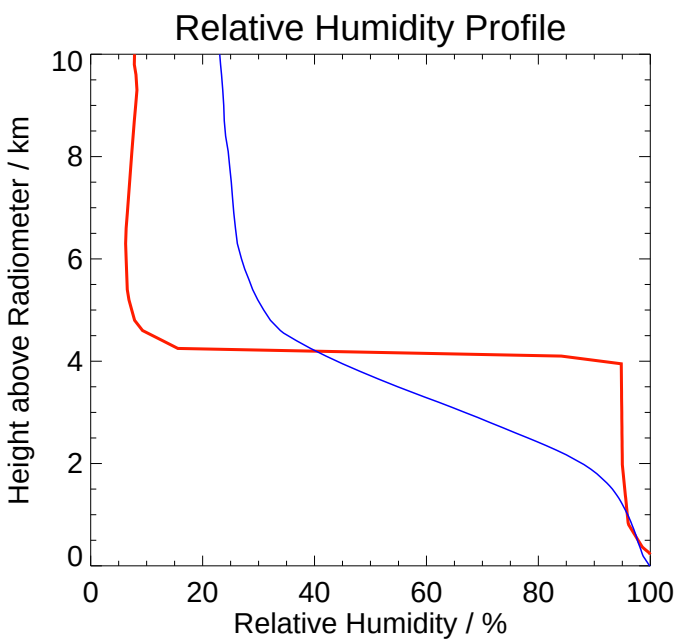

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98
100

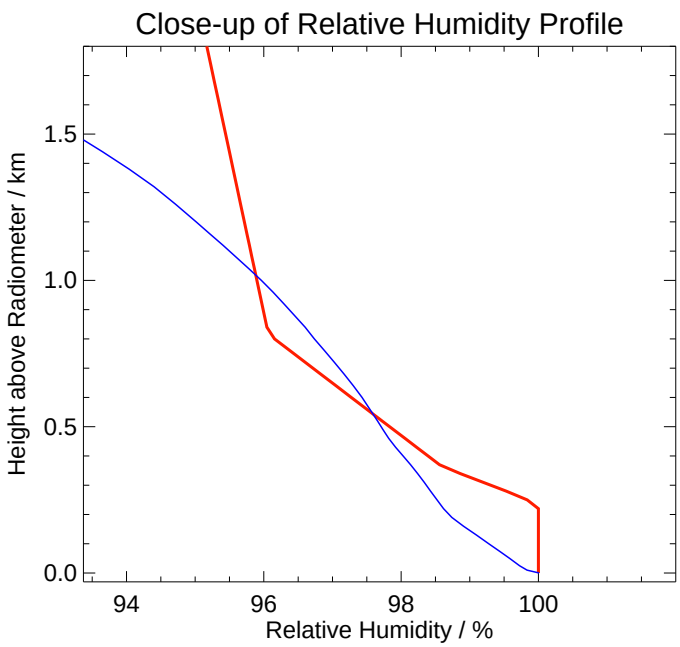

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

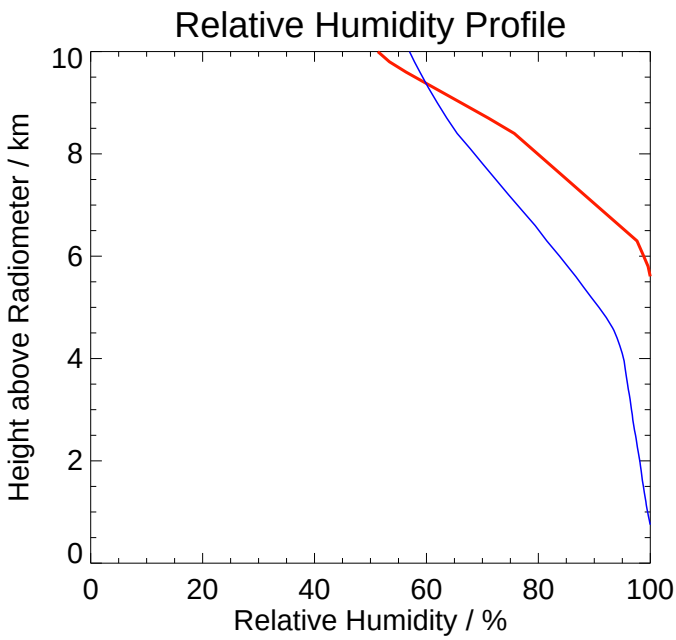

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

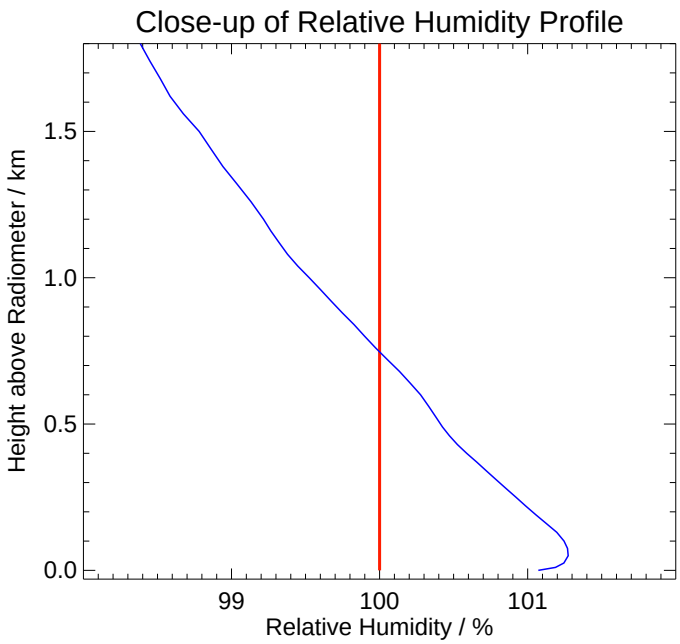

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

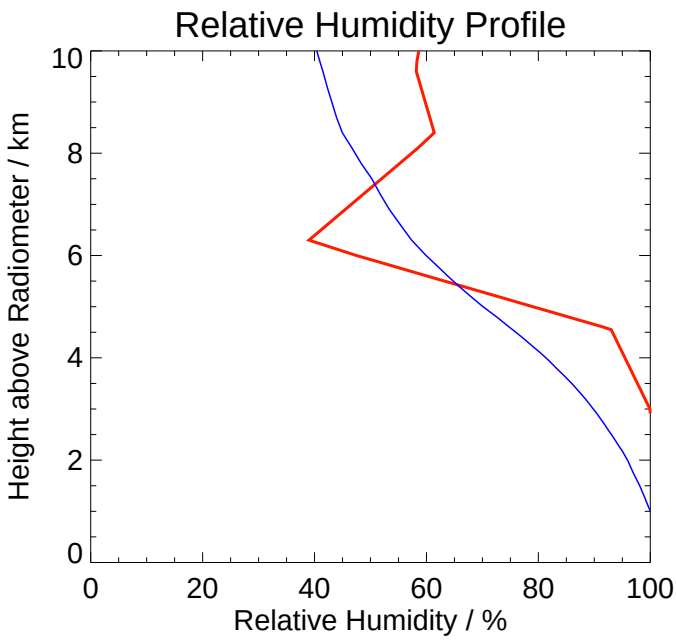

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70

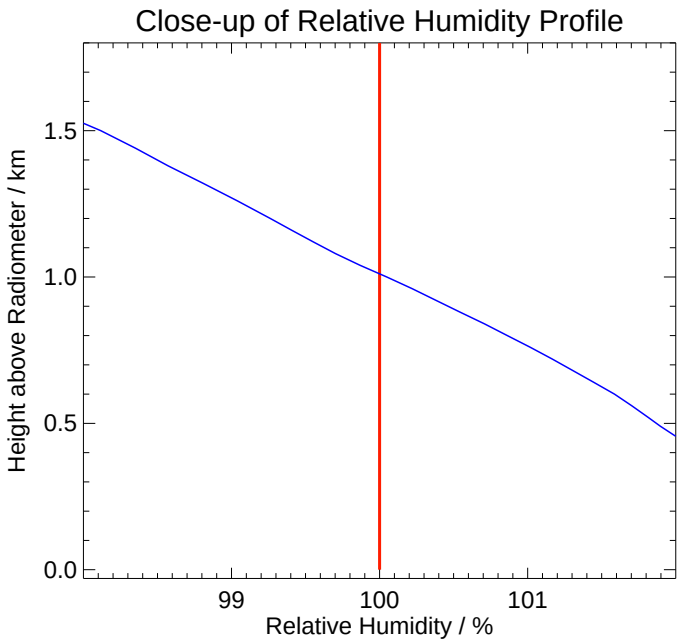

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

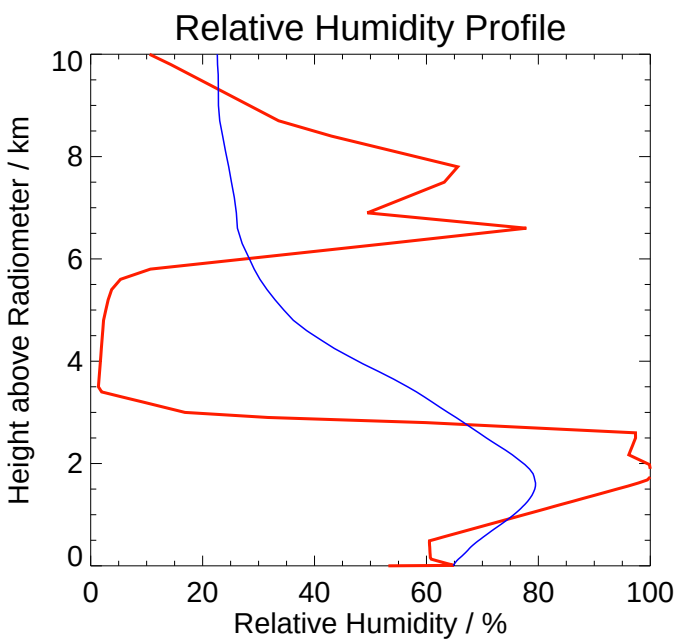

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

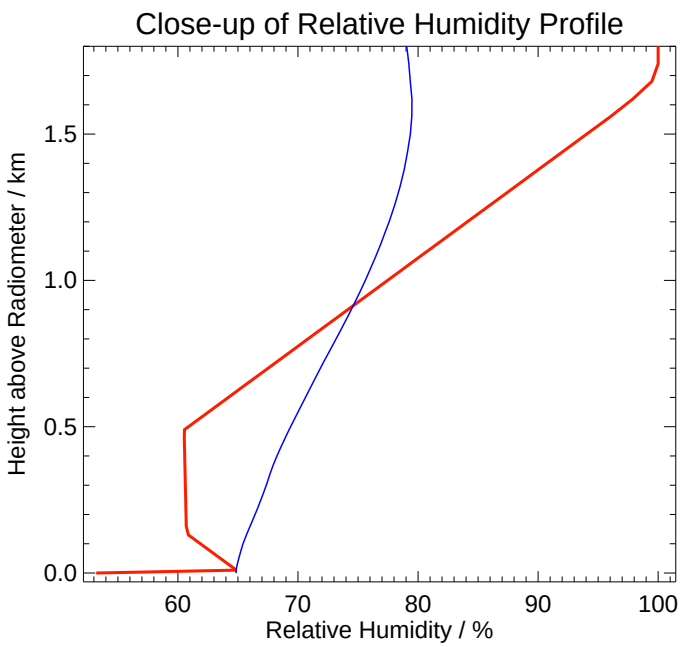

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

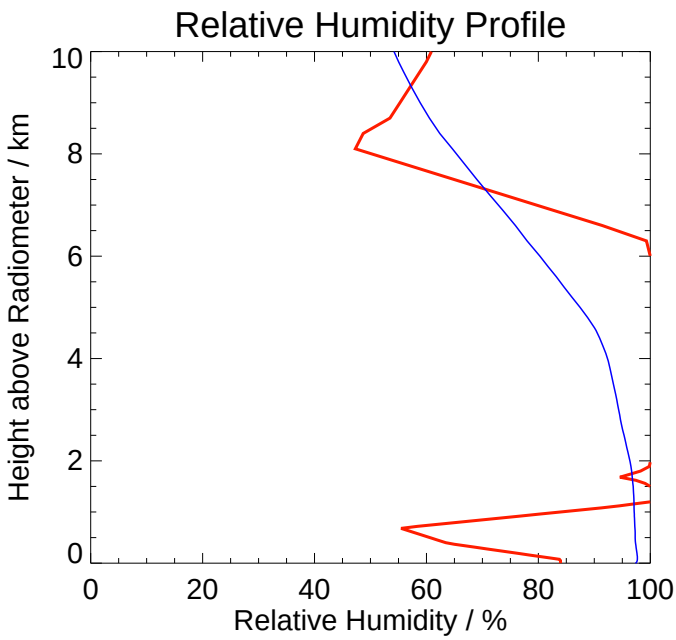

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

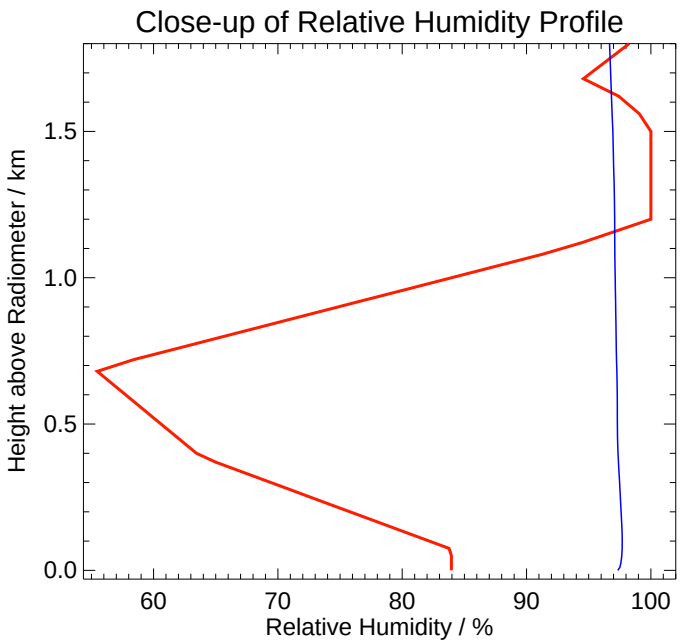

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

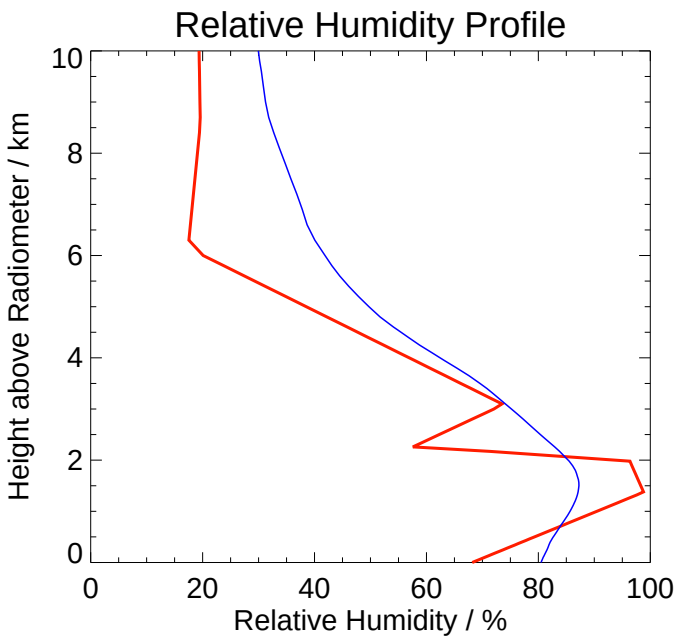

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

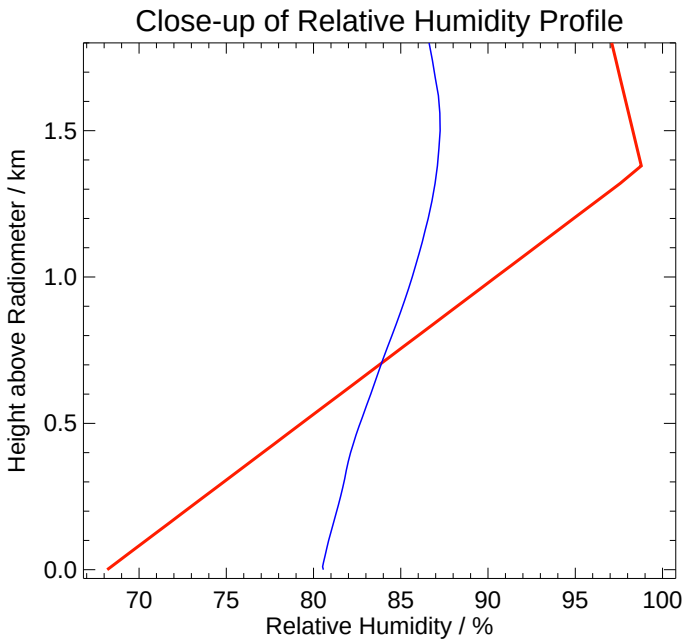

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

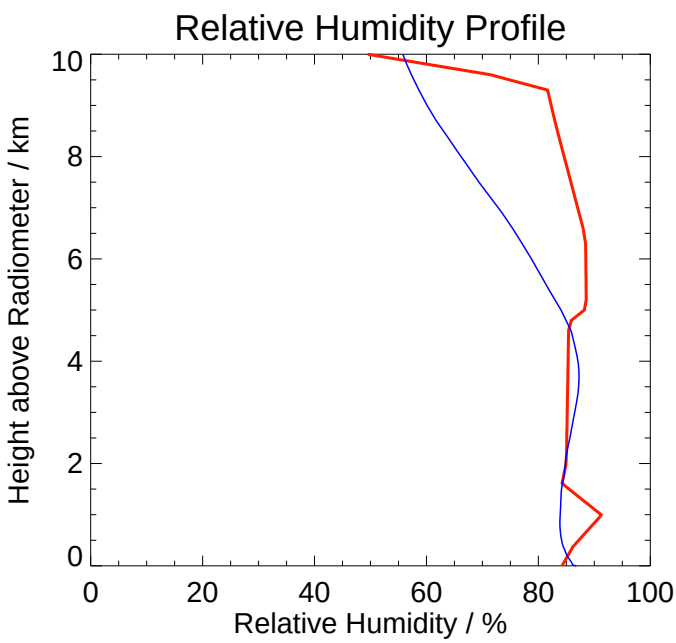

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90
100

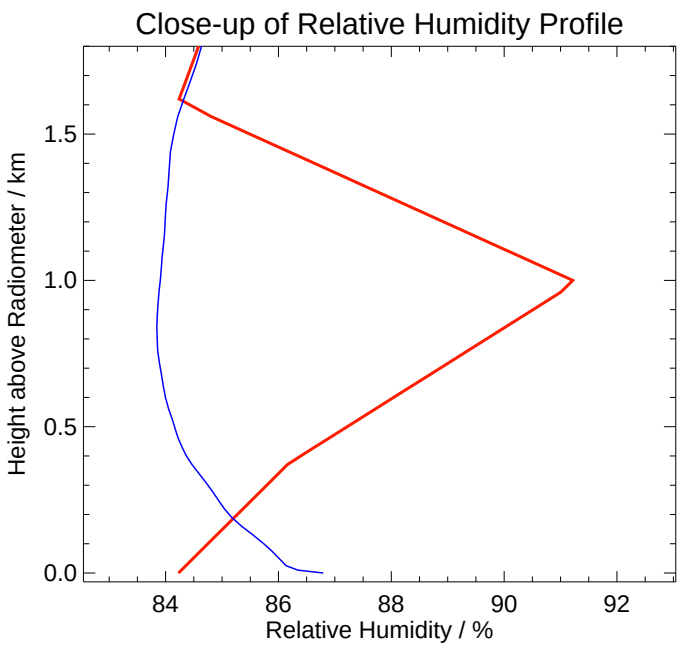

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

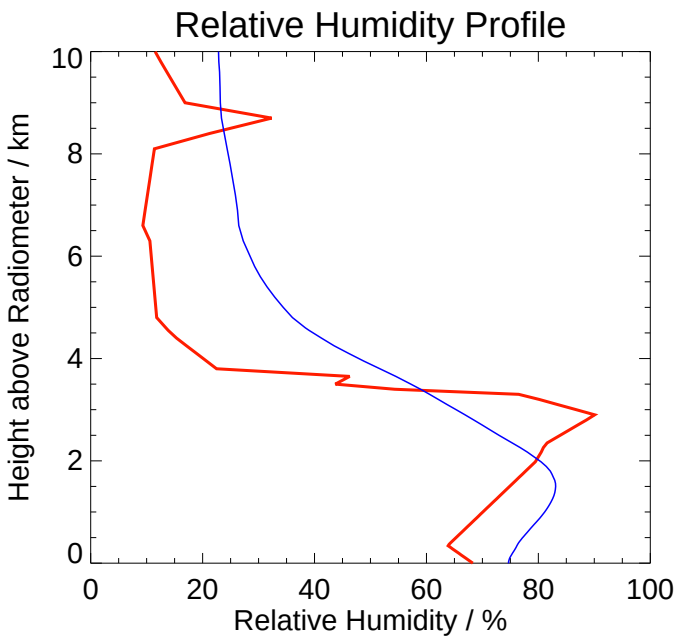

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90
100

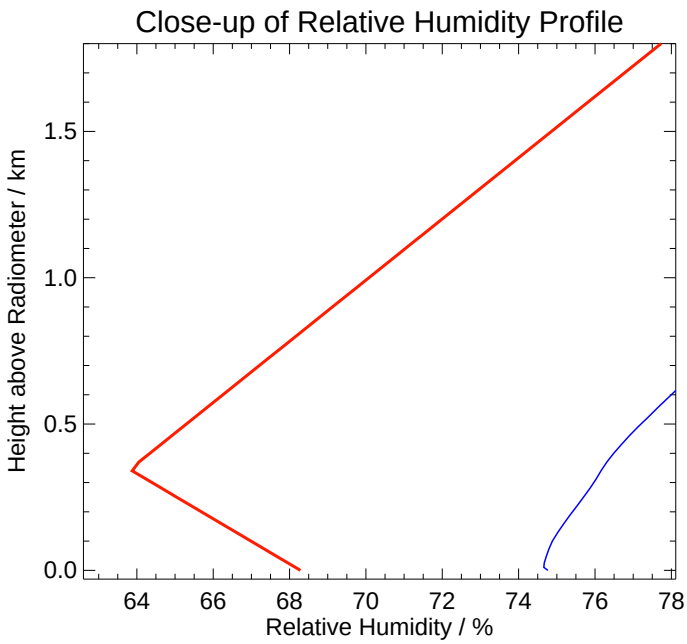

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

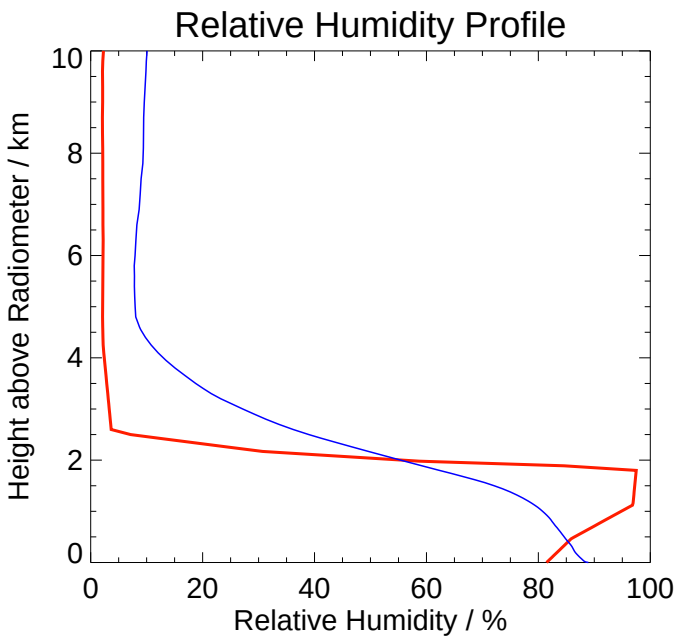

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95
100

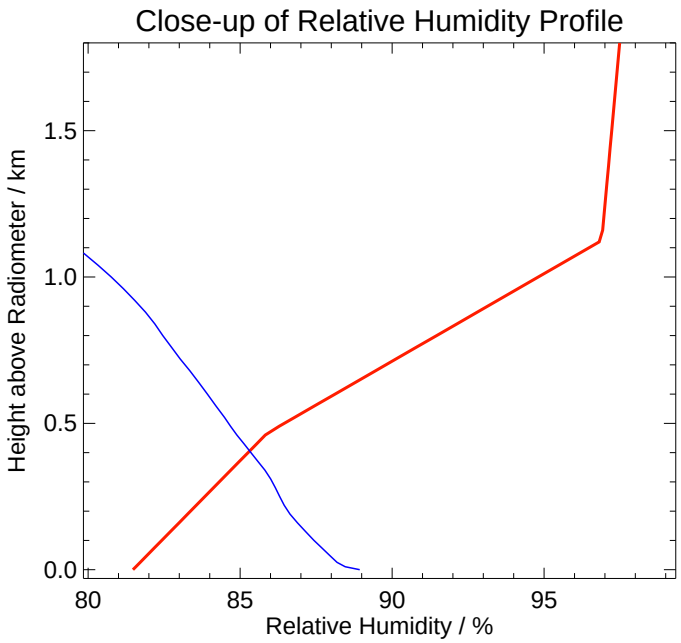

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

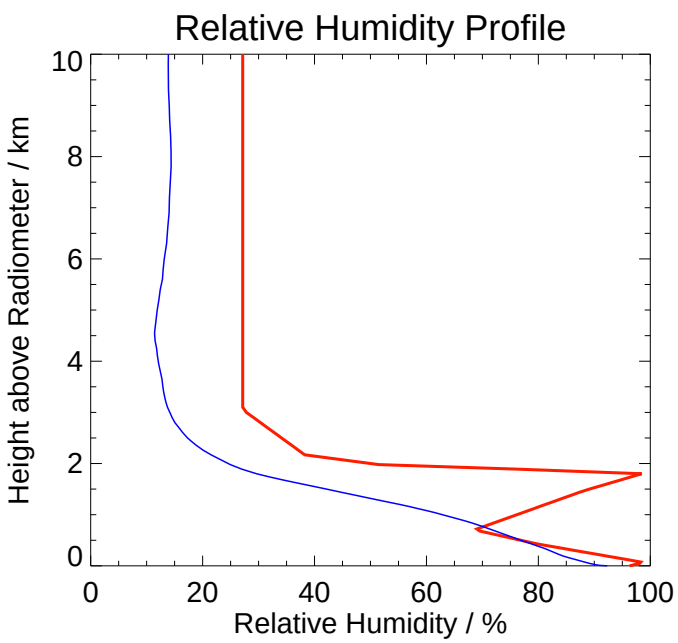

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
84
86
88
90
92

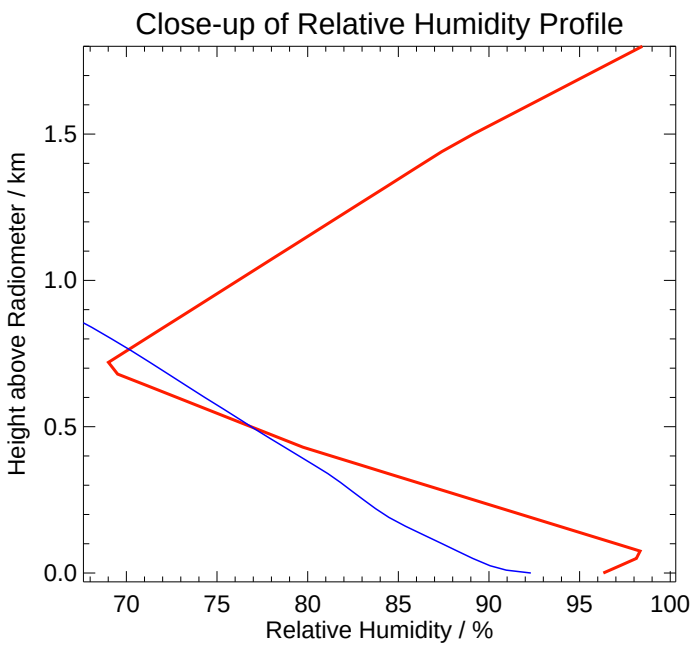

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

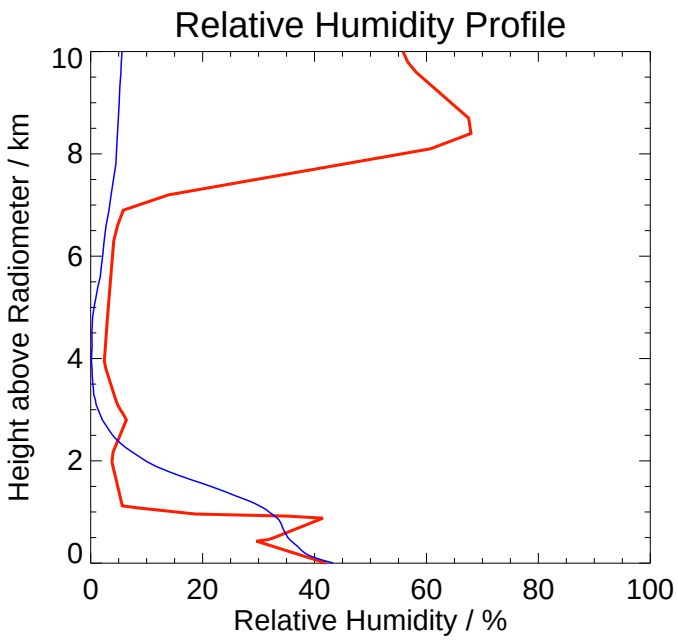

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
64
66
68
70
72
74
76
78

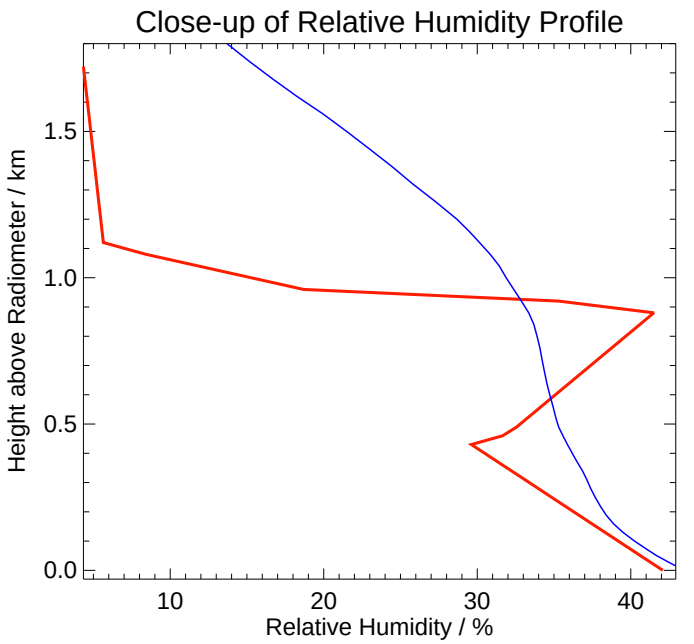

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

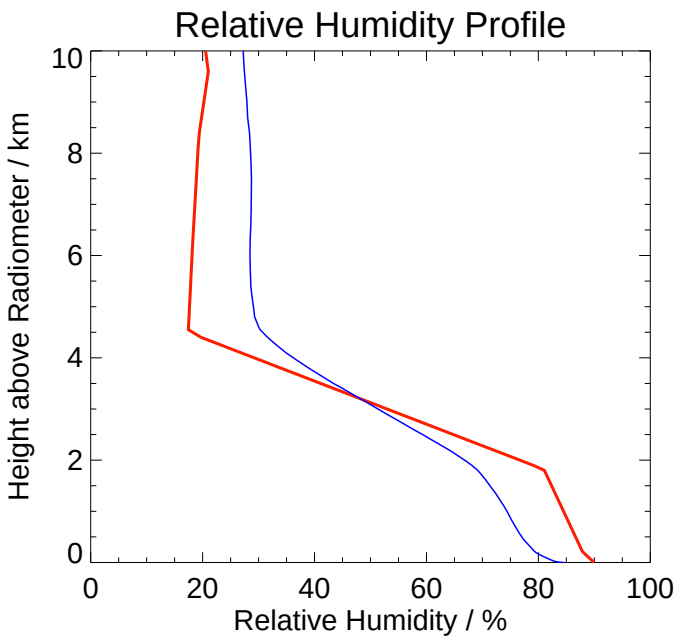

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95

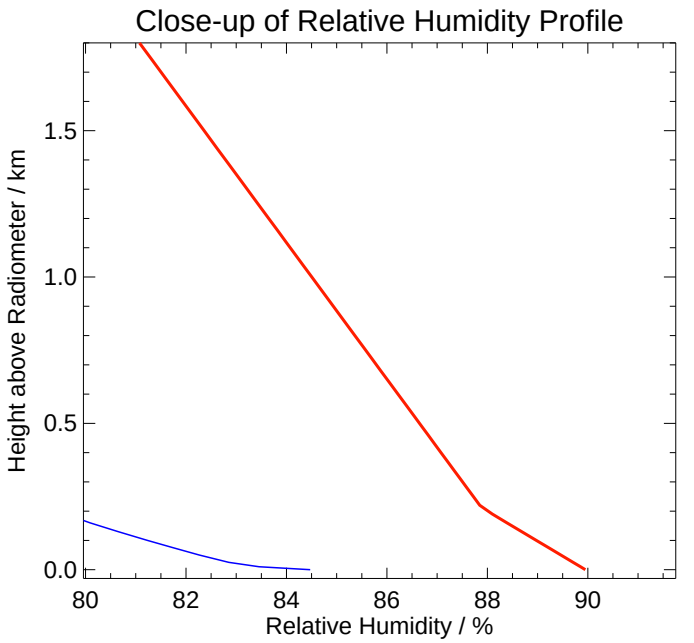

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

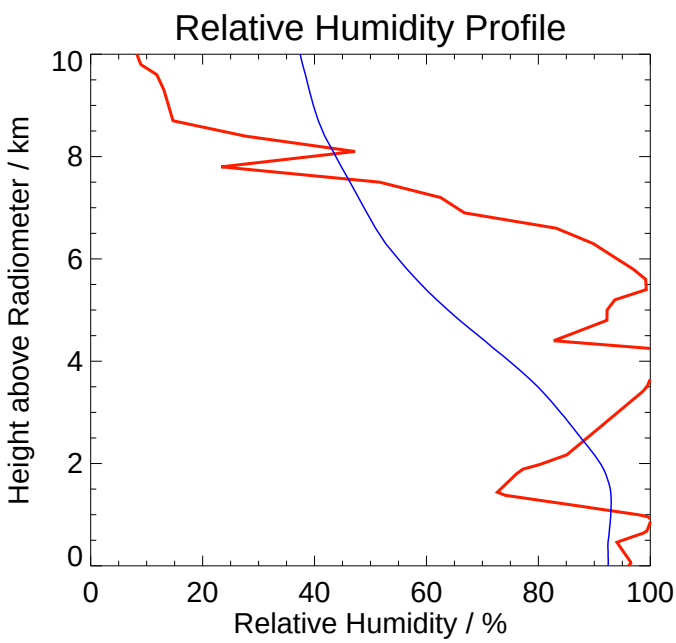

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95
100

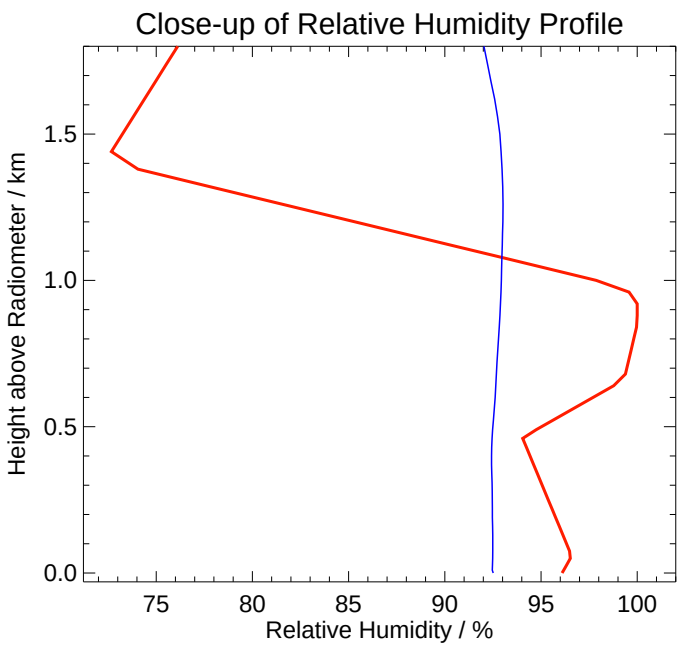

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

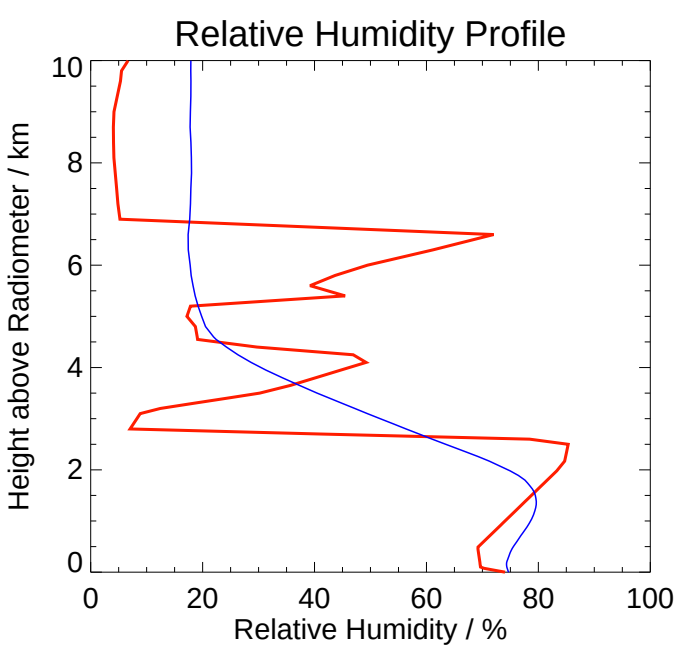

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
10
20
30
40

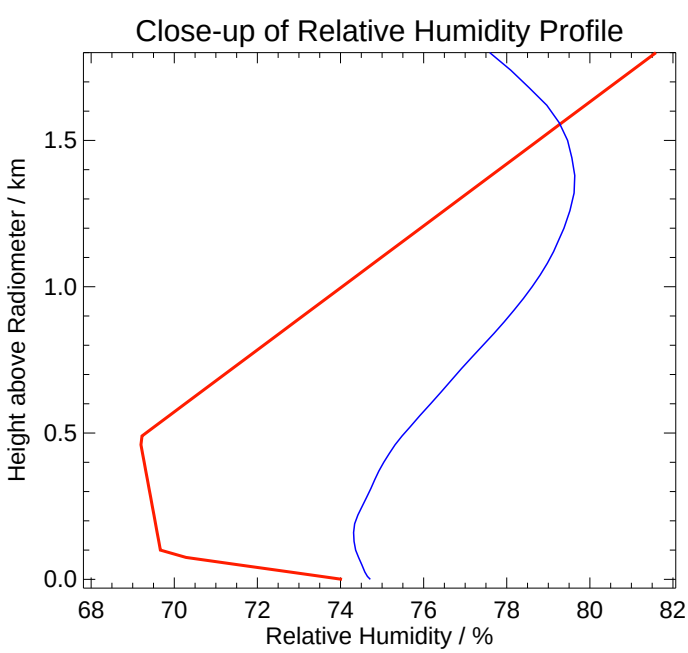

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

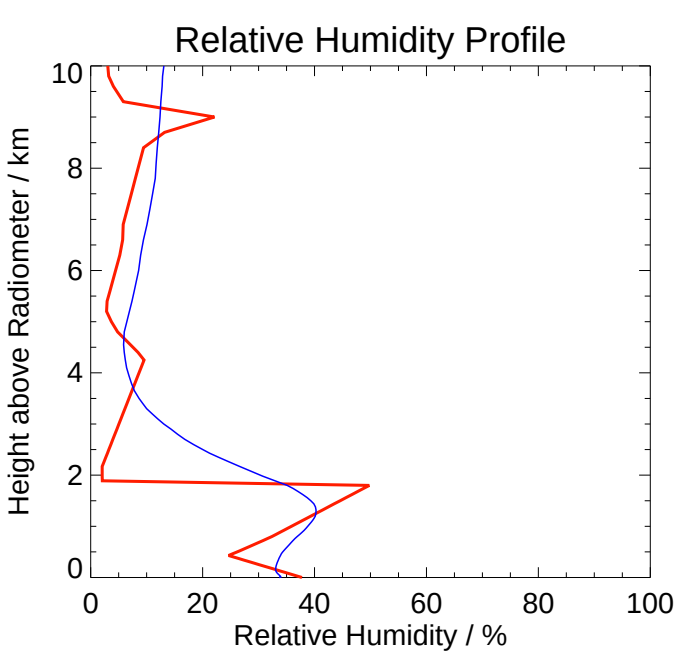

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
82
84
86
88
90

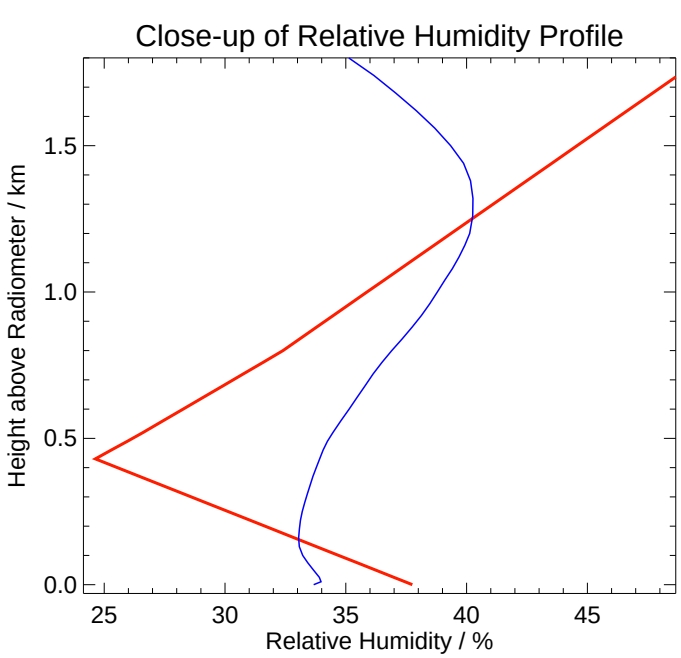

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

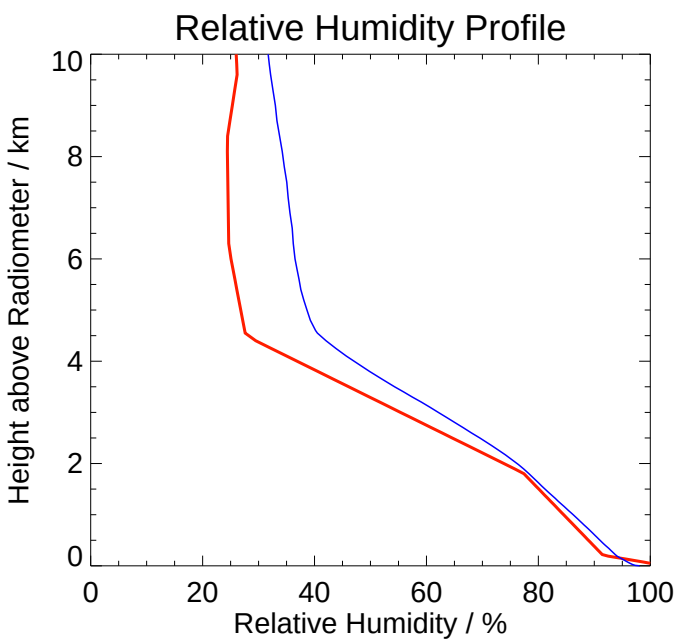

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

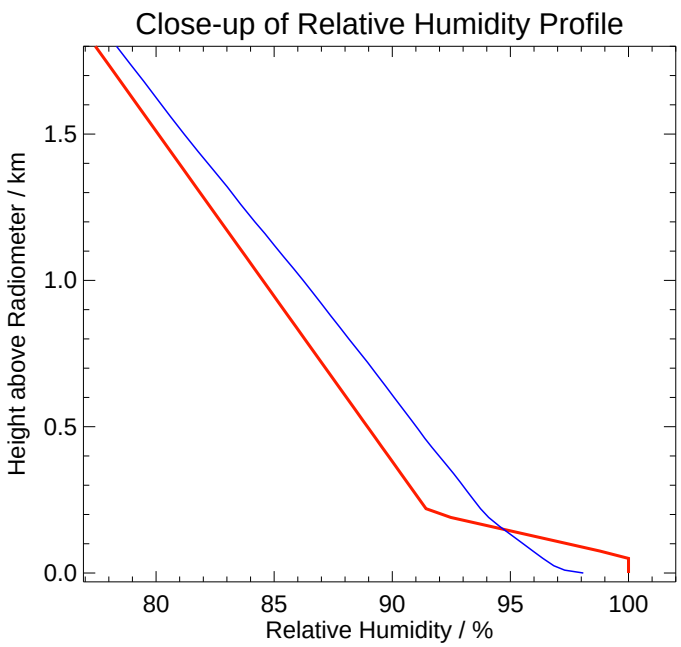

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

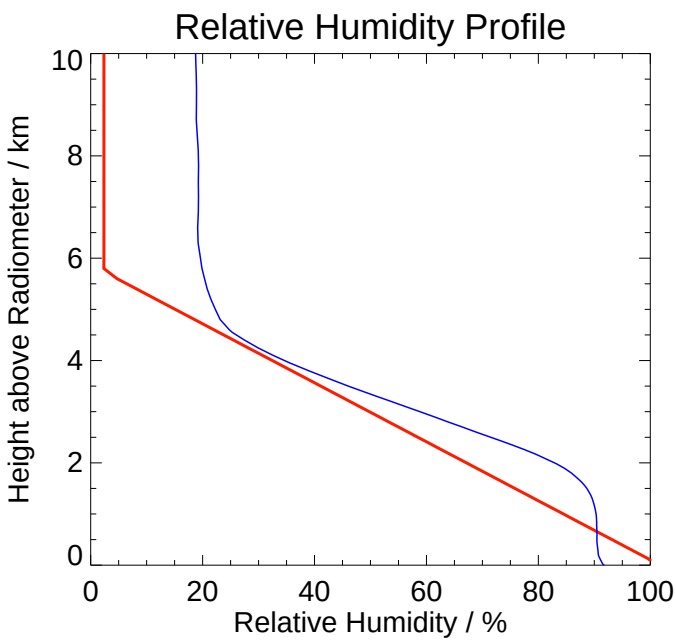

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
68
70
72
74
76
78
80
82

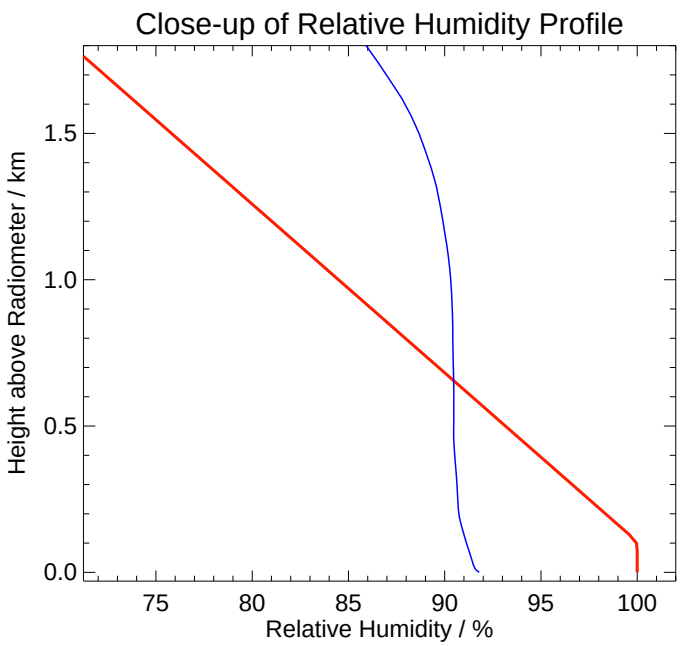

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

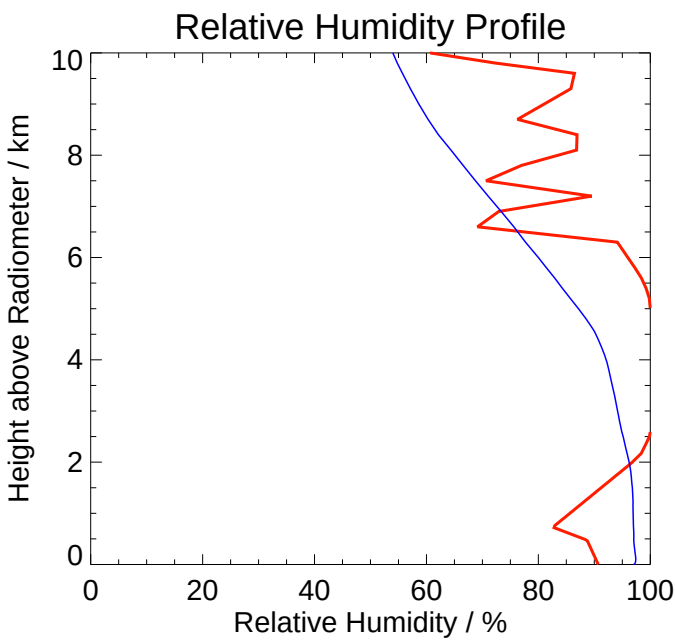

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
25
30
35
40
45

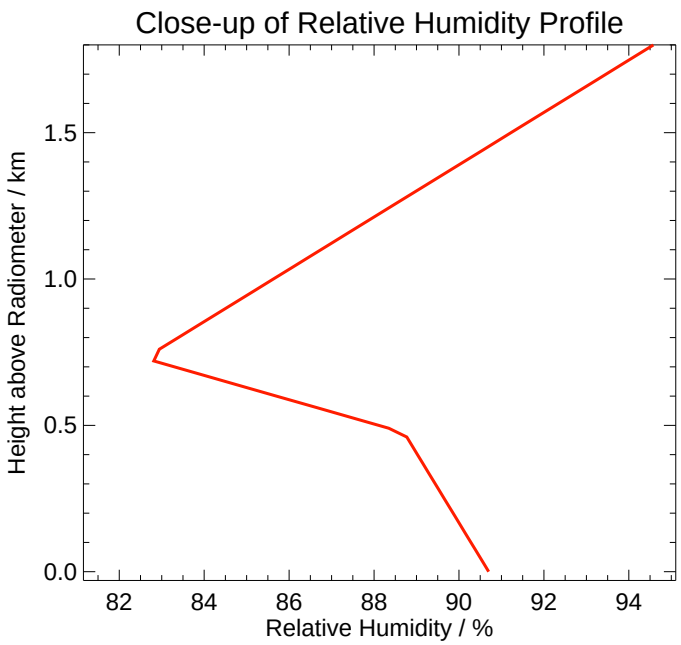

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

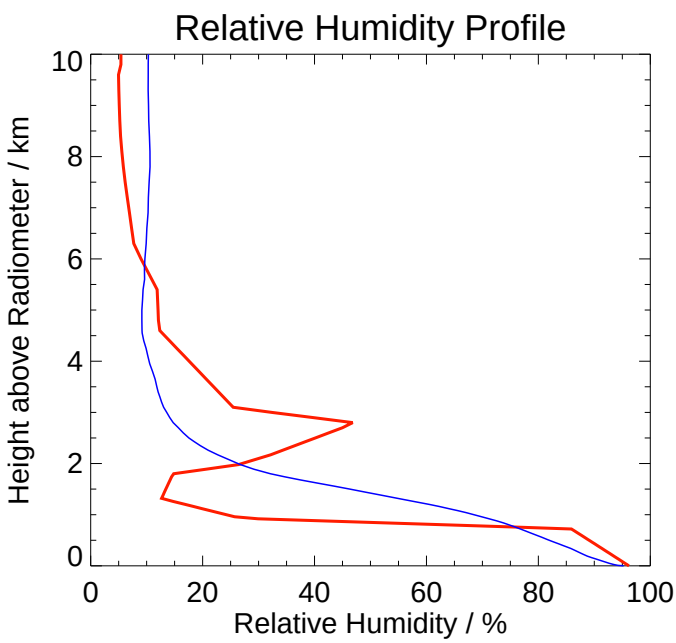

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

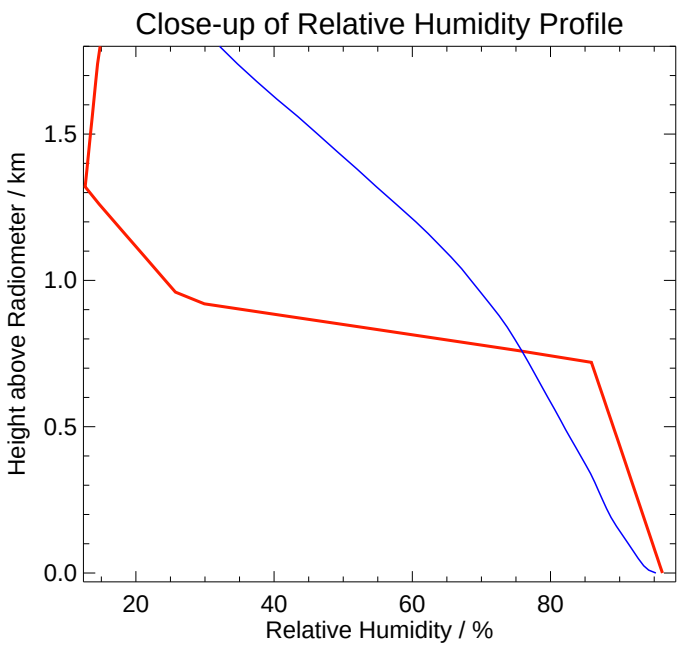

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

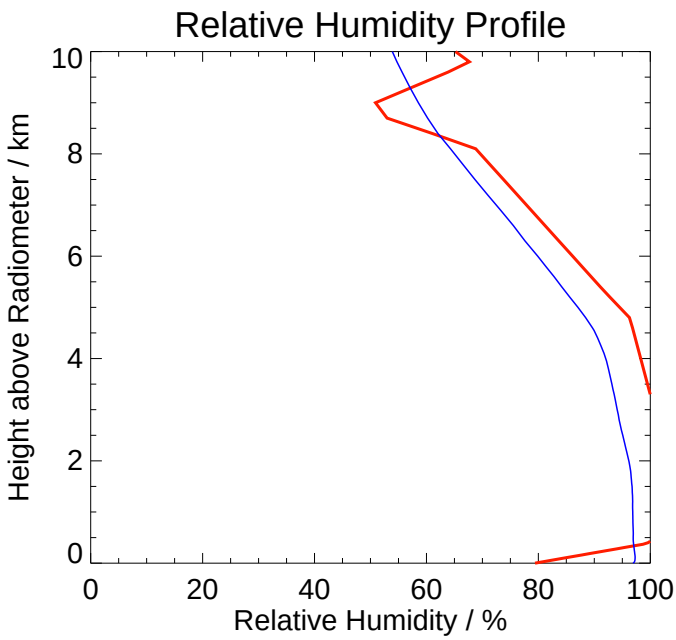

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

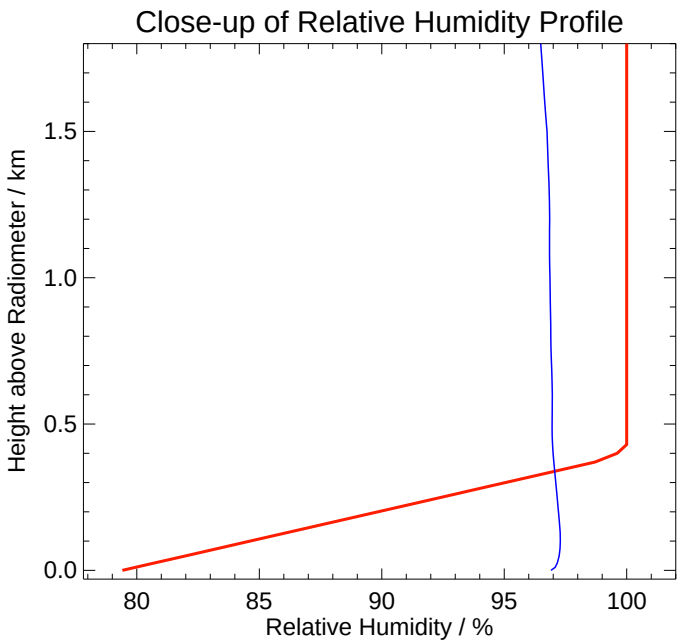

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

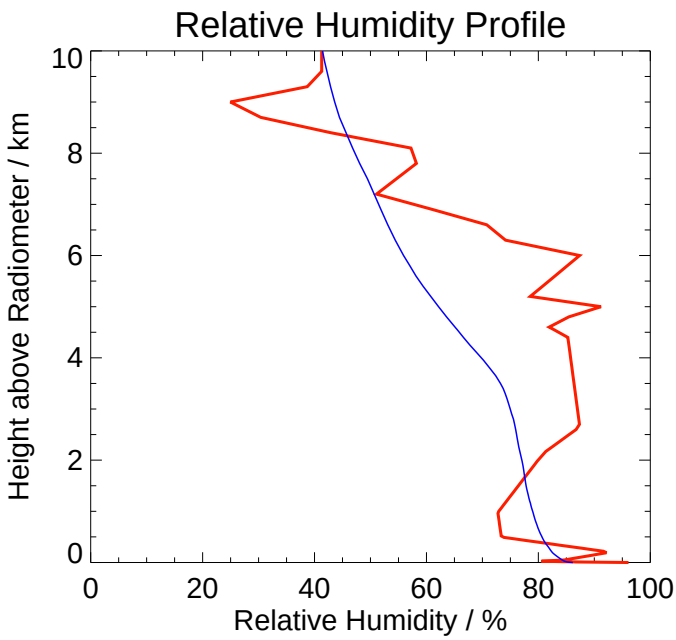

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
82
84
86
88
90
92
94

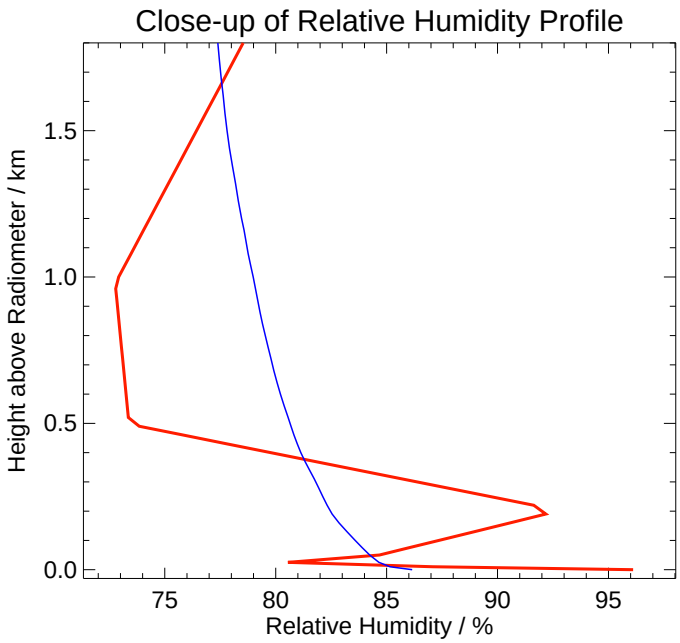

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

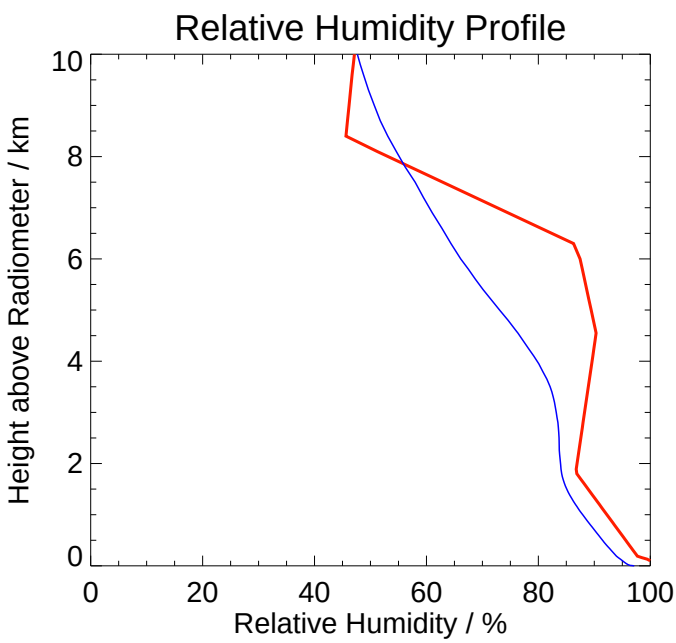

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
40
60
80

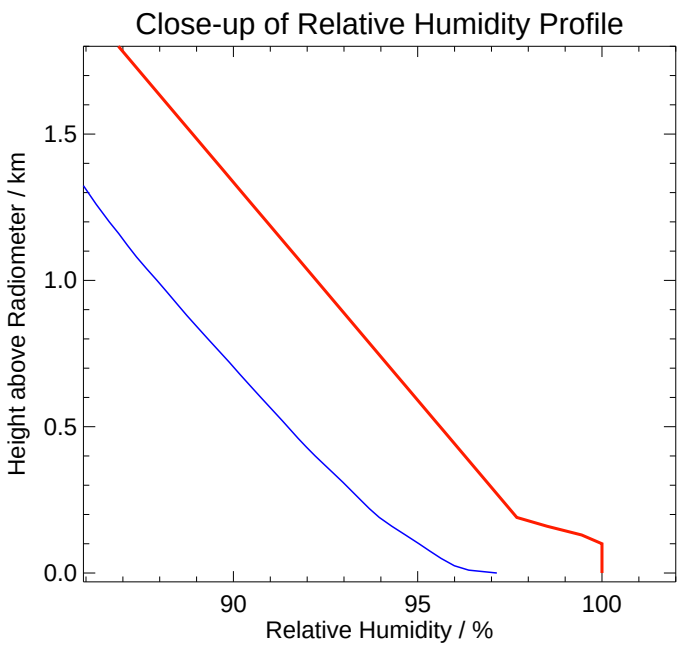

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

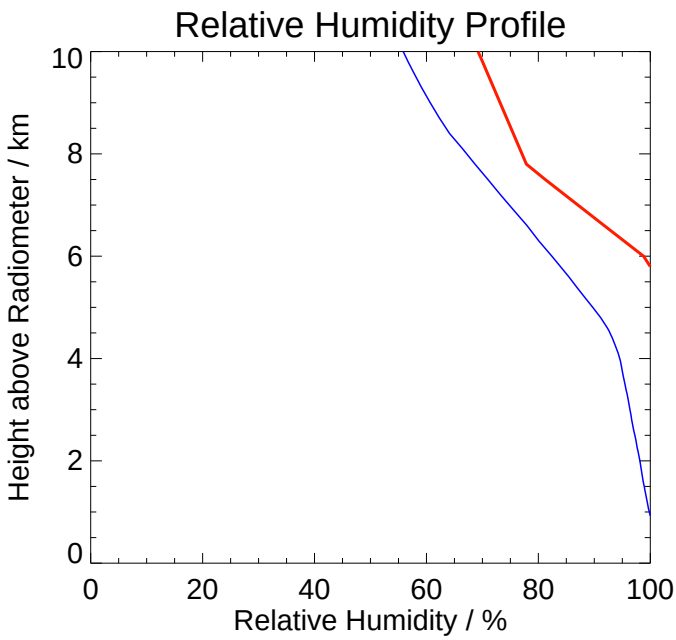

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

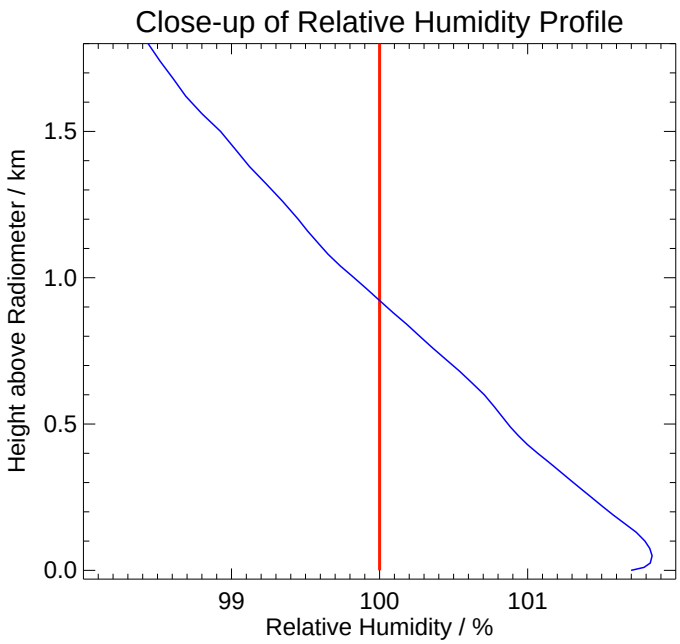

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

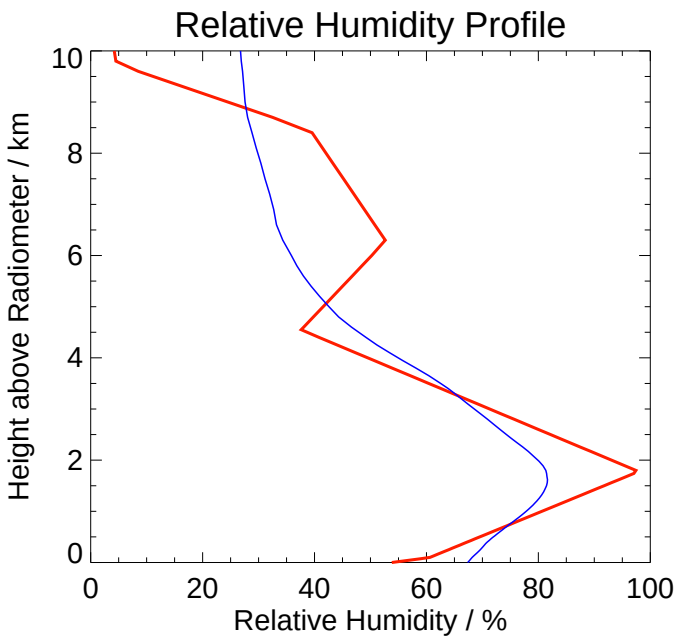

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95

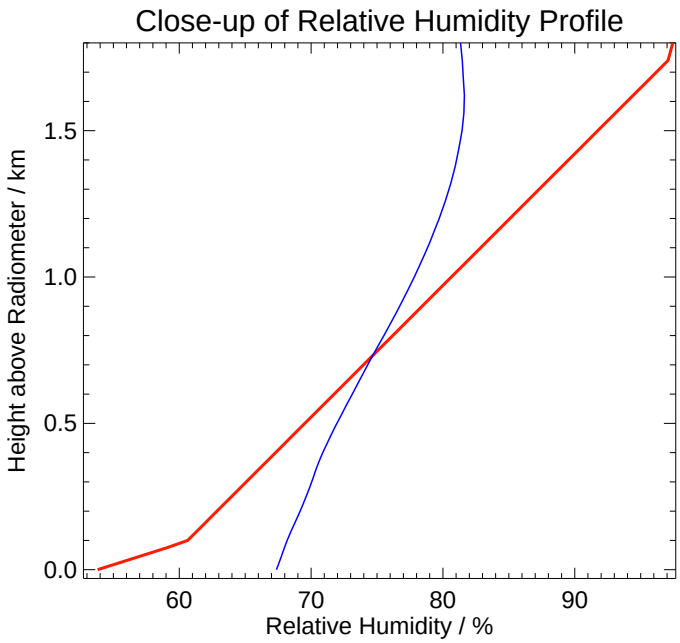

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

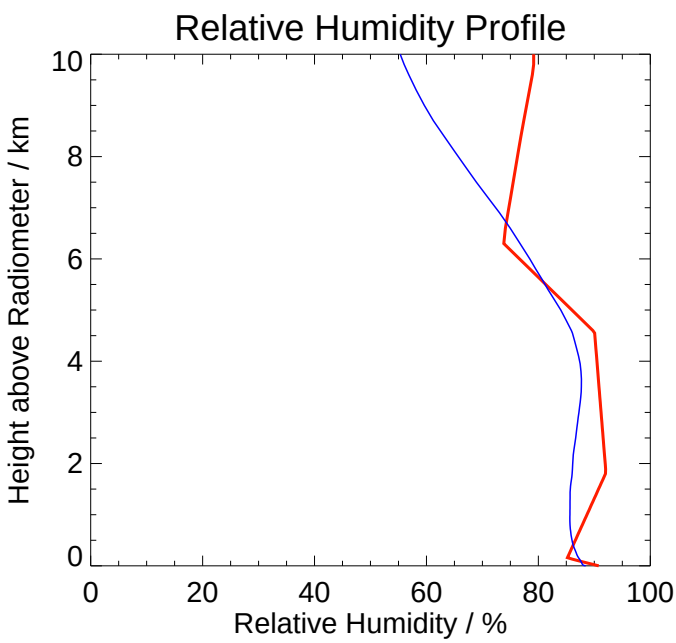

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
95
100

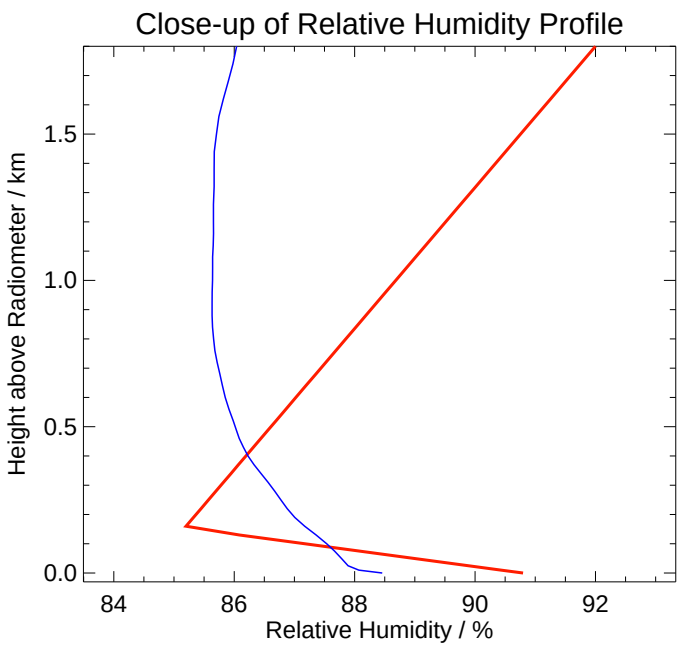

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

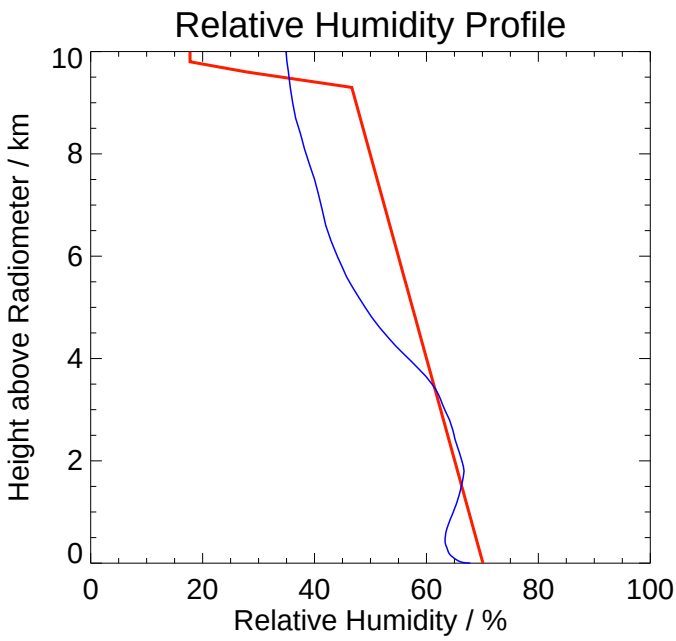

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

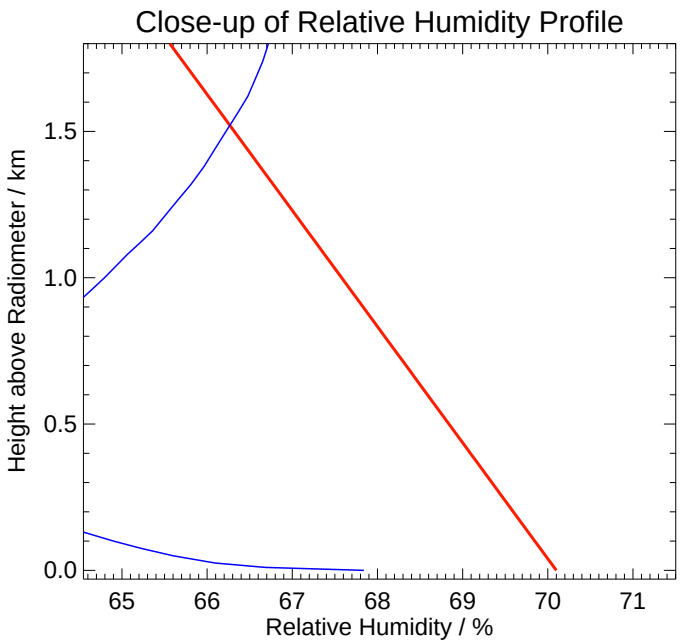

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

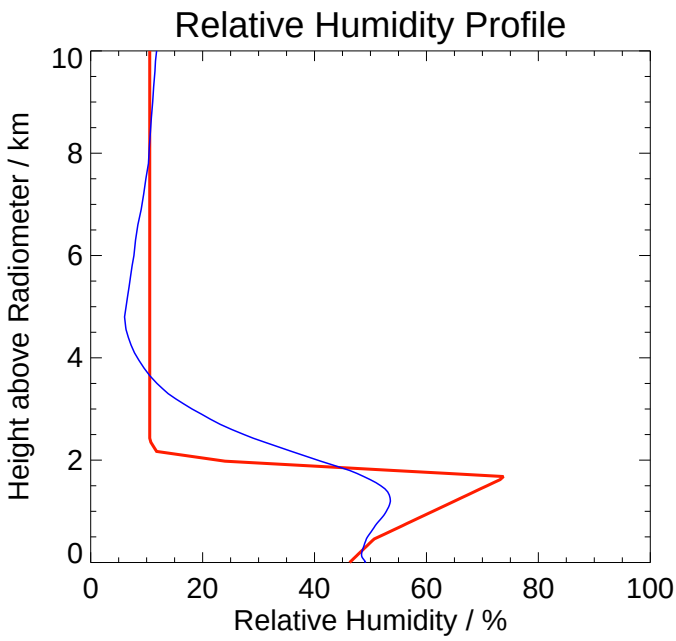

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

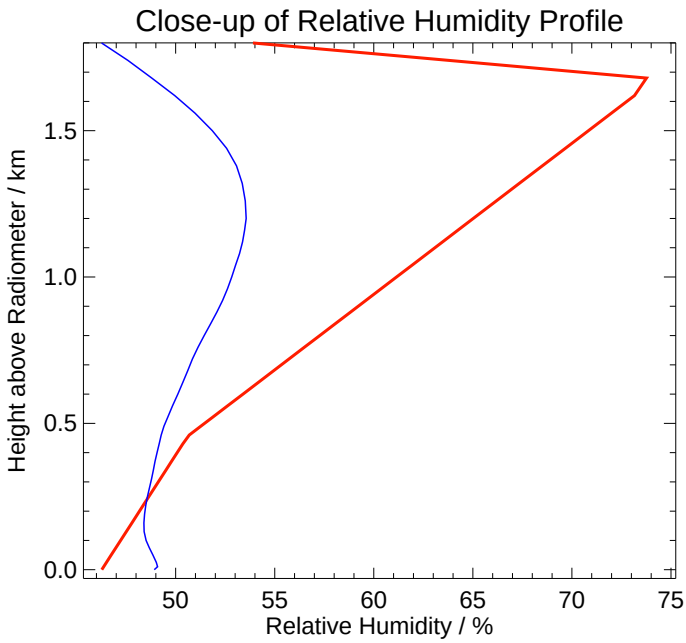

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

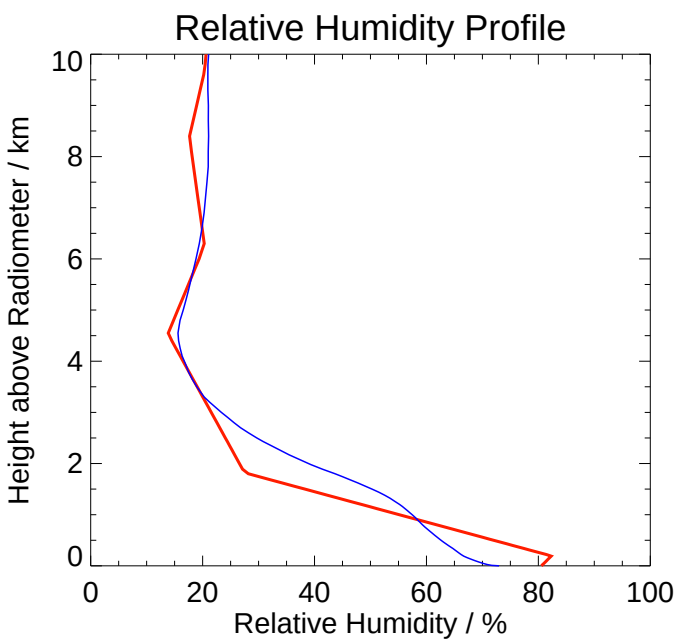

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
84
86
88
90
92

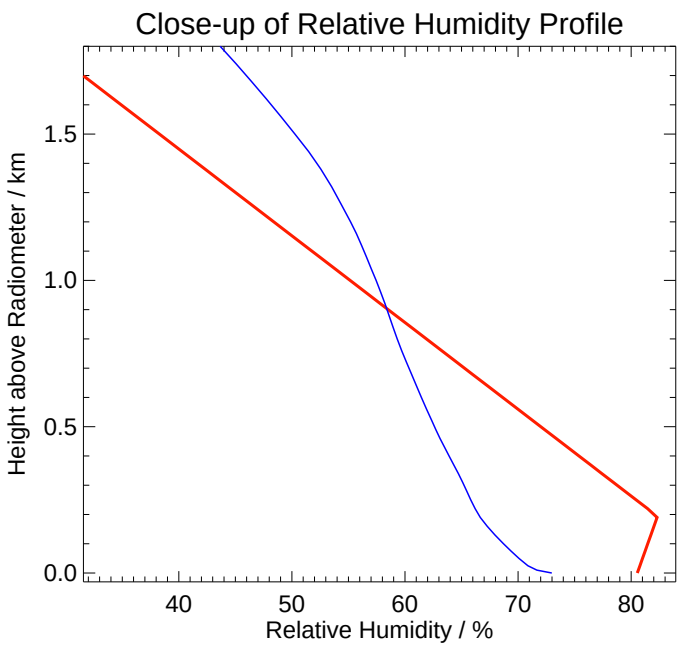

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

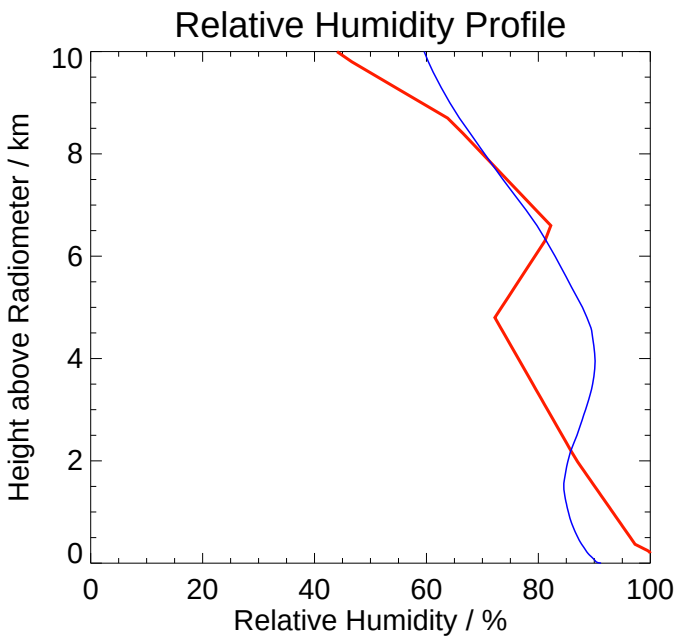

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
66
67
68
69
70
71

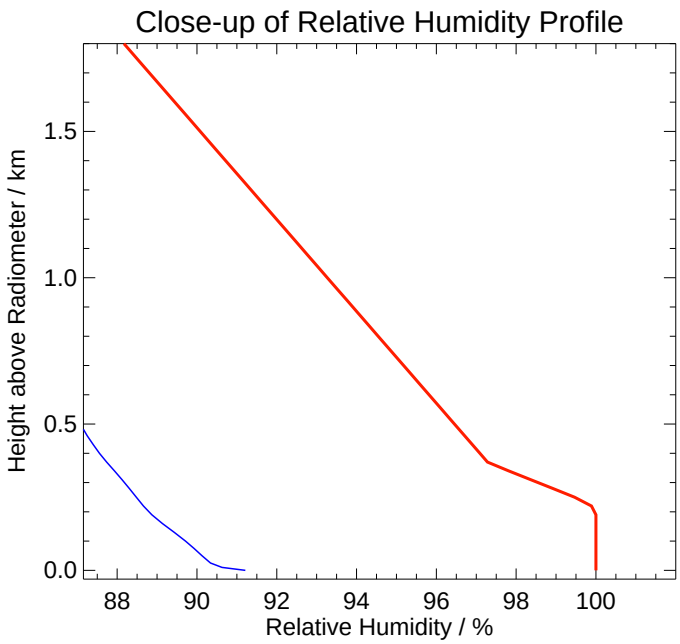

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

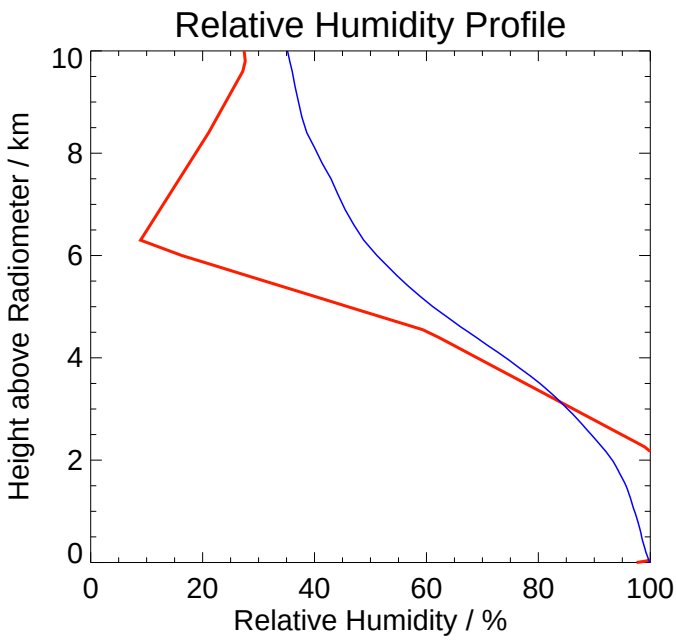

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
55
60
65
70
75

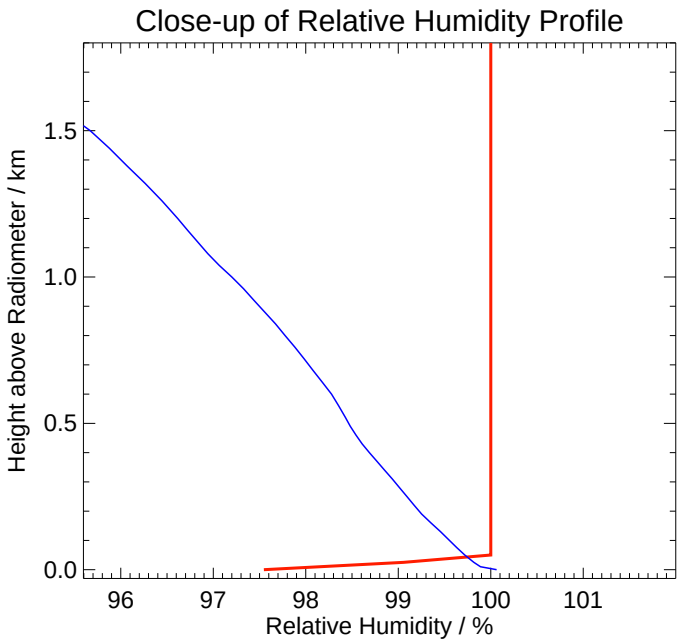

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

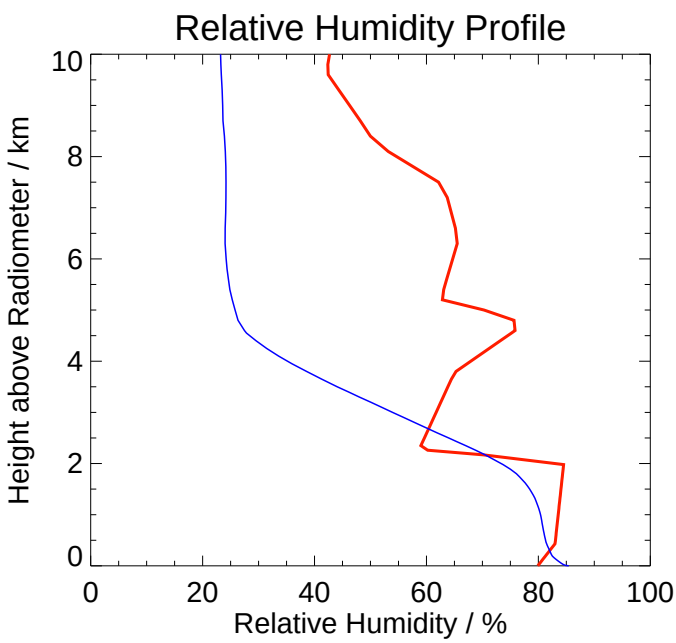

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80

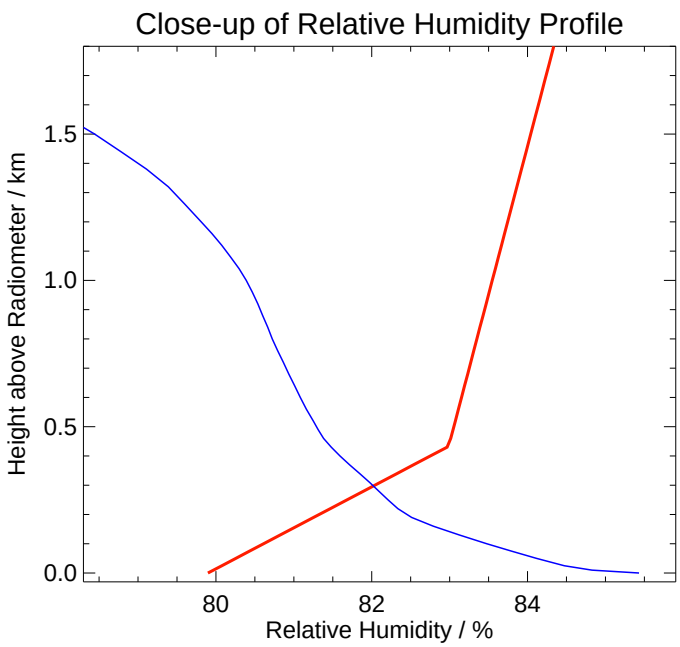

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

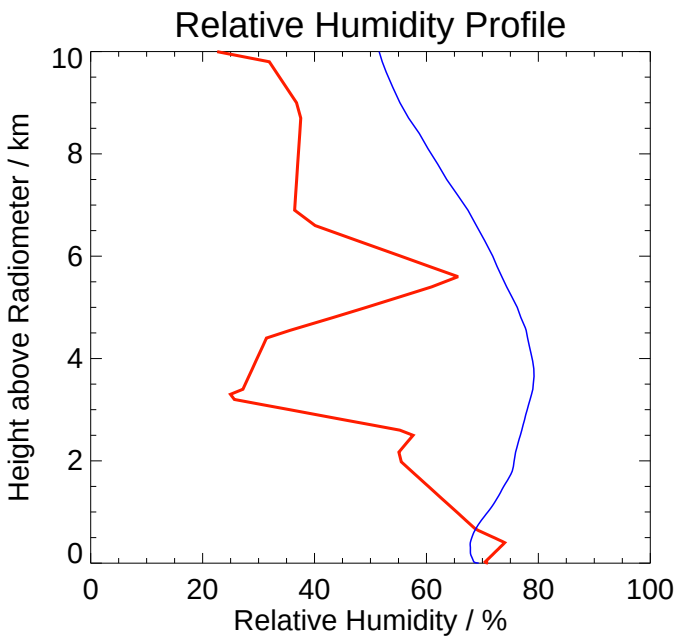

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96
98
100

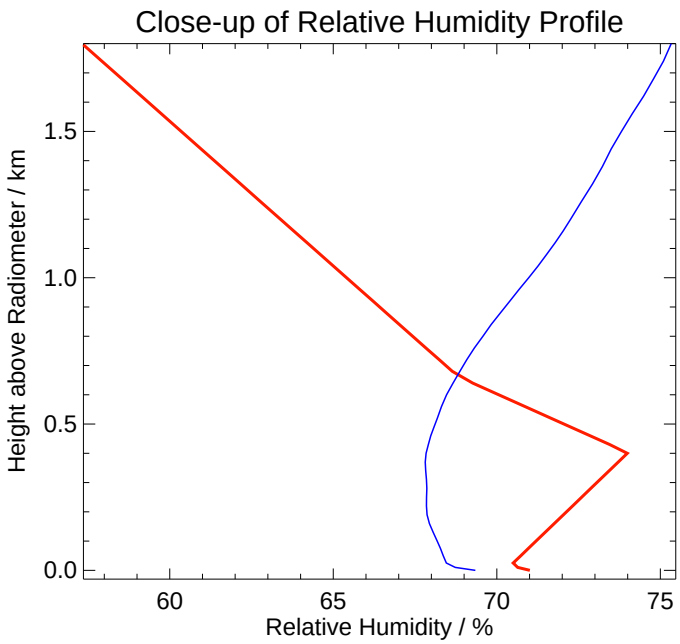

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

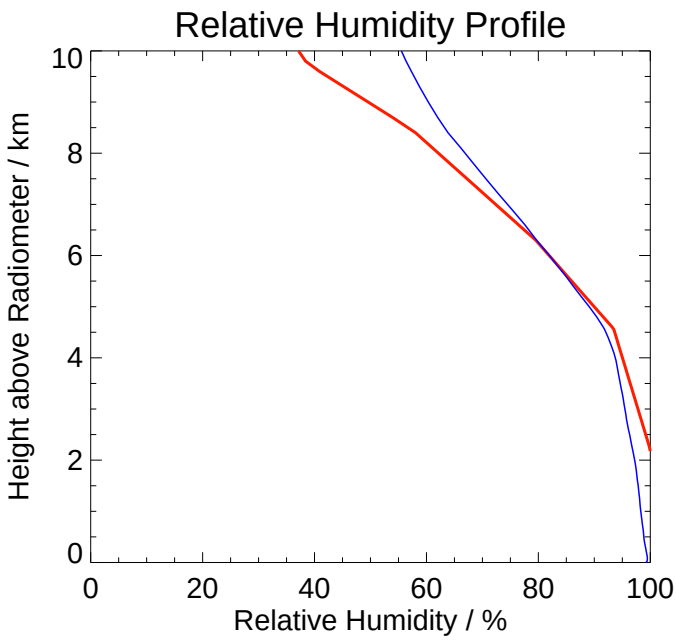

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

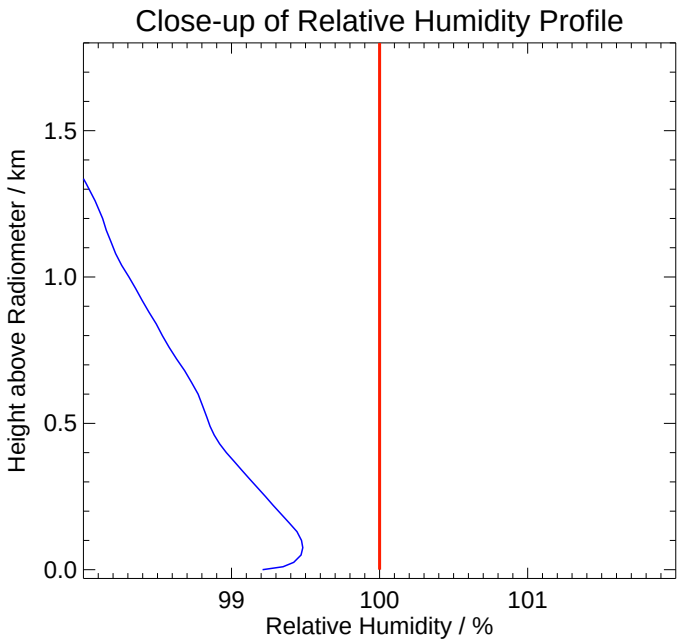

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

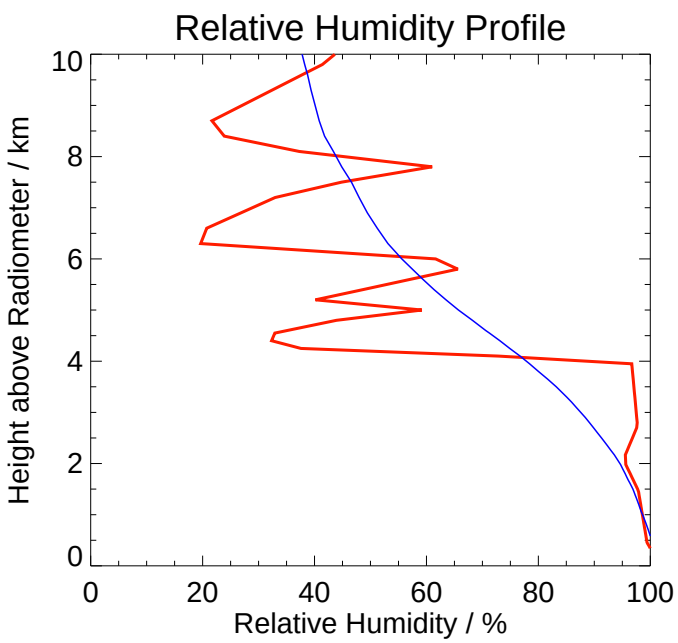

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
82
84

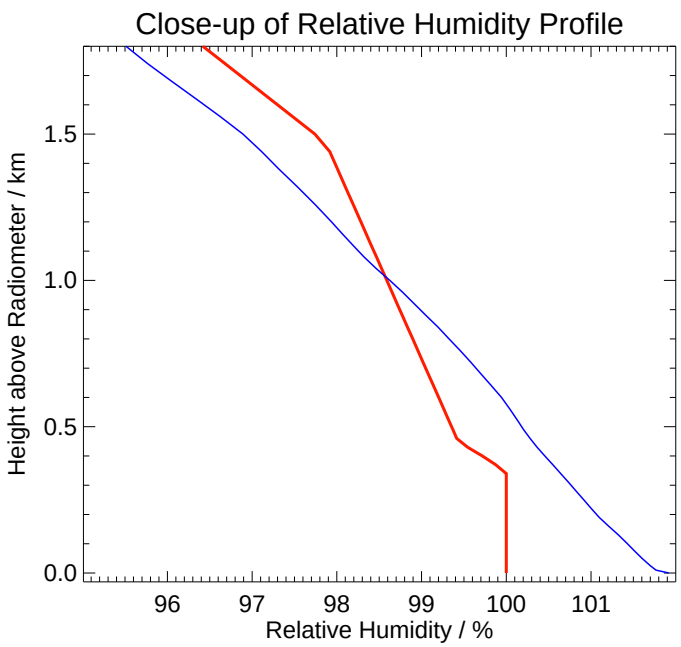

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

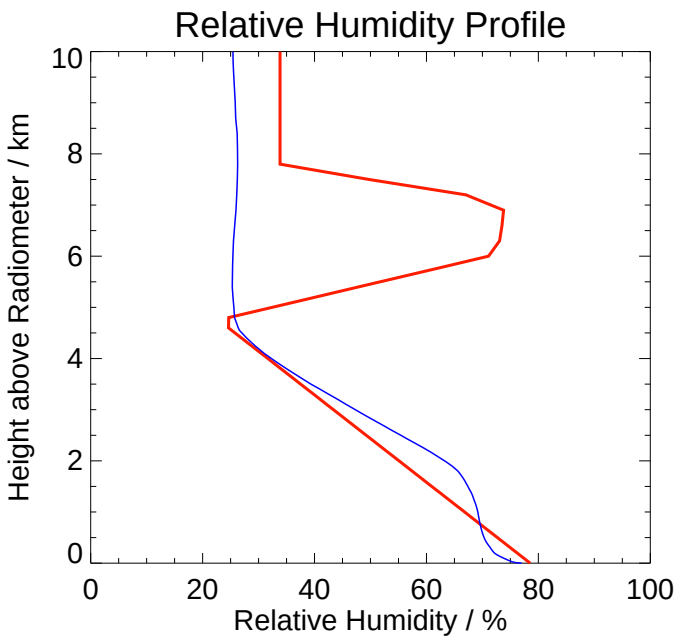

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75

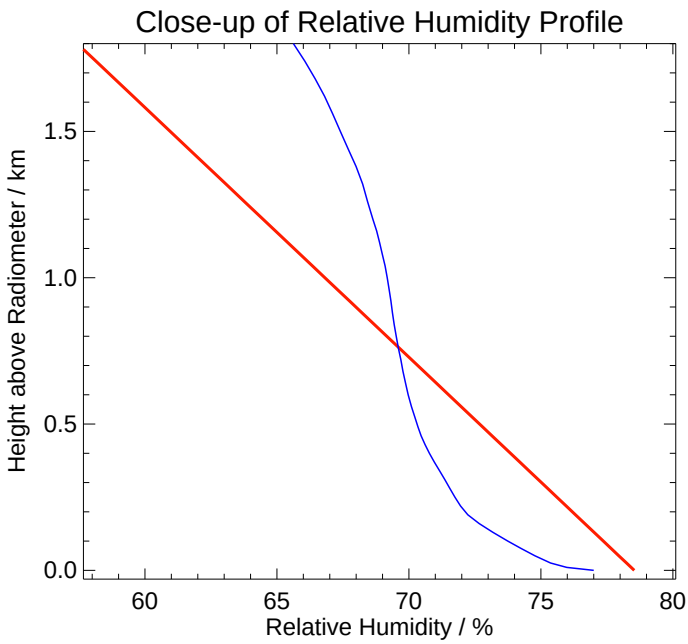

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

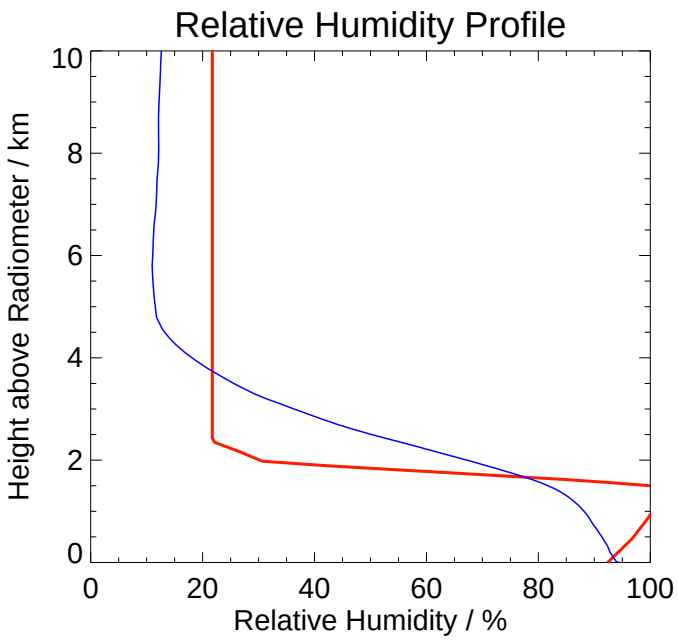

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

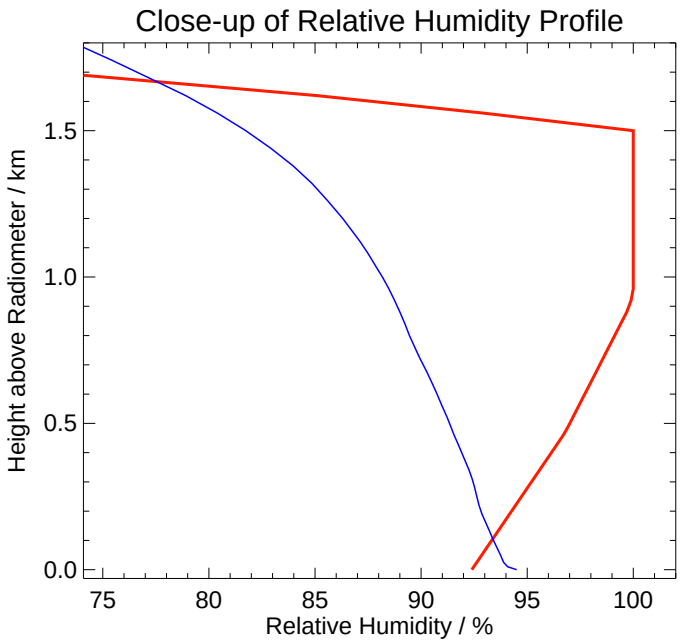

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

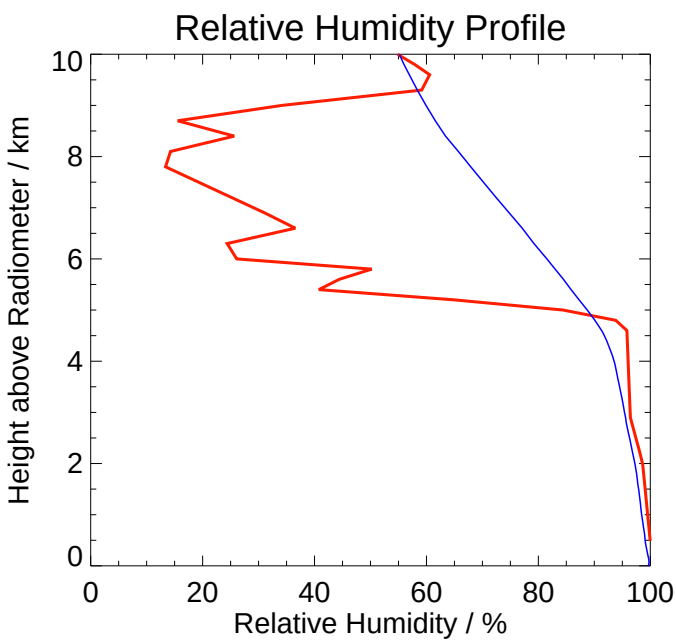

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

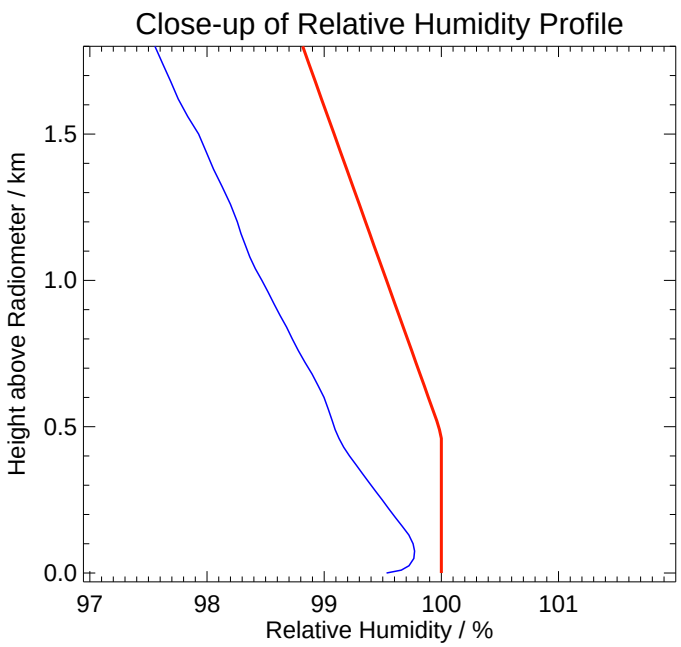

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

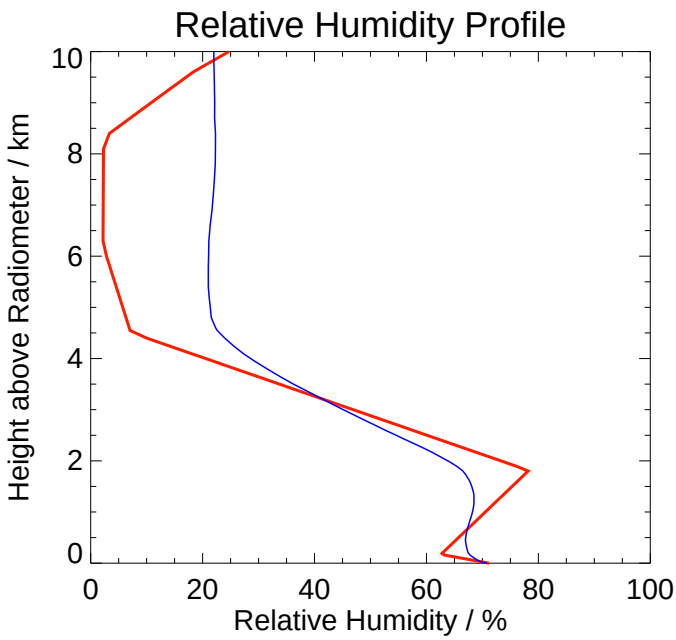

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80

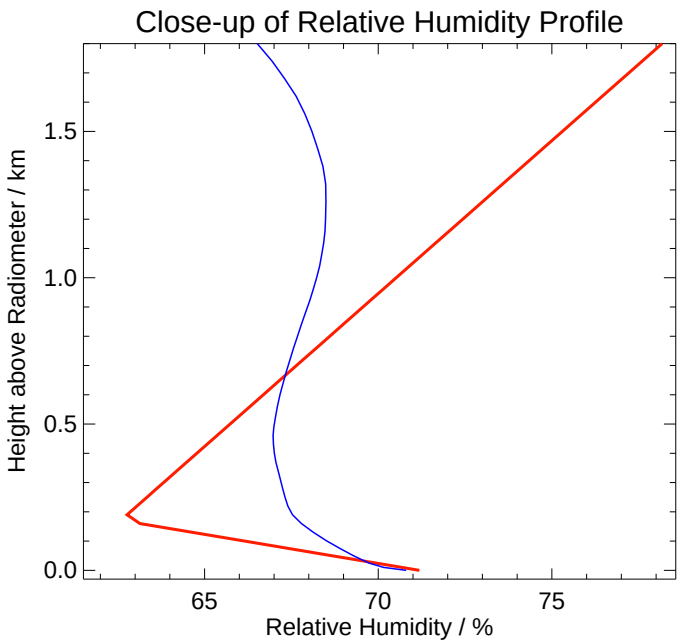

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

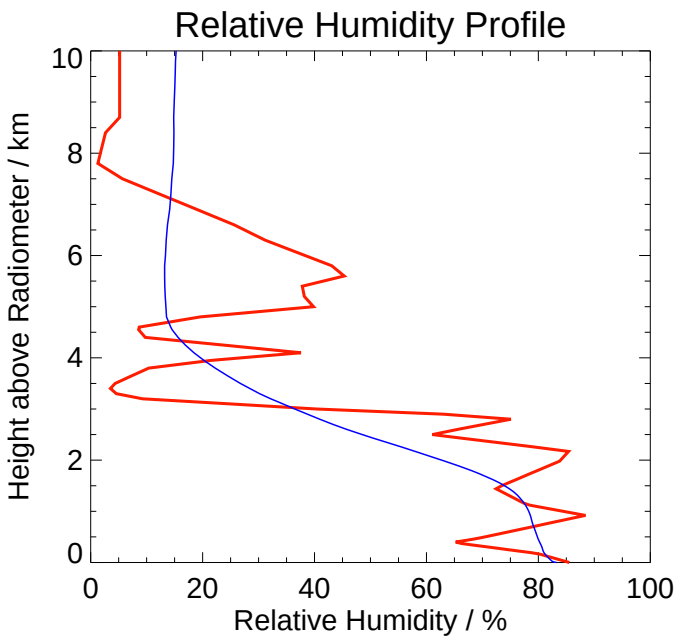

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

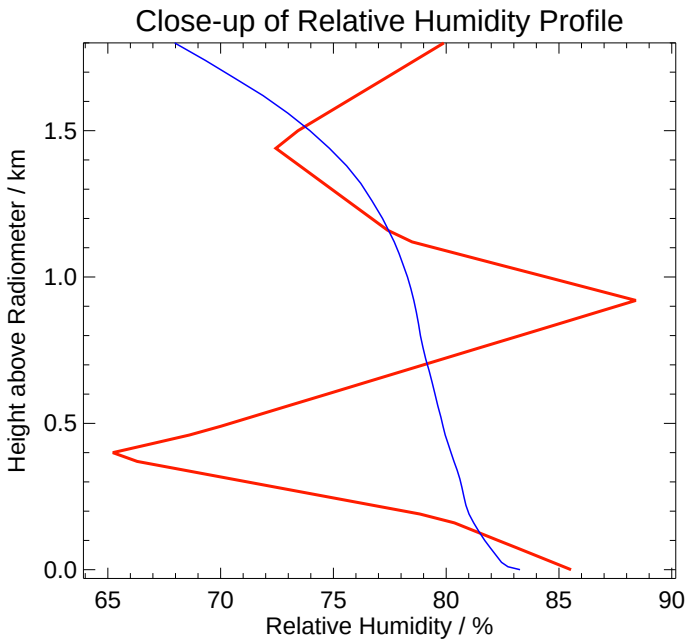

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

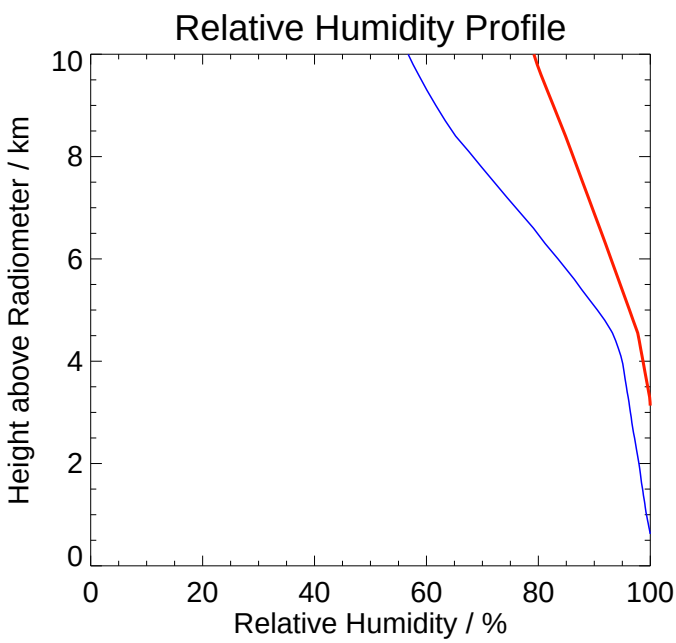

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

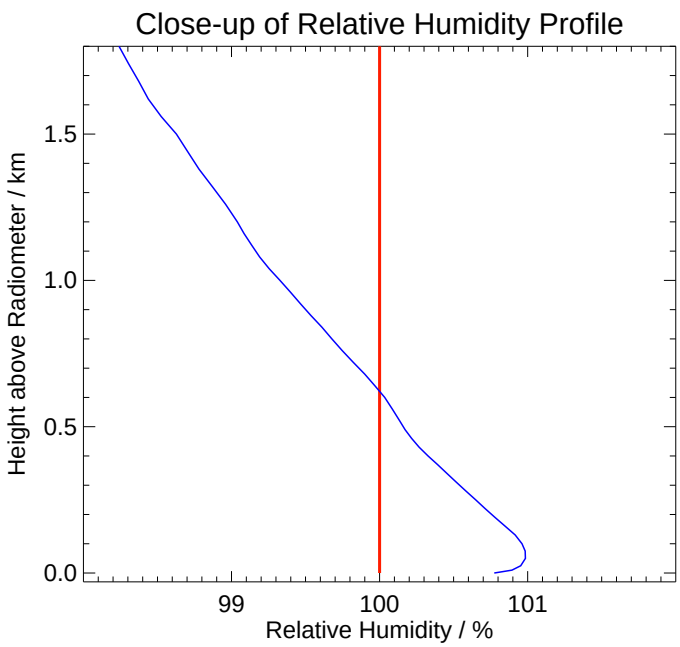

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

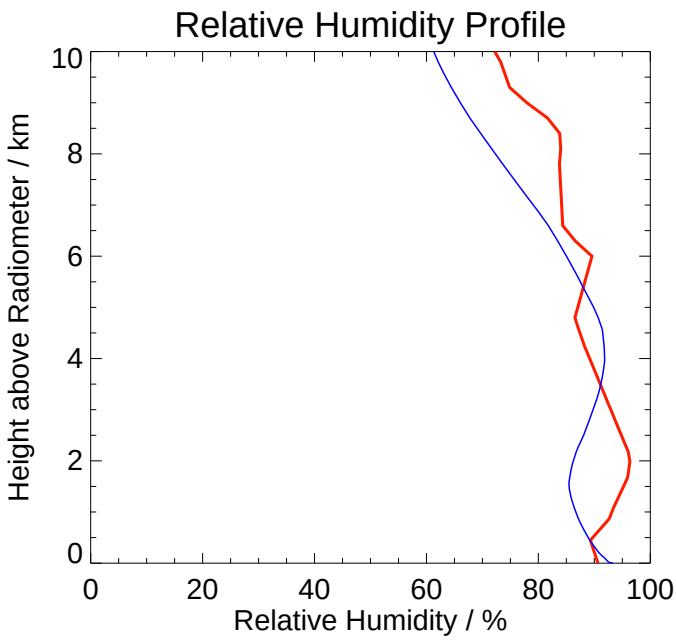

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75

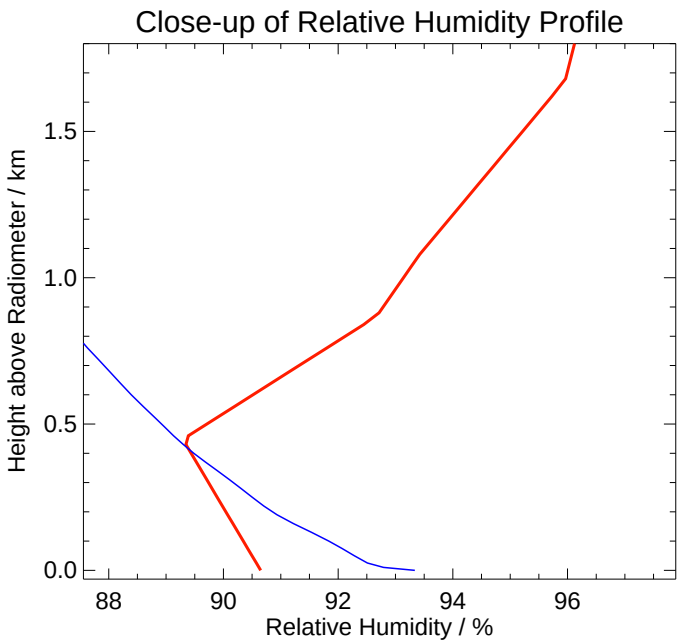

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

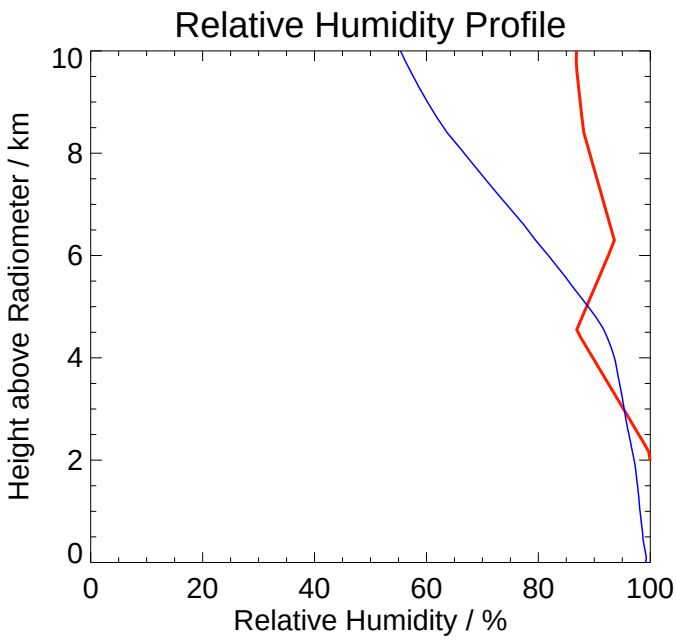

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85
90

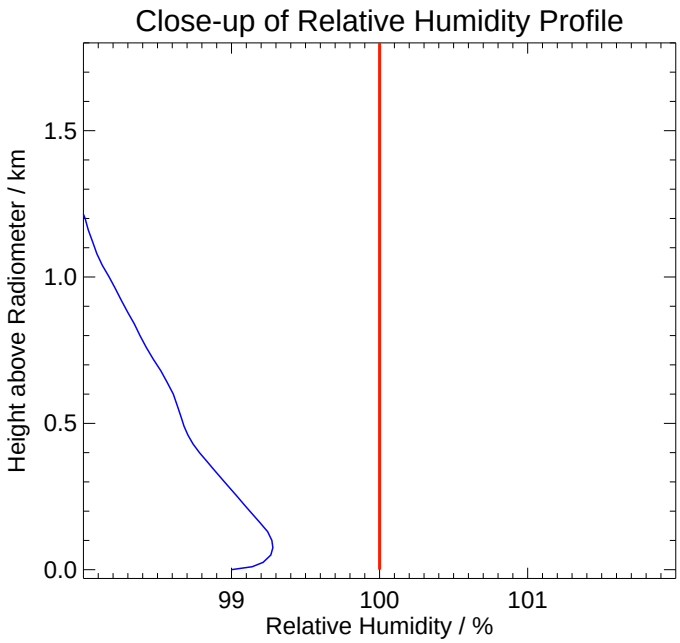

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

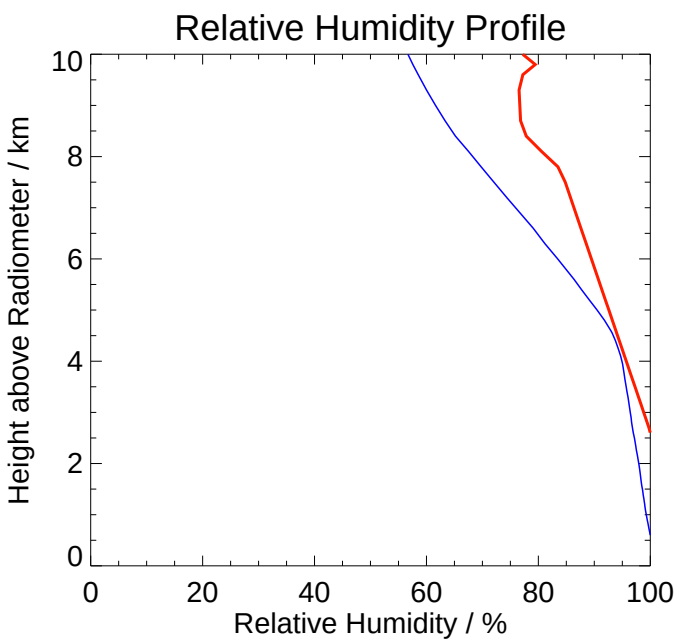

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

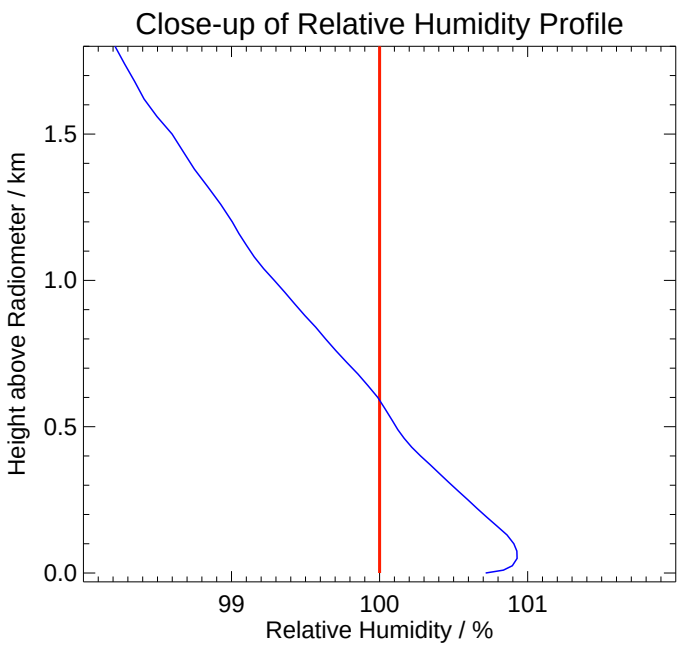

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

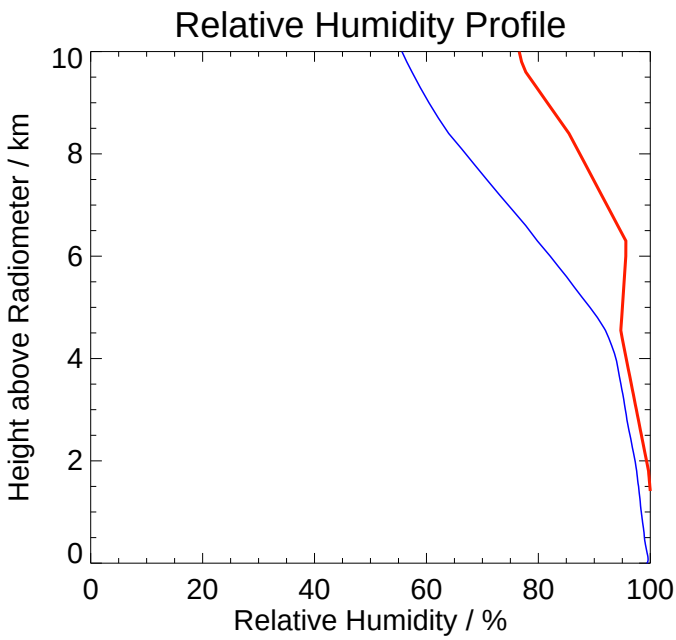

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96

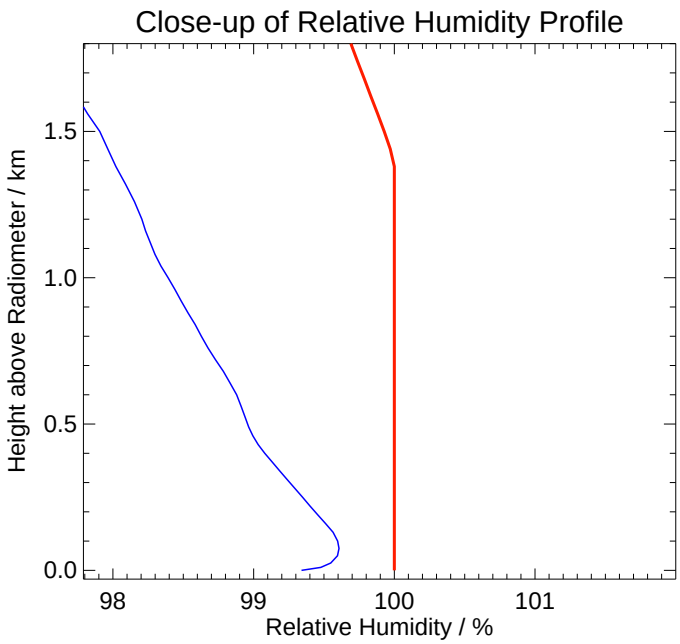

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

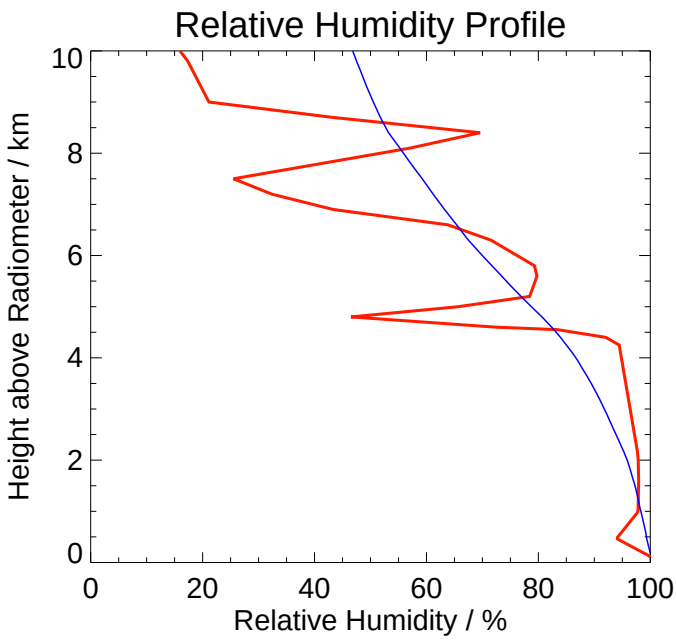

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

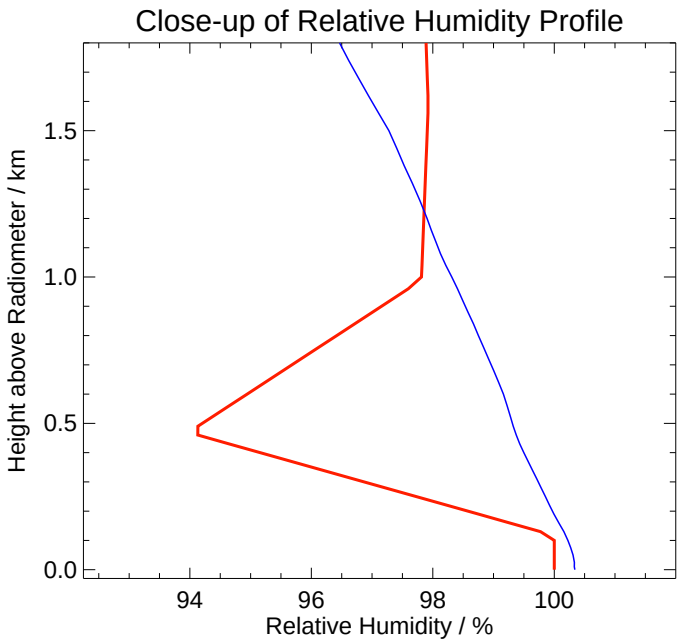

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

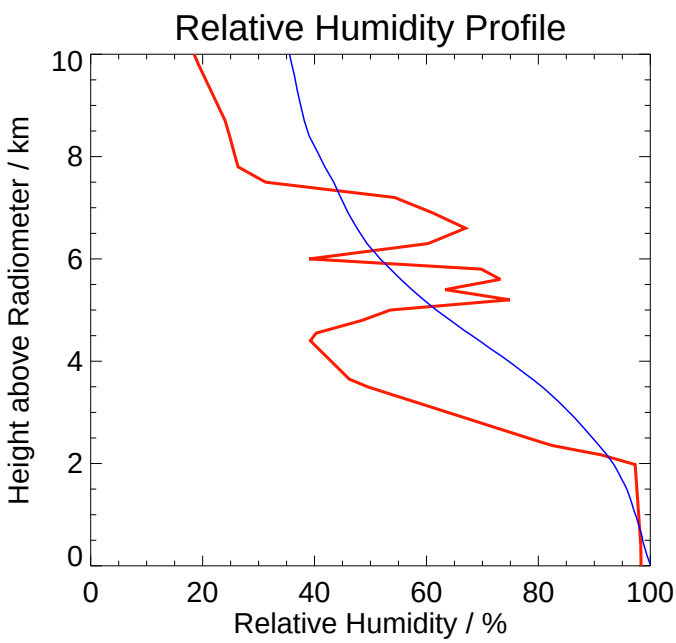

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

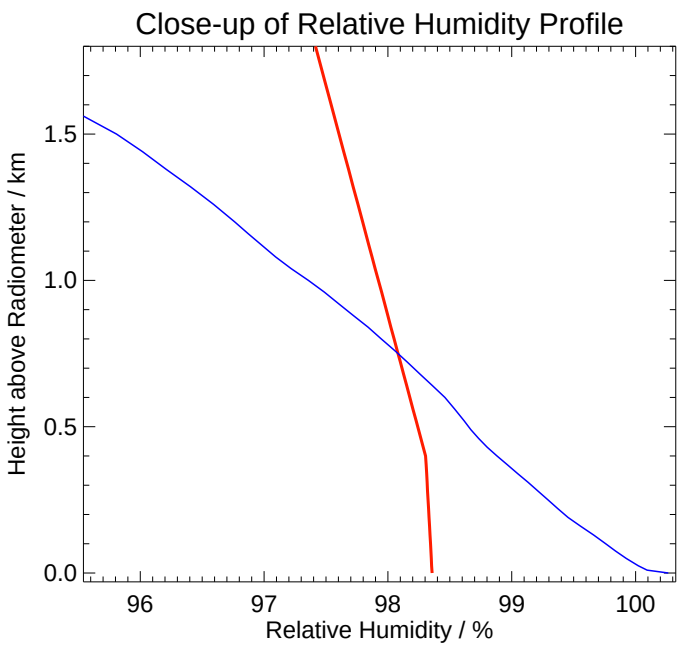

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

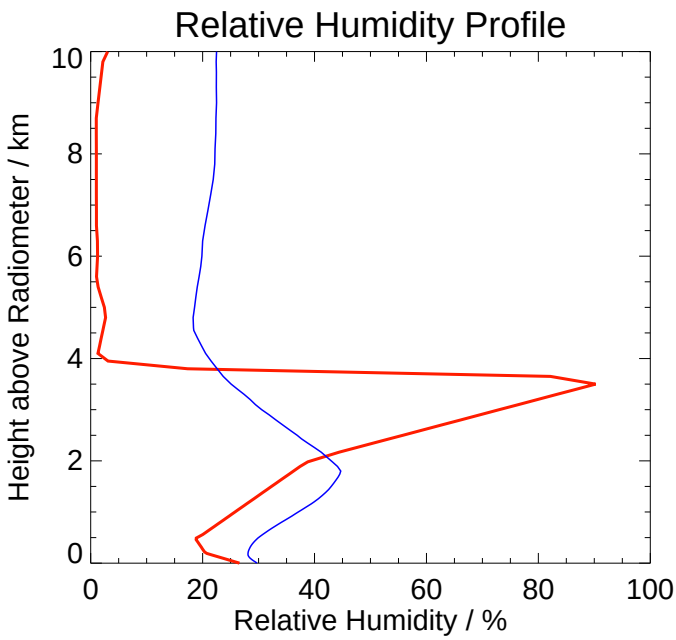

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

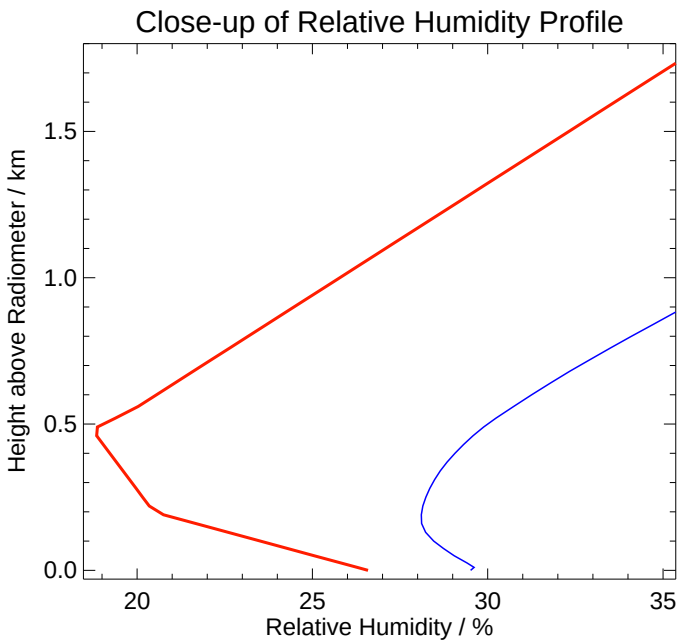

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

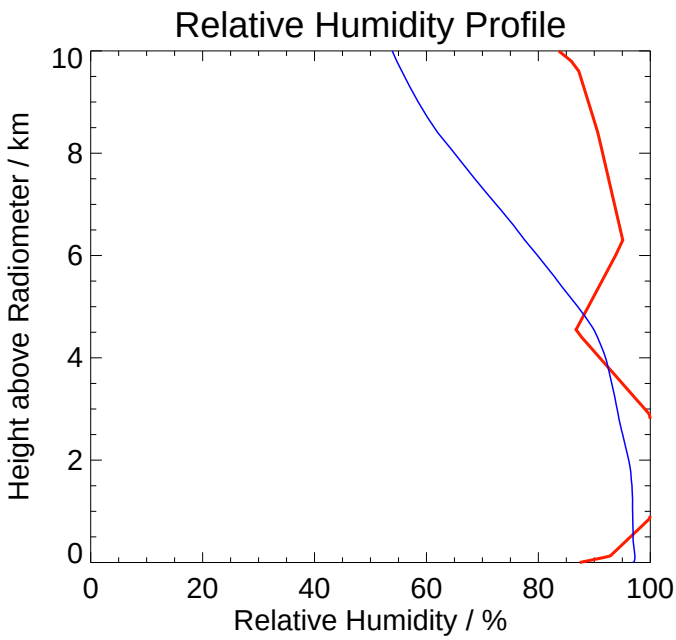

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

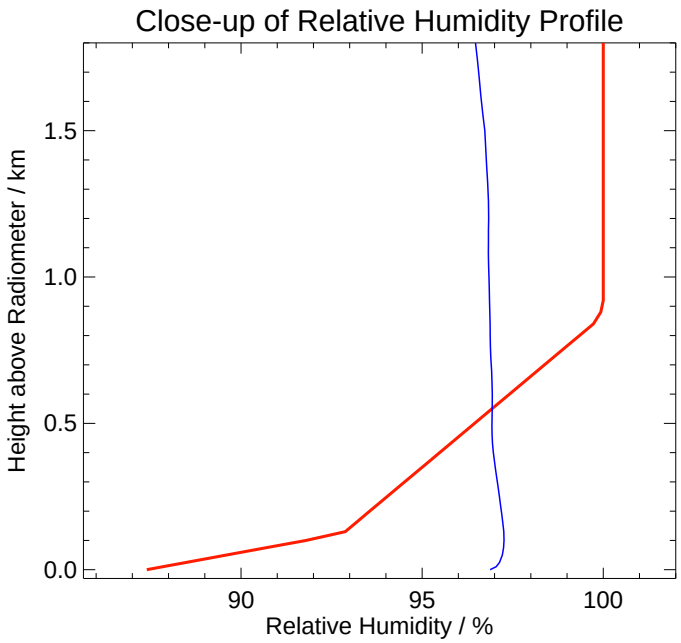

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

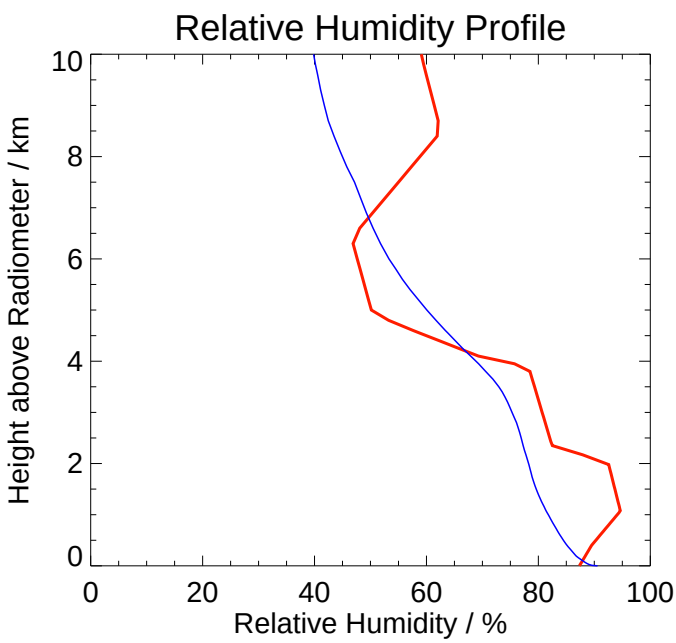

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100

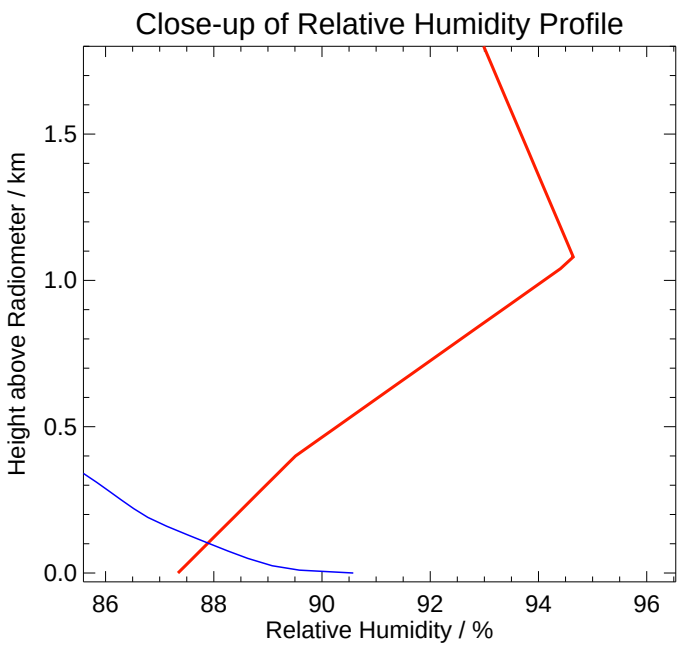

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

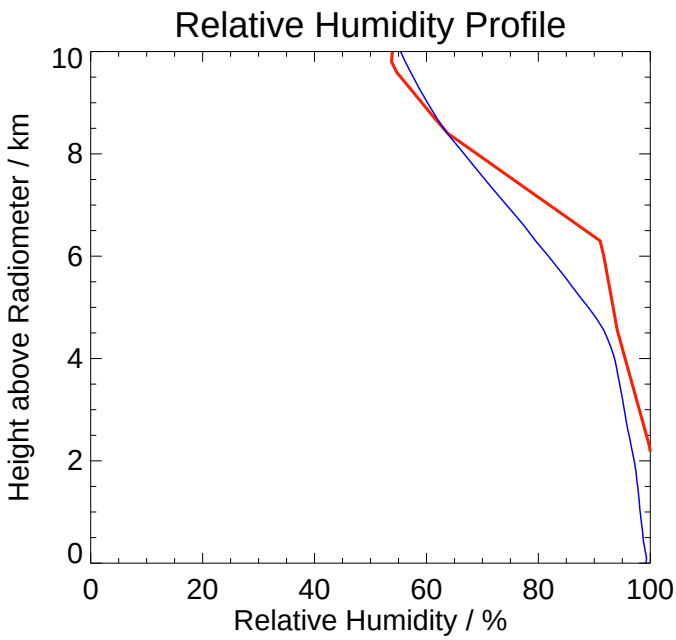

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
25
30
35

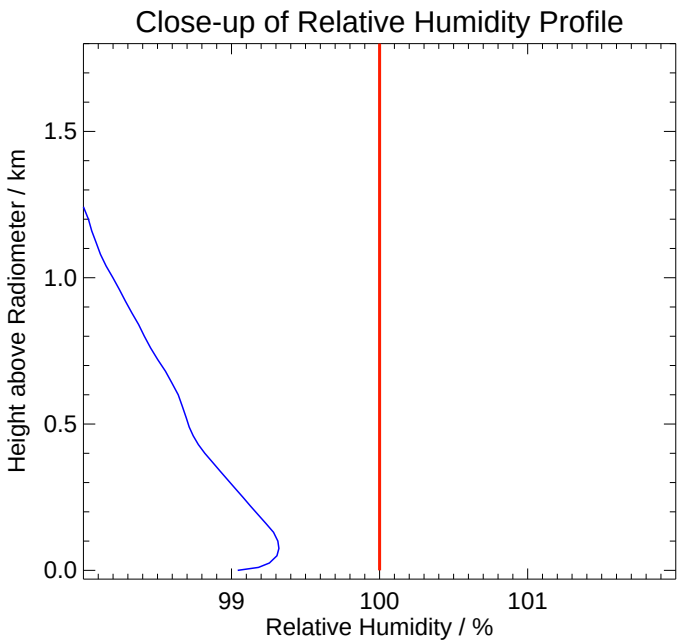

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

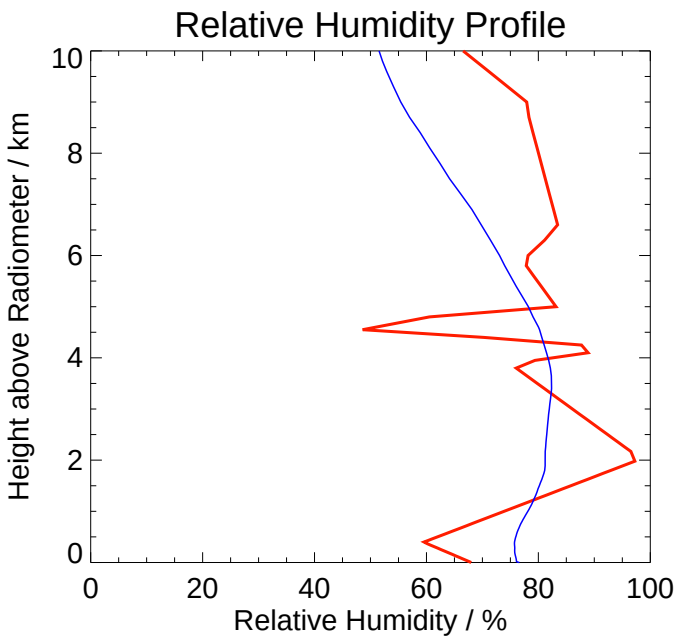

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
95
100

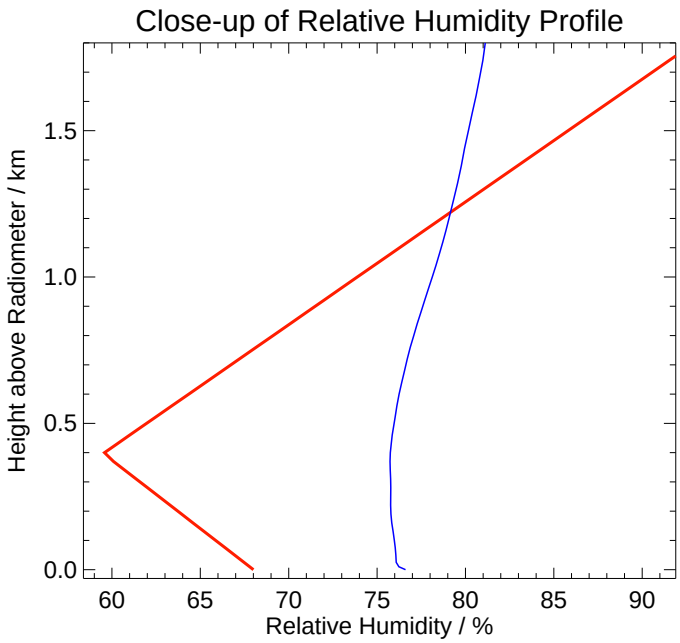

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

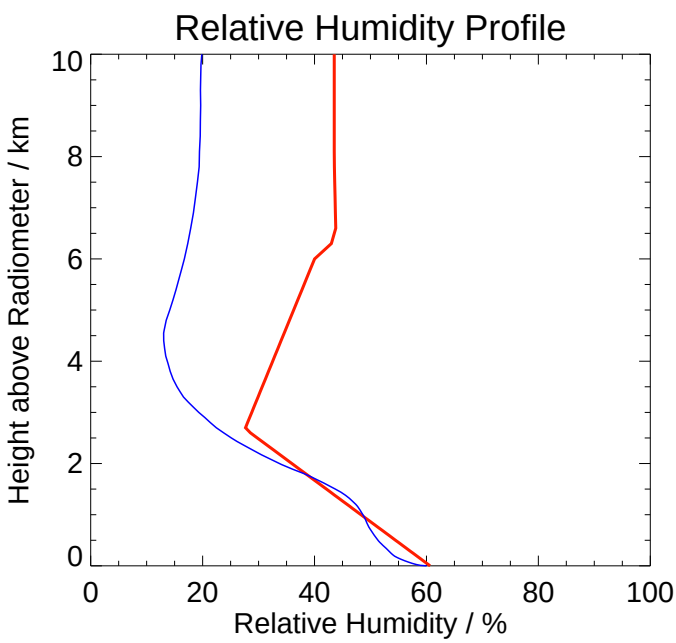

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96

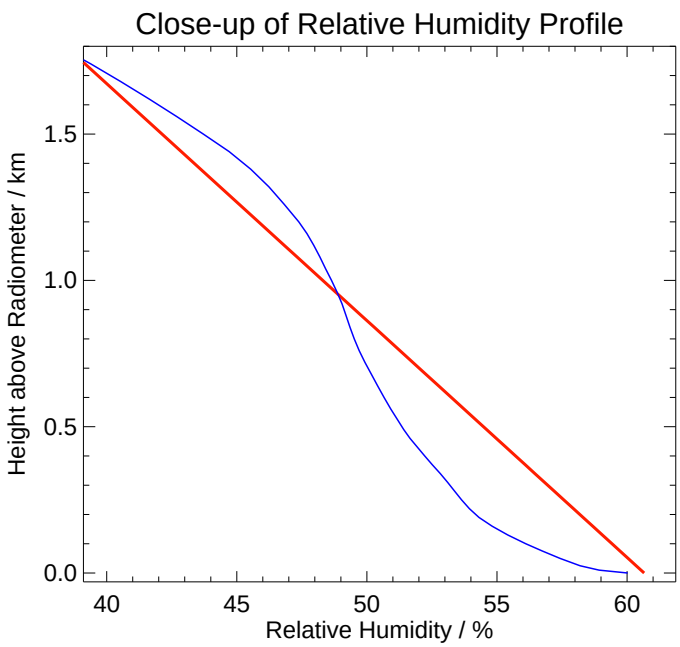

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

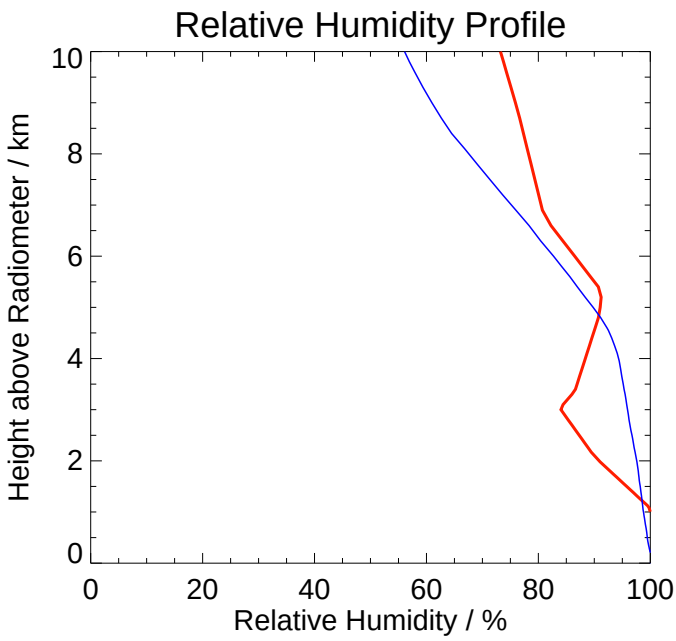

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

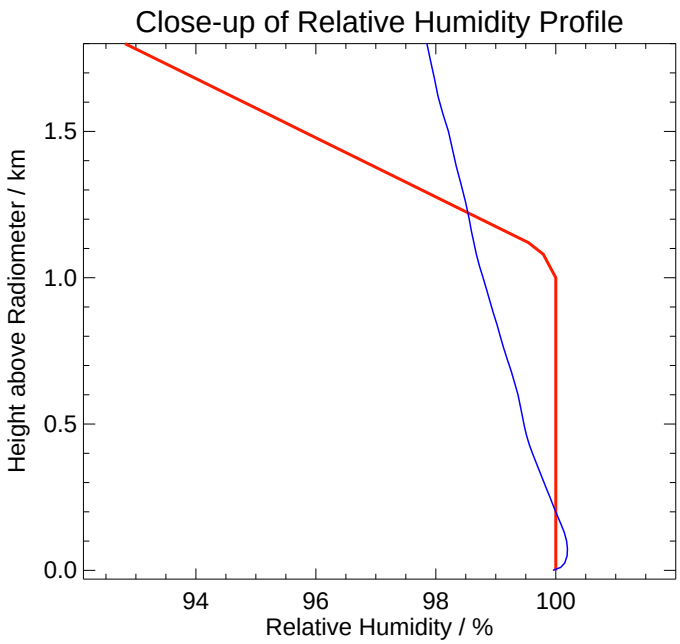

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

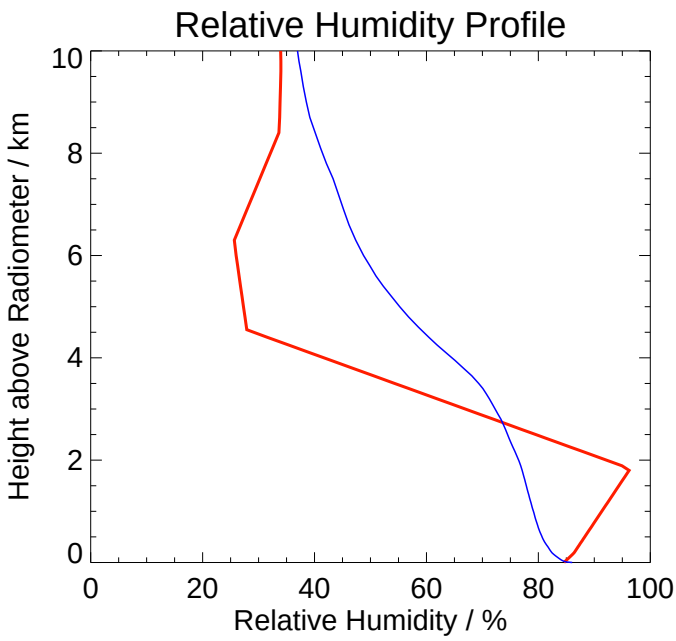

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85
90

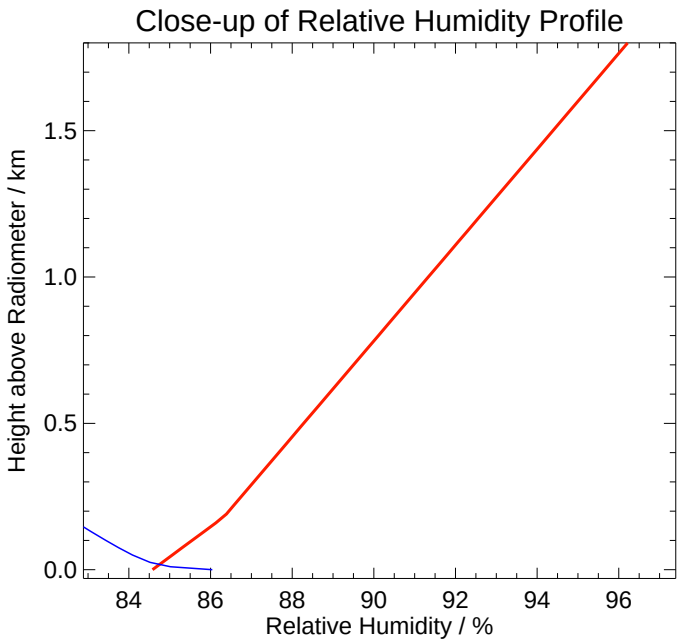

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

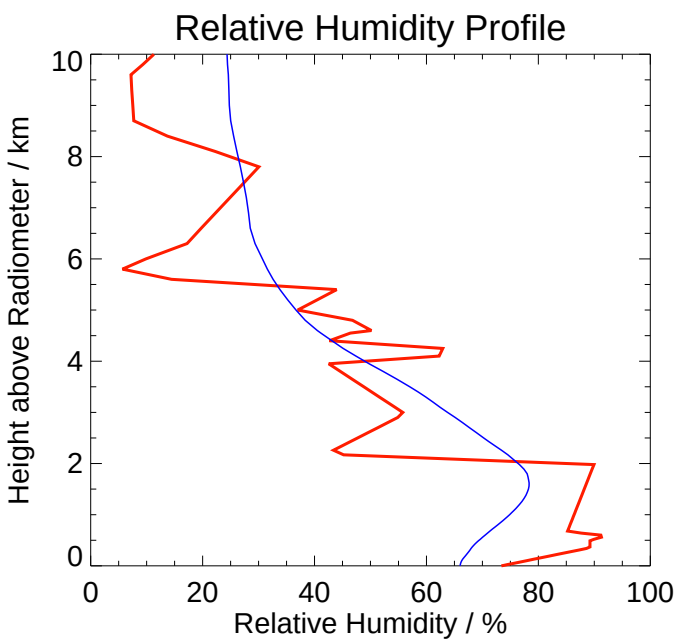

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60

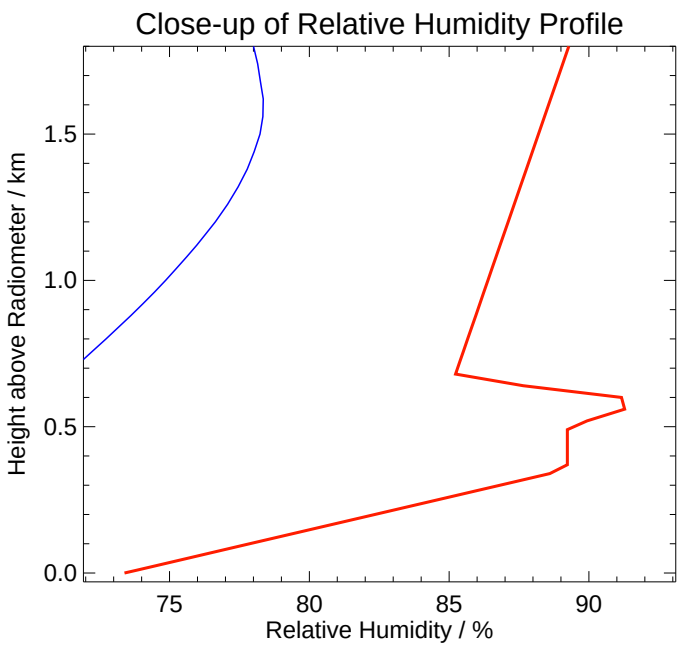

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

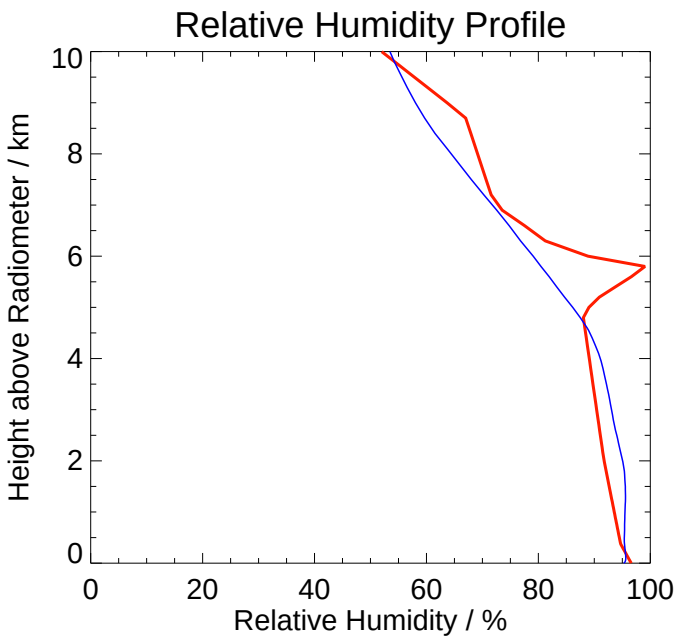

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

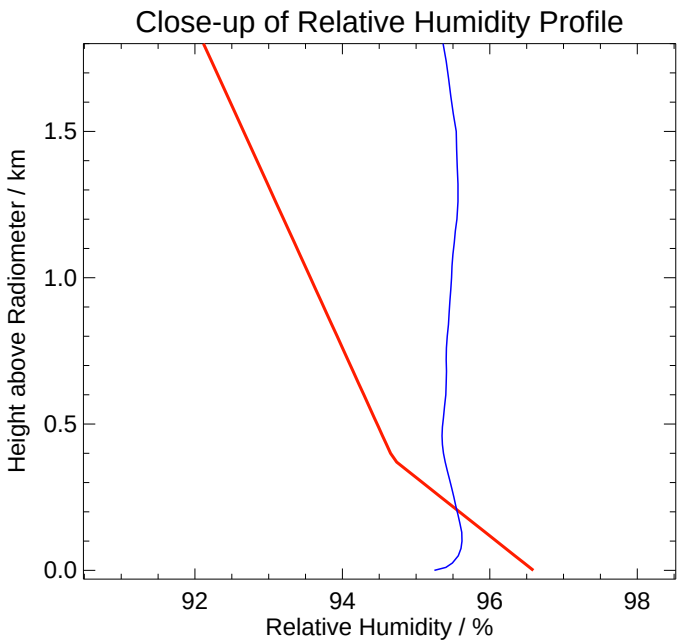

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

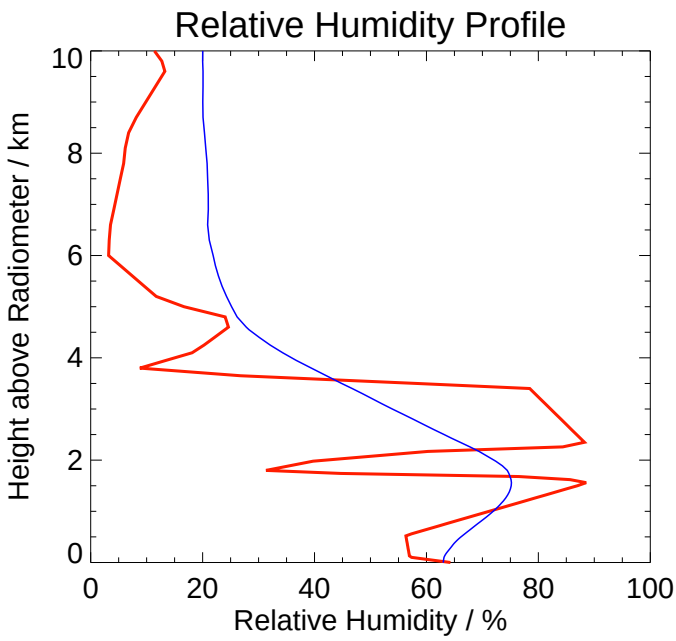

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
84
86
88
90
92
94
96

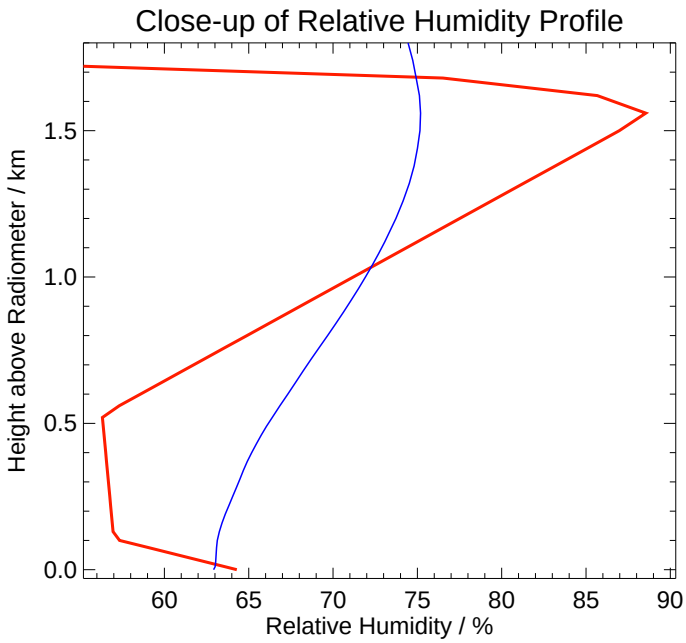

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

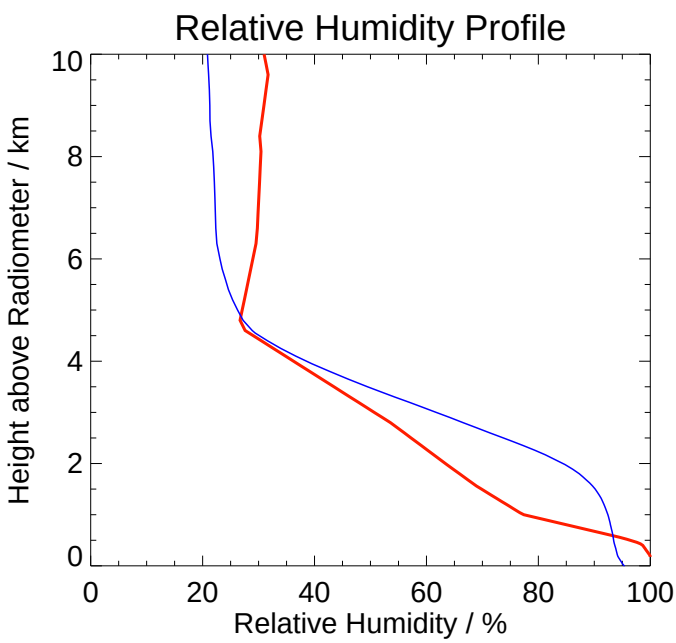

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

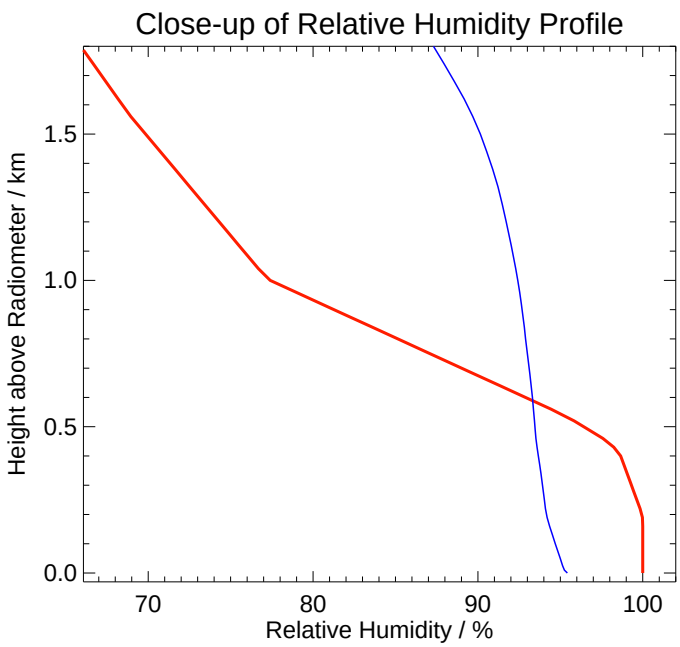

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

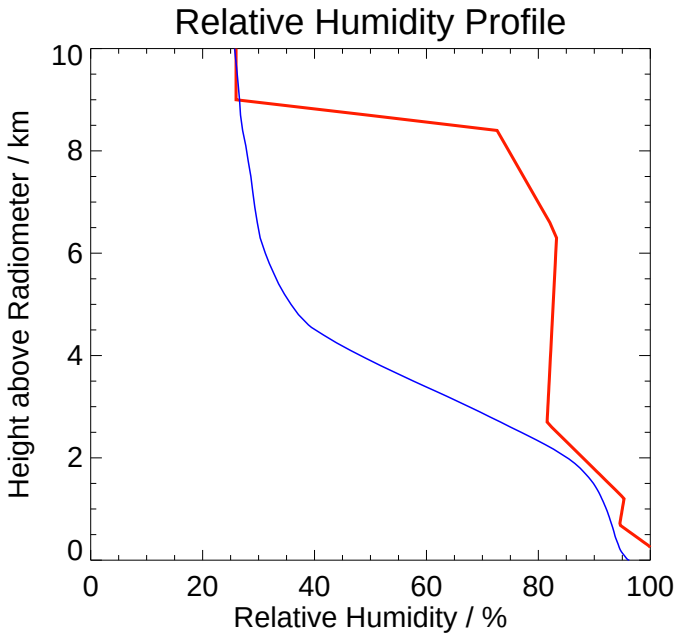

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
94
96
98

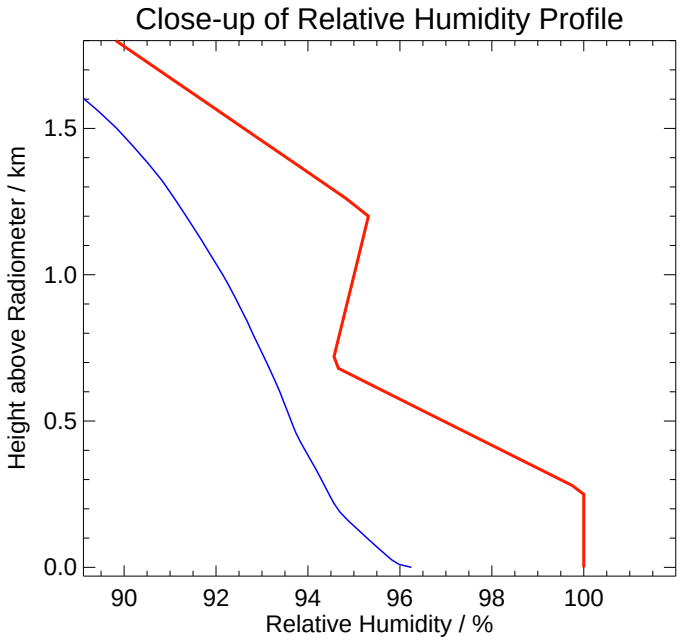

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

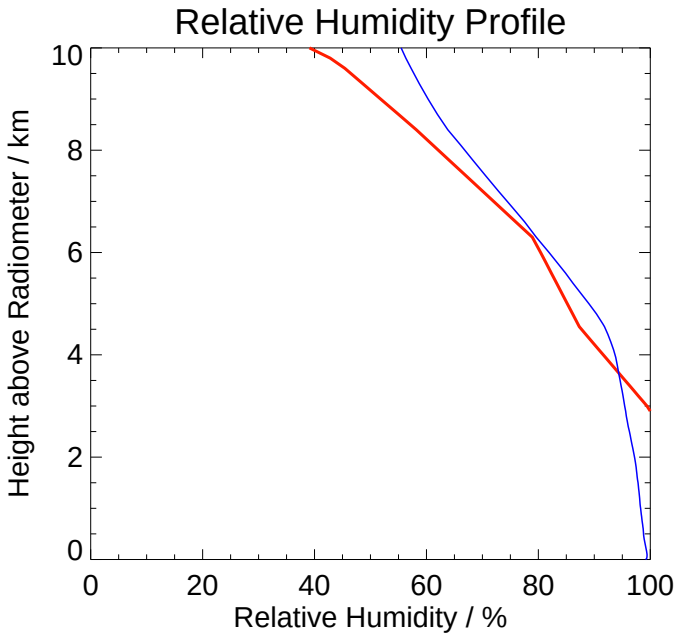

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85
90

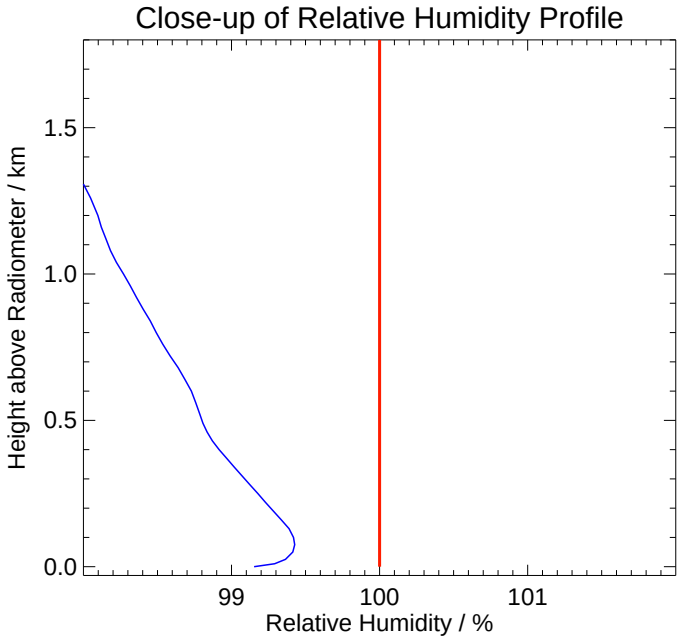

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

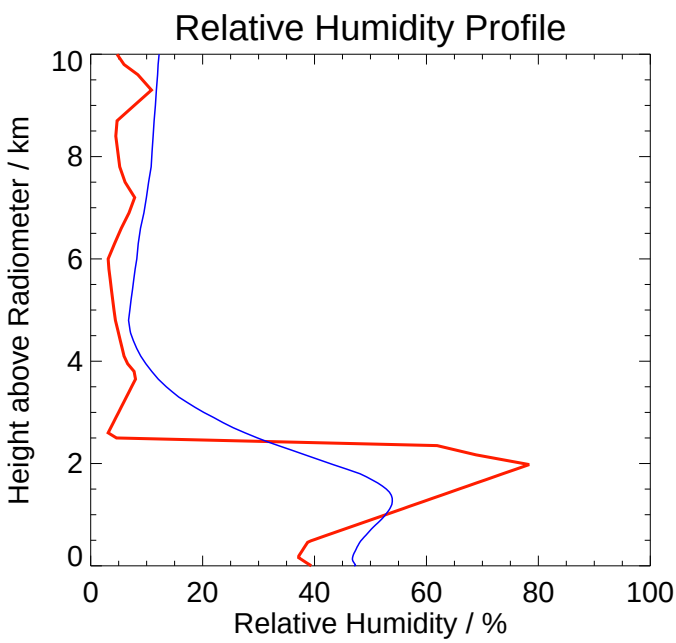

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90
100

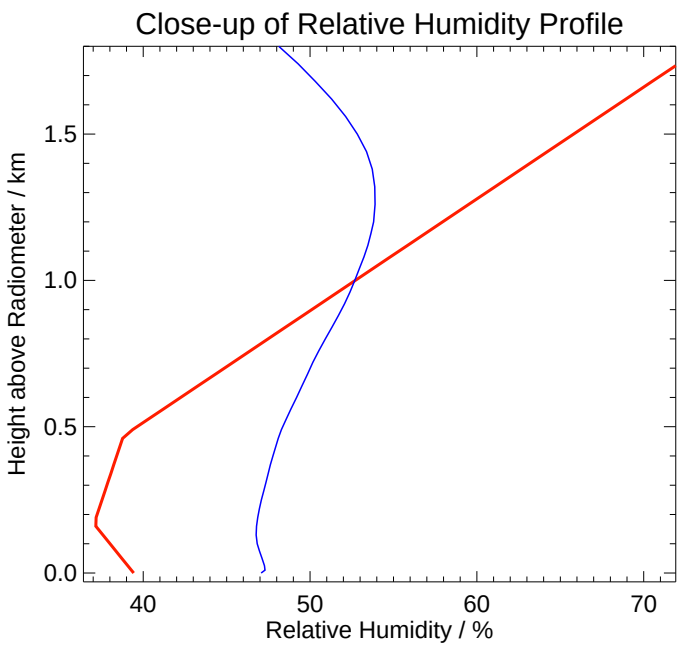

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

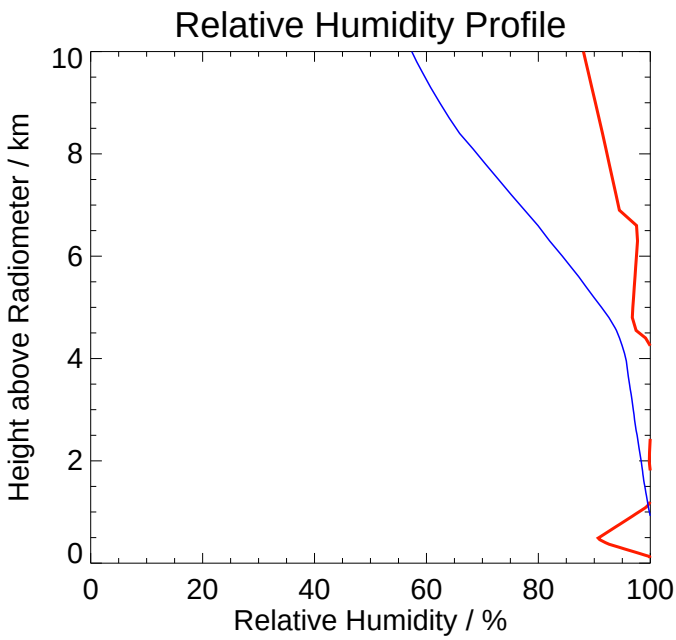

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98
100

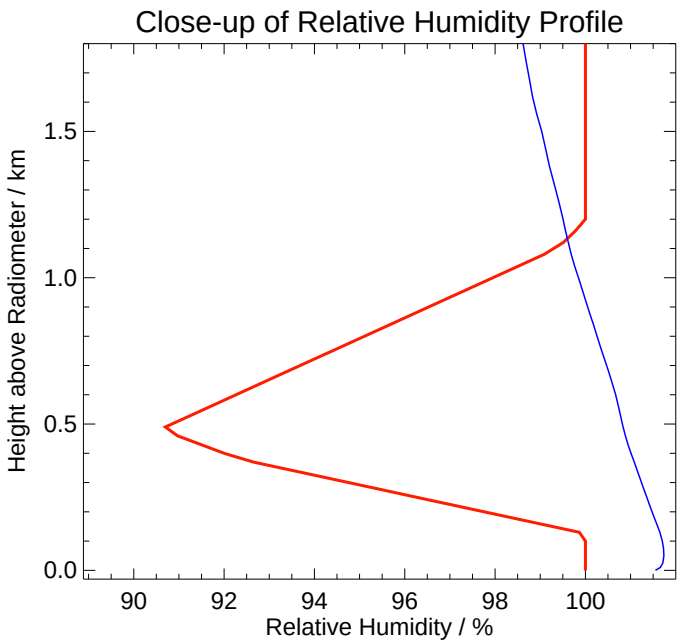

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

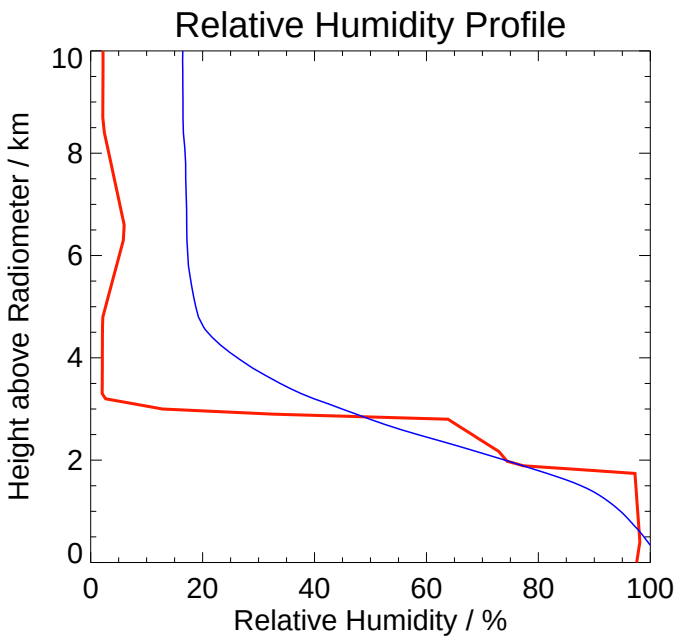

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

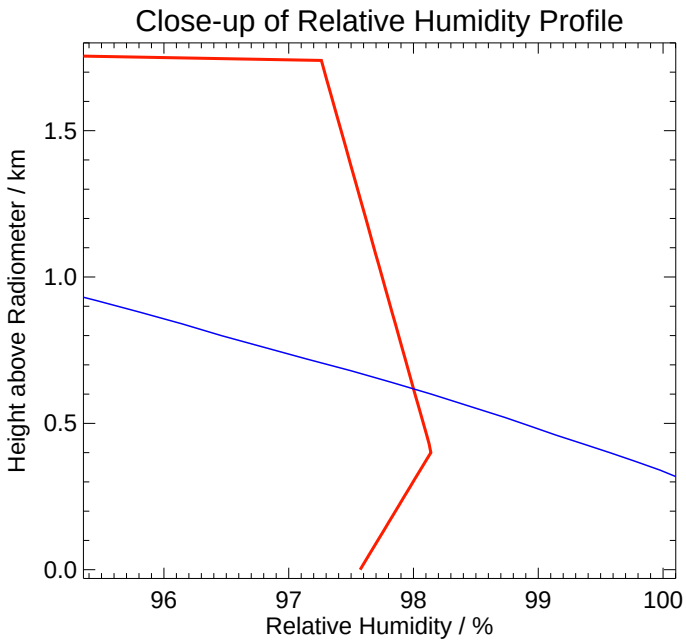

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

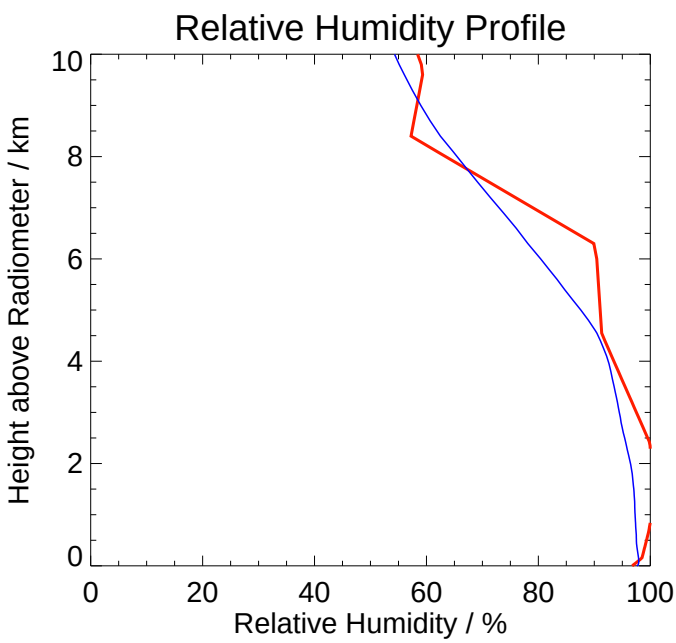

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70

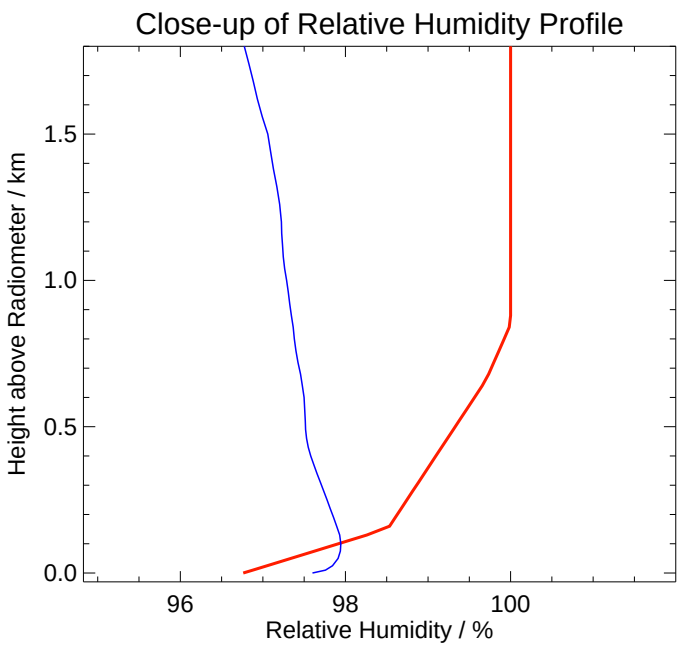

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

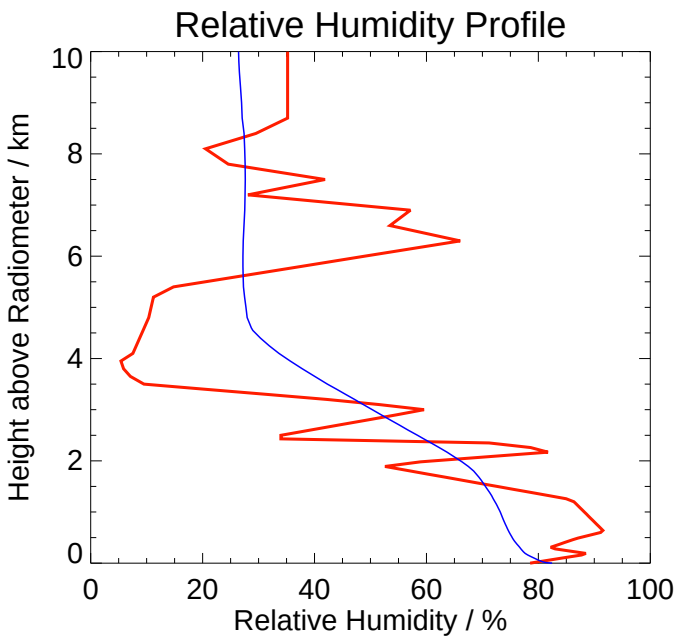

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98
100

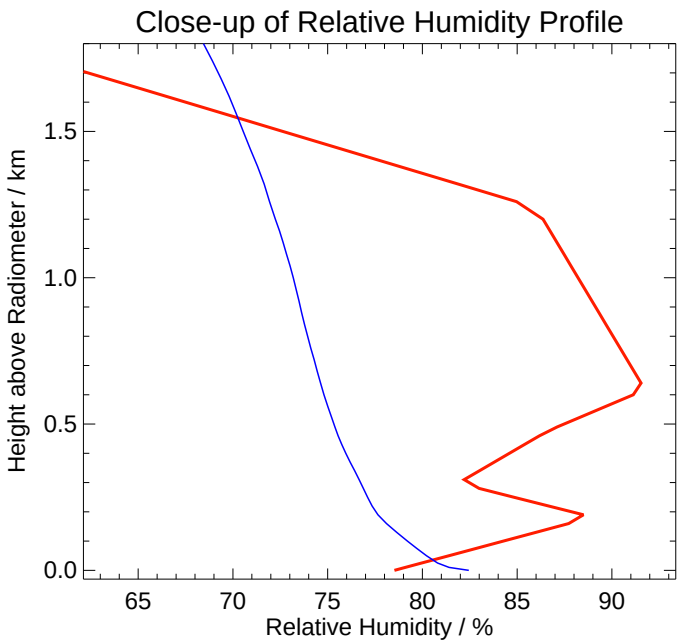

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

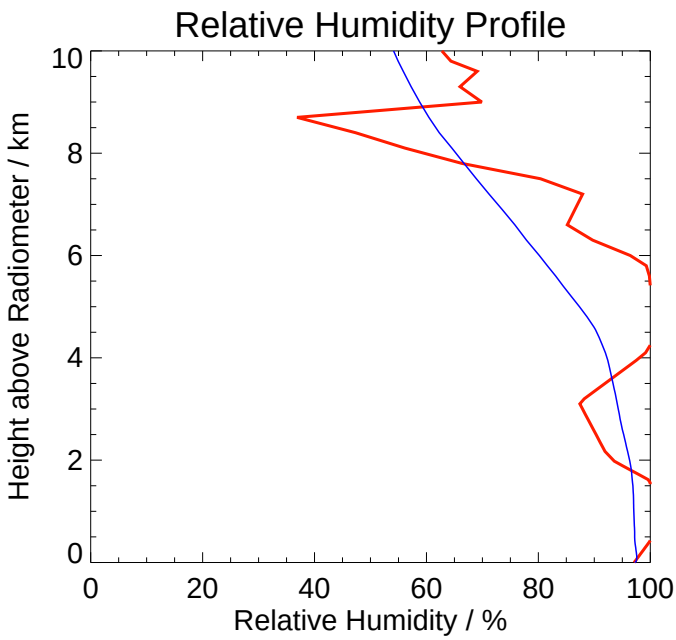

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100

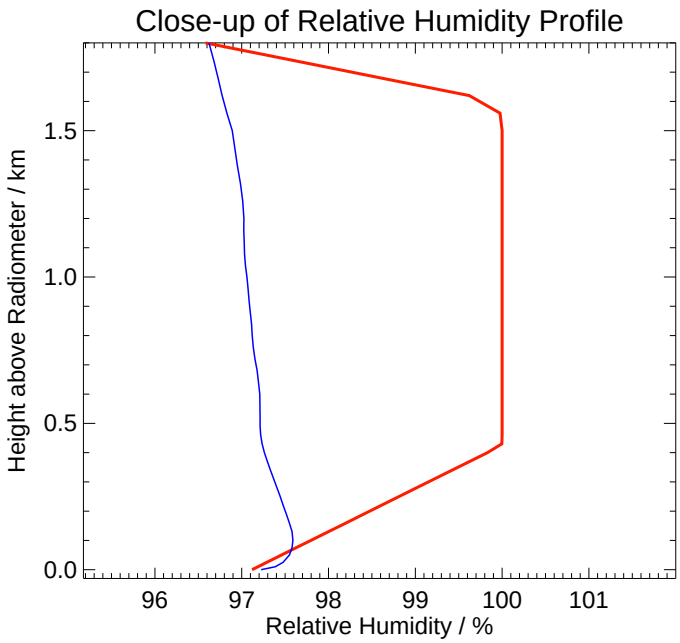

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

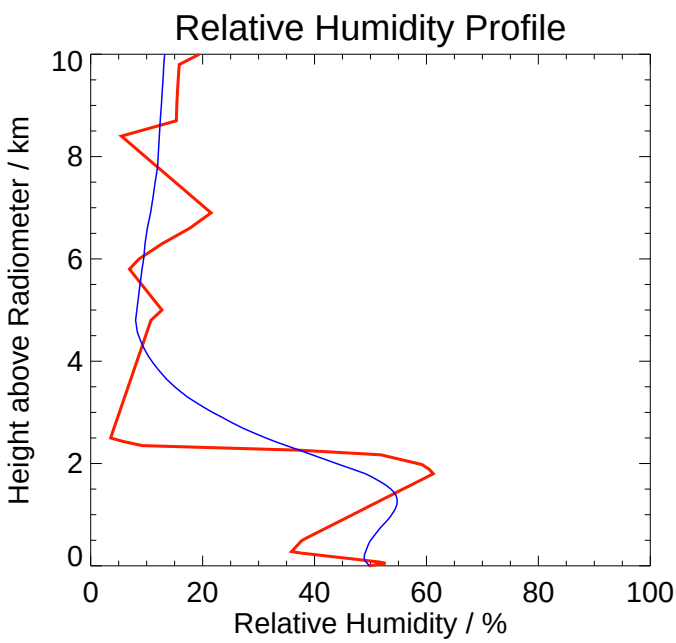

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

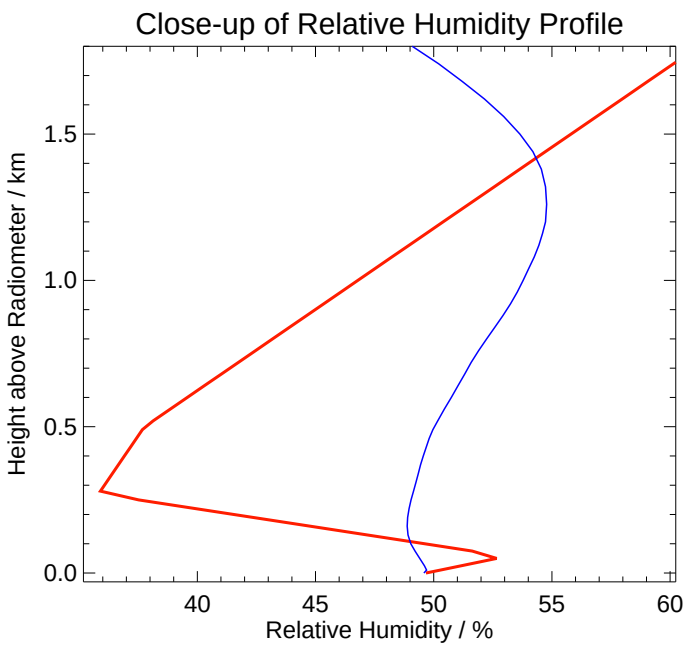

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

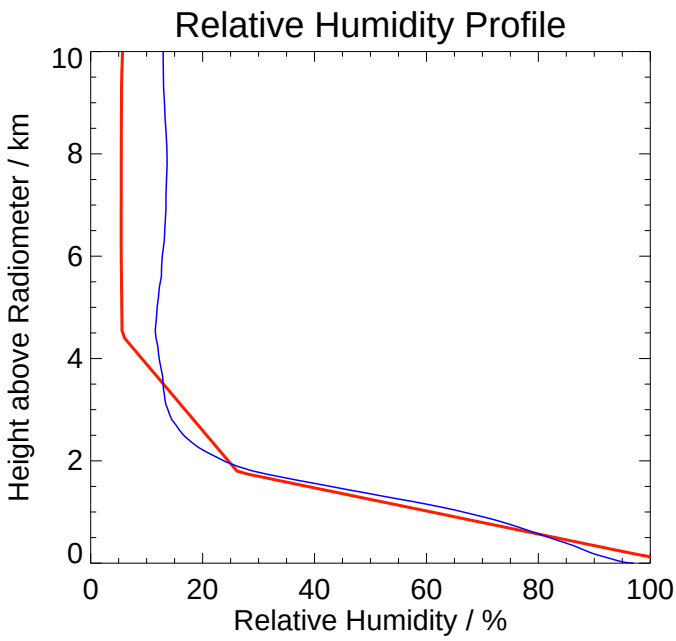

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85
90

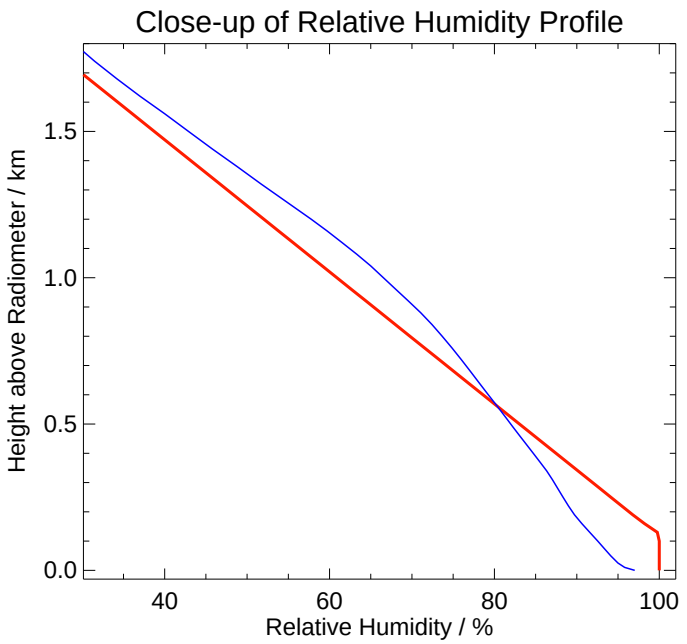

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

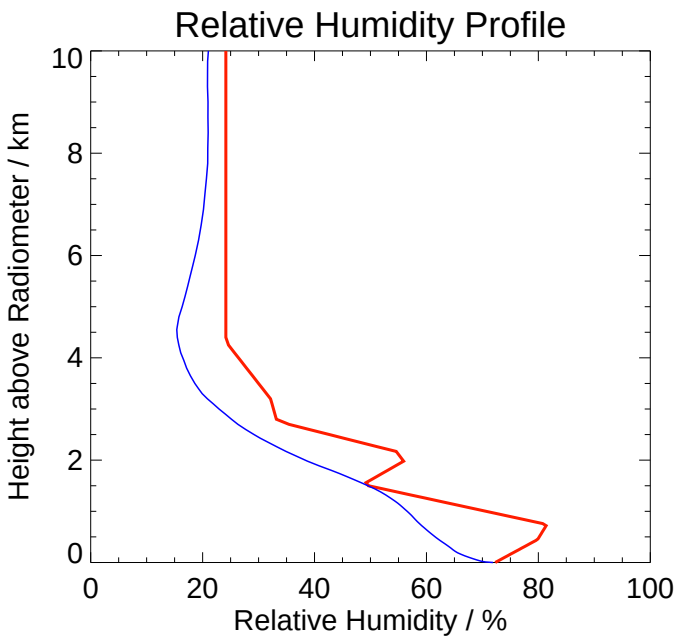

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

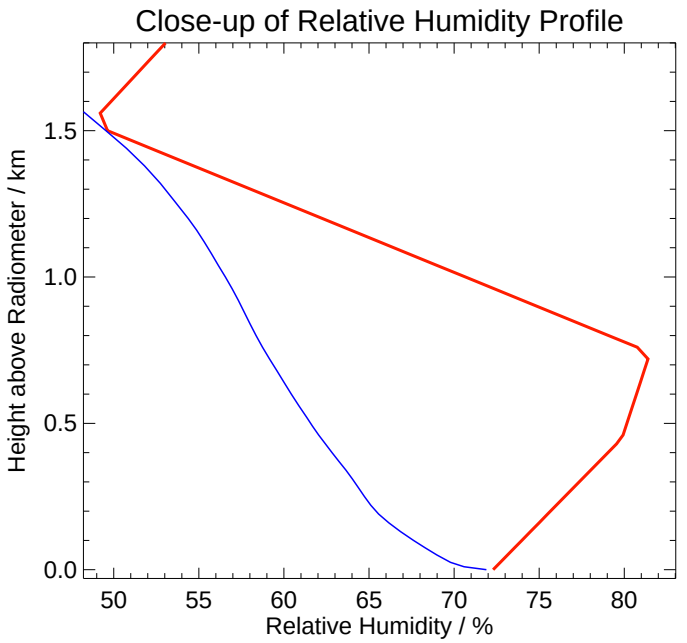

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

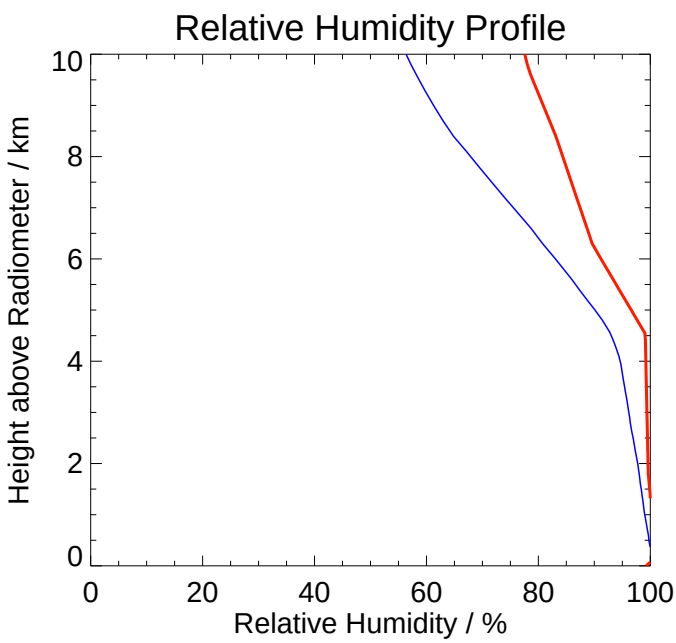

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60

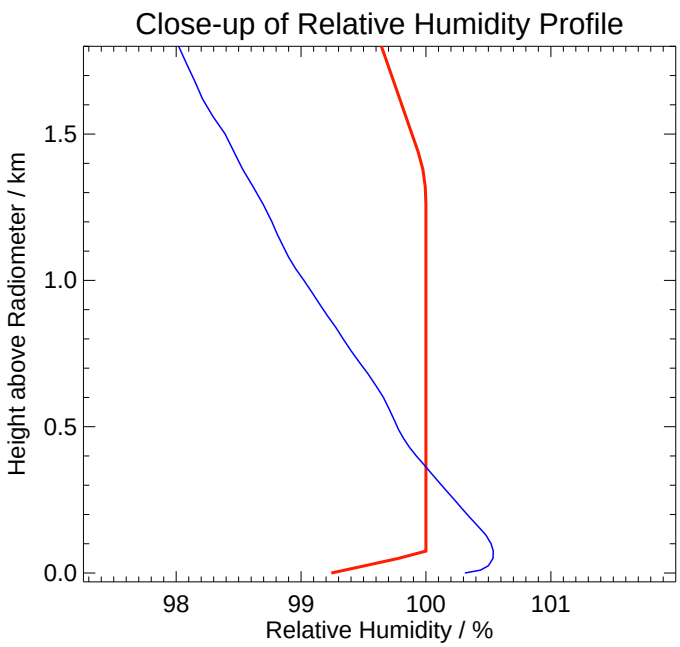

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

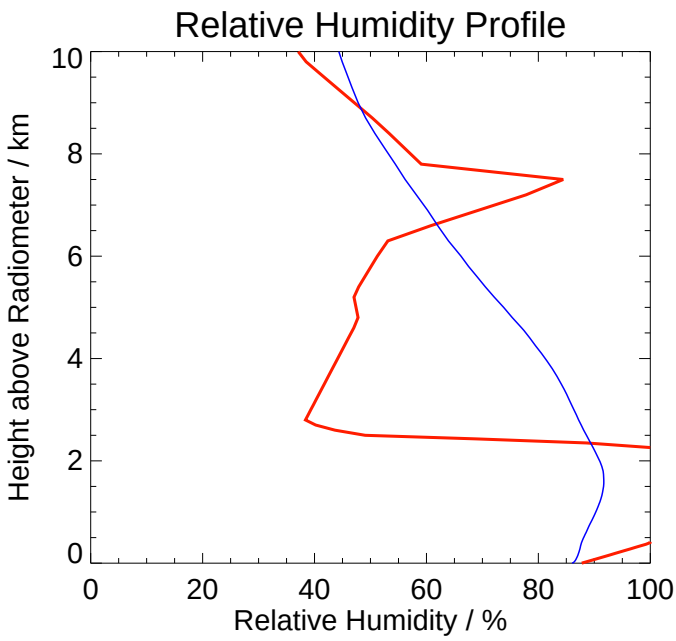

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
60
80
100

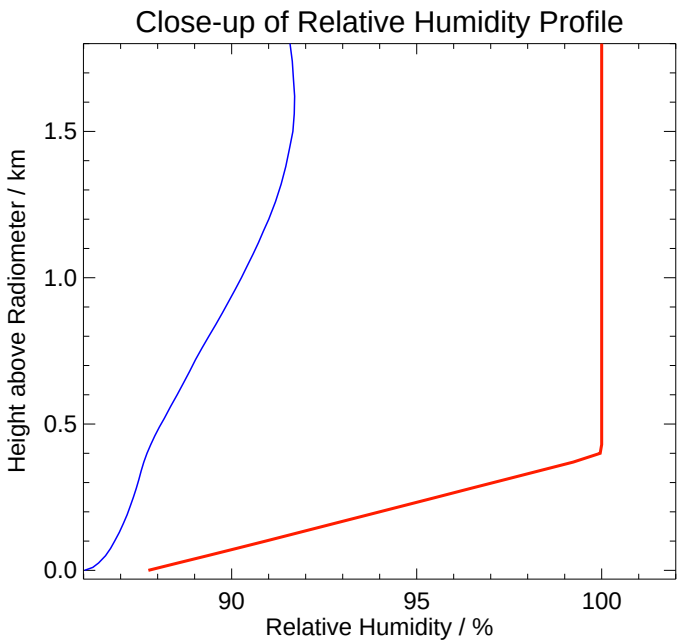

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

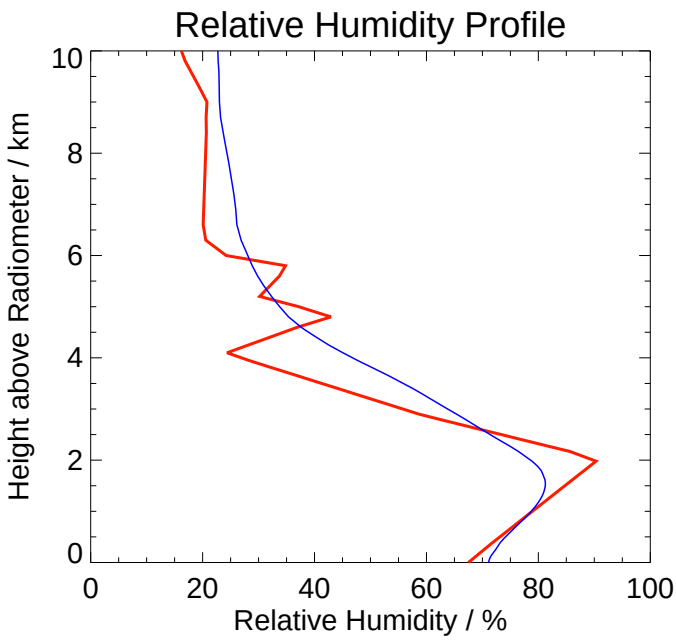

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
55
60
65
70
75
80

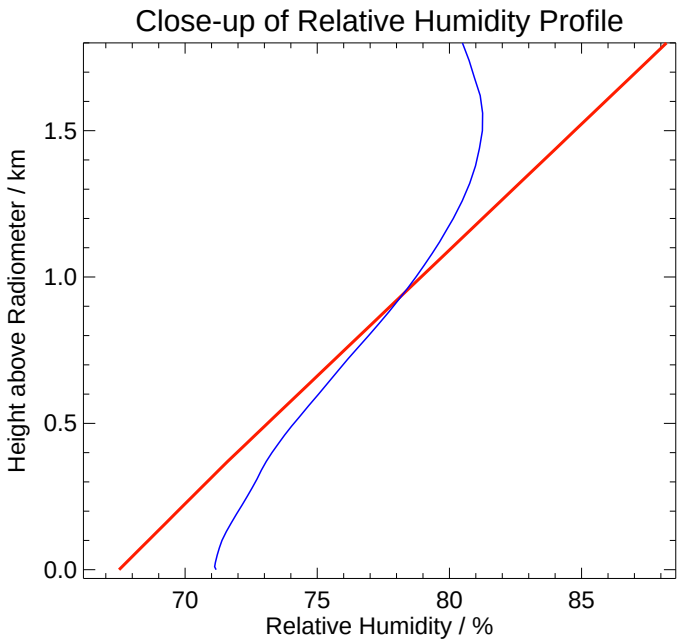

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

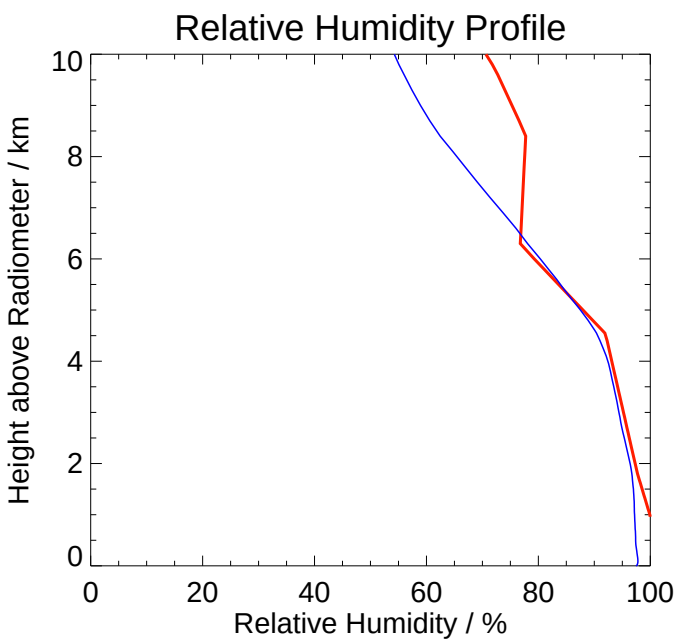

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

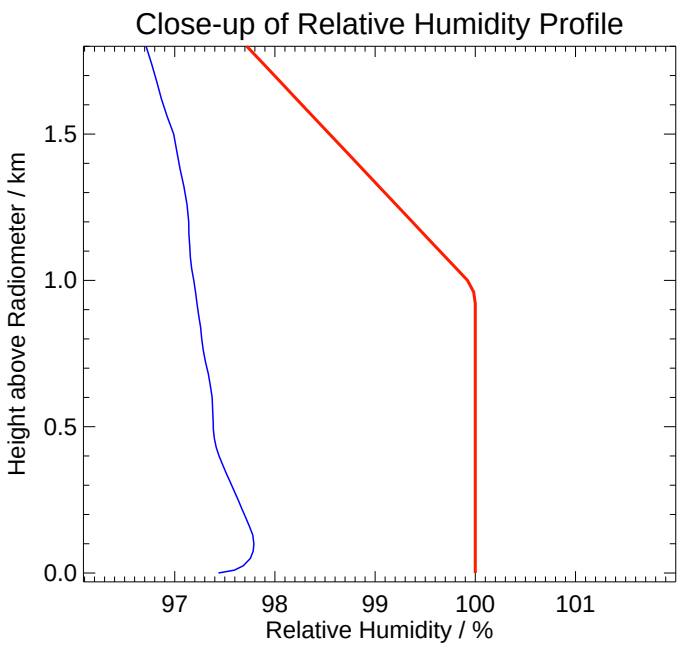

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

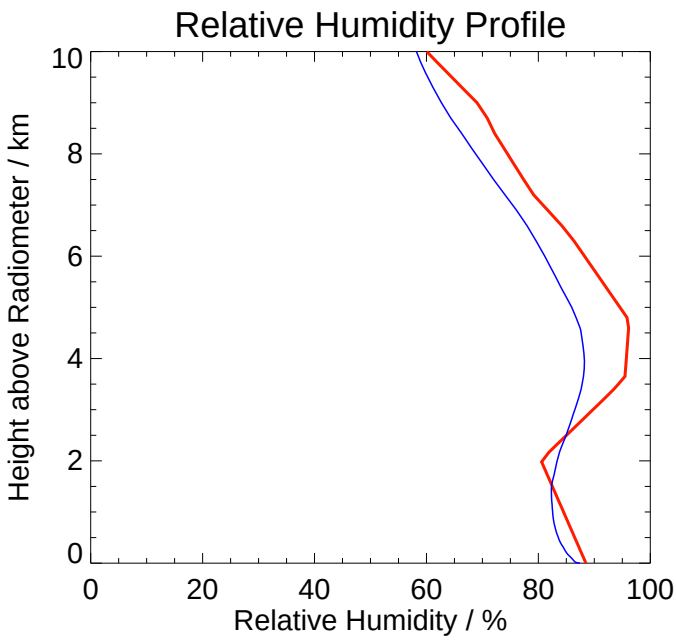

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
95
100

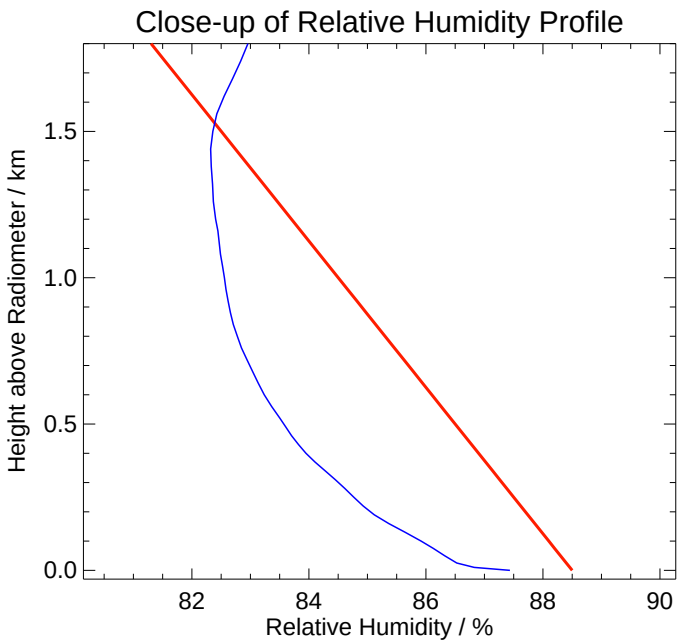

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

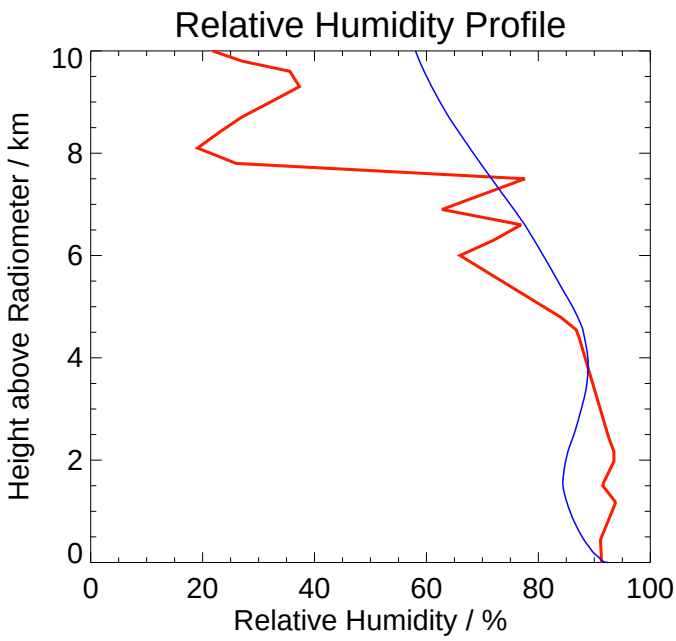

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85

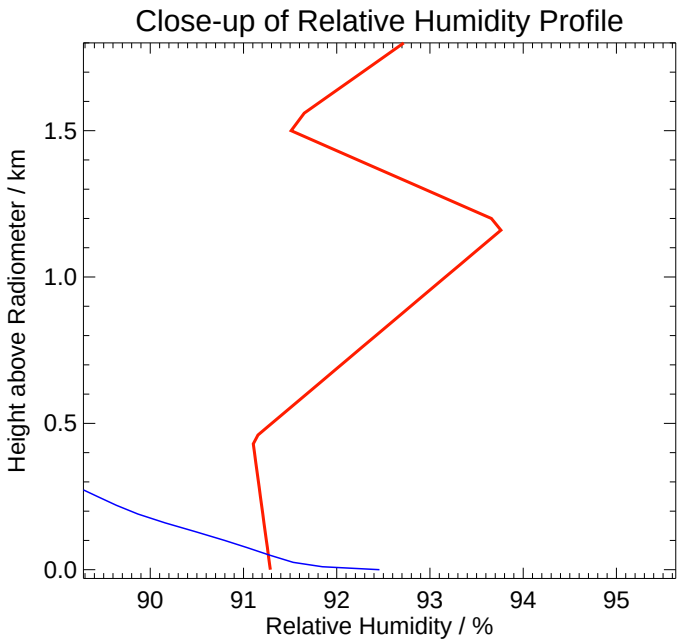

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

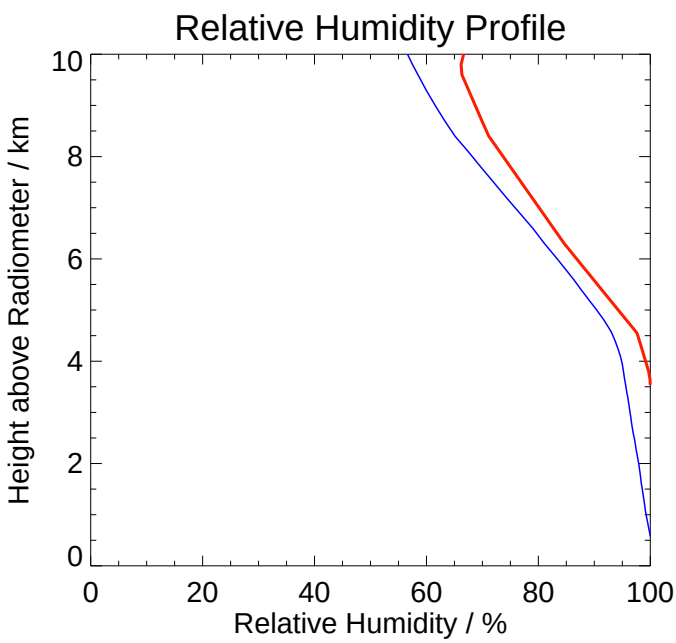

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

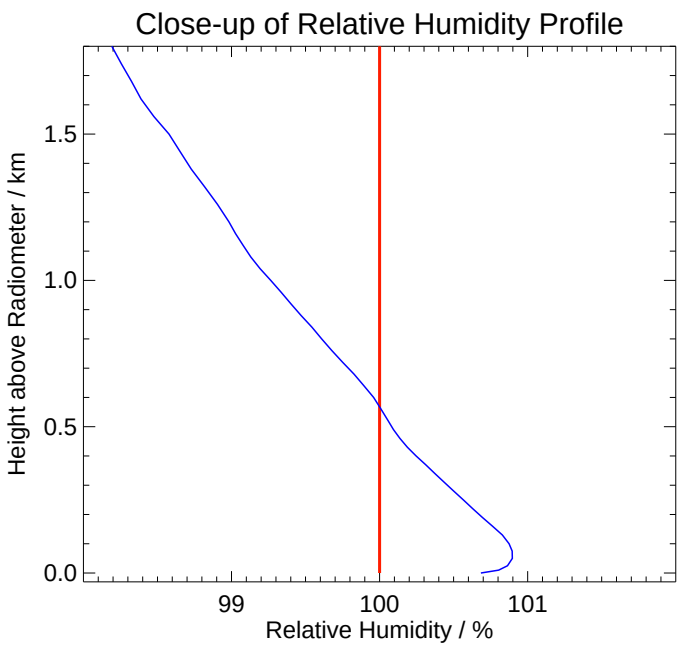

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

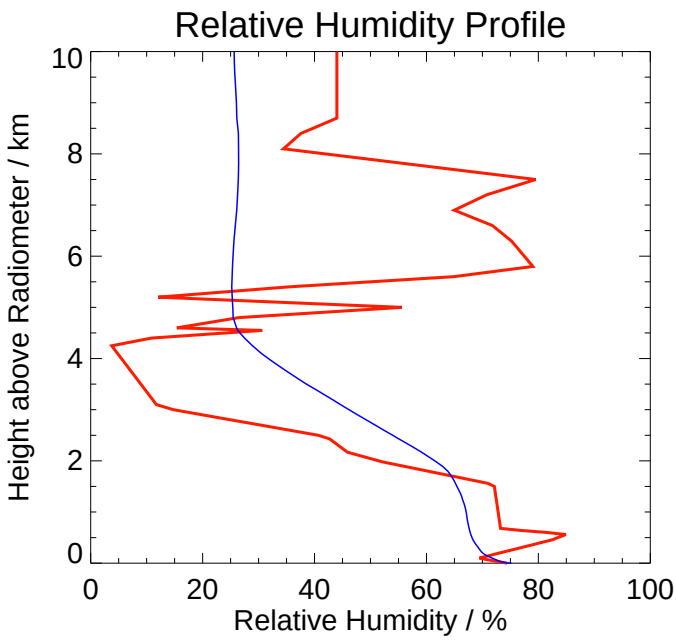

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
82
84
86
88
90

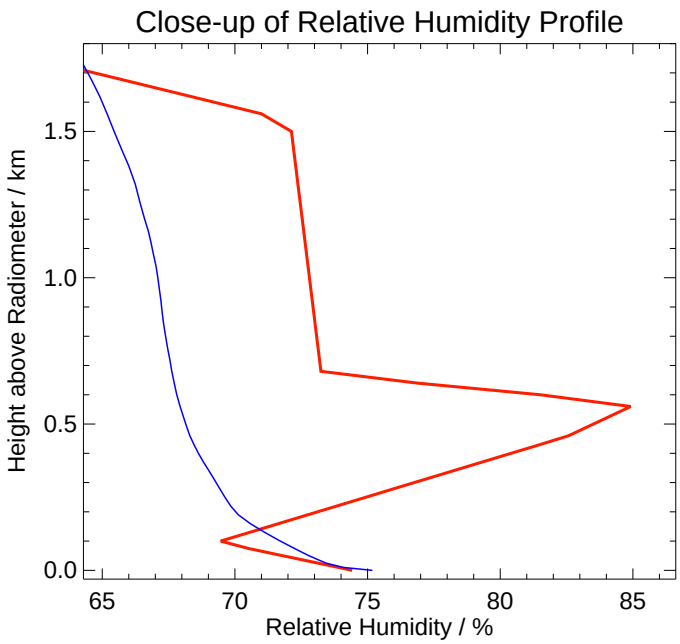

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

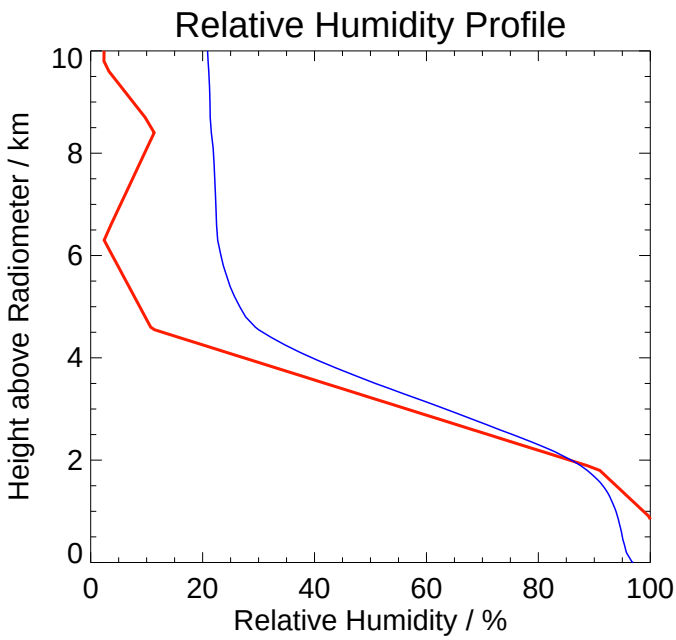

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
91
92
93
94
95

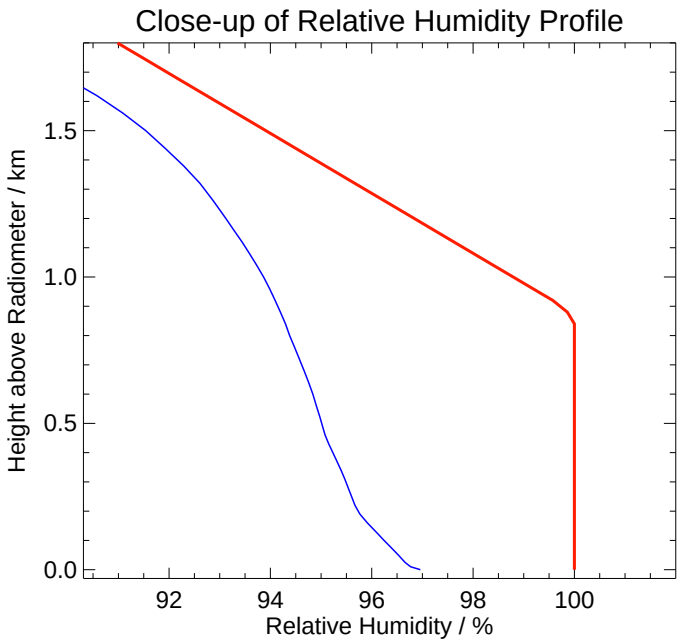

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

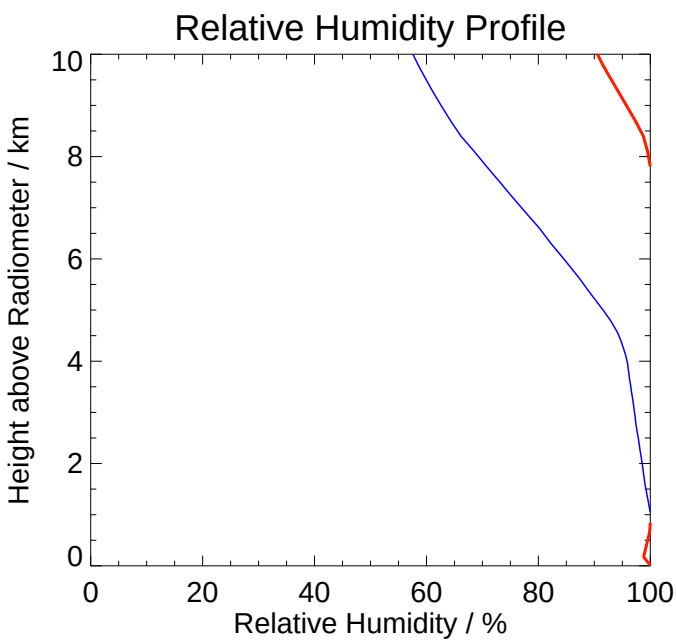

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

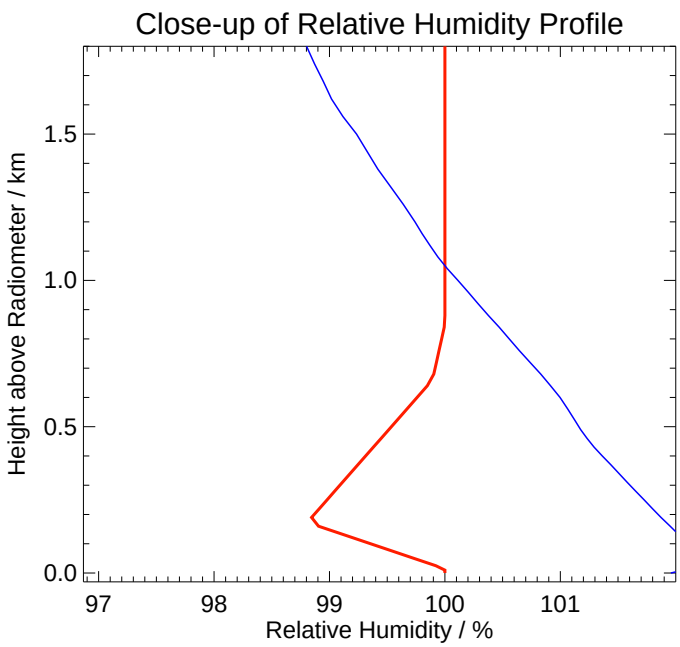

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

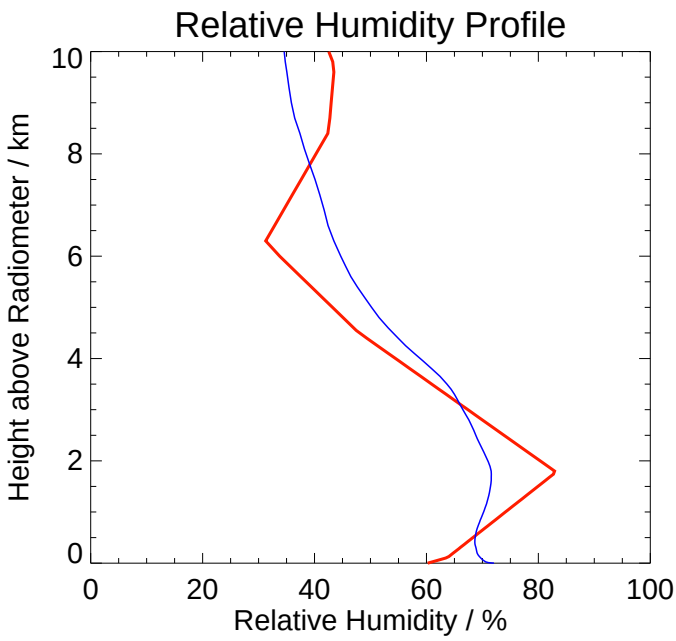

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85

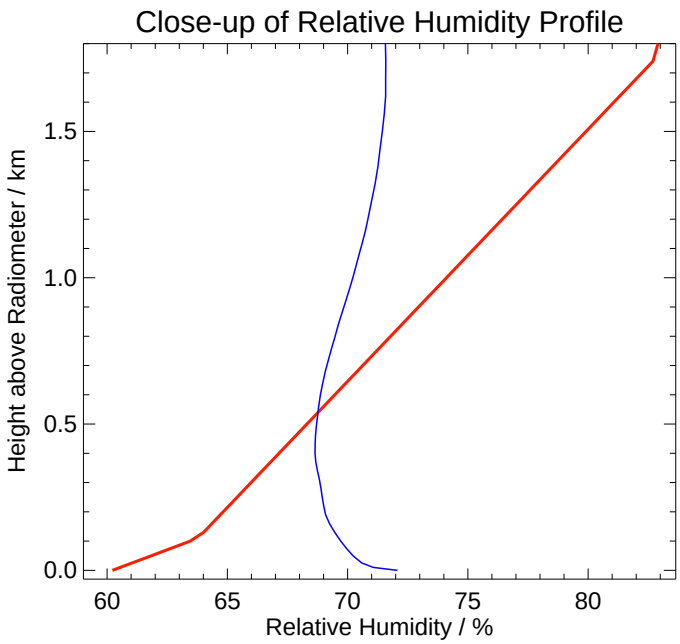

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

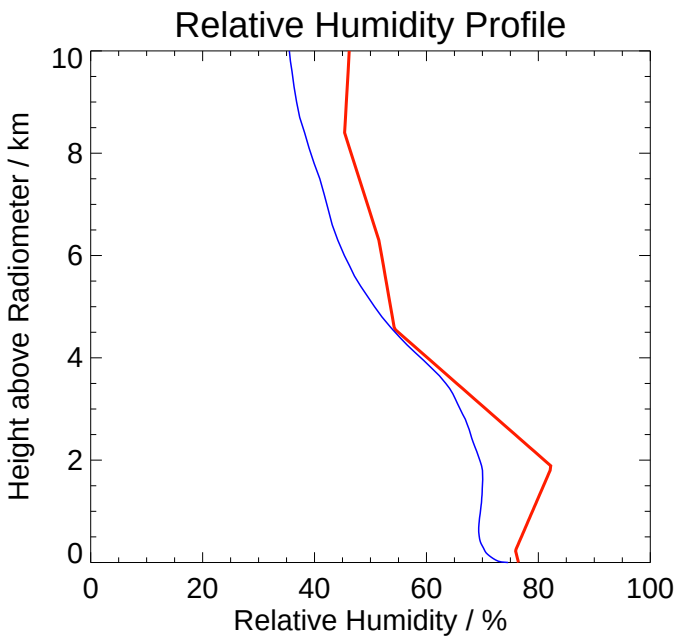

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
94
96
98
100

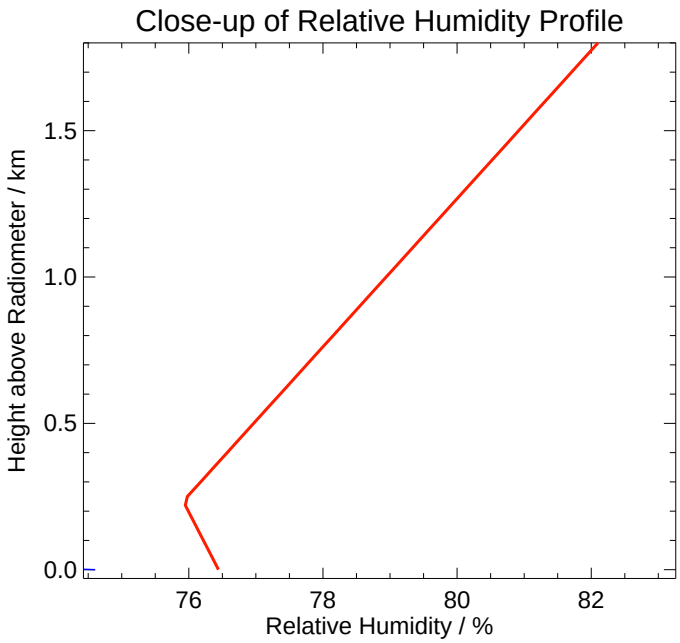

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

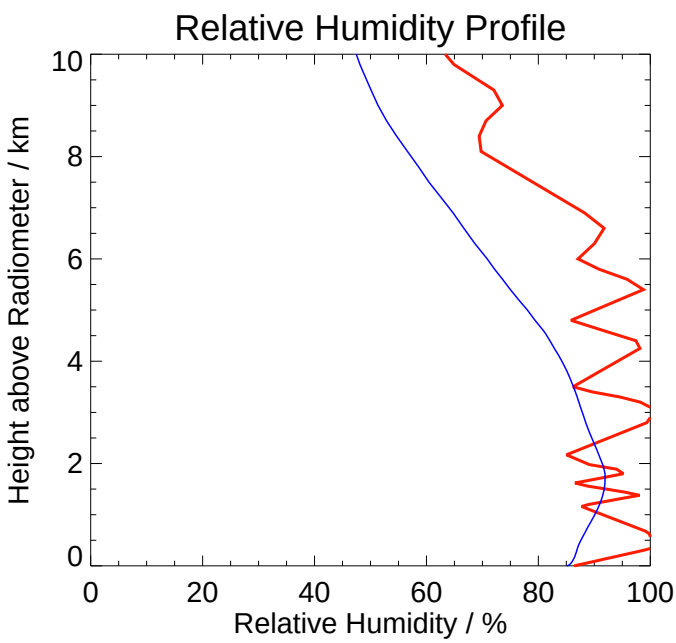

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

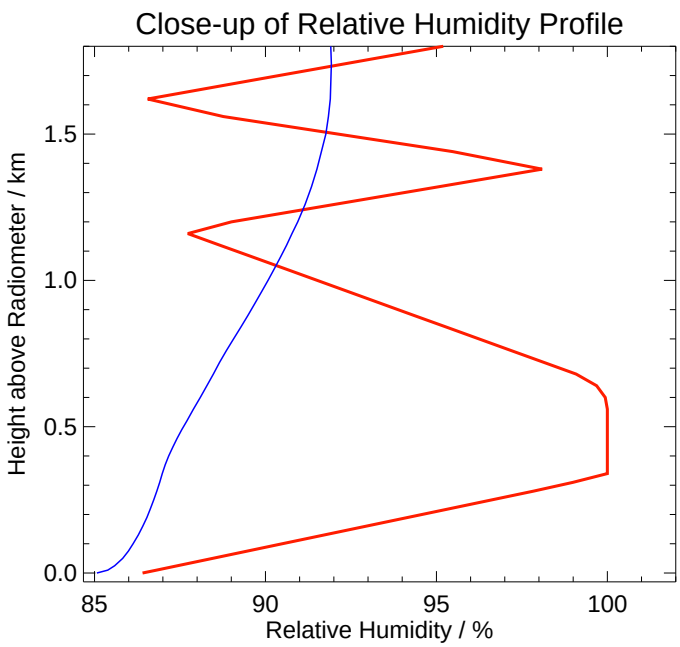

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

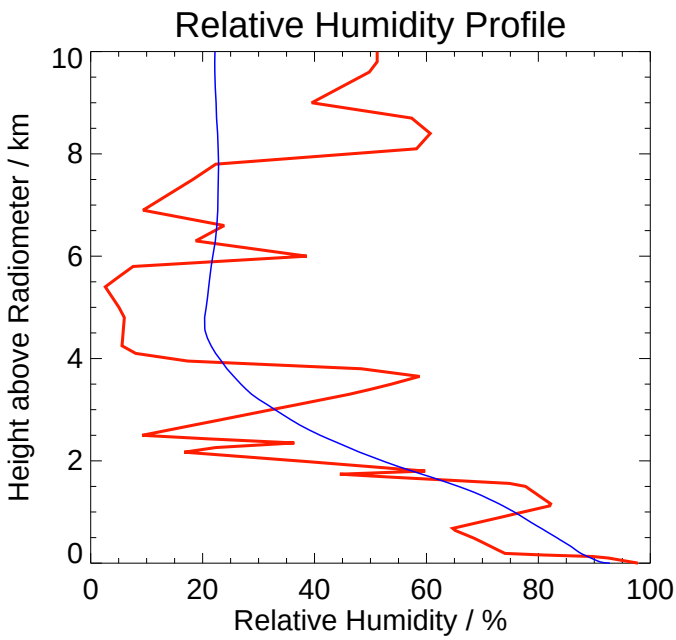

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80

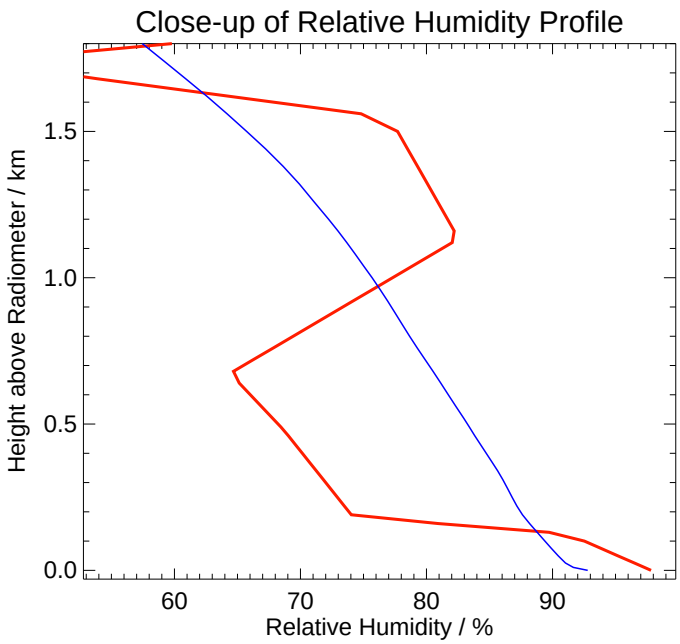

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

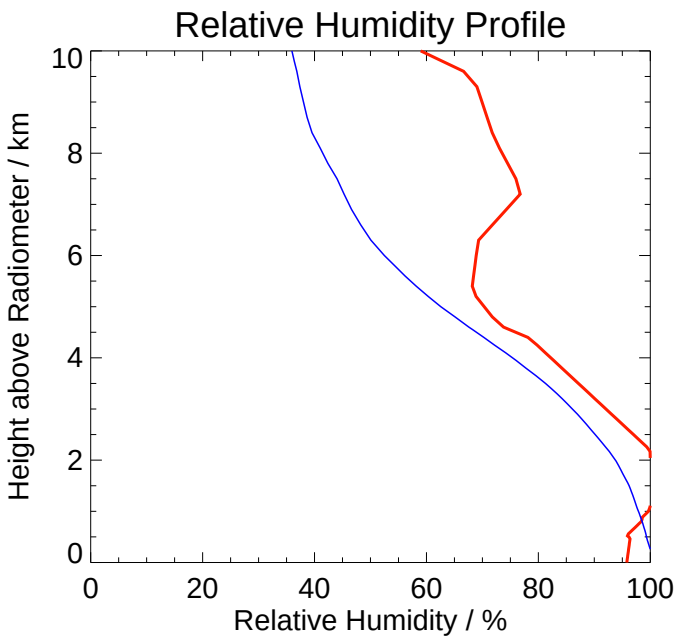

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
76
78
80
82

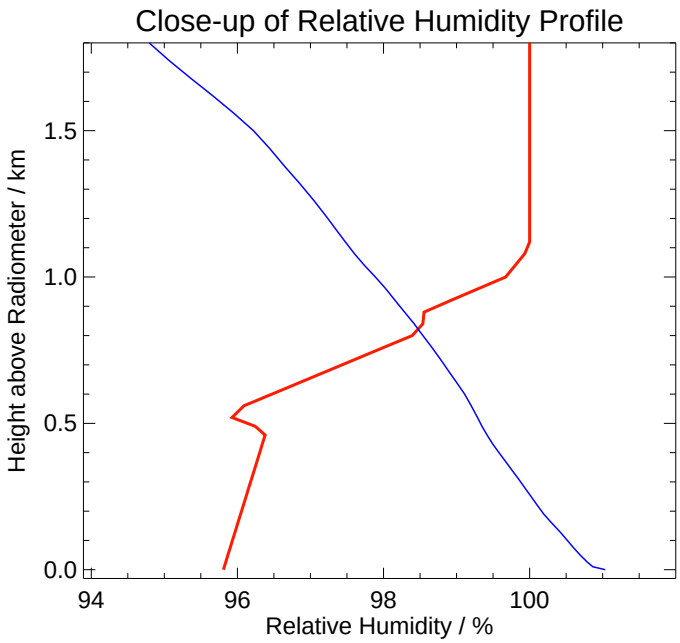

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

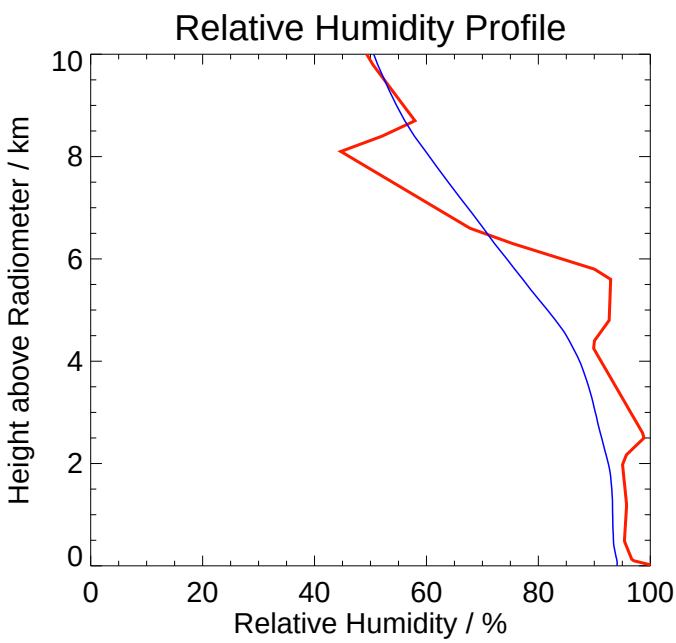

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

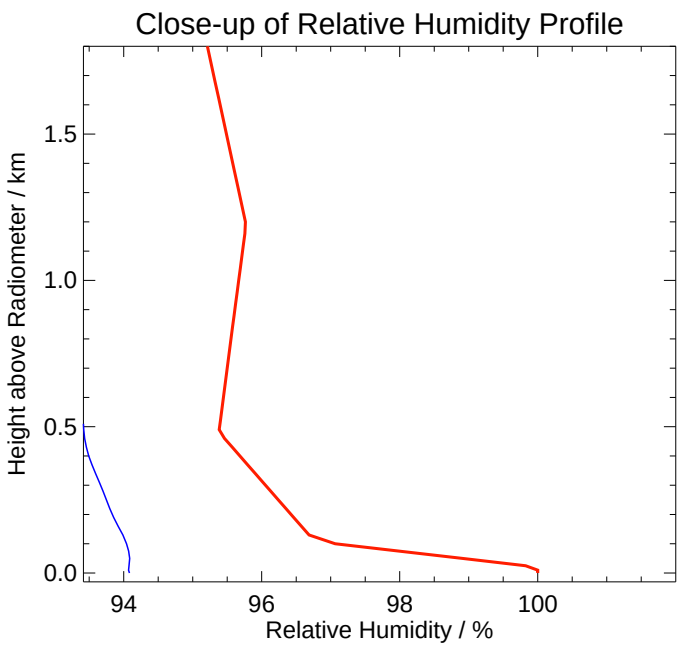

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

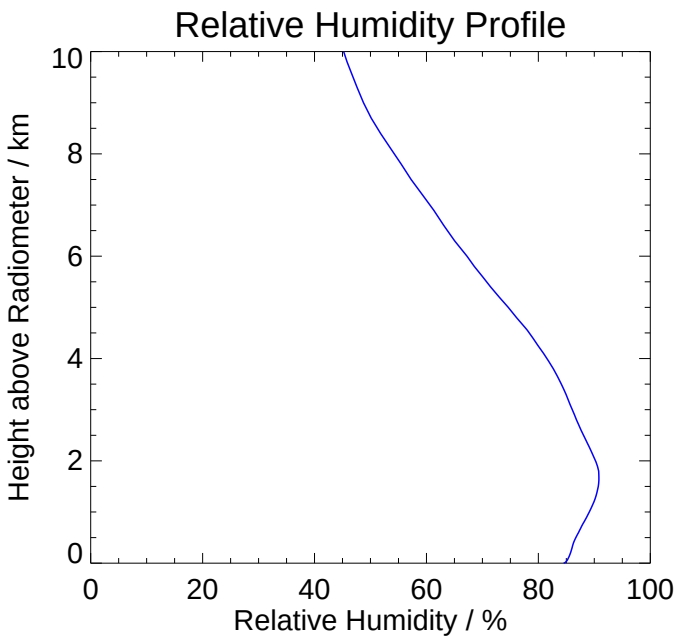

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

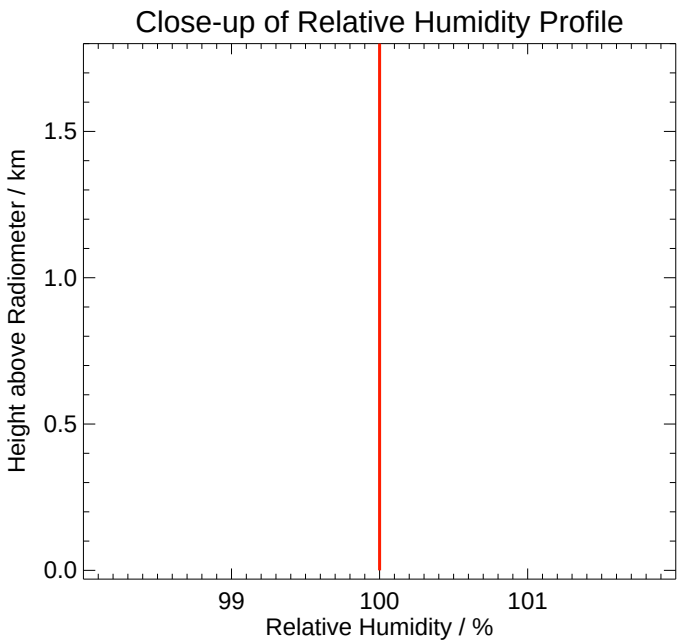

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

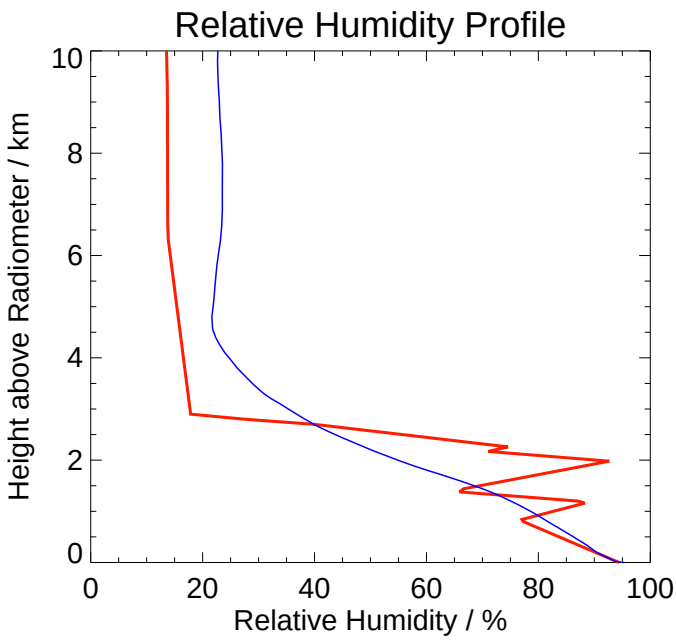

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

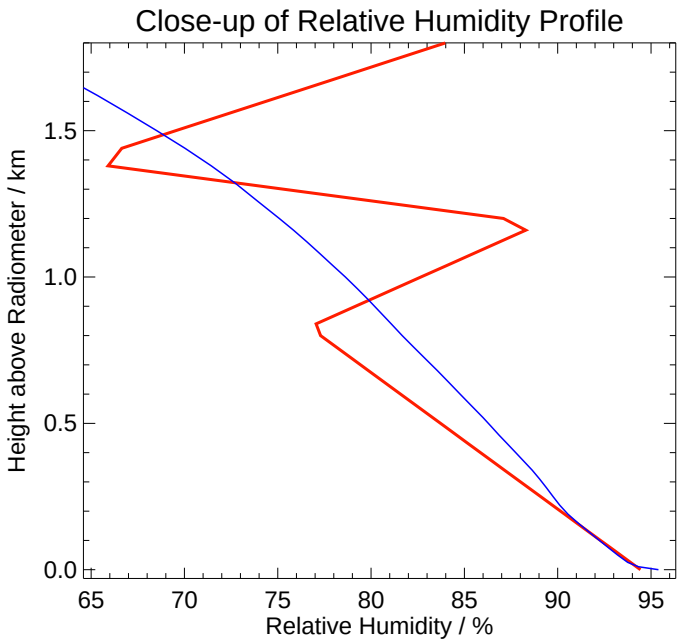

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

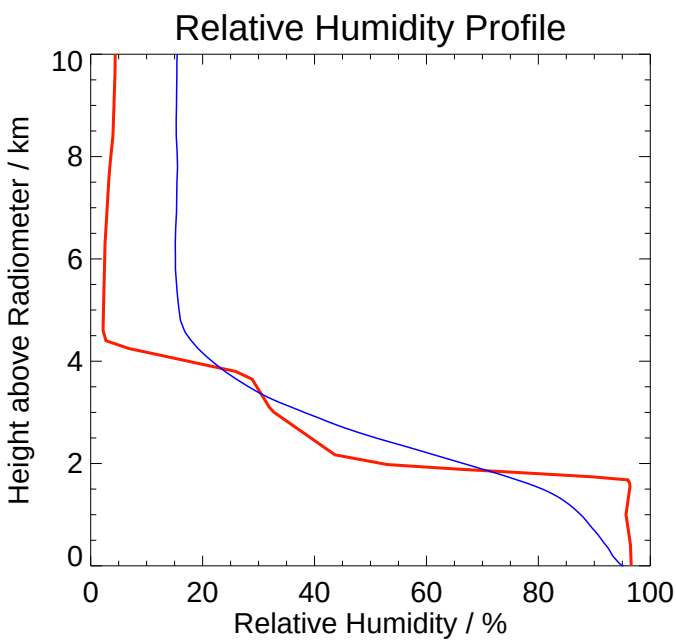

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

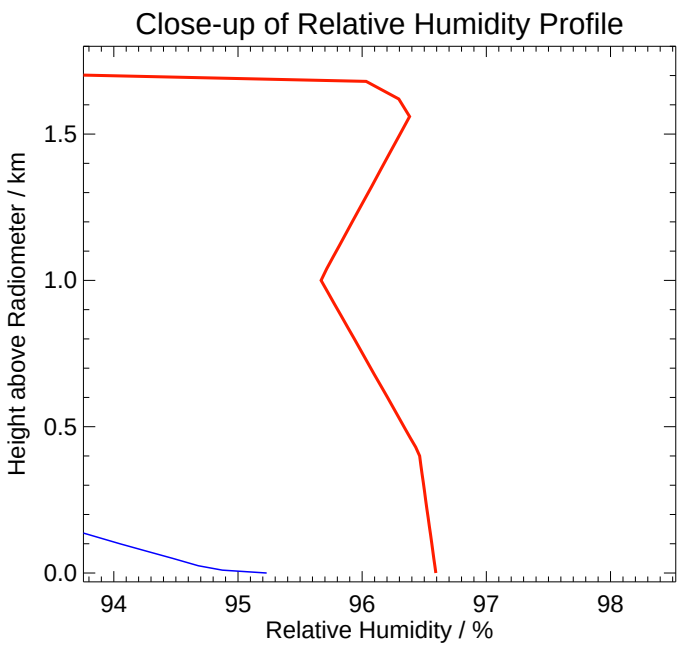

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

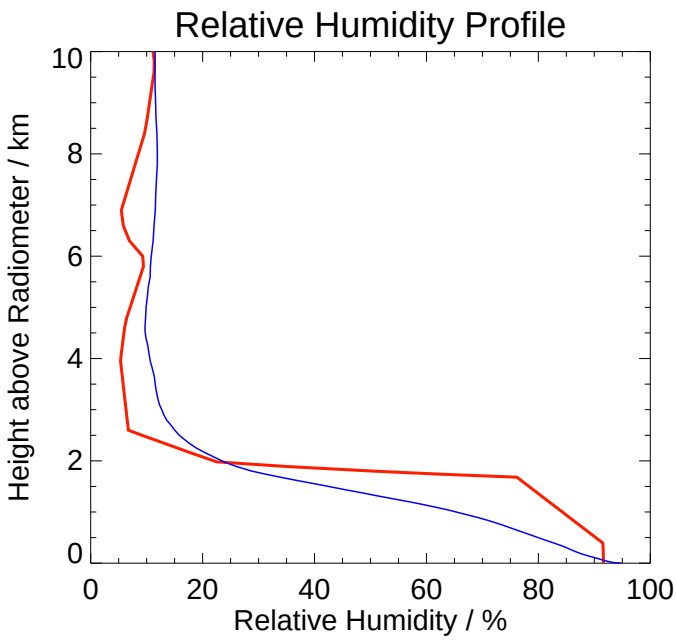

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

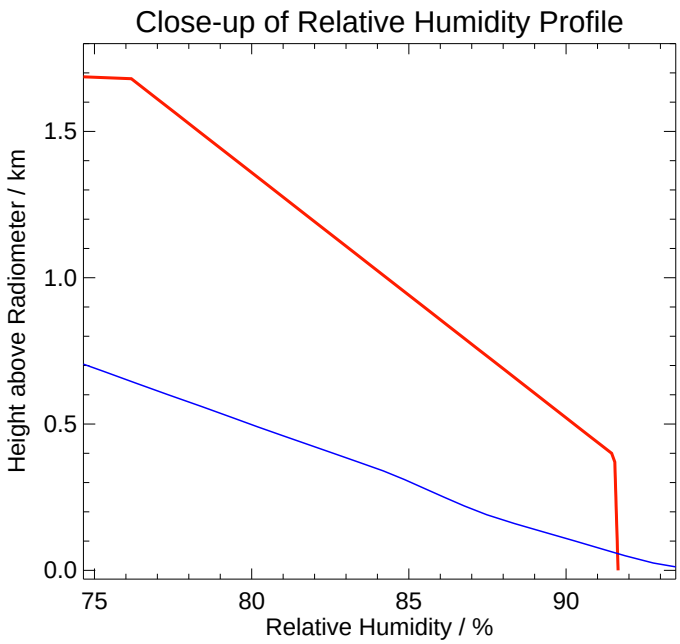

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

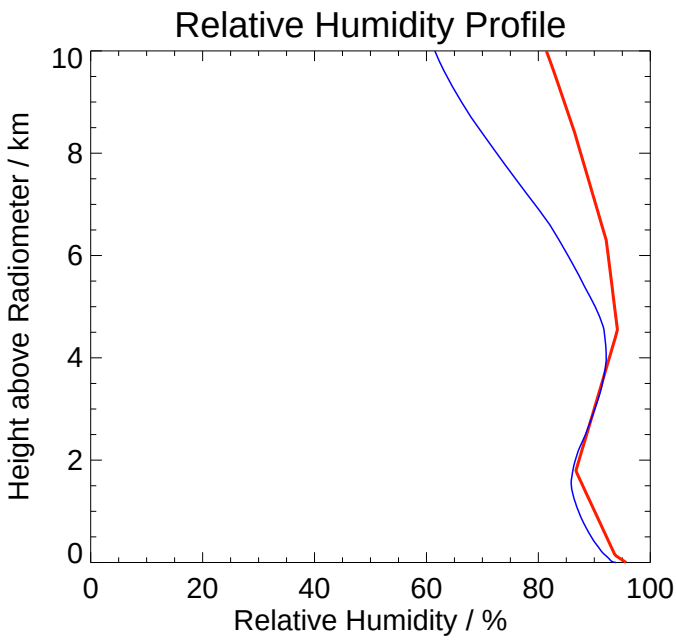

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85
90
95

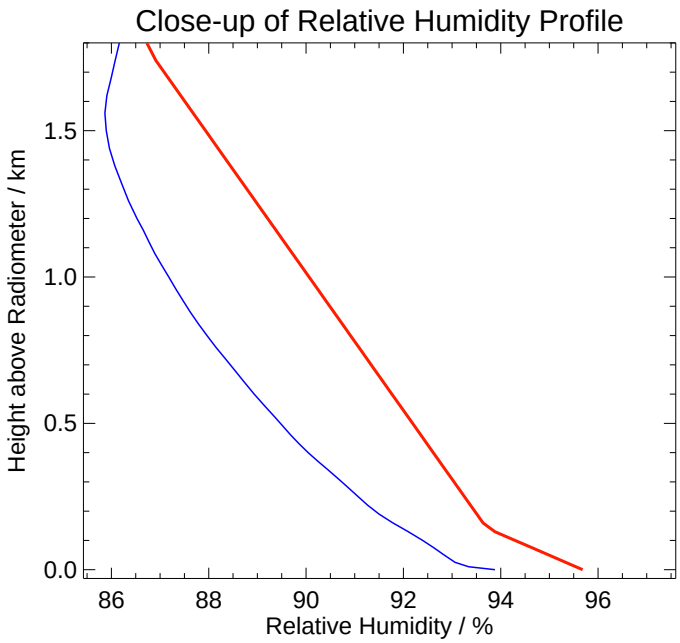

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

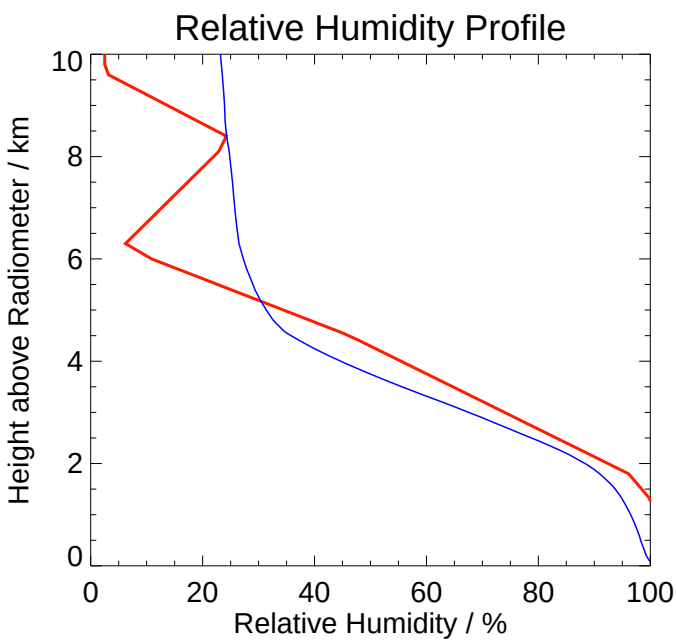

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
95
96
97
98

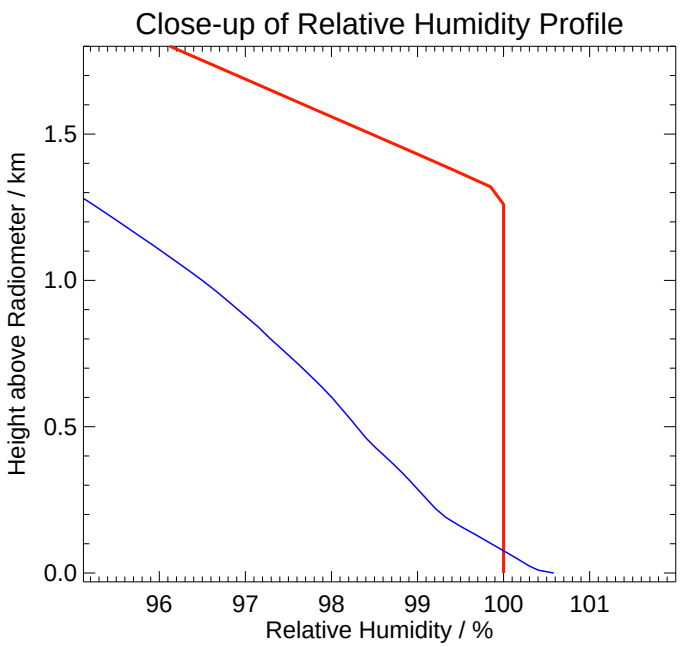

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

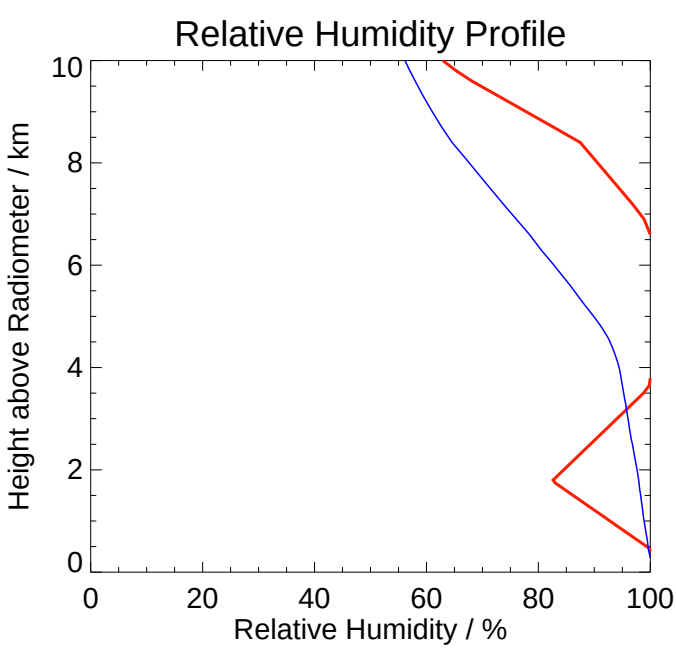

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

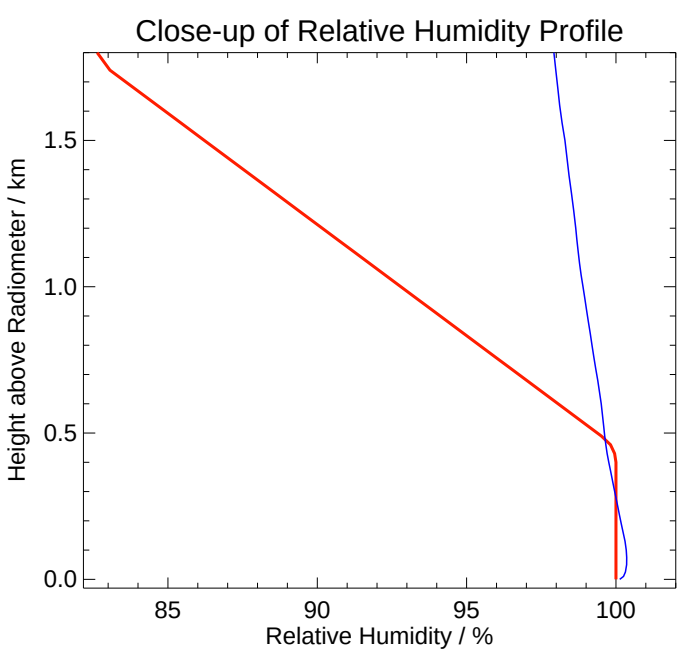

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

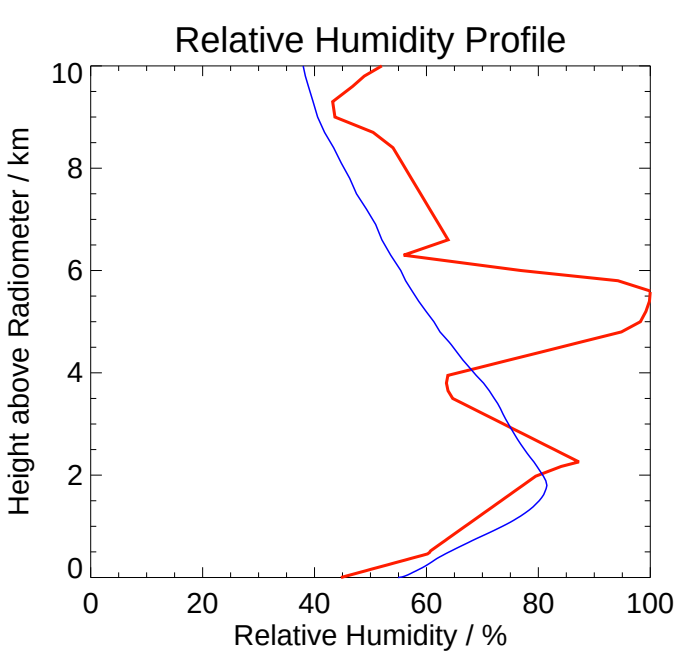

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96

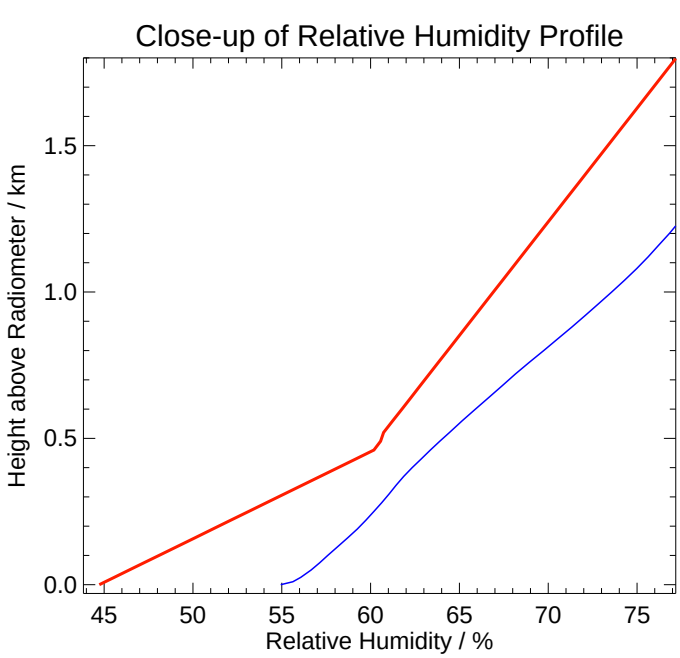

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

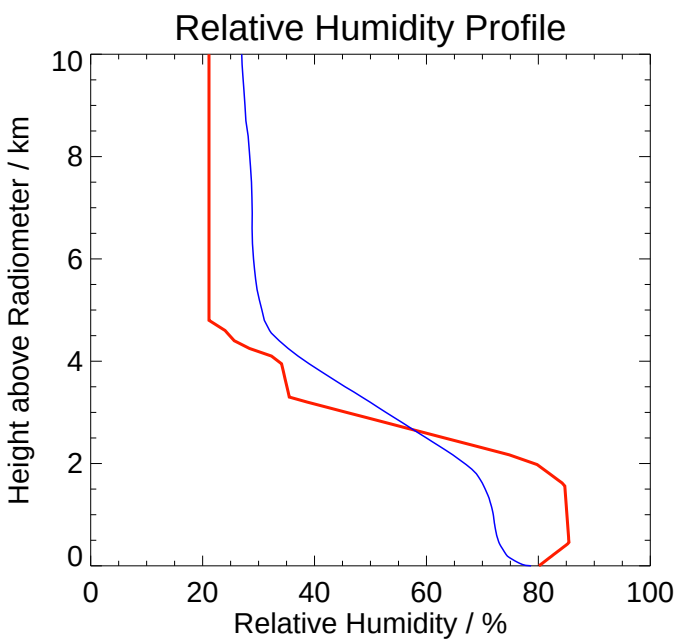

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

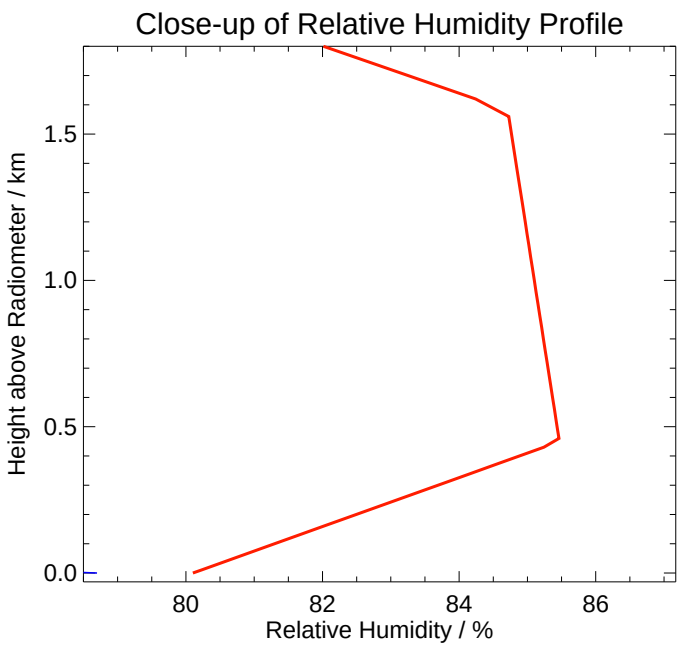

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

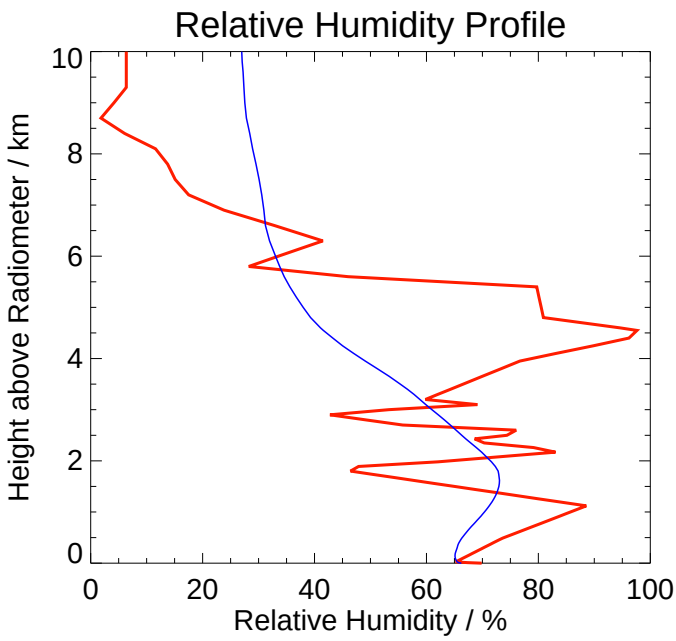

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

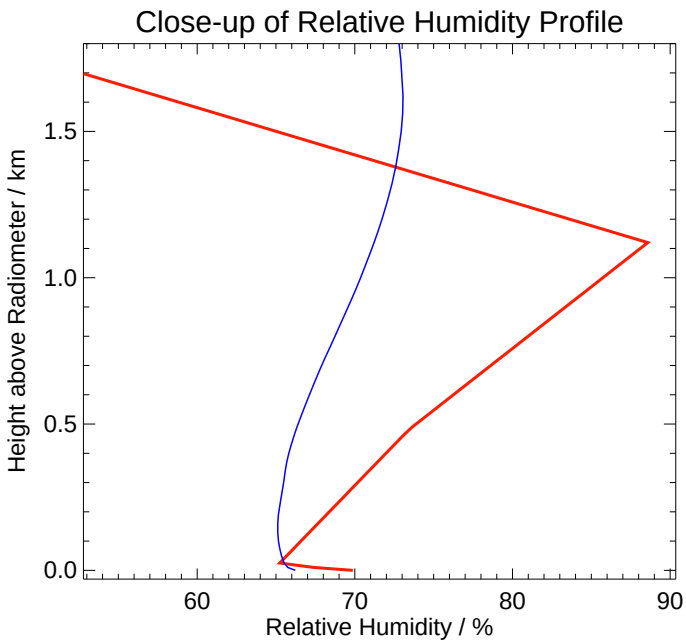

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

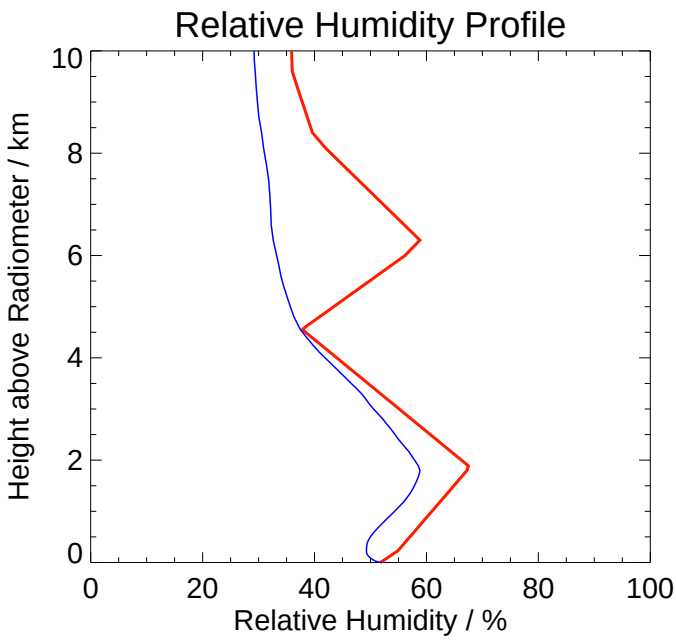

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
45
50
55
60
65
70
75

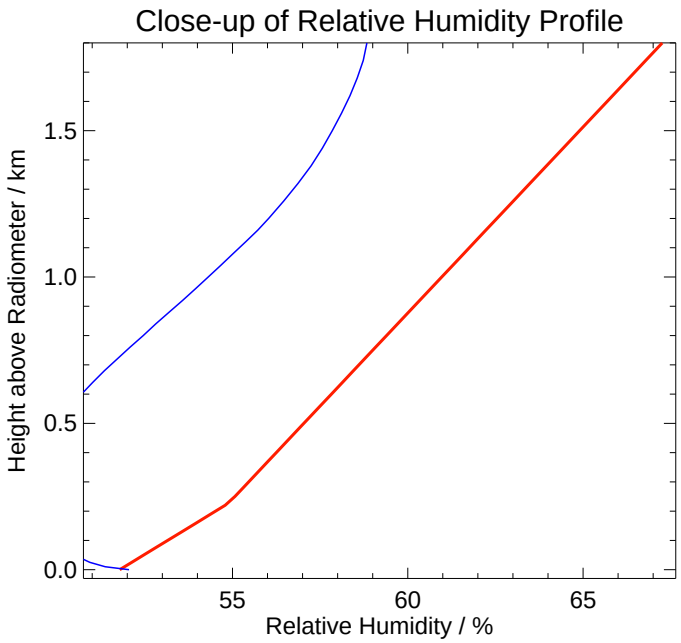

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

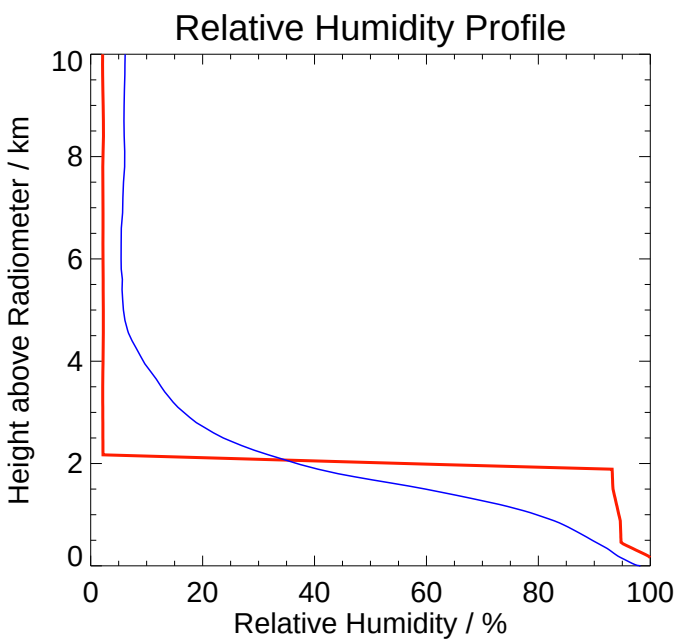

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
82
84
86

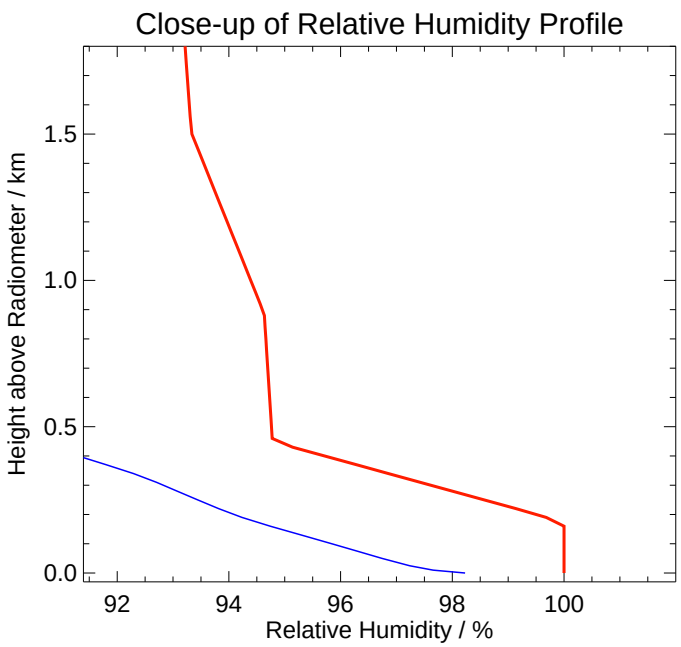

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

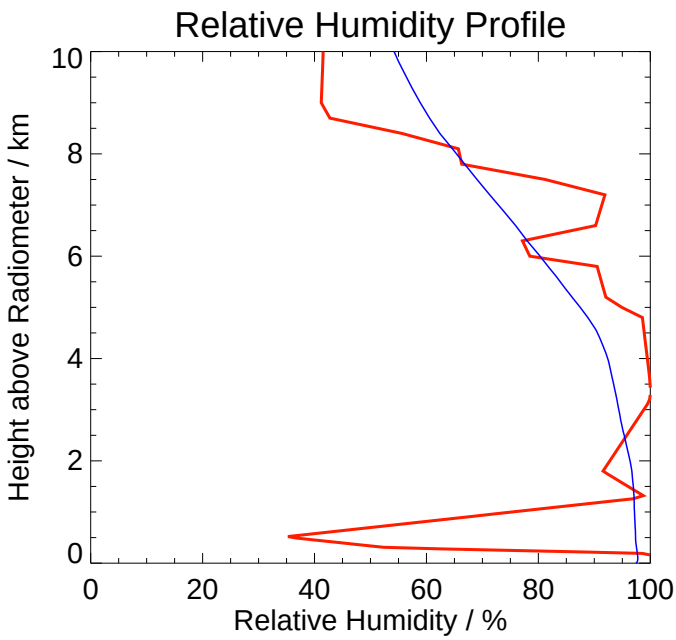

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

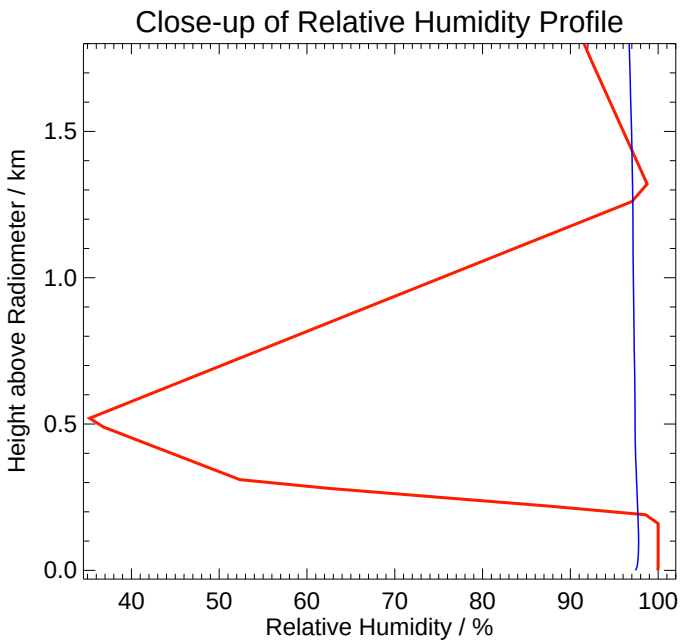

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

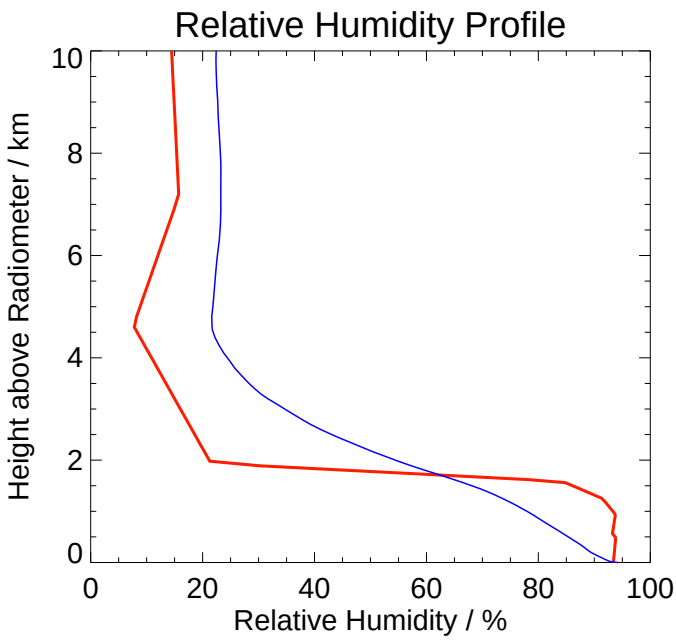

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
55
60
65

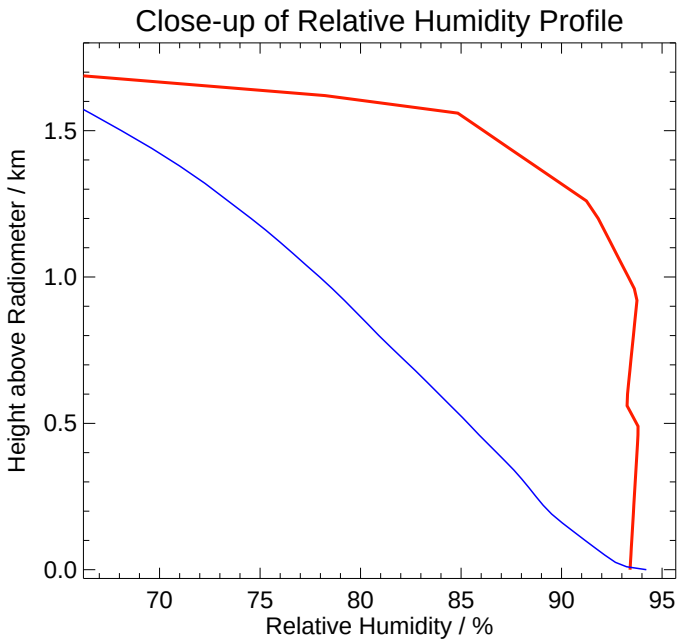

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

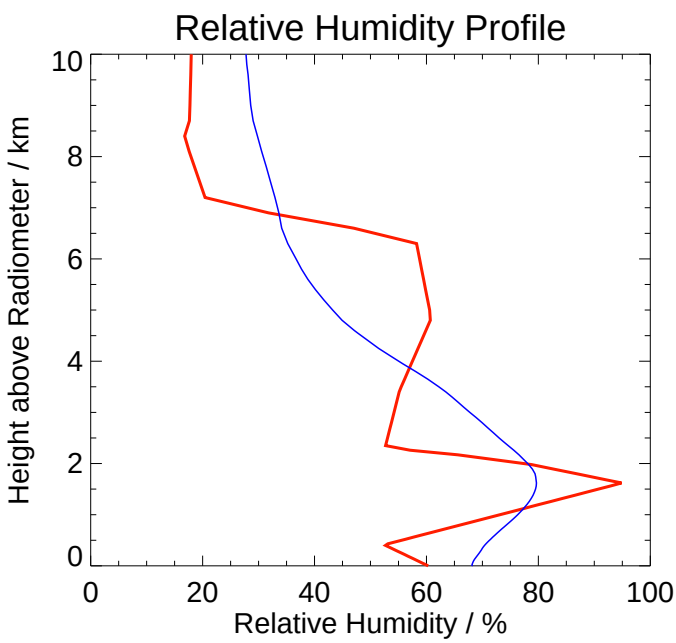

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
94
96
98
100

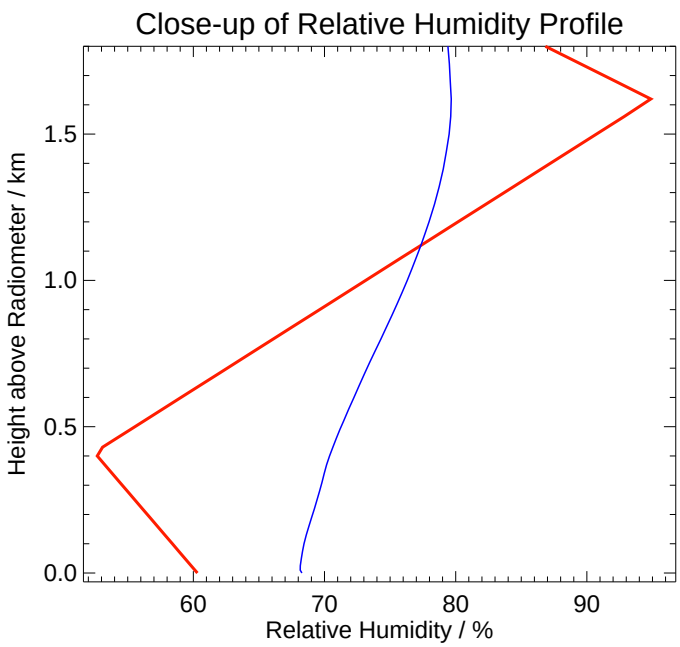

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

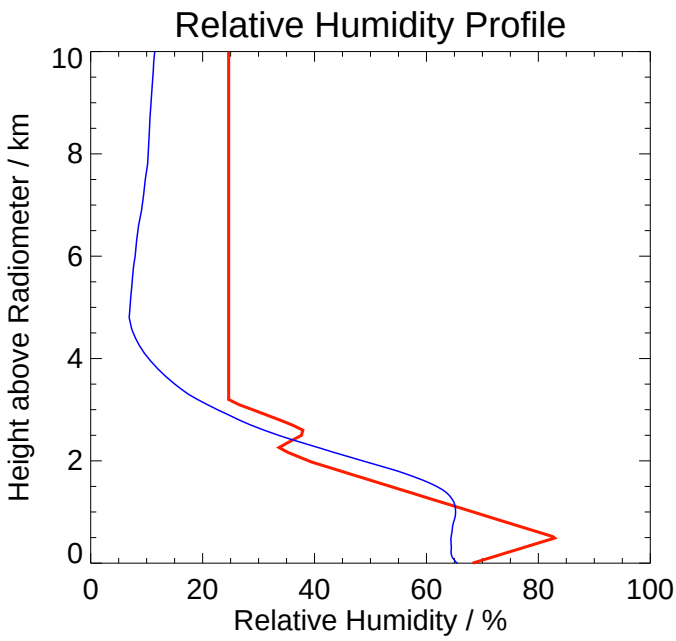

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80
90
100

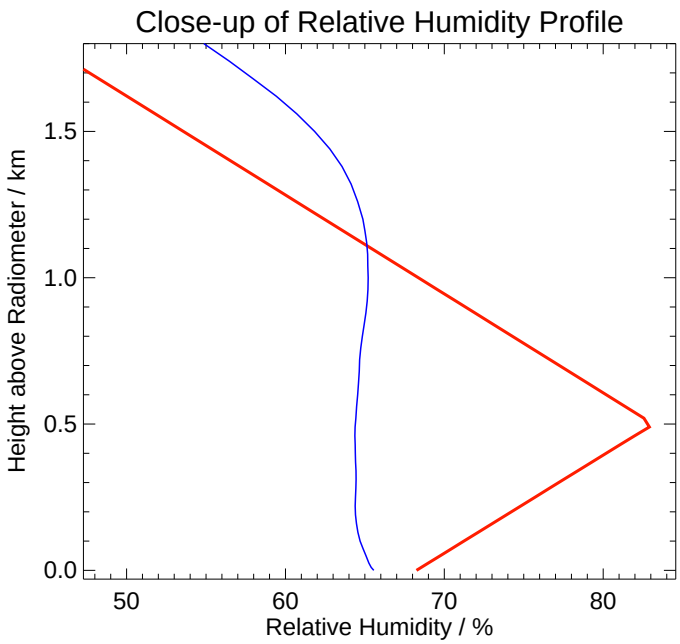

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

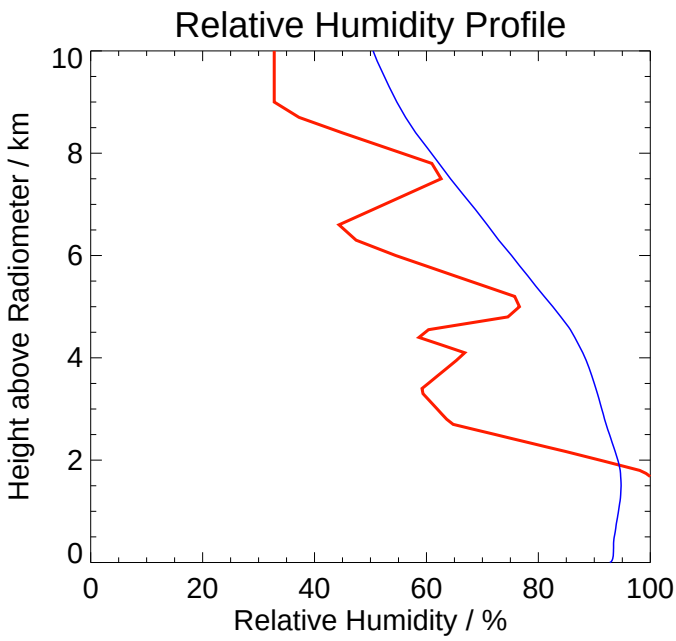

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95

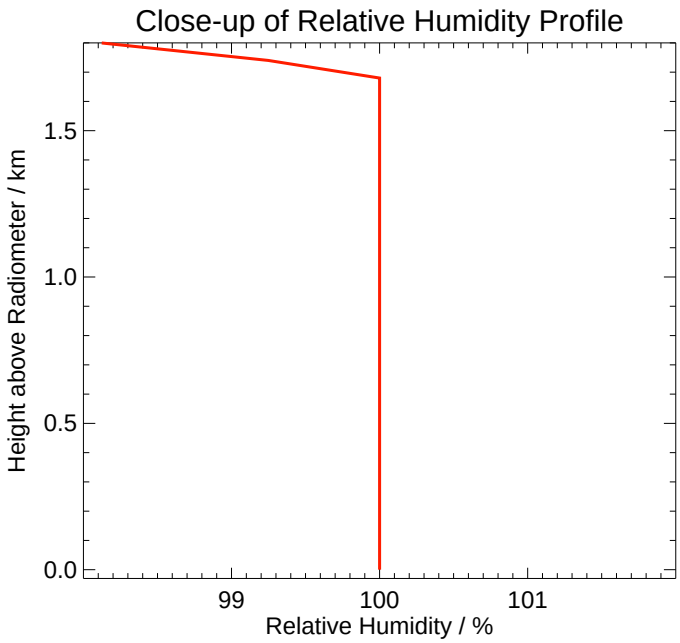

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

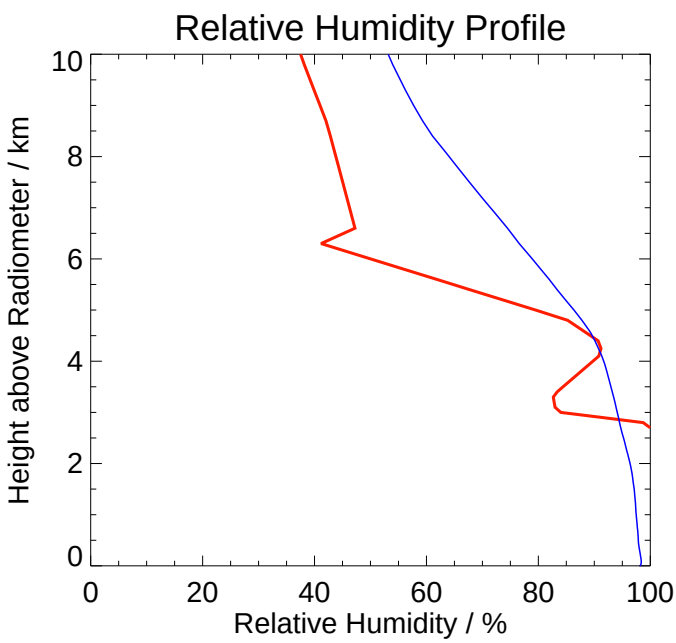

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

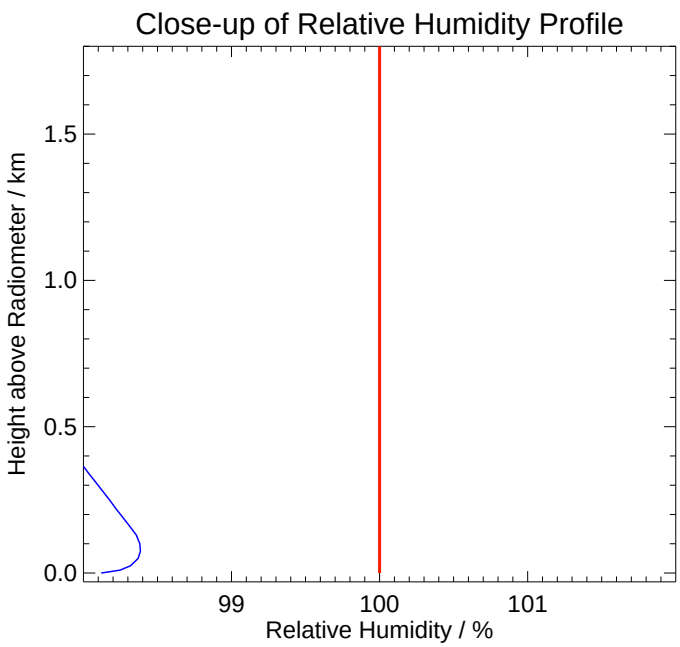

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

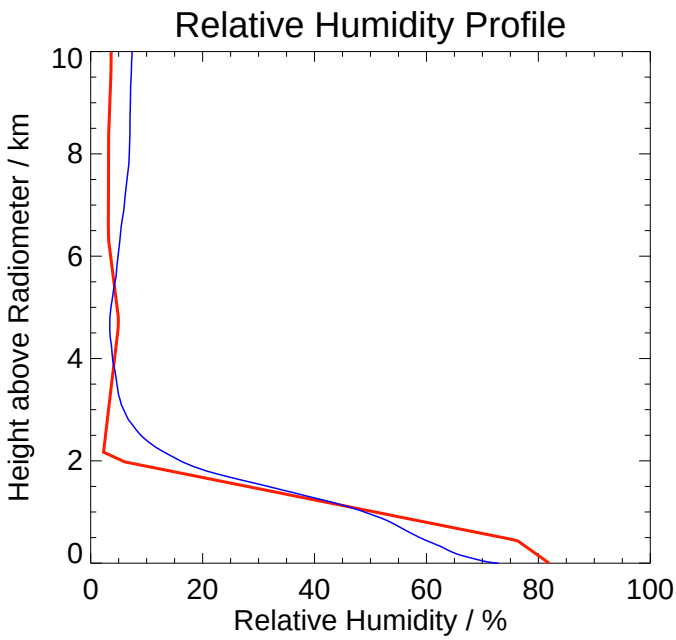

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80

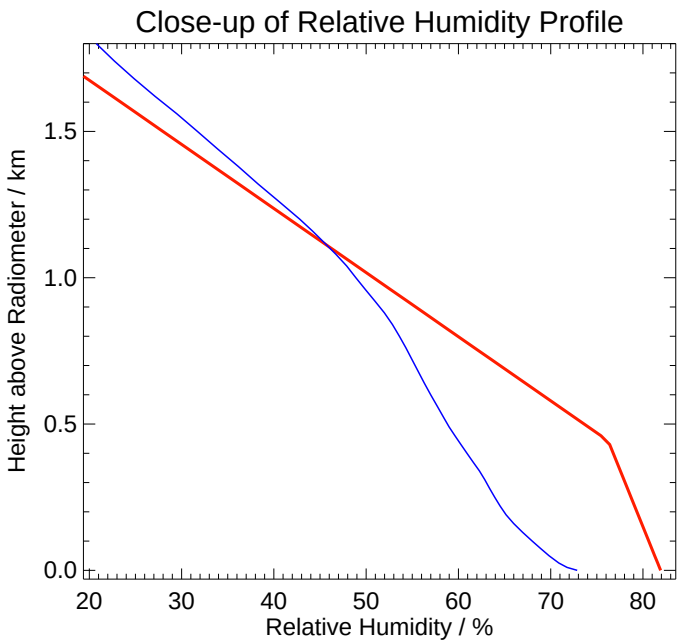

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

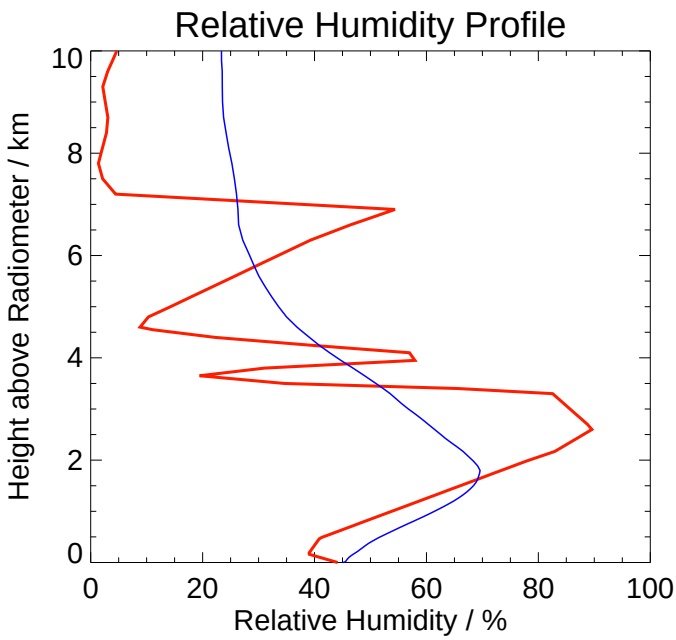

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

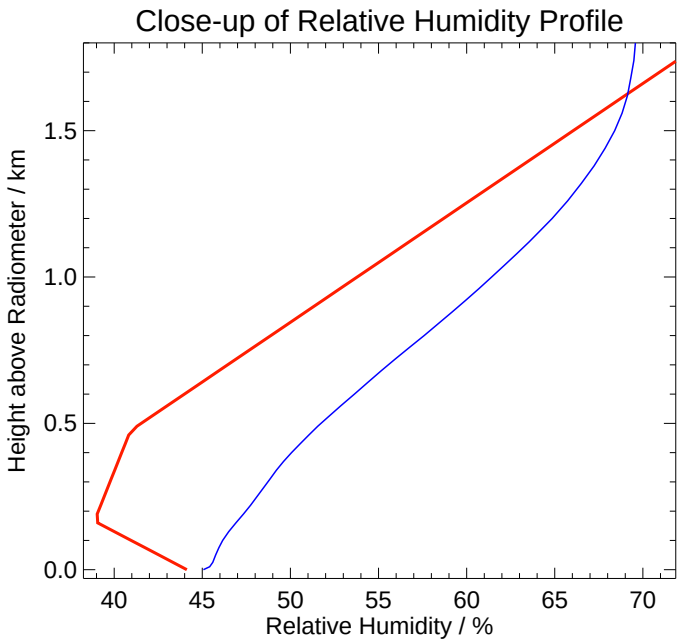

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

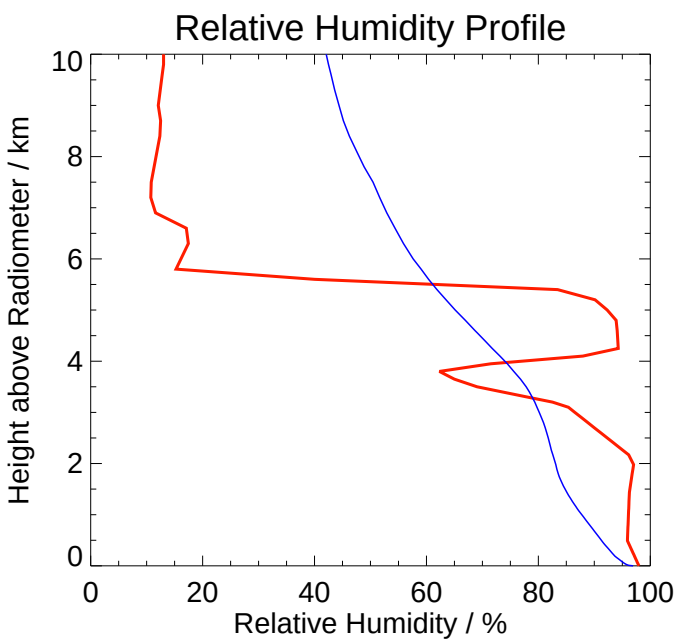

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

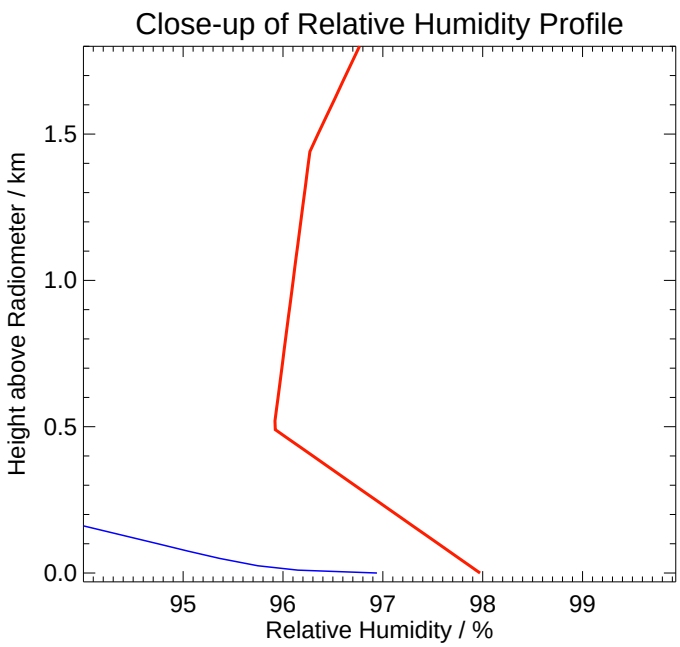

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

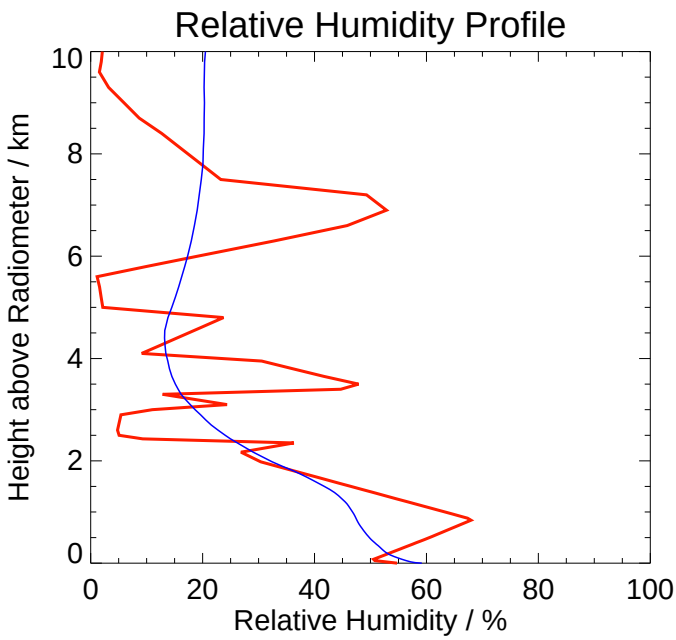

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60
70
80

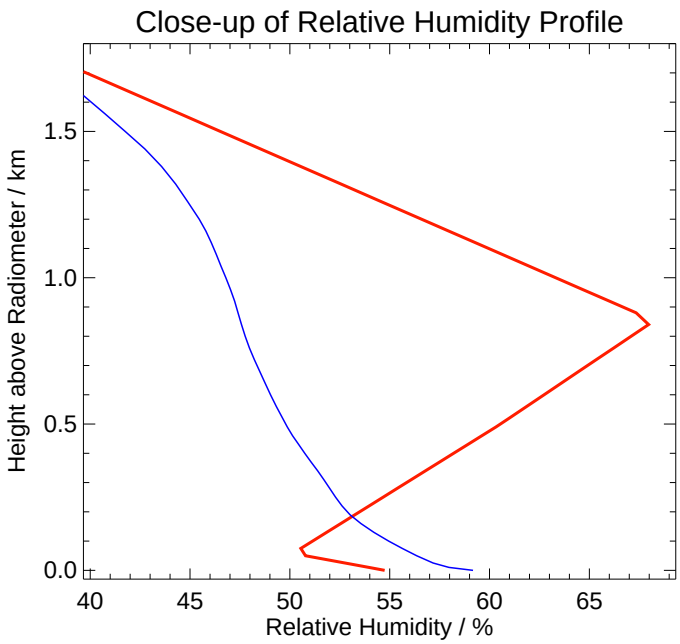

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

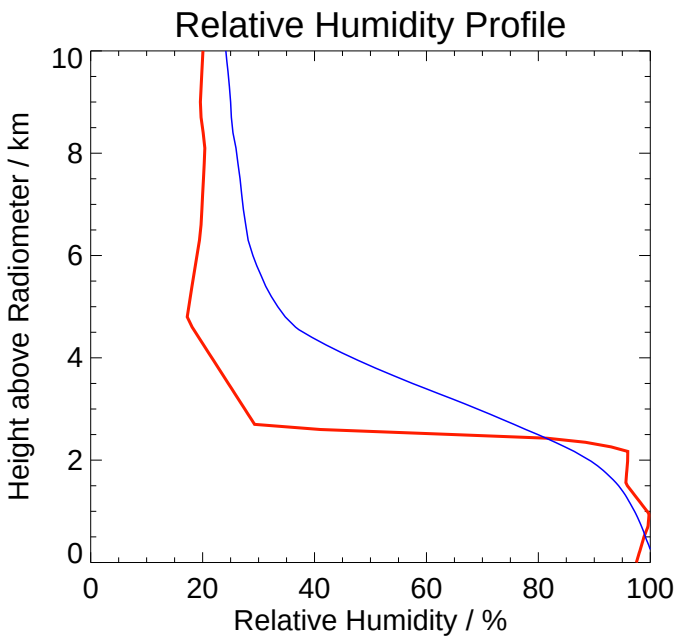

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60
65
70

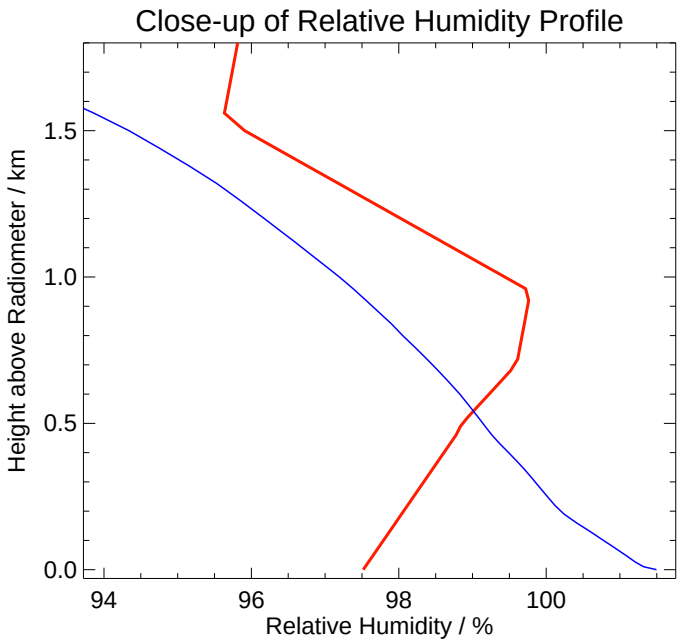

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

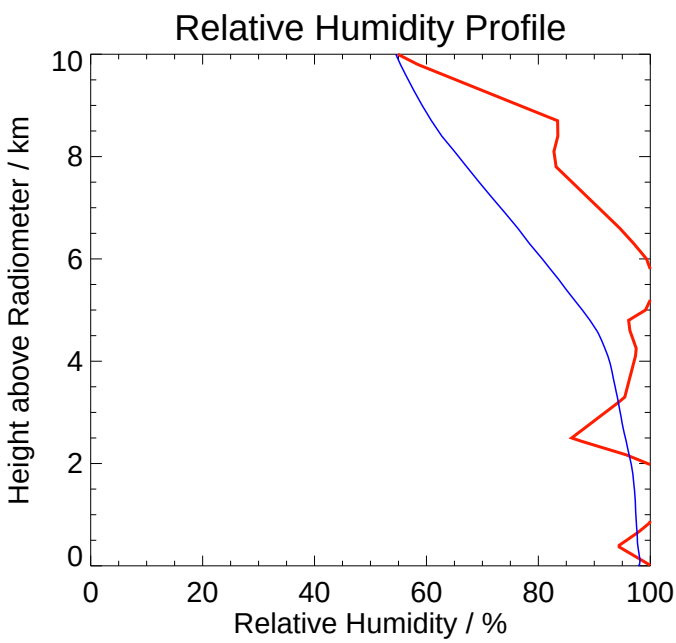

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
95
96
97
98
99

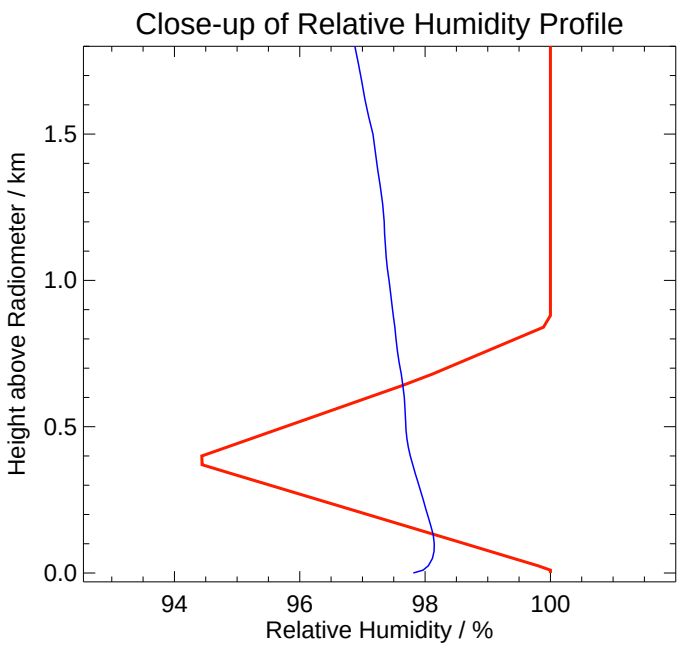

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

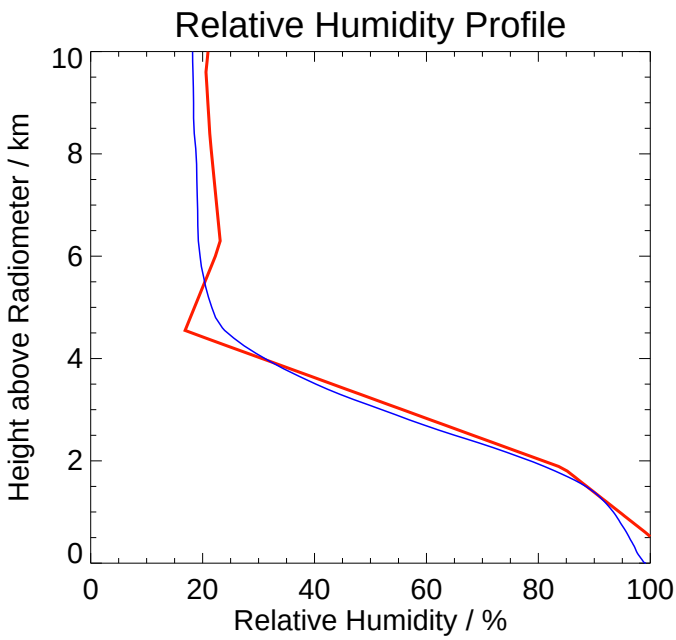

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60
65

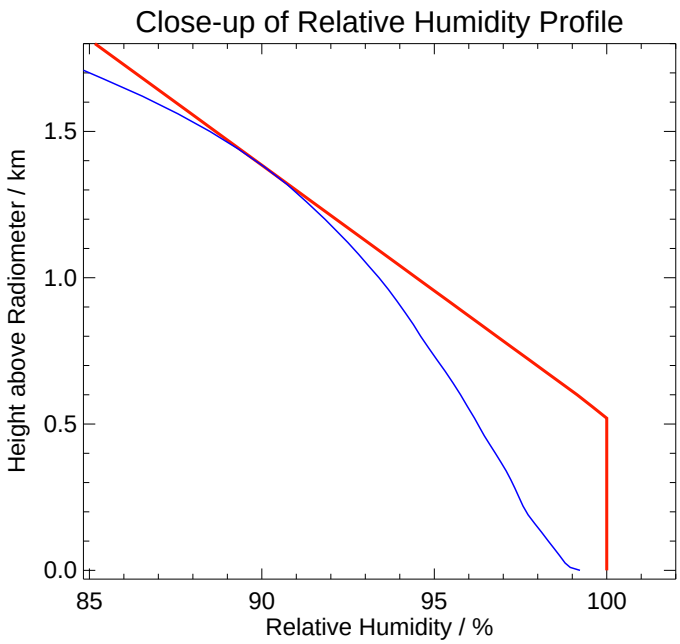

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

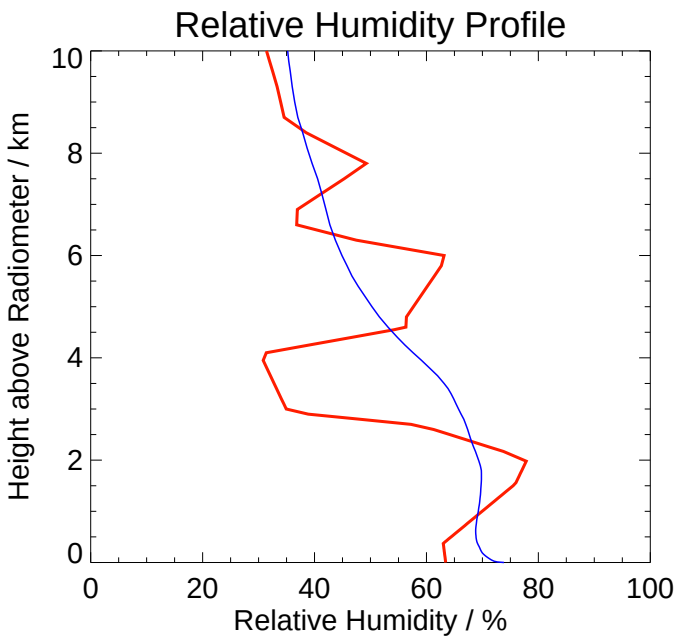

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

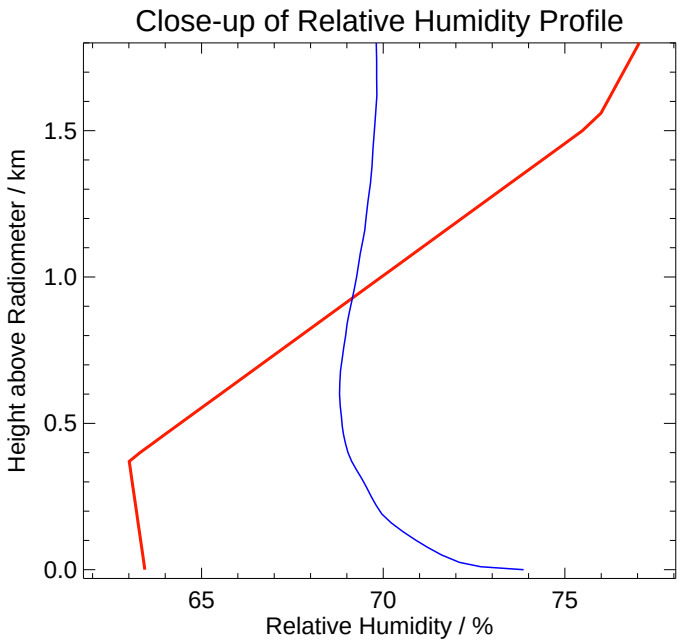

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

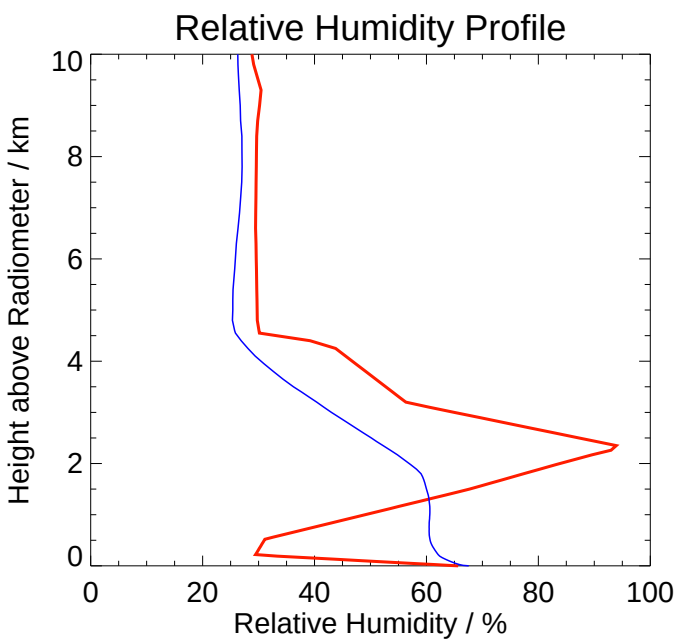

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

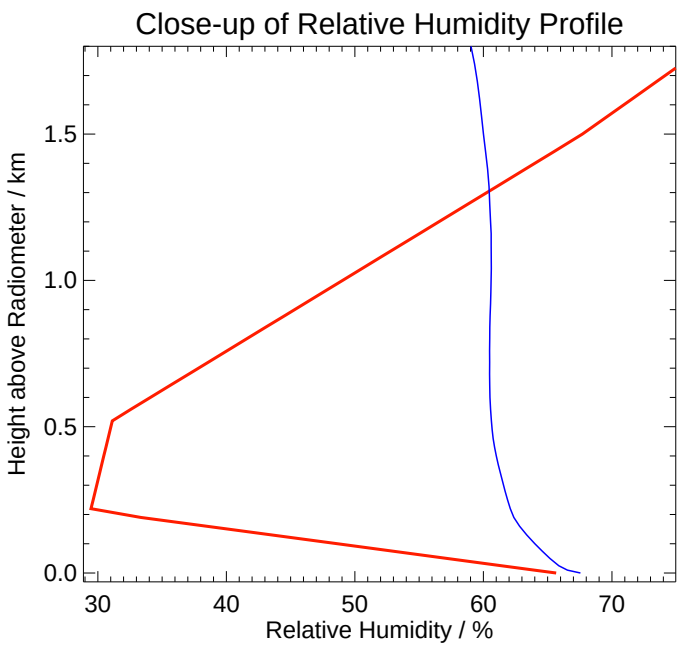

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

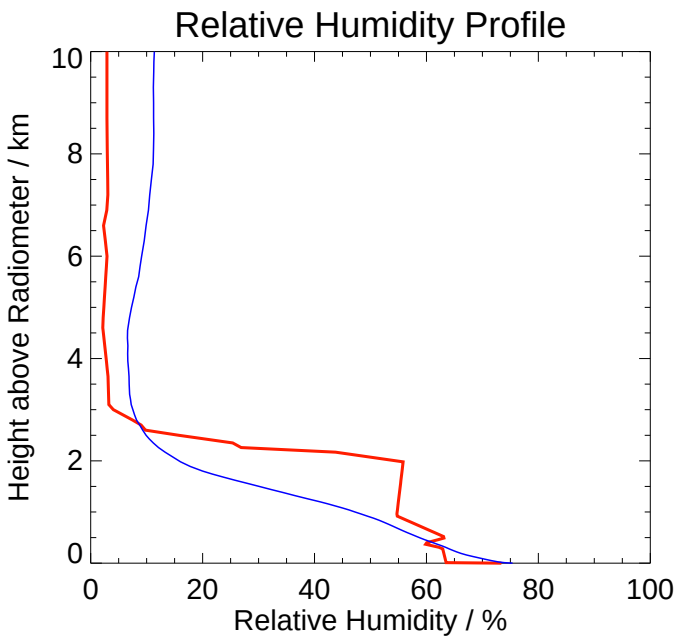

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

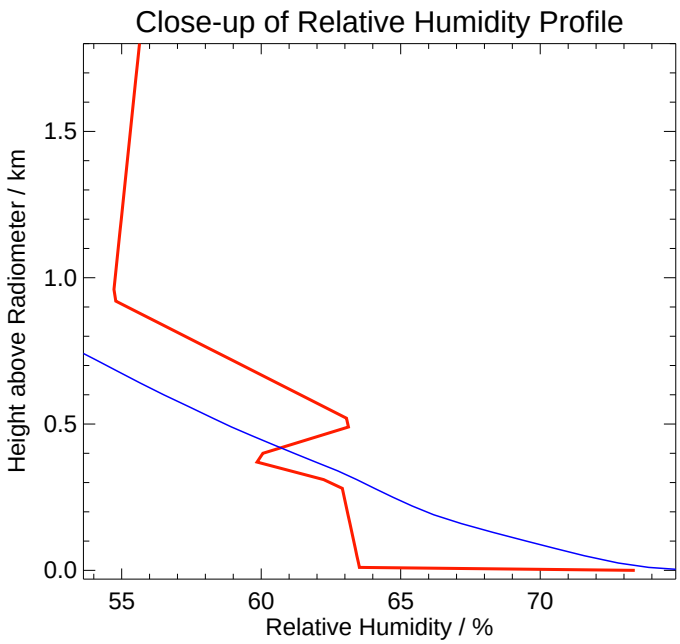

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

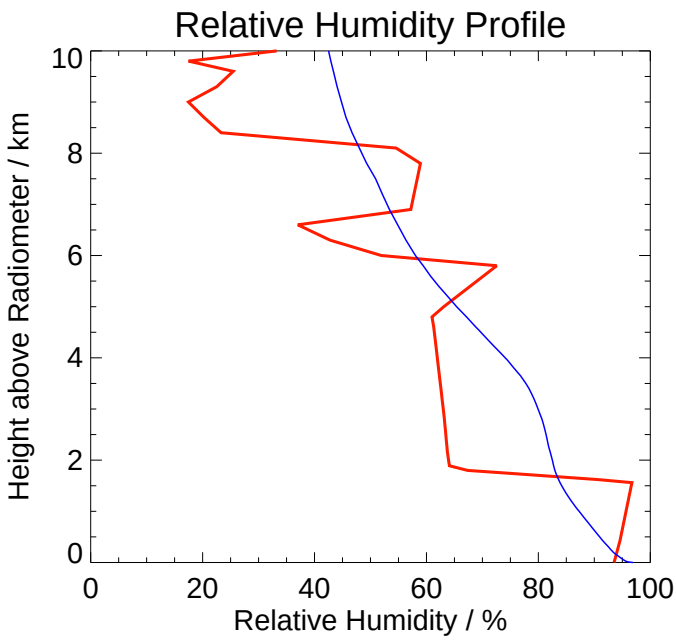

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75

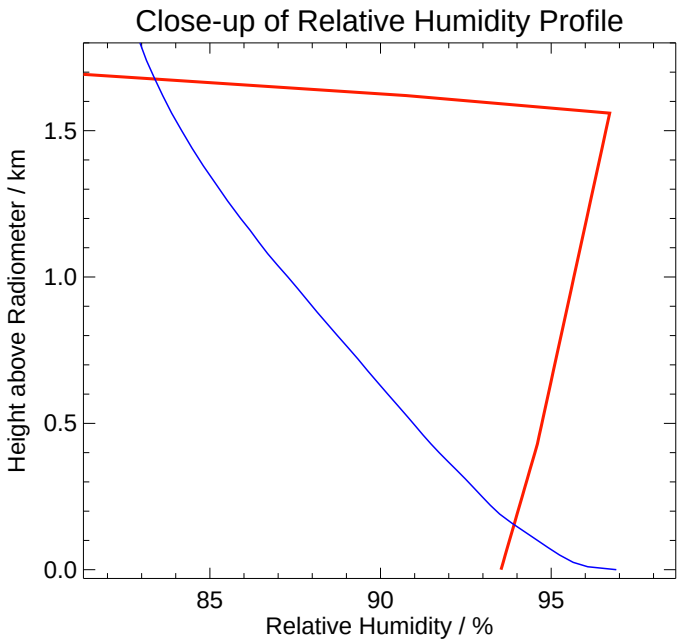

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

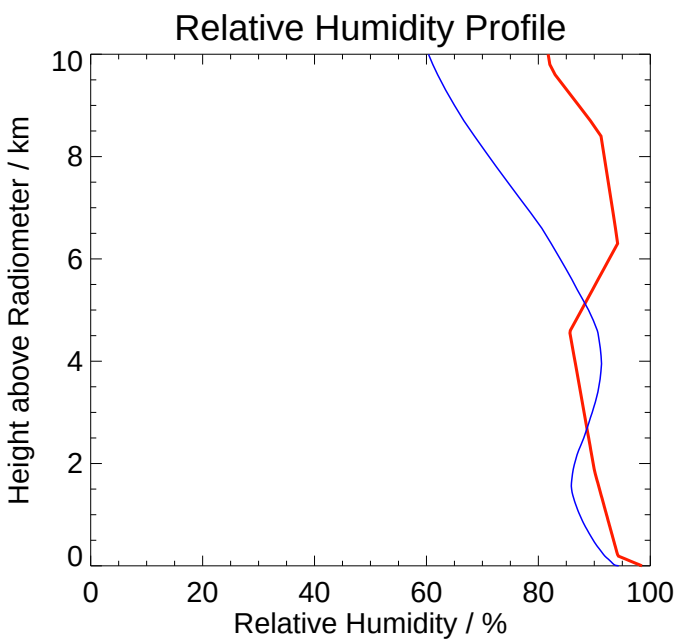

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
30
40
50
60
70

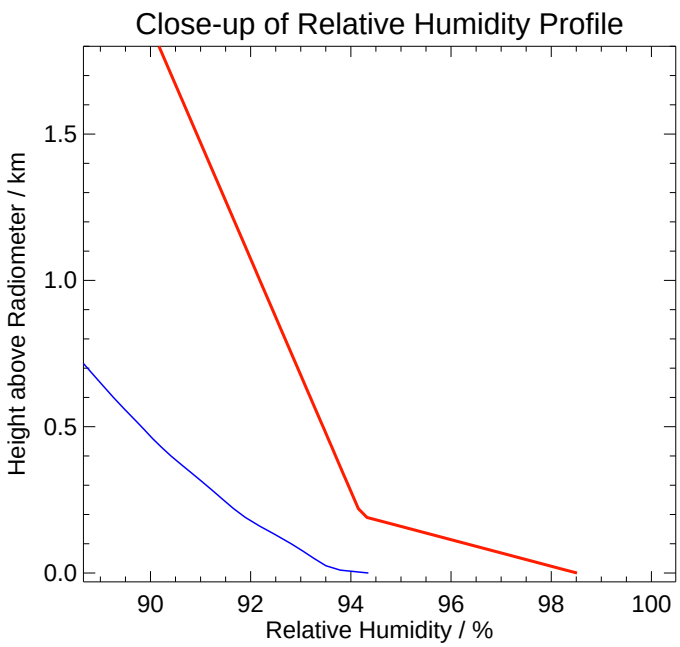

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

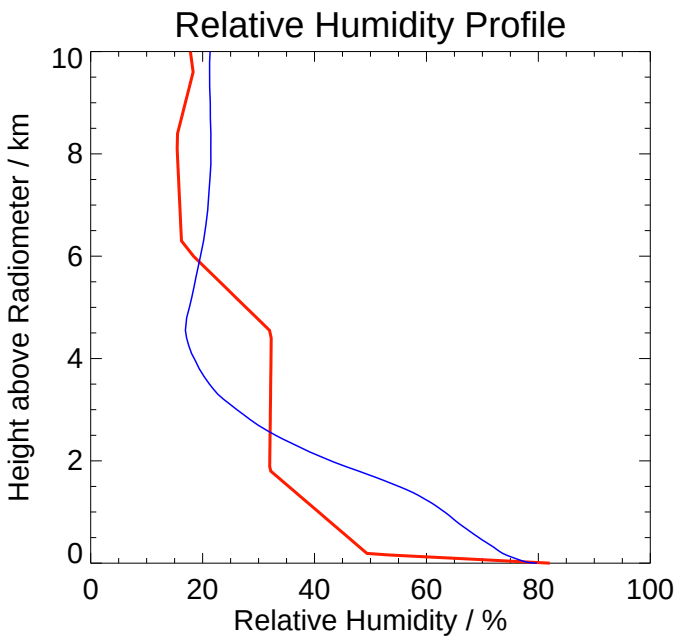

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
55
60
65
70

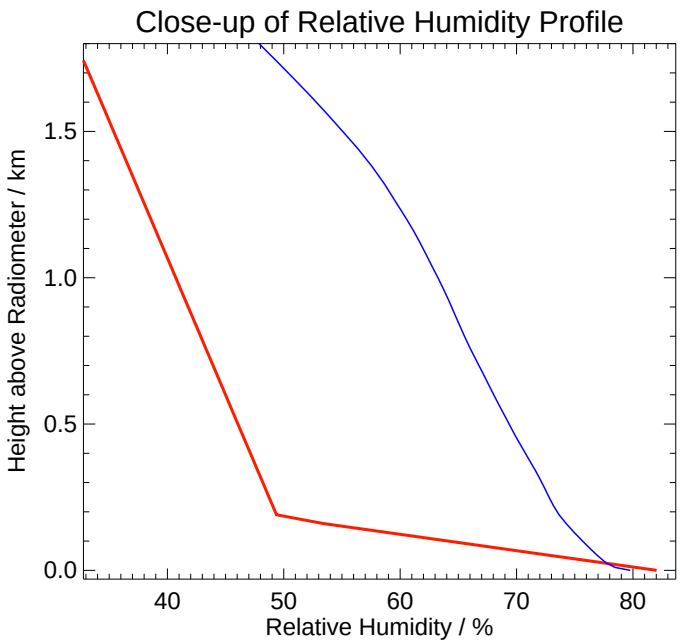

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

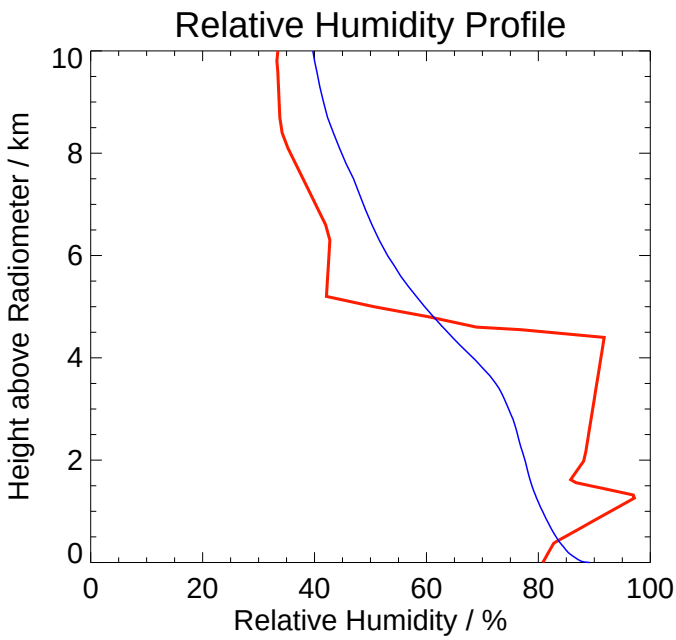

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95

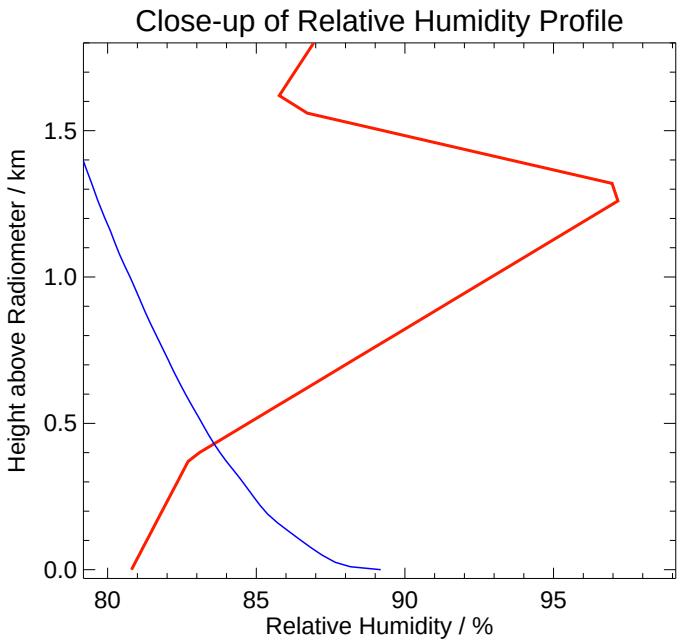

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

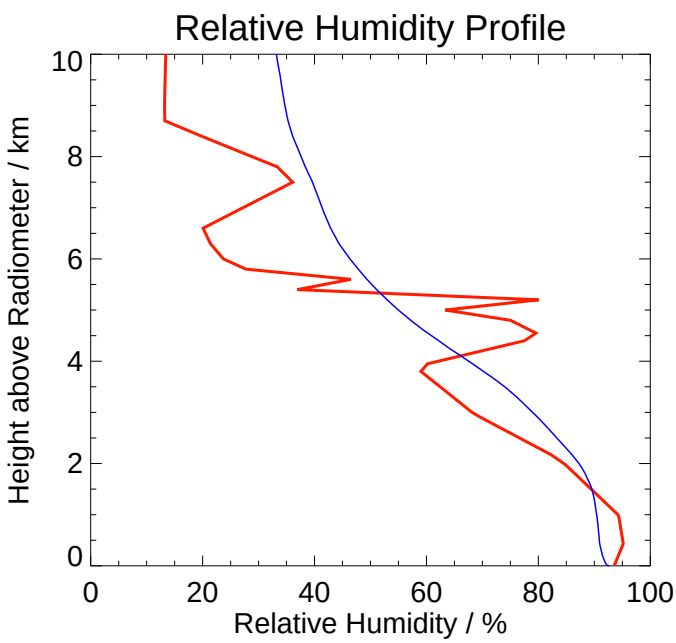

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98
100

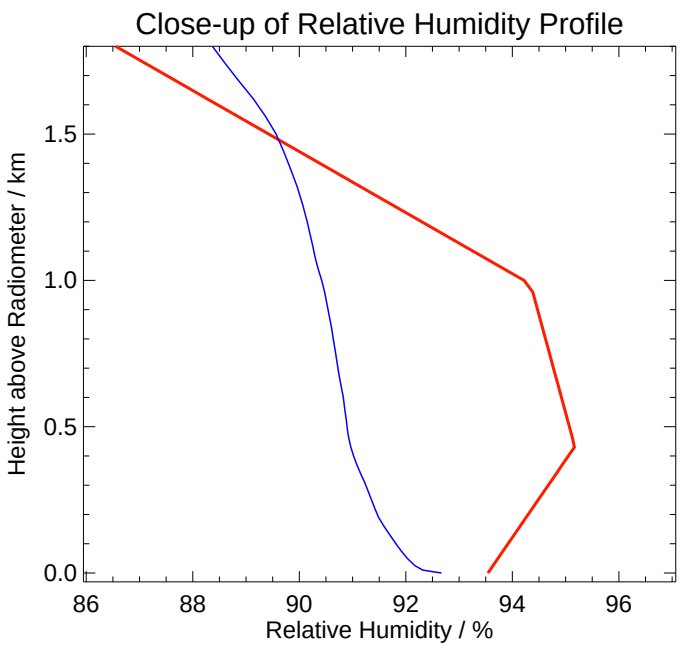

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

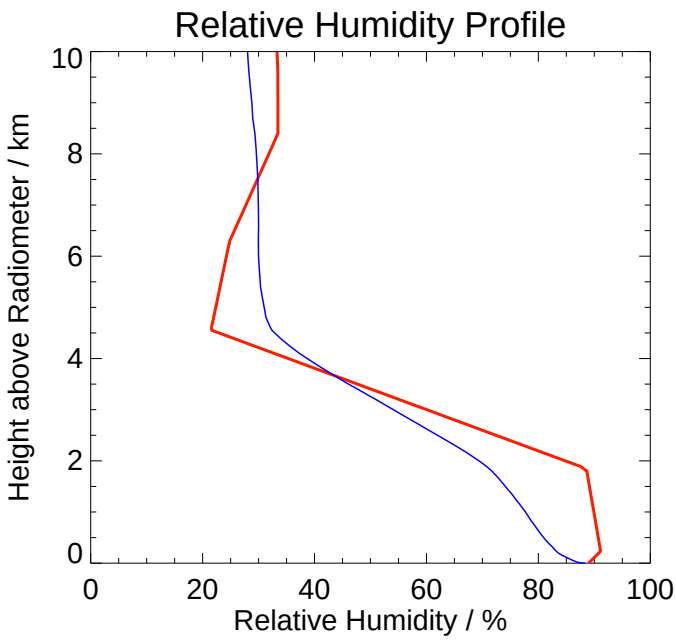

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80

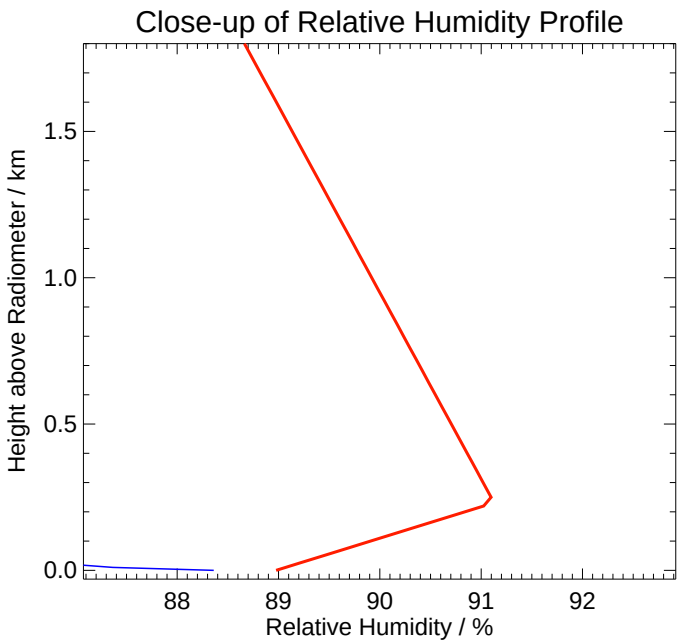

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

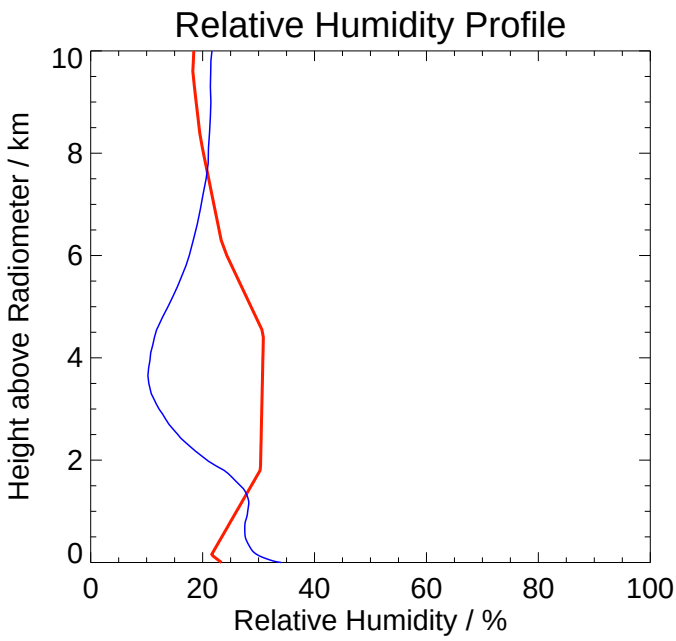

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95

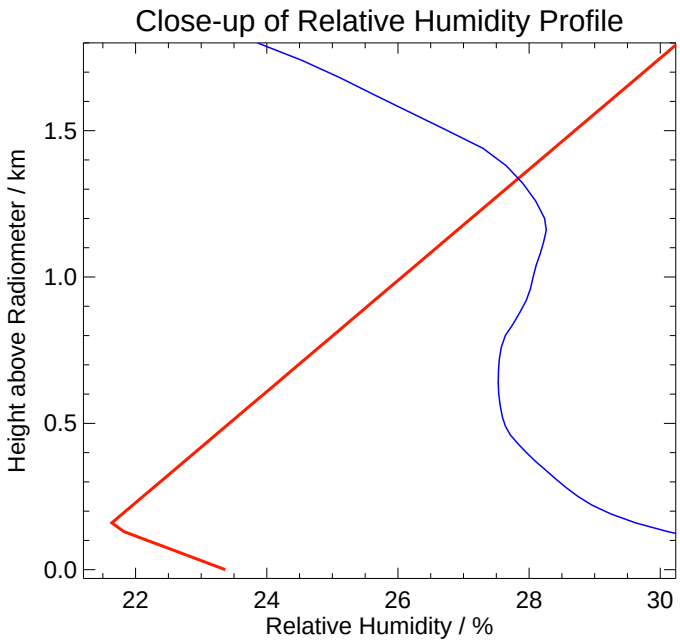

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

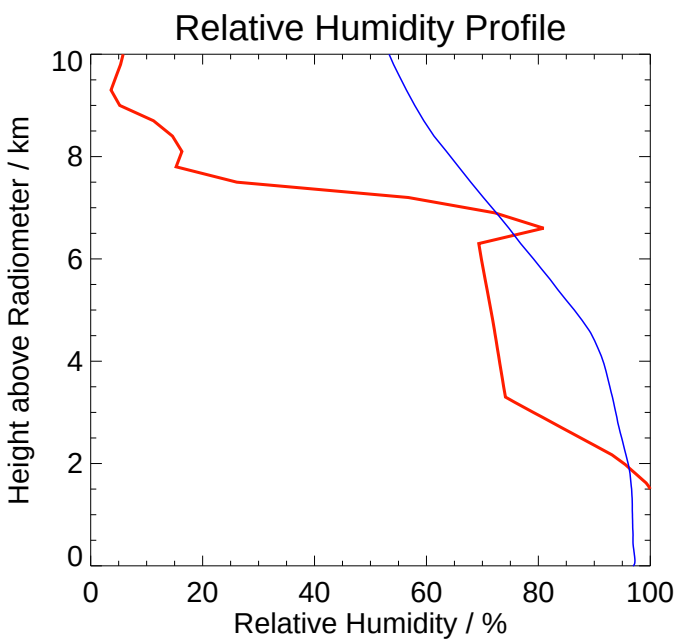

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96

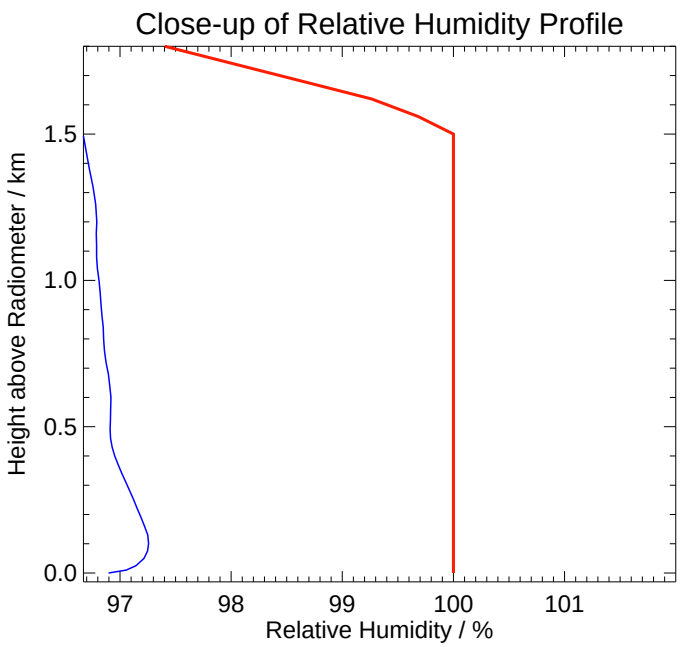

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

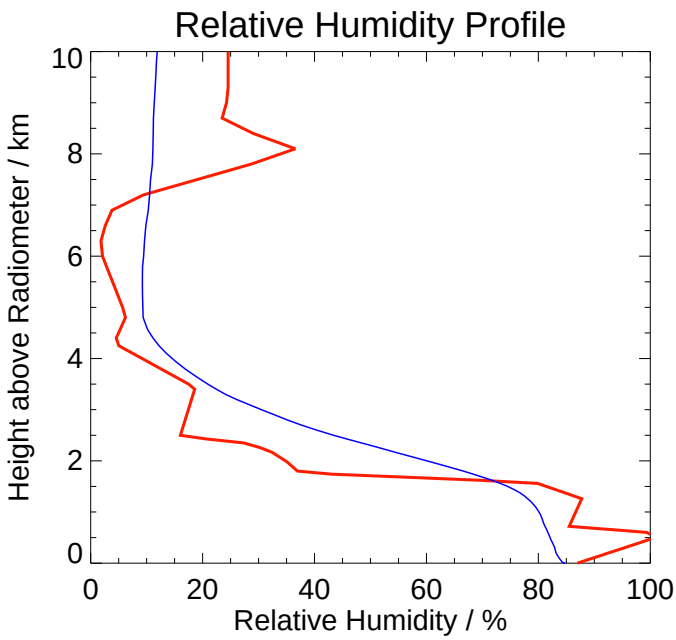

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
89
90
91
92

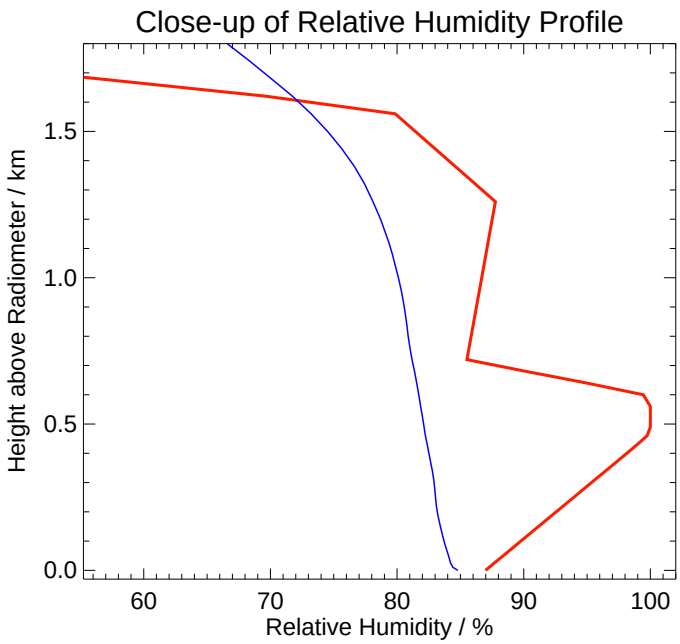

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

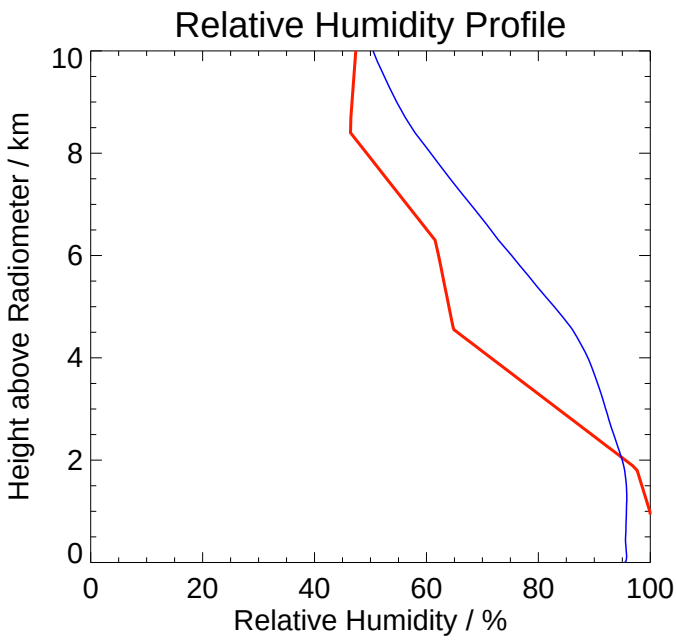

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
22
24
26
28
30

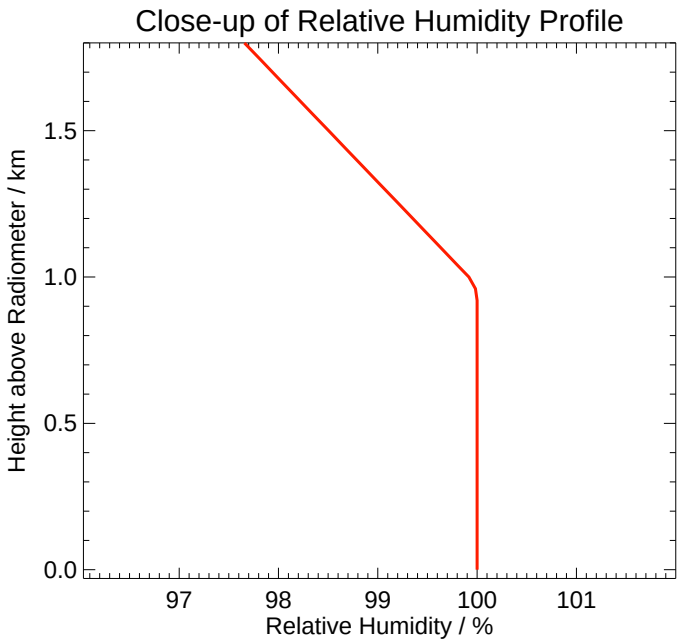

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

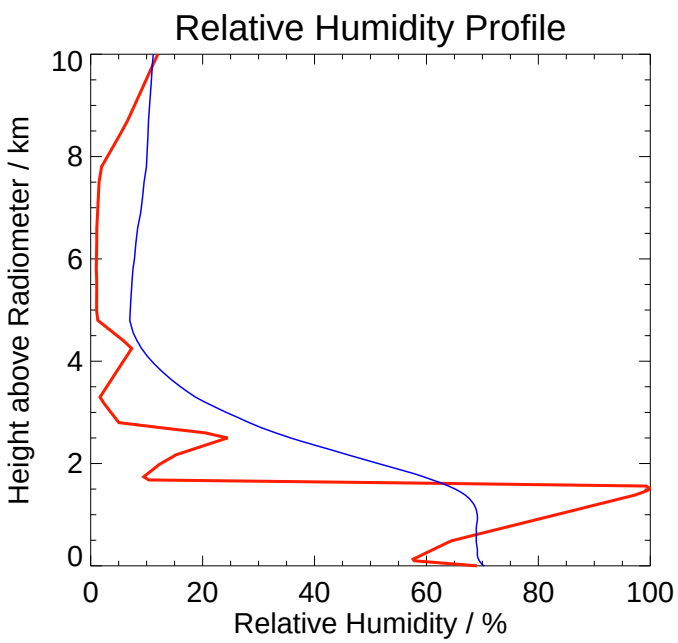

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

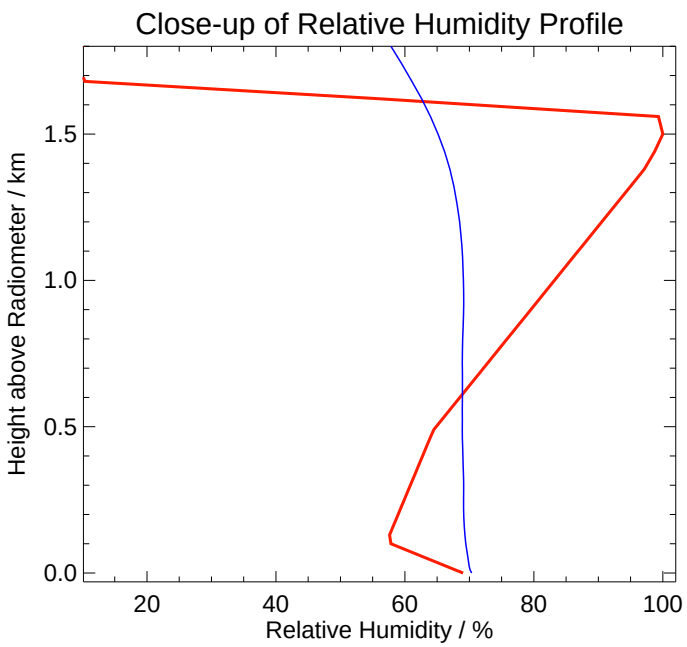

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

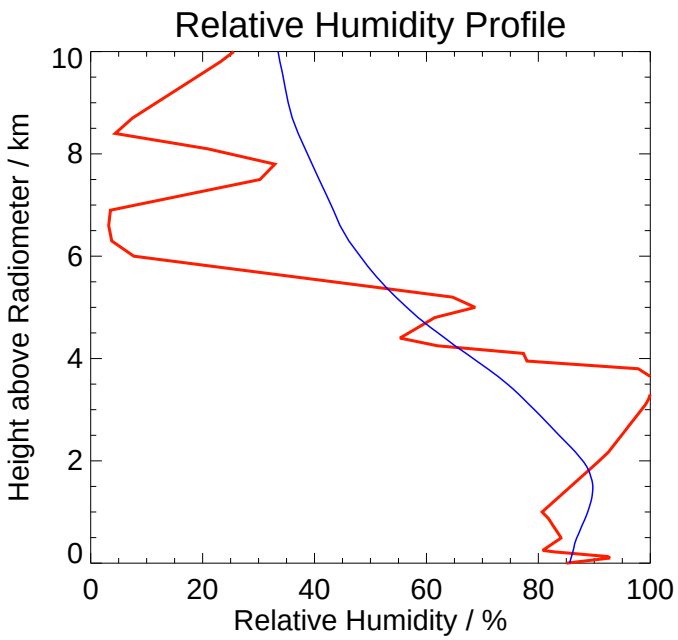

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90
100

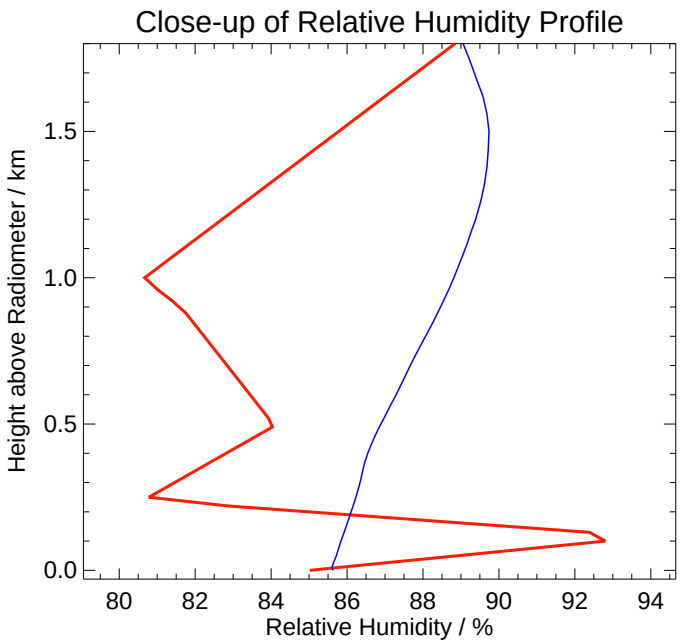

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

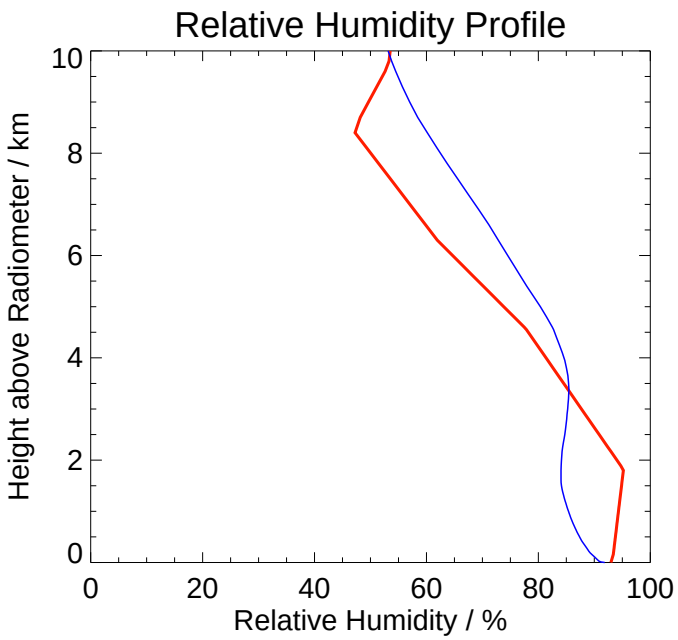

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

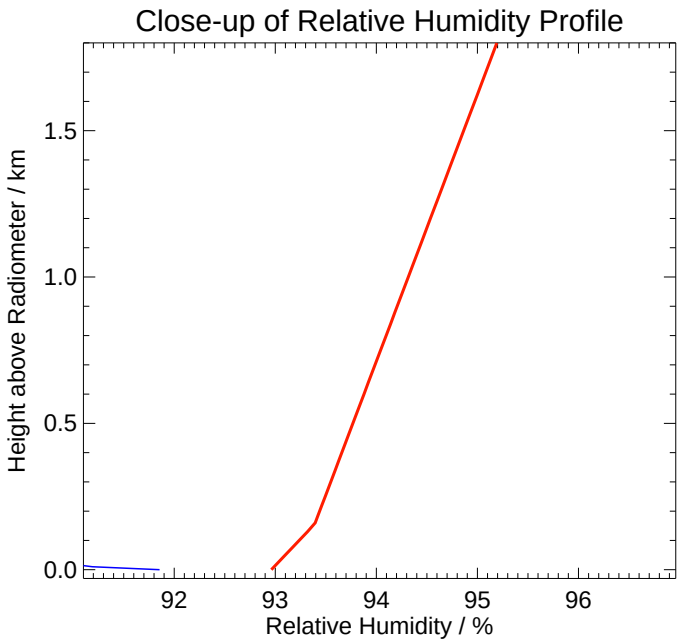

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

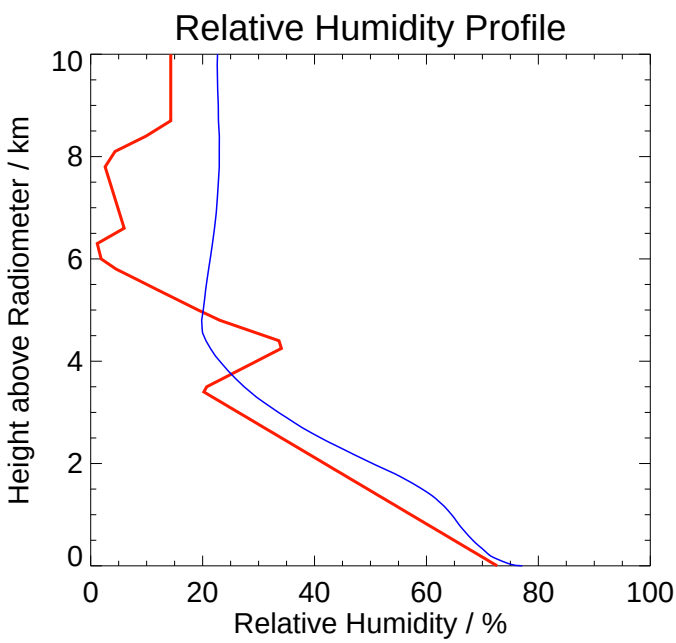

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
40
60
80
100

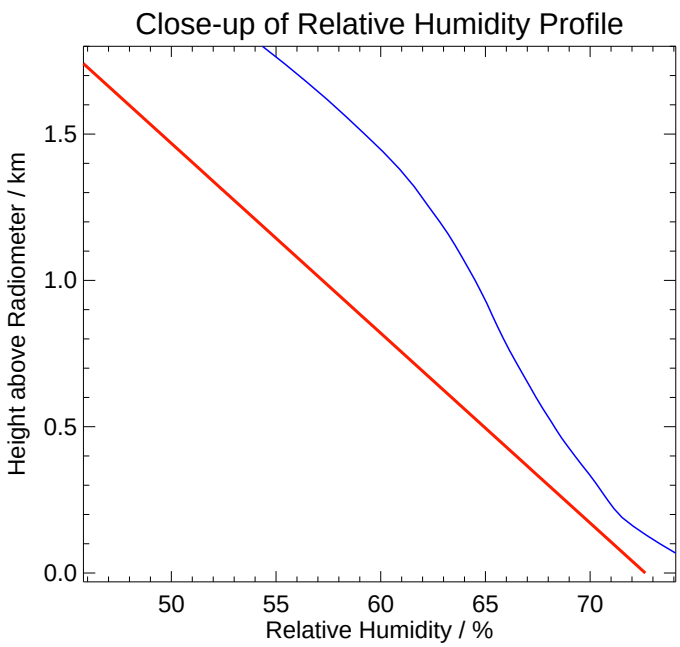

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

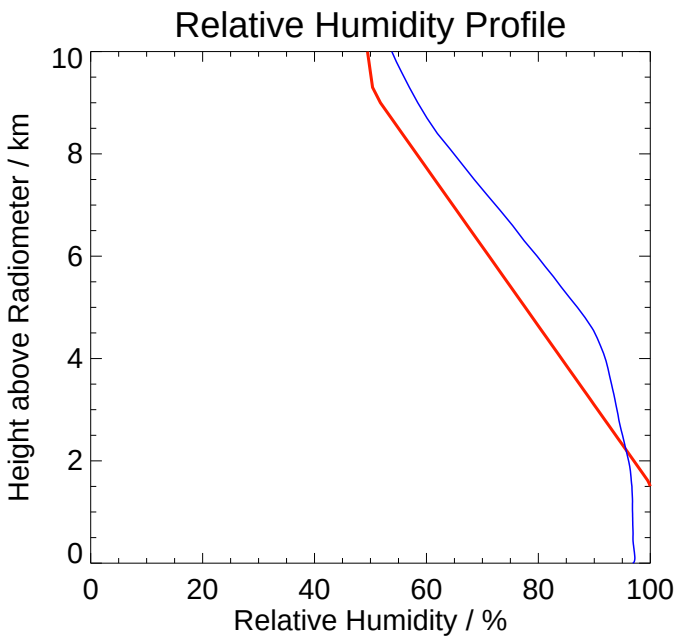

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
82
84
86
88
90
92
94

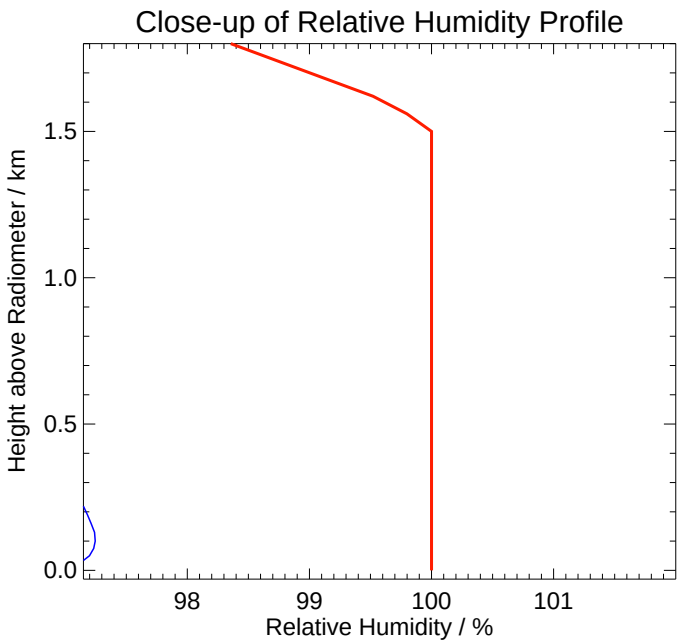

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

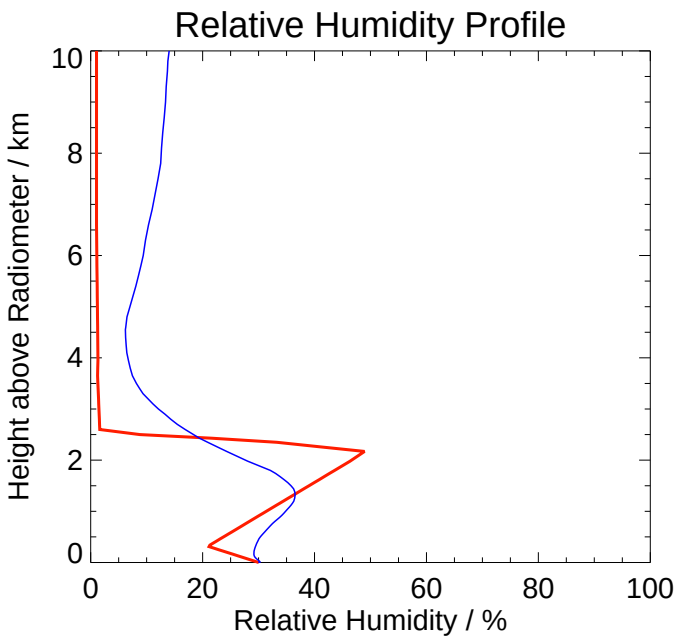

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
93
94
95
96

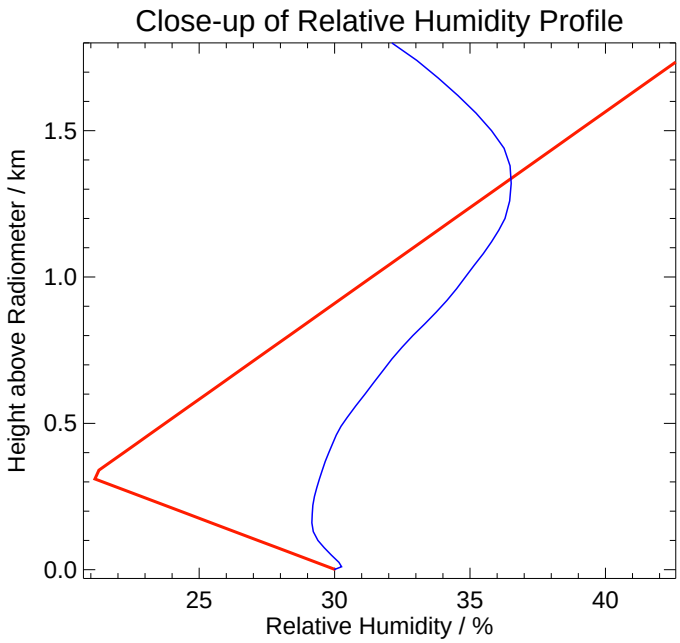

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

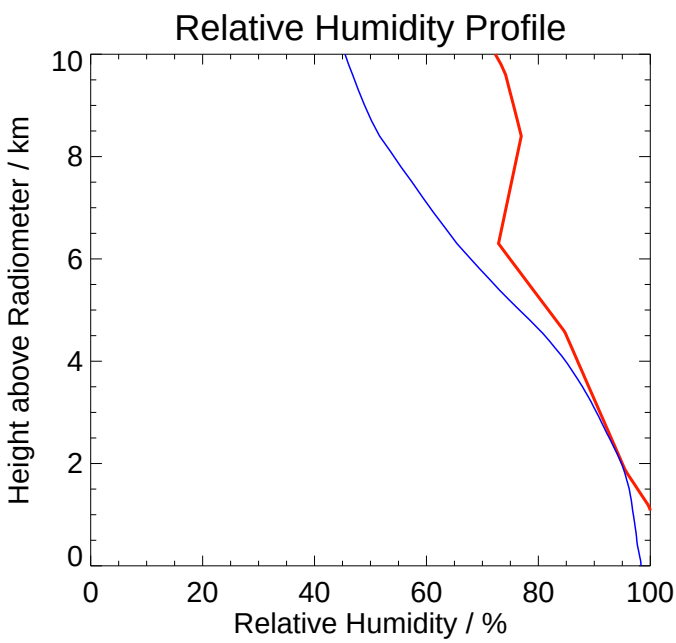

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
55
60
65
70

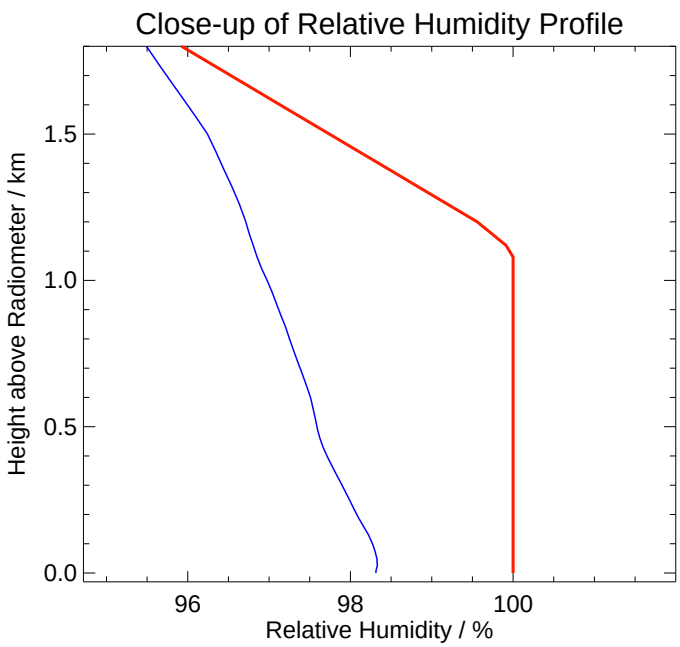

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

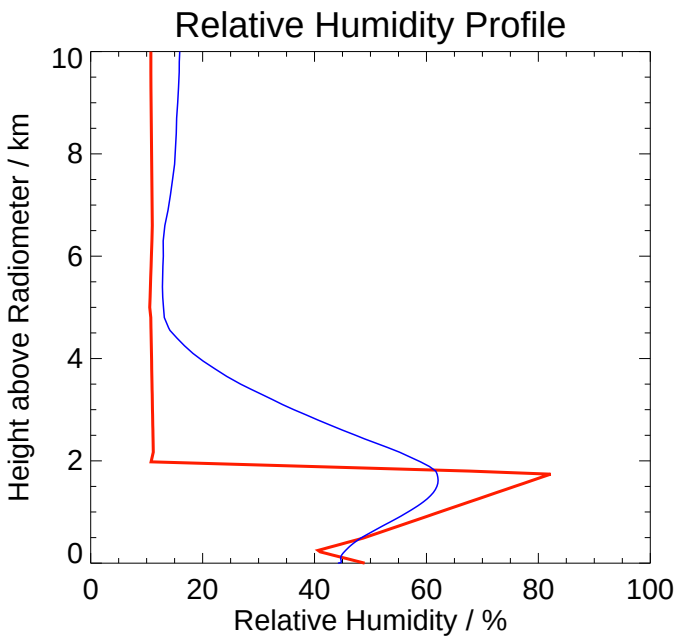

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

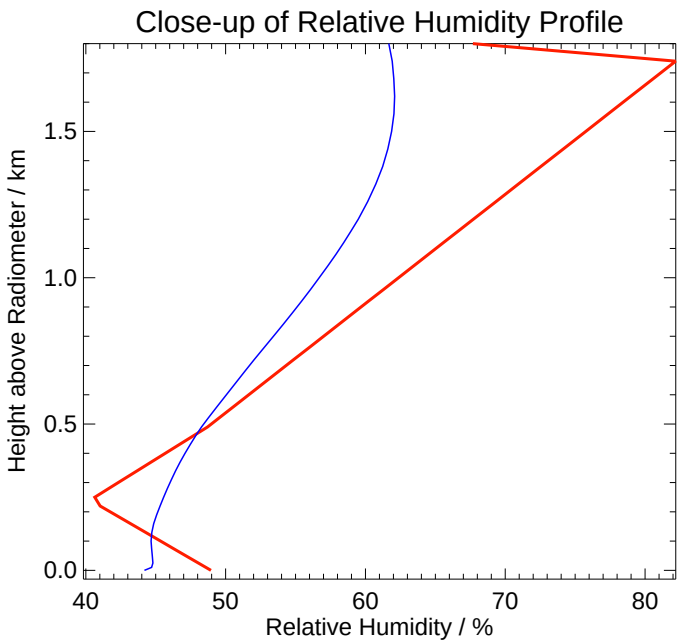

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

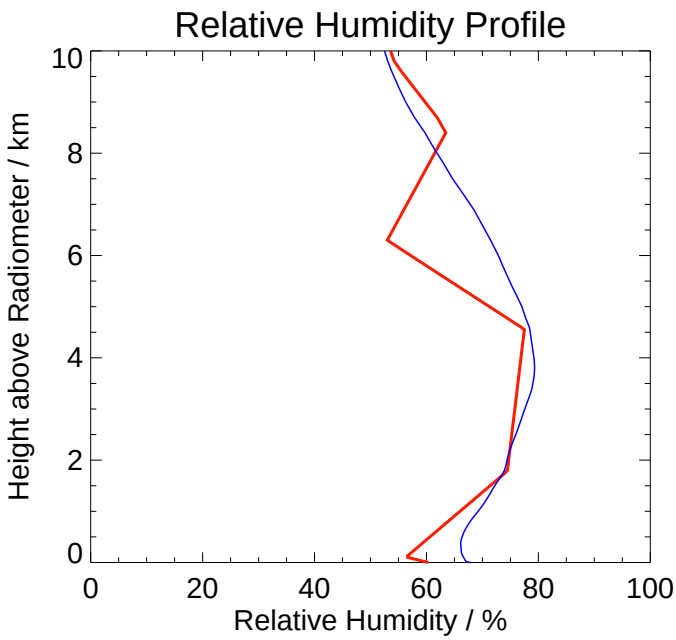

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
25
30
35
40

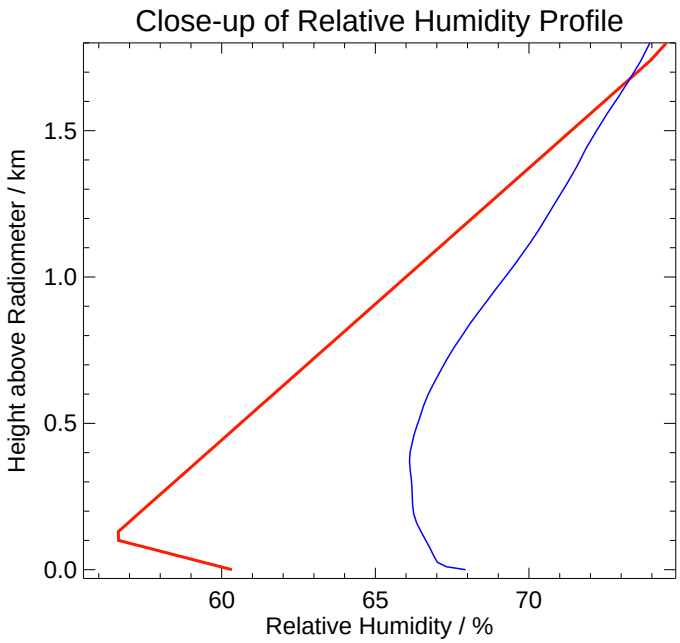

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

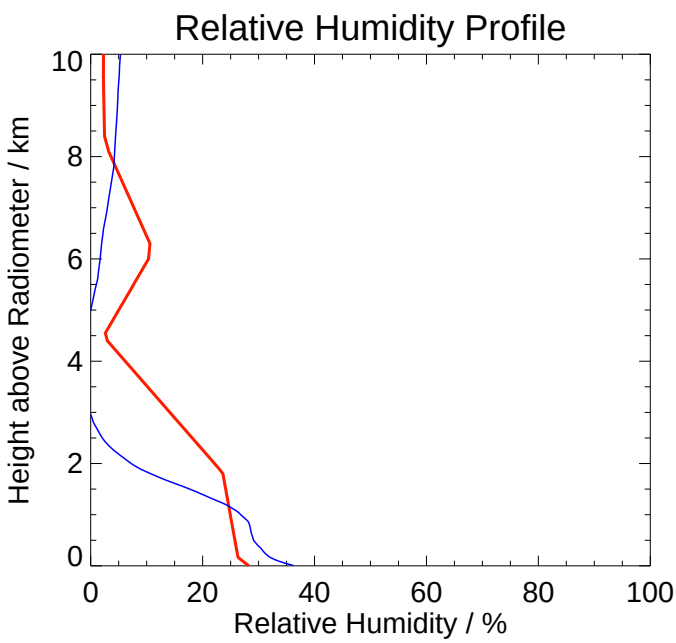

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

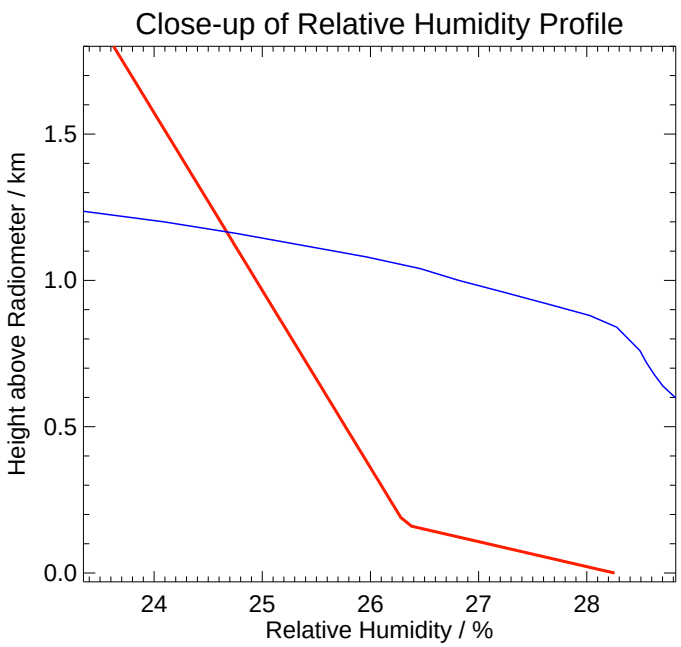

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

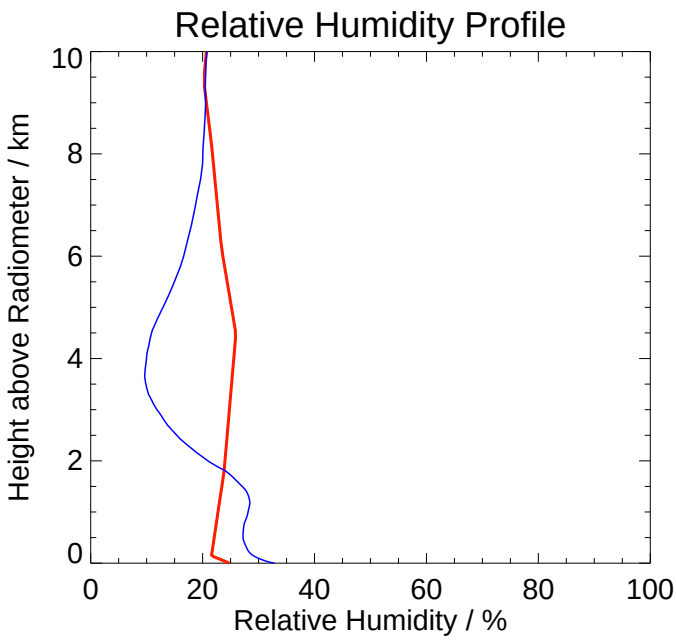

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80

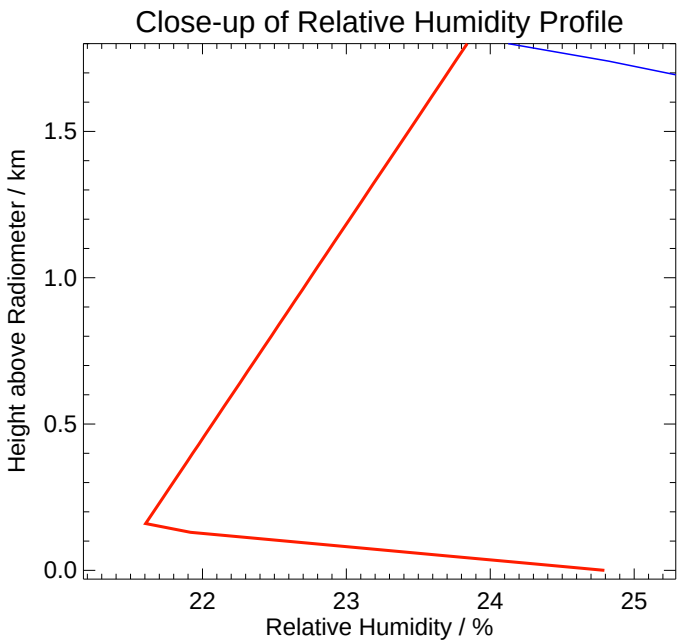

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

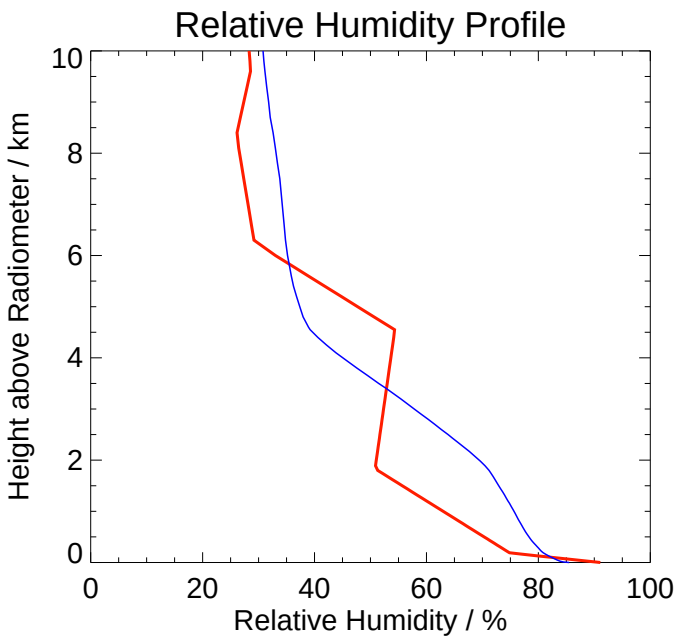

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70

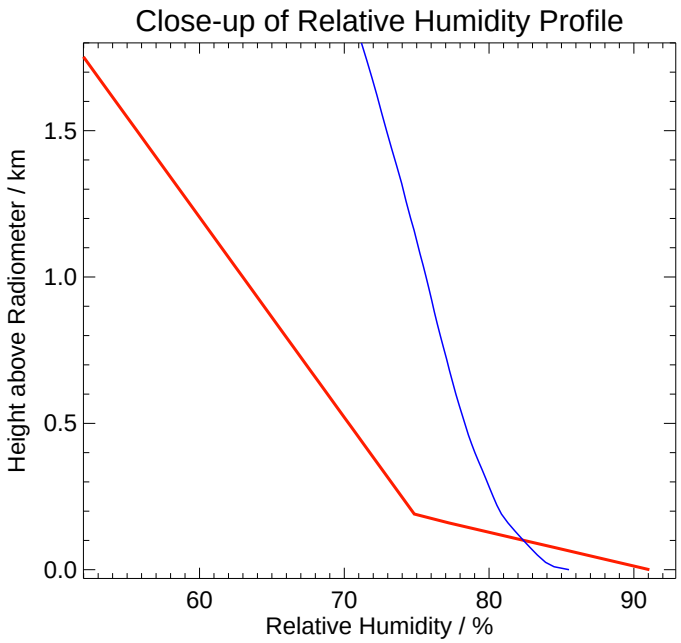

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

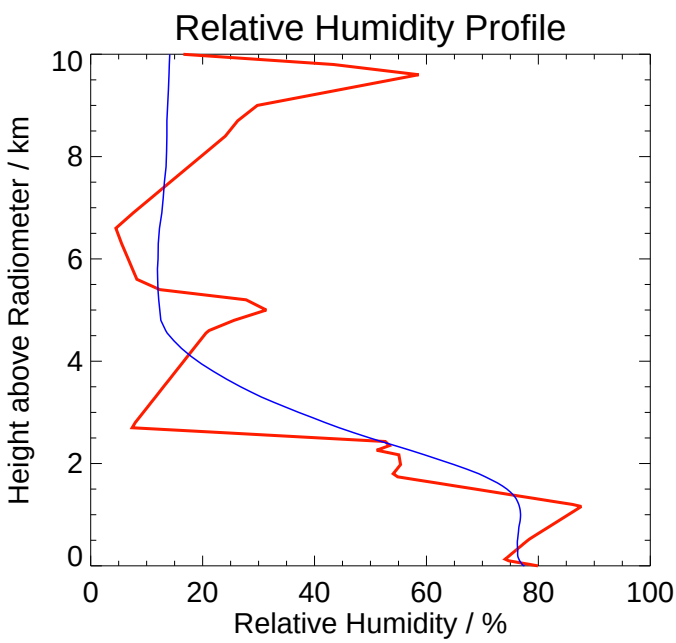

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
24
25
26
27
28

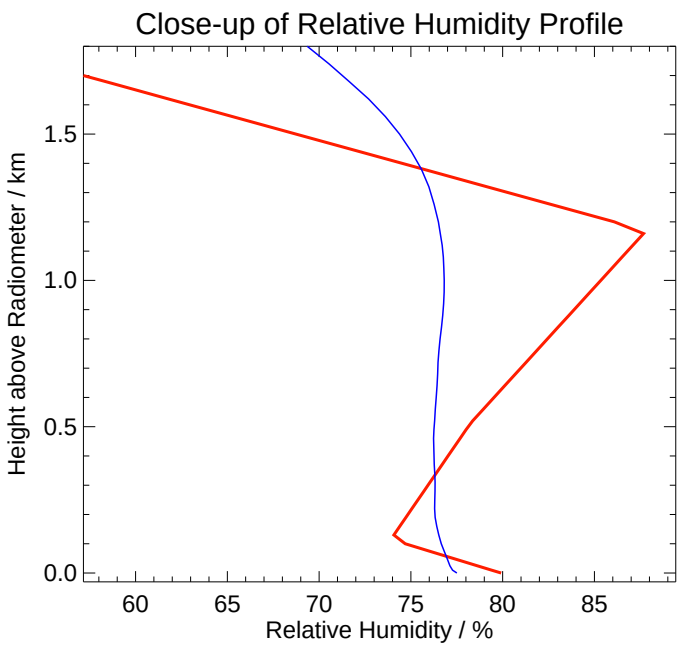

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

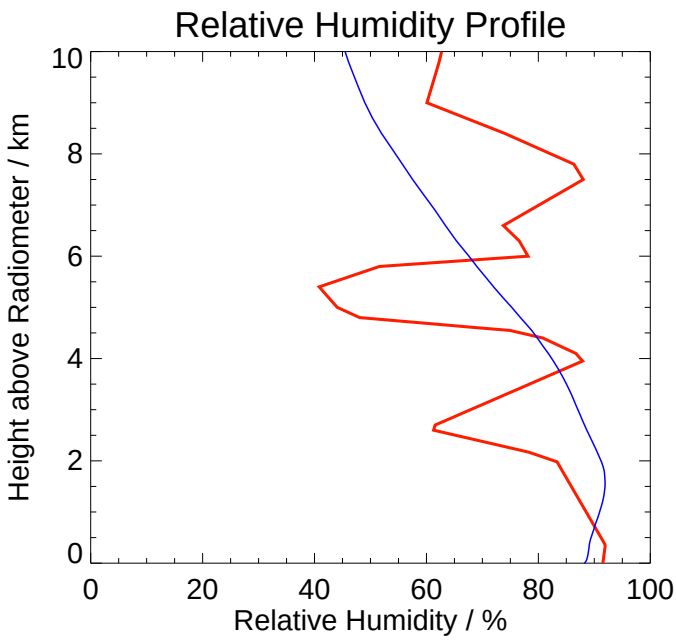

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
22
23
24
25

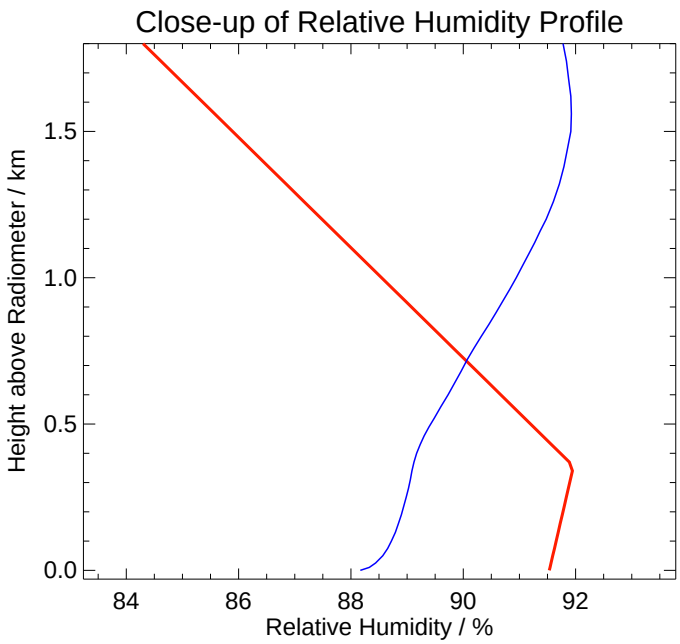

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

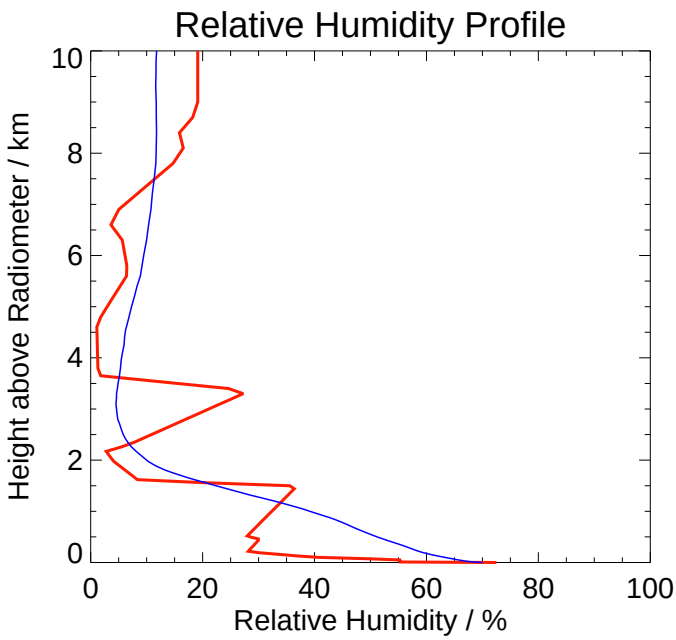

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

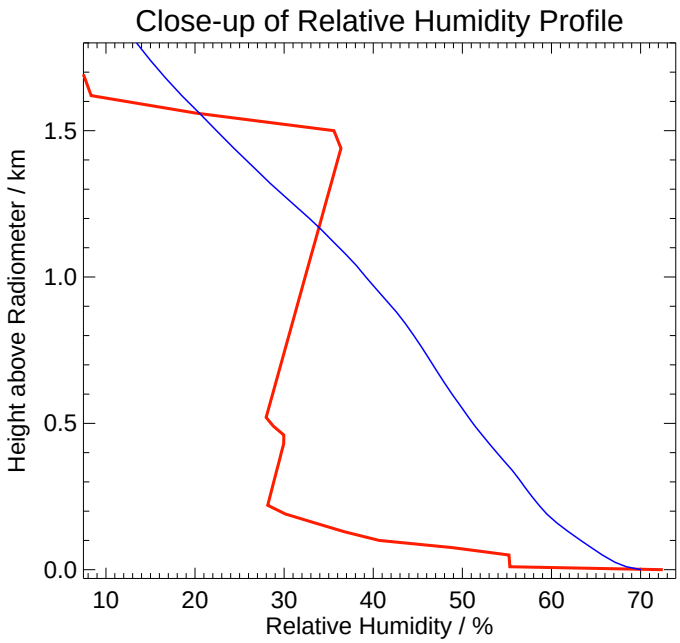

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

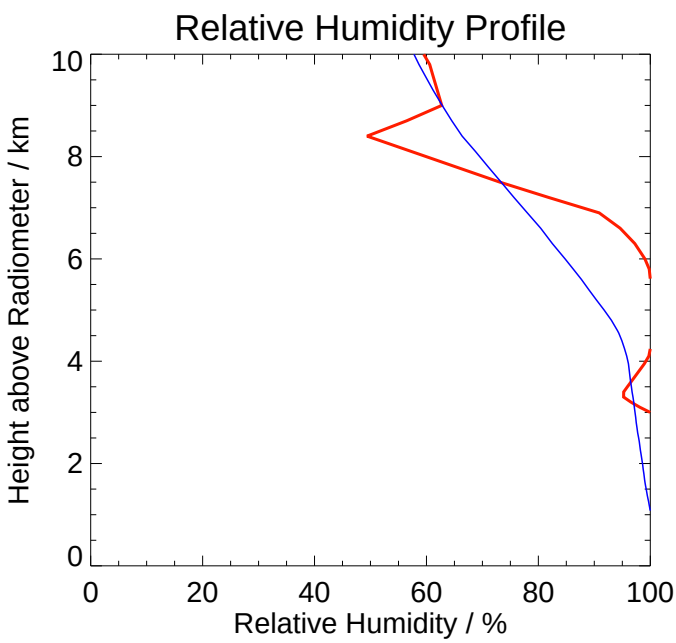

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85

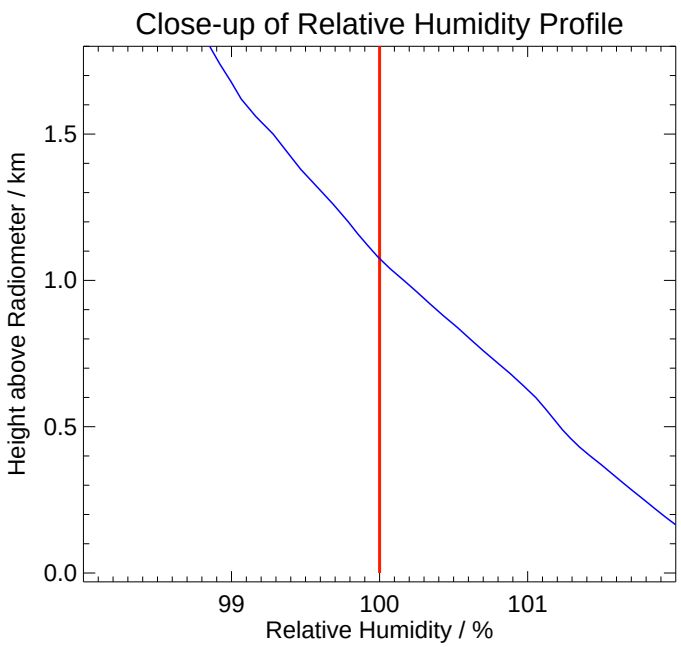

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

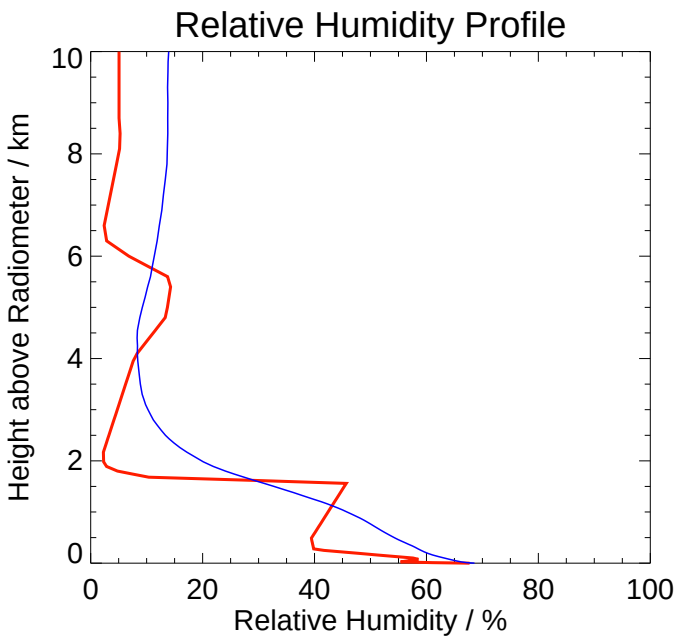

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
84
86
88
90
92

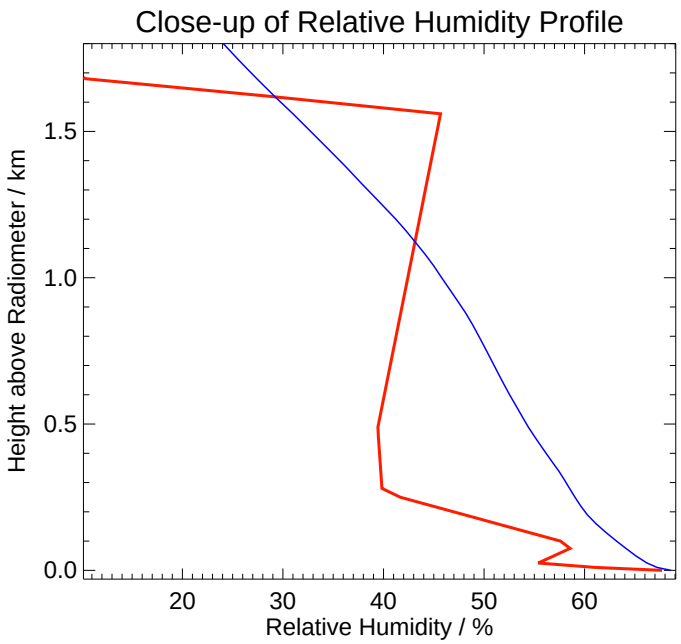

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

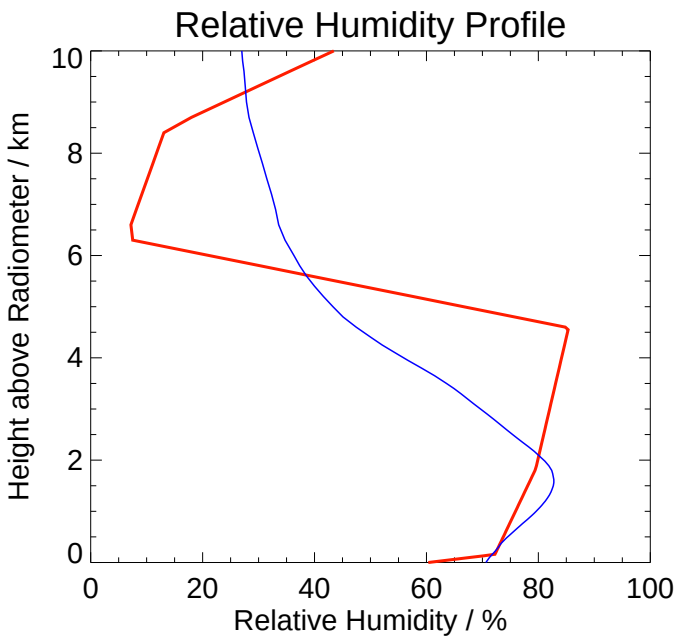

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
10
20
30
40
50
60
70

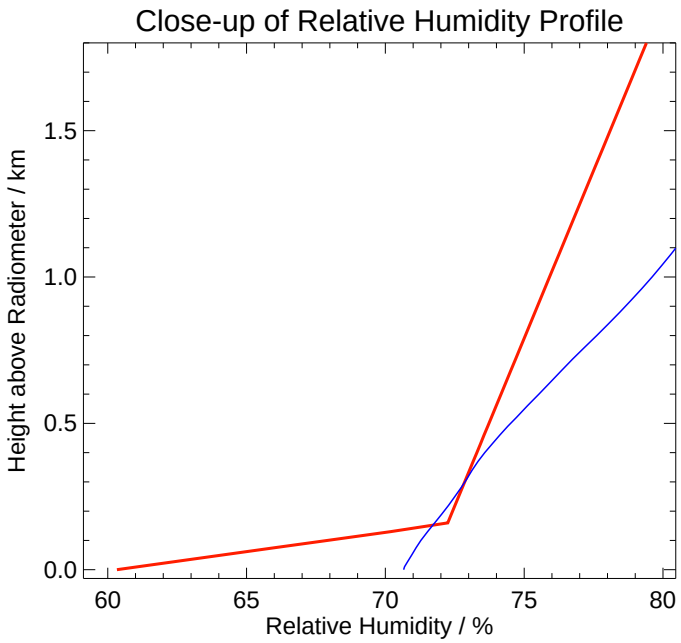

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

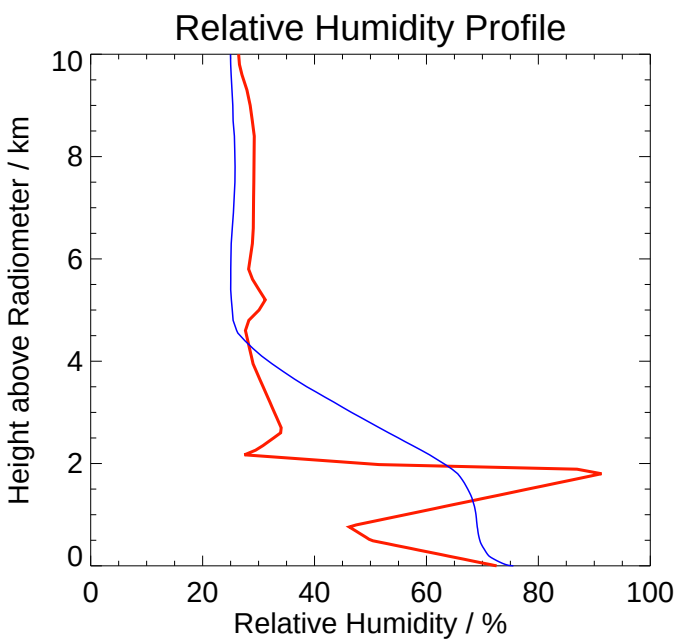

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

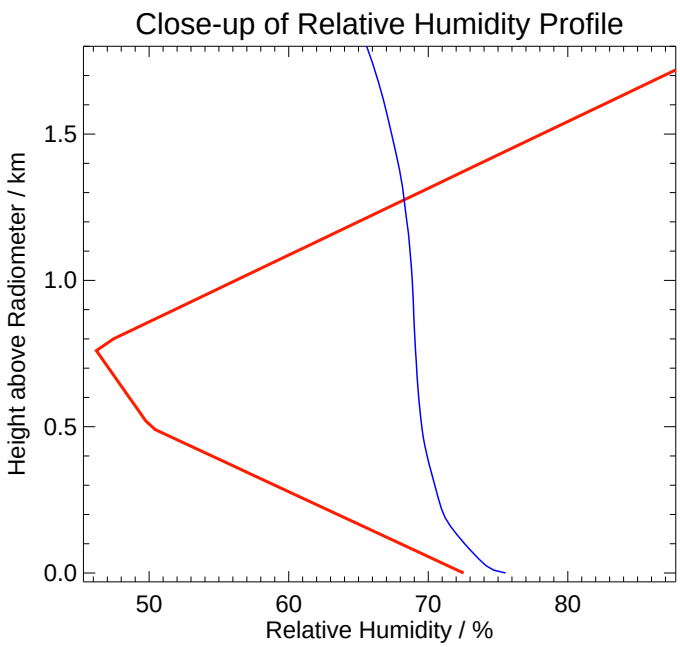

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

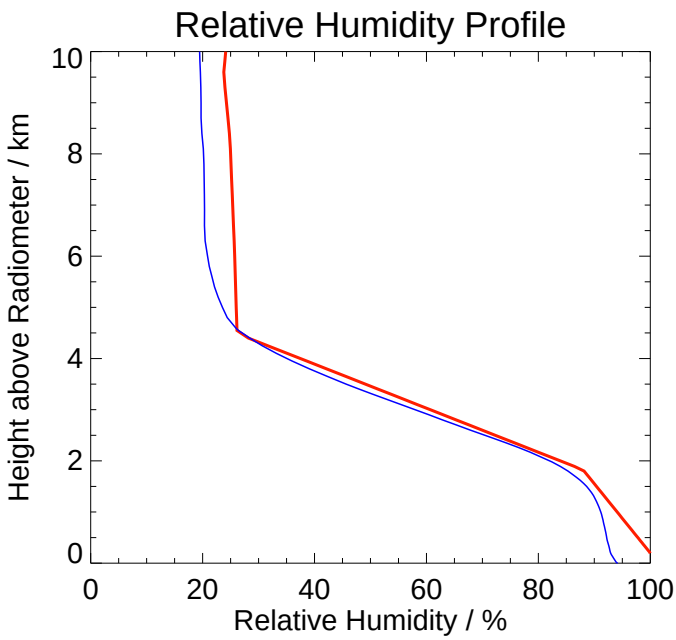

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60

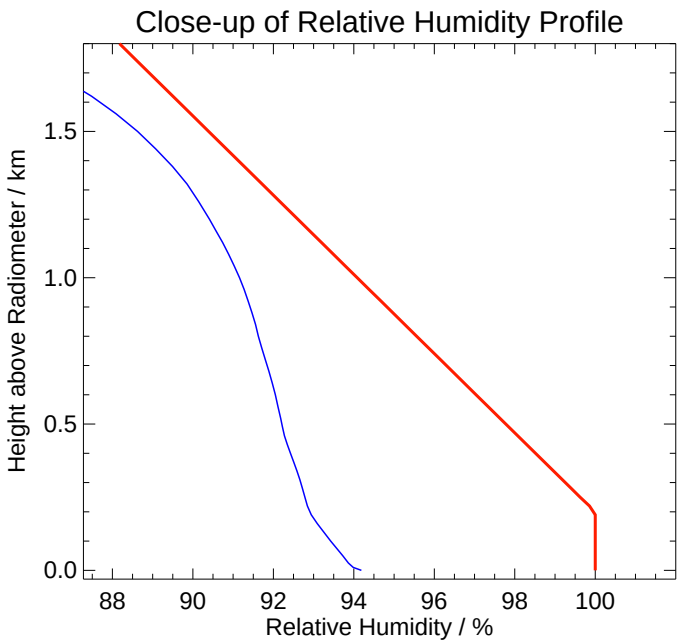

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

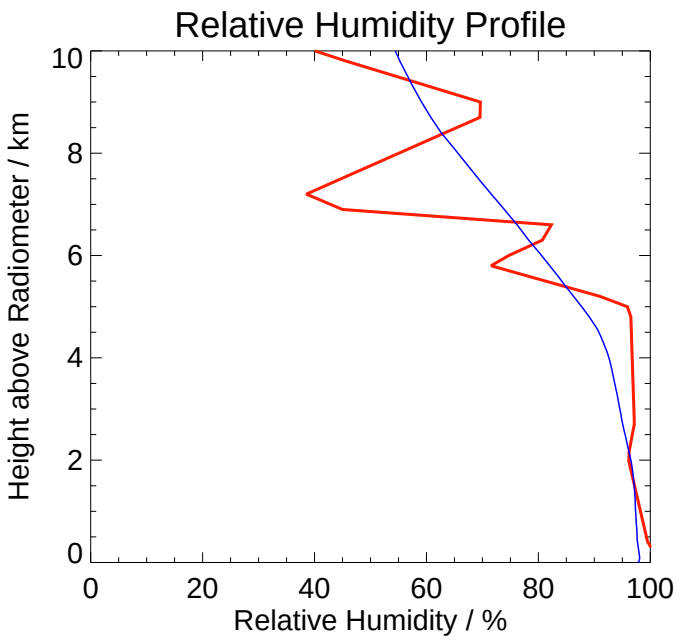

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80

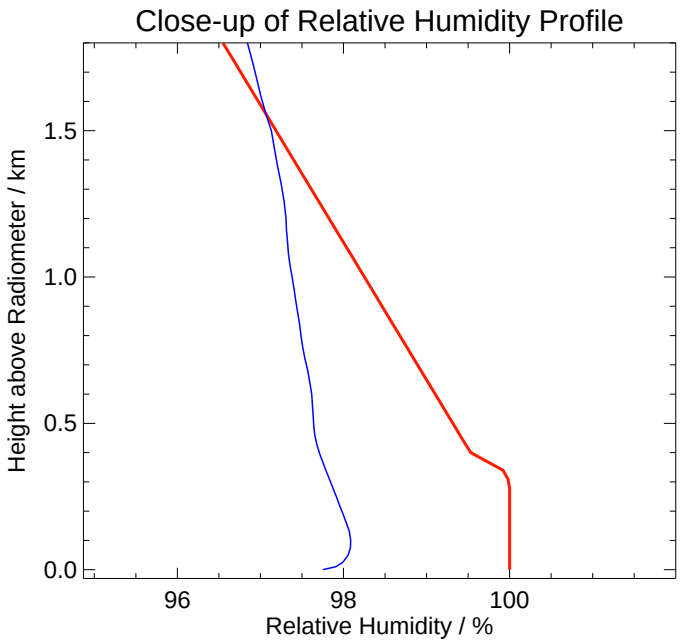

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

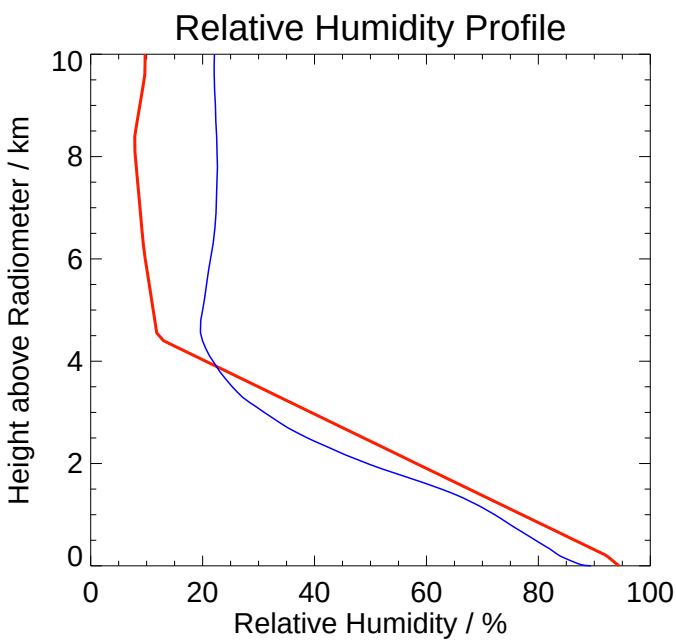

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80

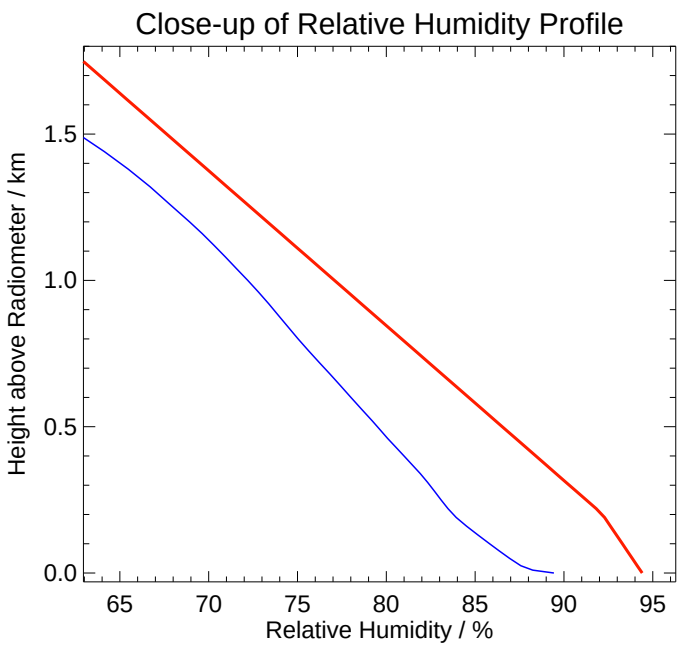

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

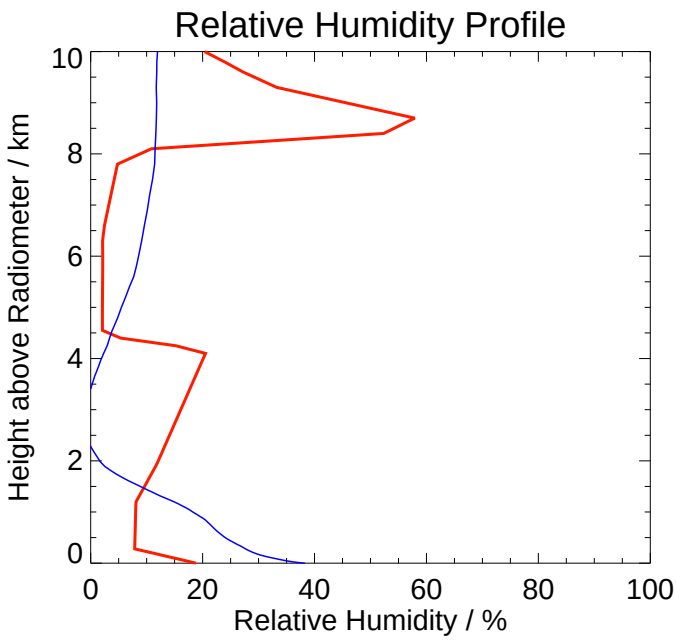

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96
98
100

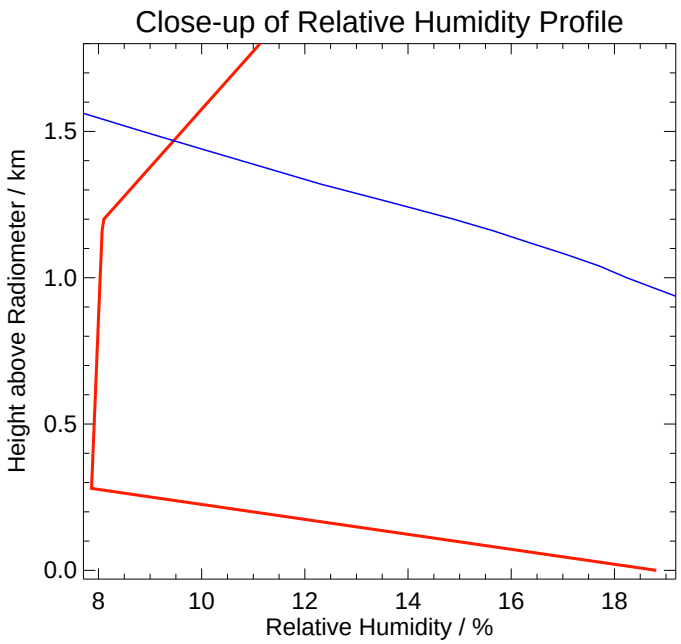

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

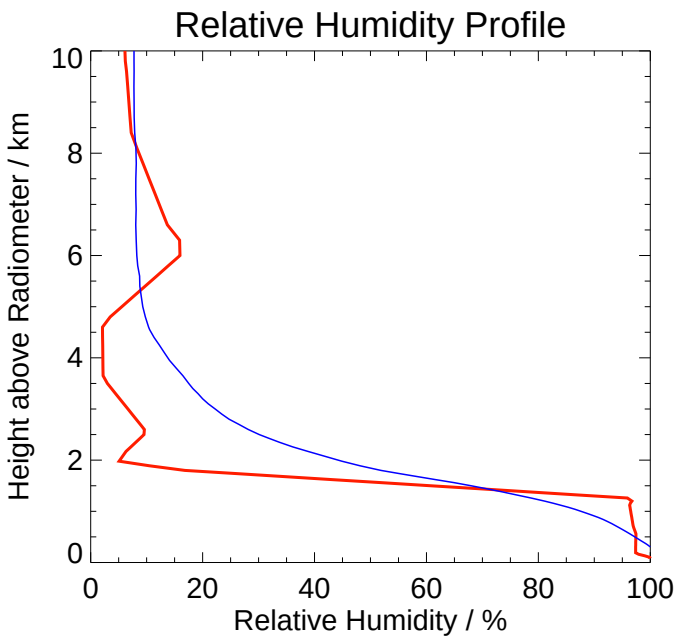

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

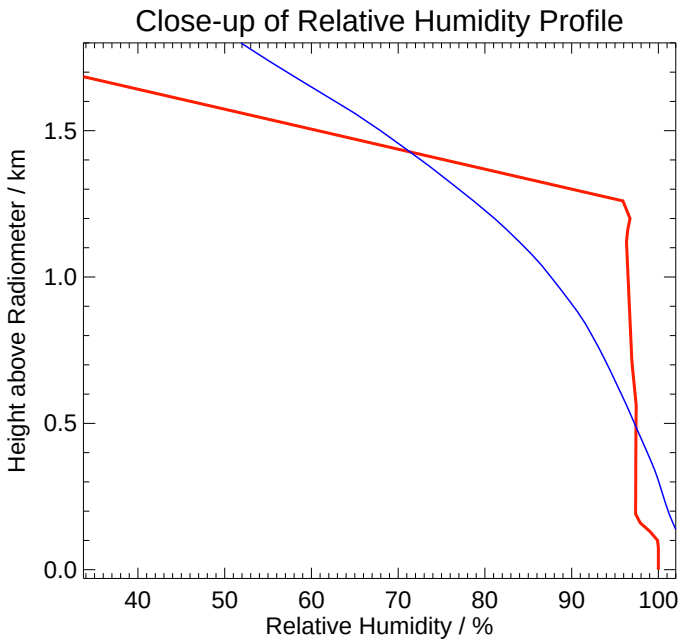

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

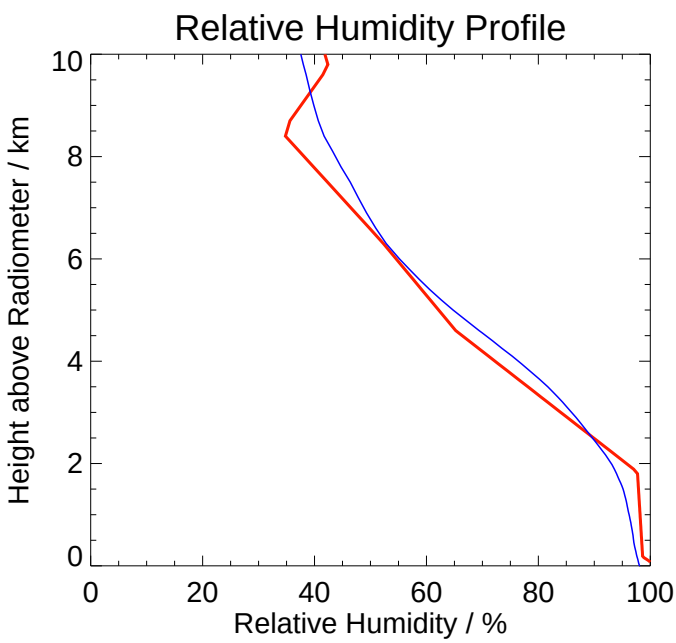

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85
90
95

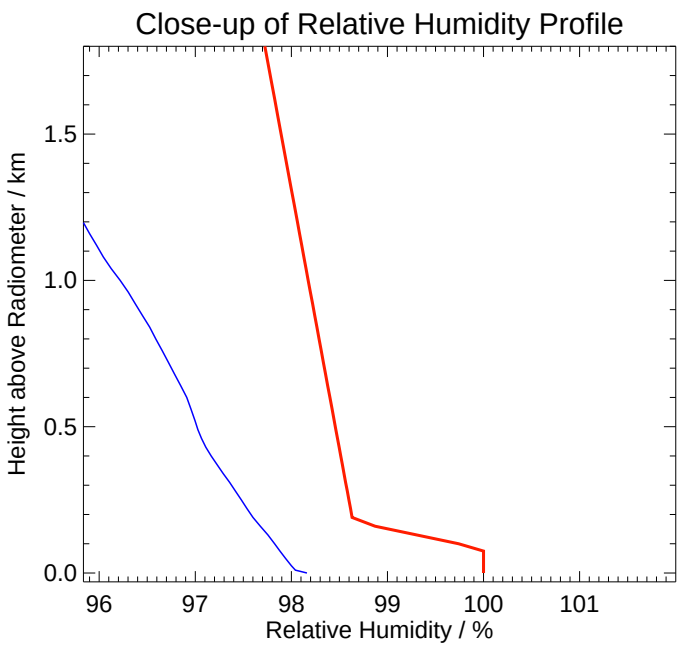

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

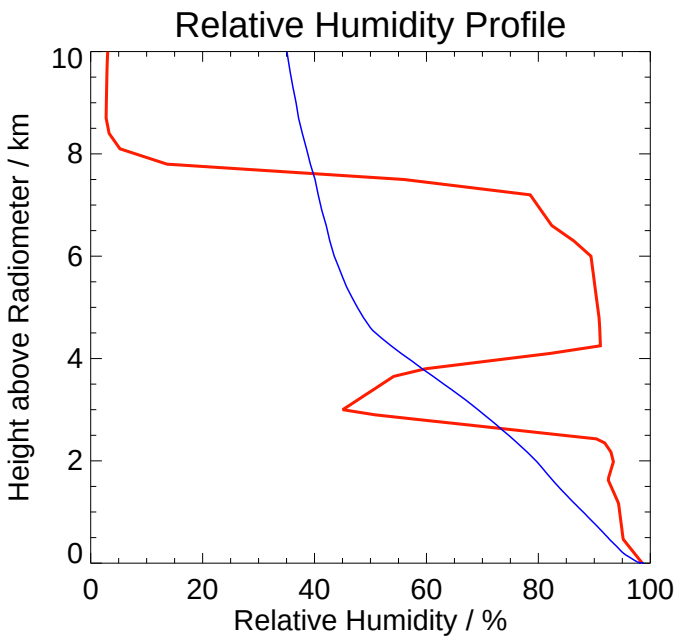

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
8
10
12
14
16
18

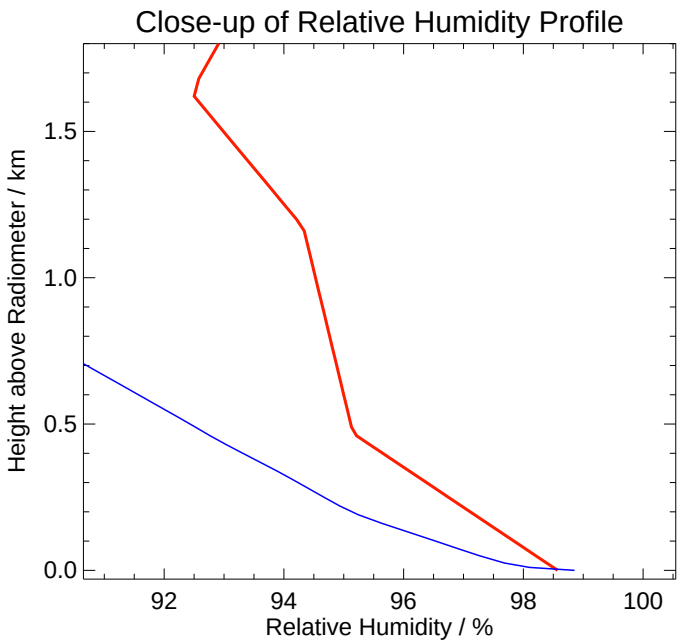

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

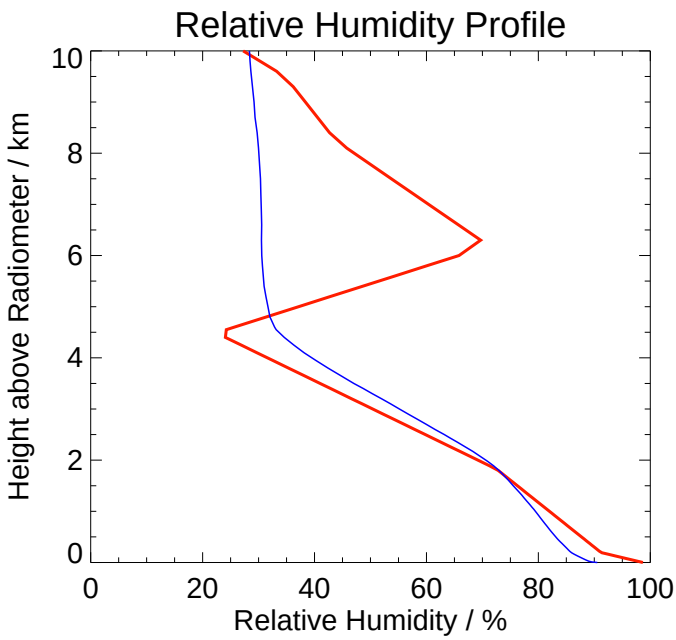

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80
90
100

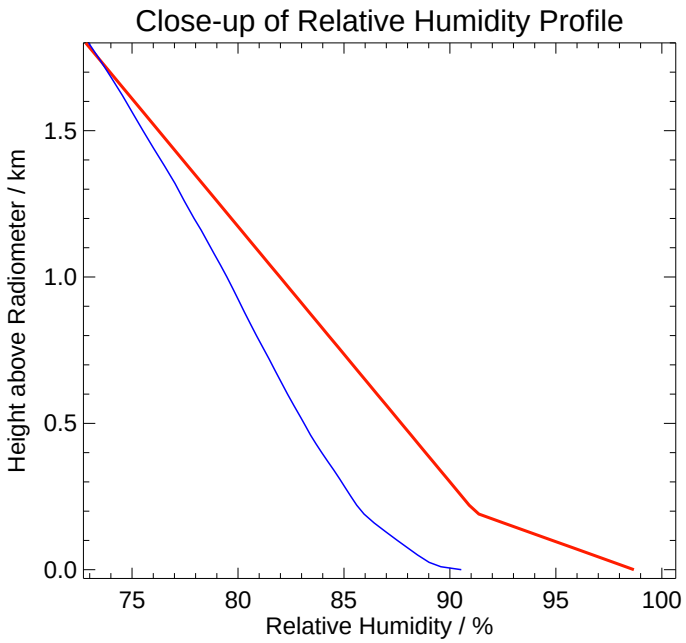

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

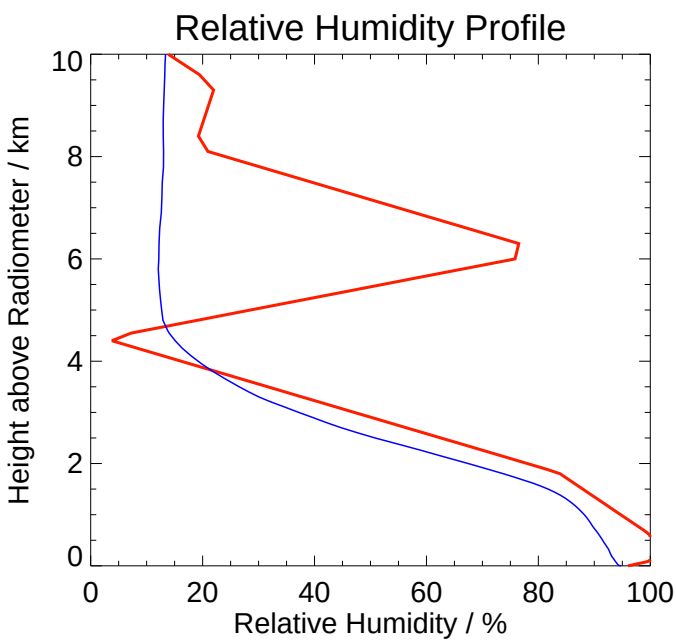

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

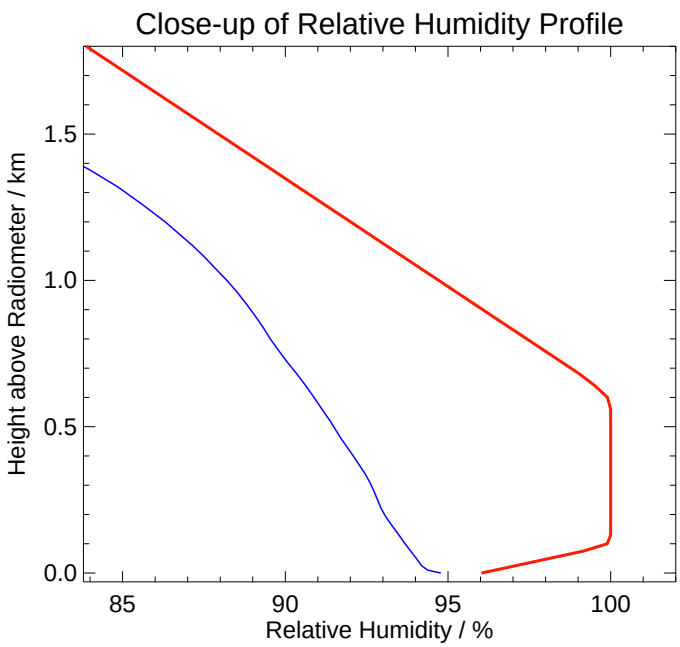

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

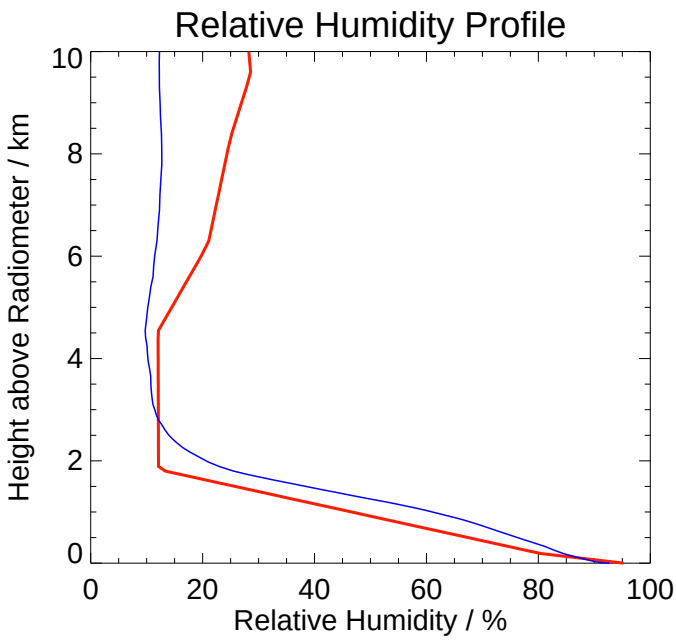

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
94
96
98
100

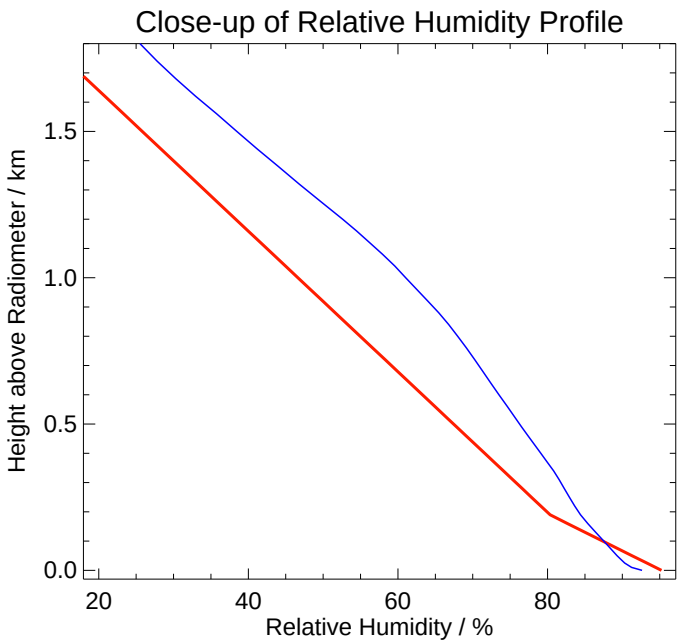

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

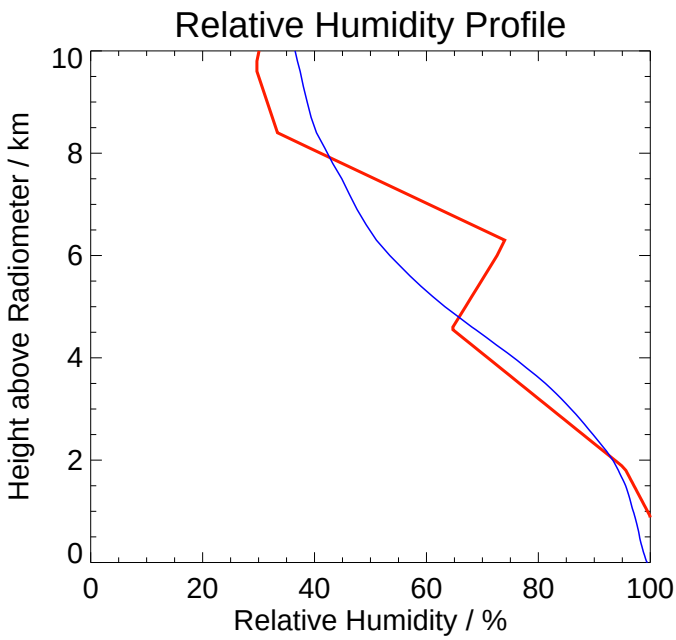

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

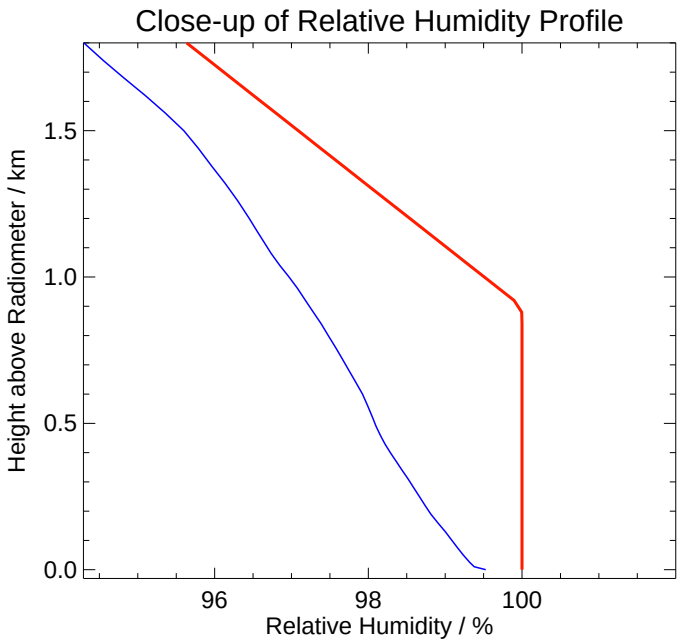

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

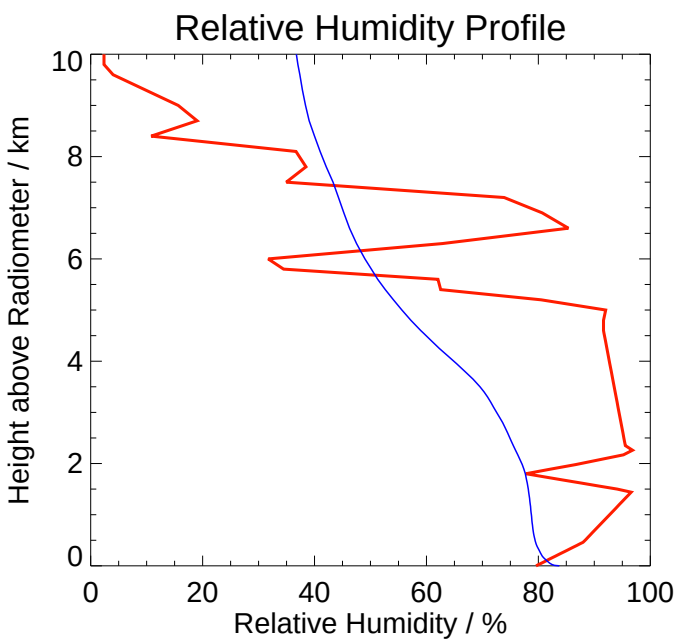

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

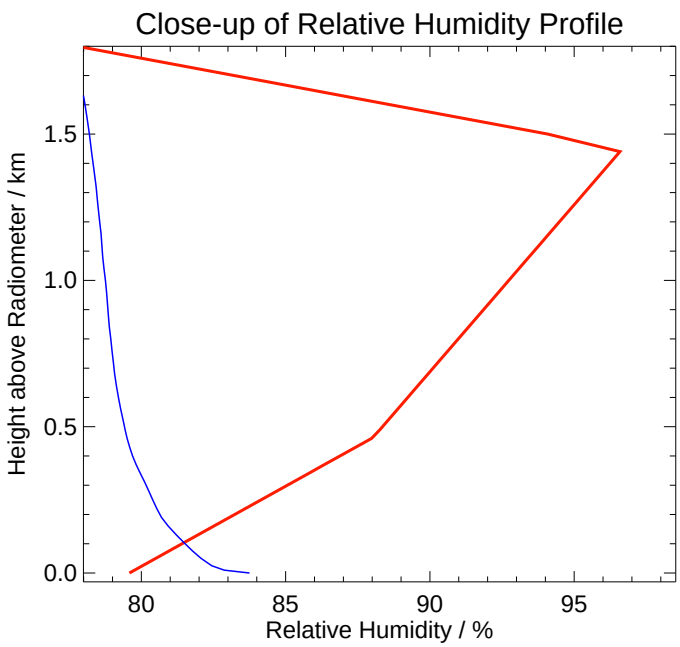

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

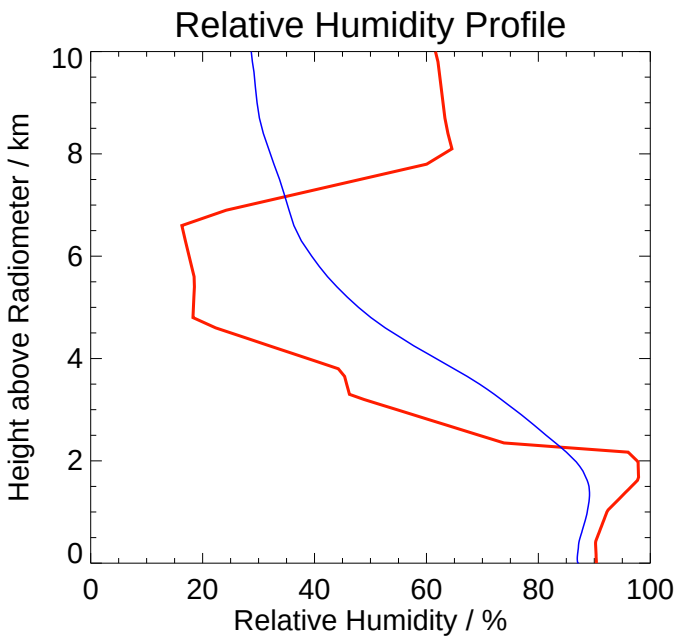

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
40
60
80

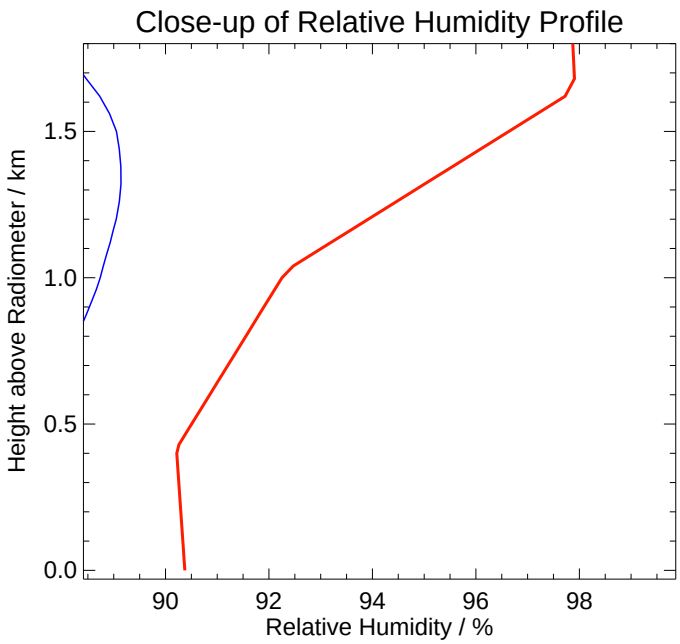

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

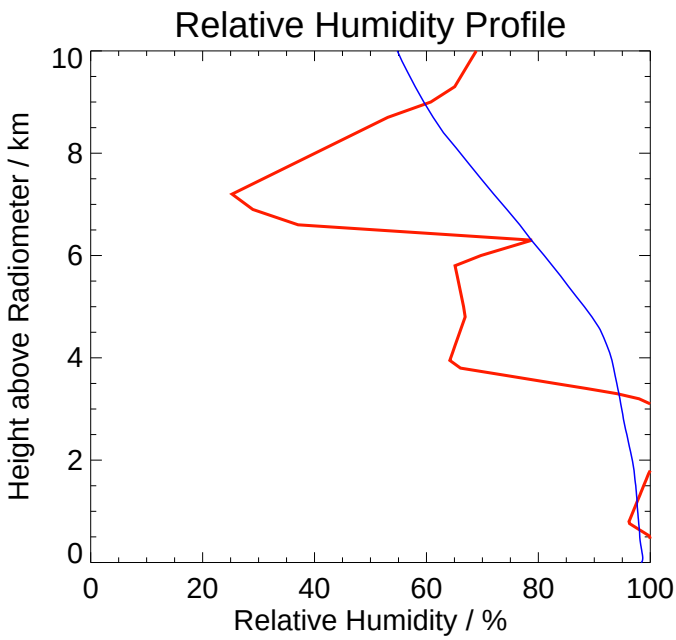

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

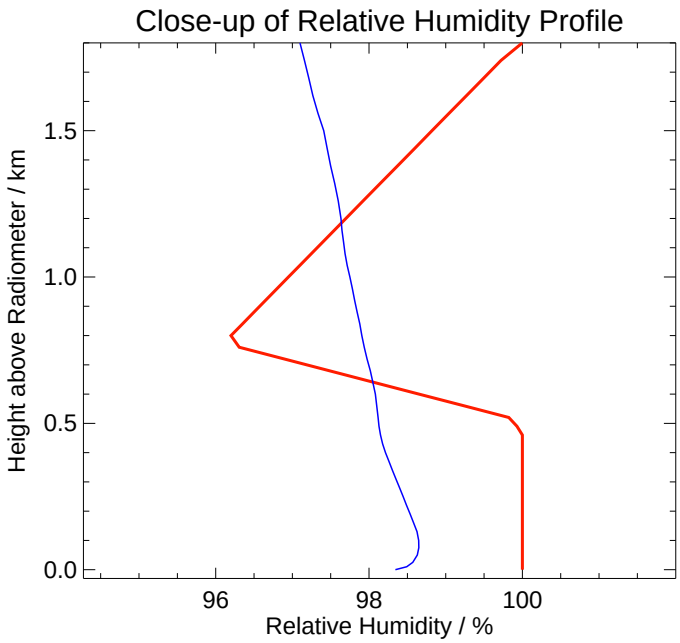

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

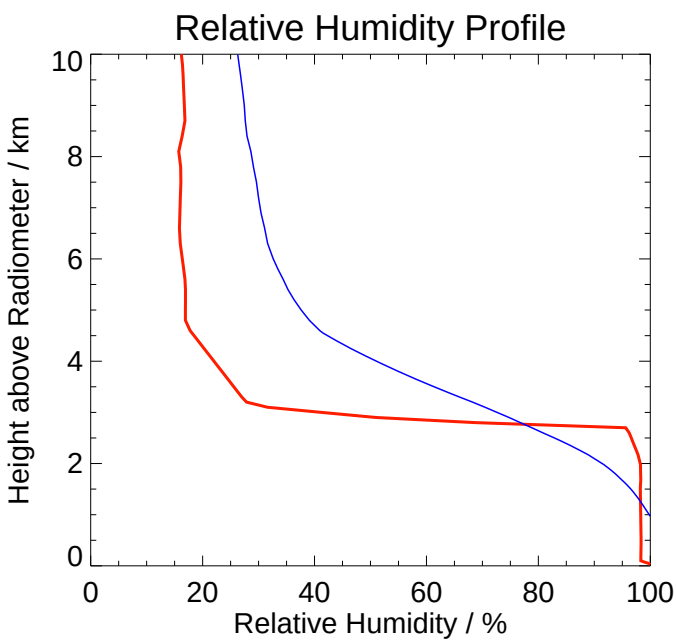

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95

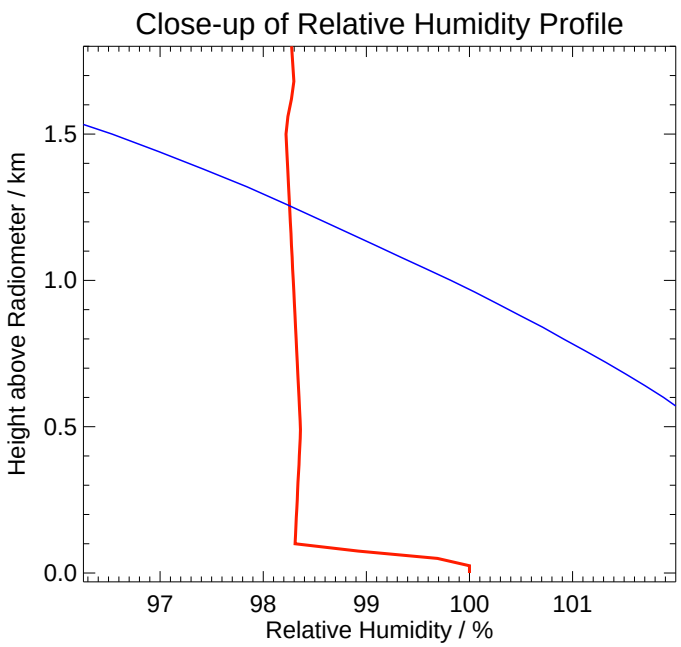

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

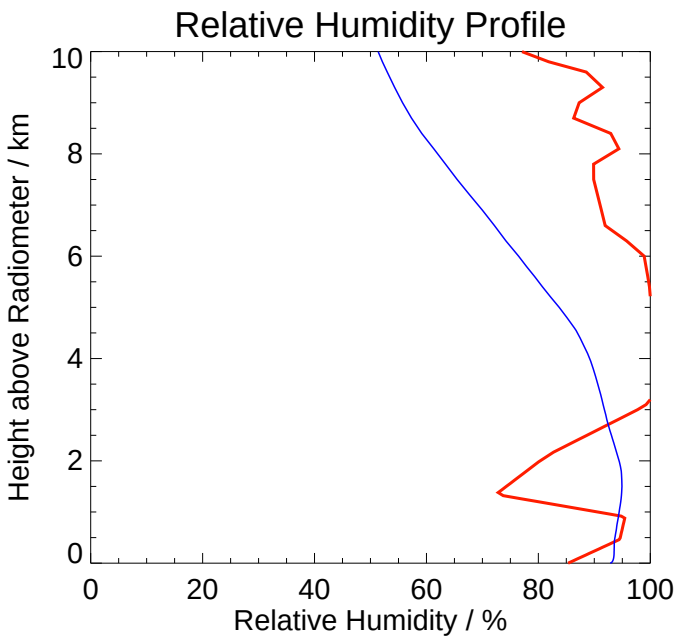

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98

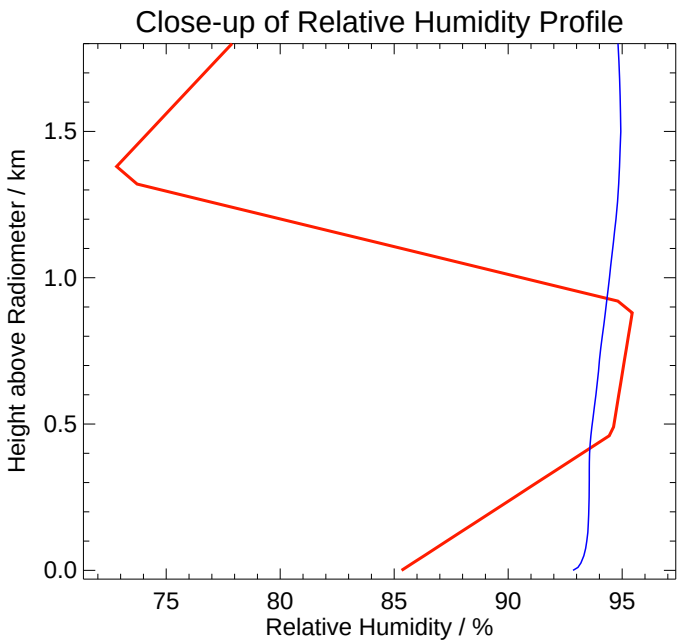

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

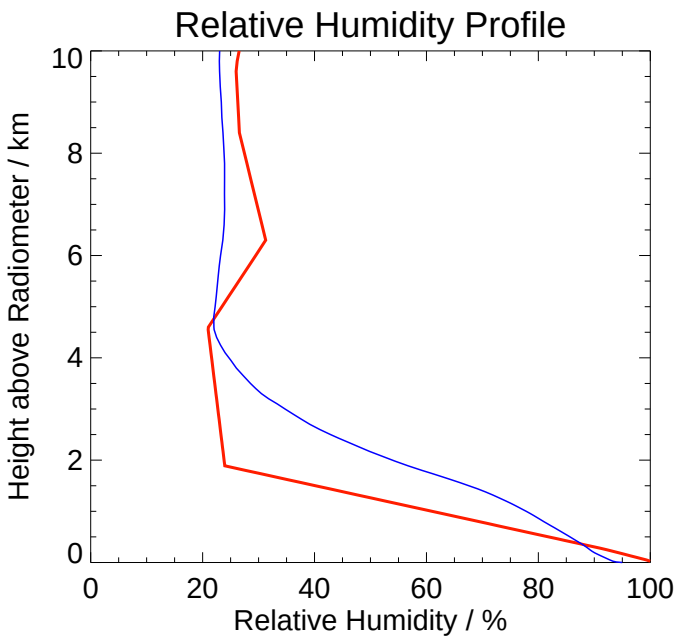

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

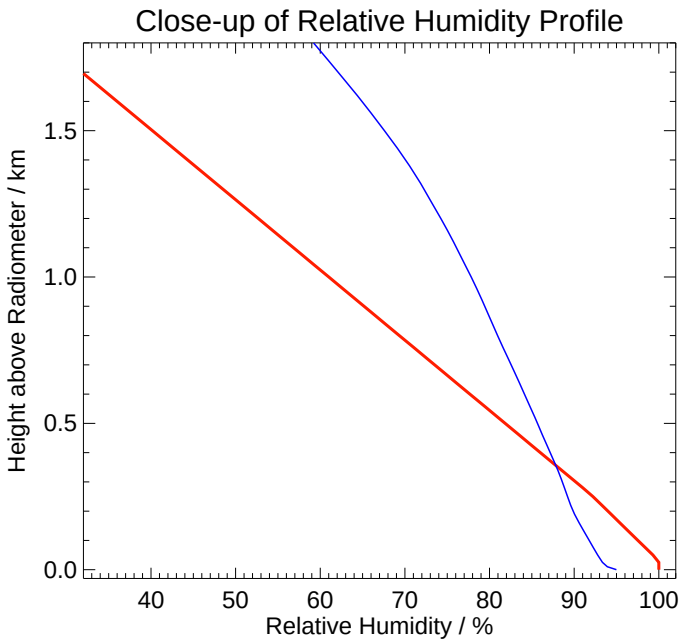

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

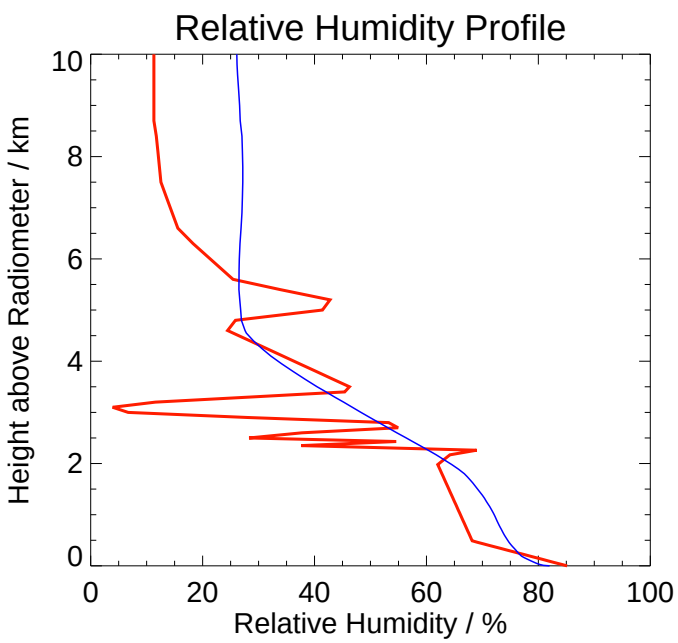

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

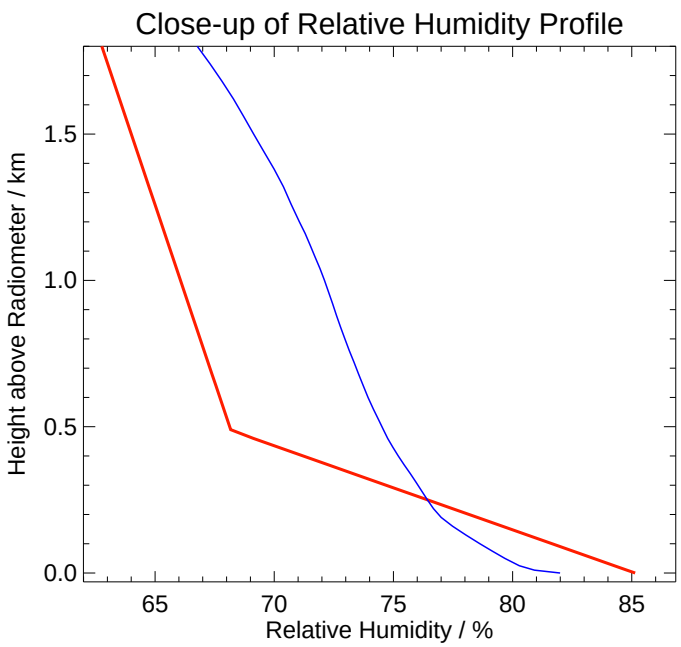

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

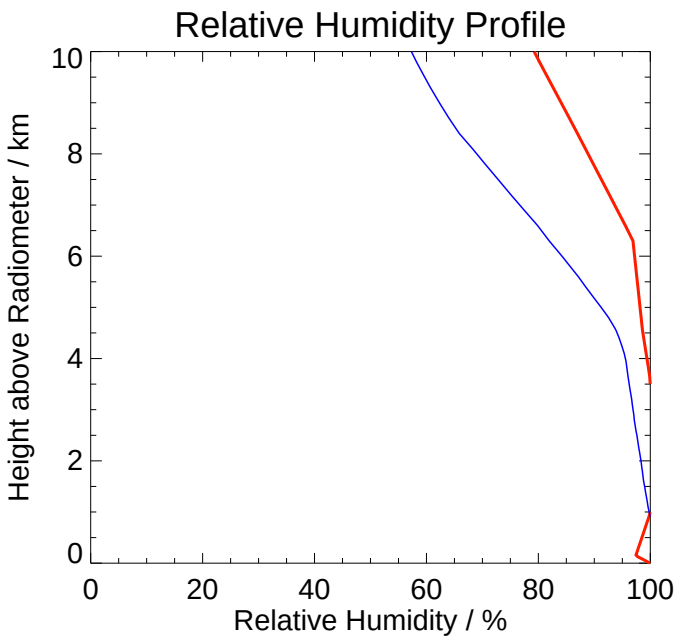

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95

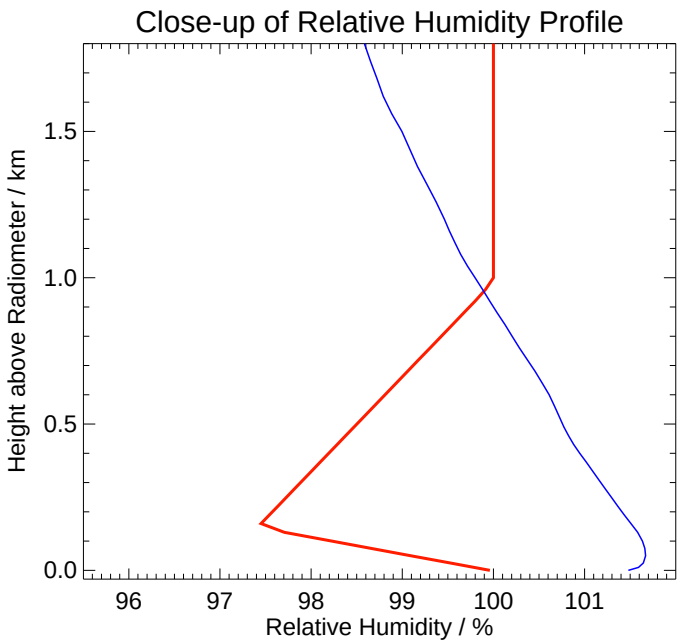

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

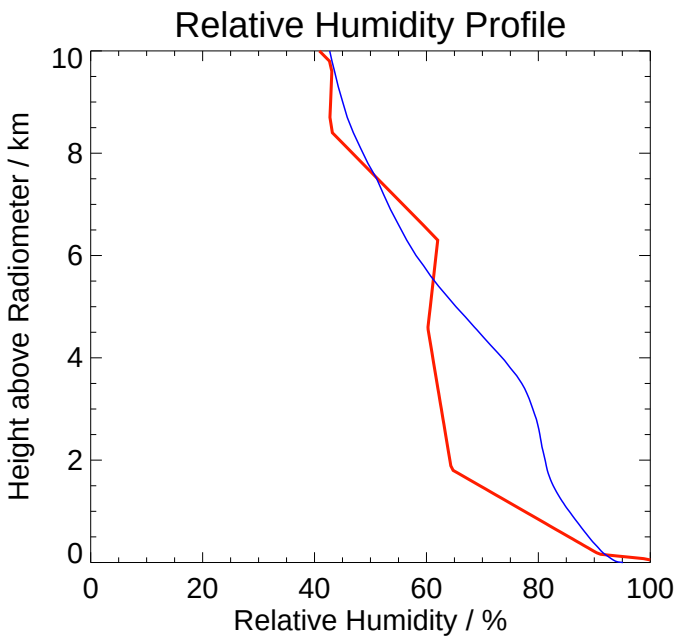

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80
90
100

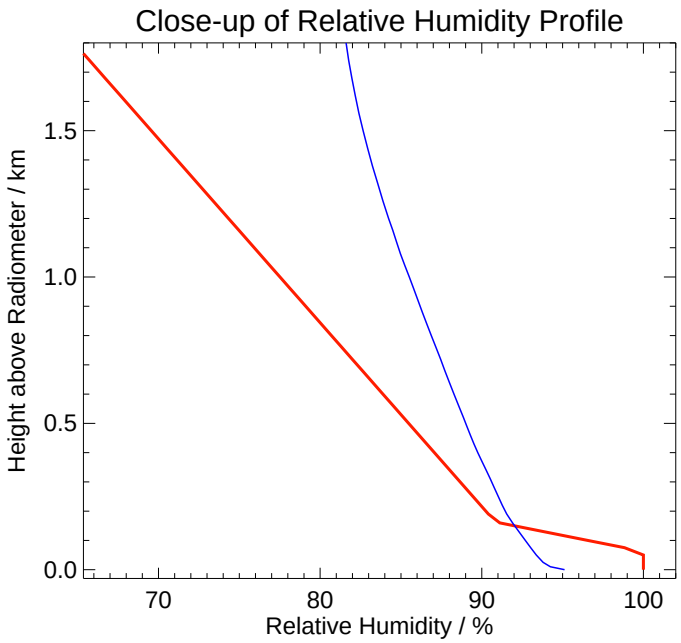

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

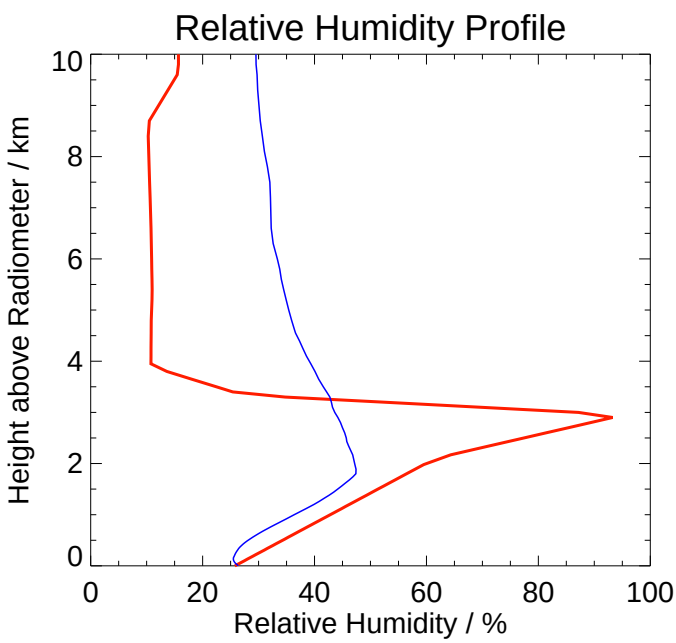

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85

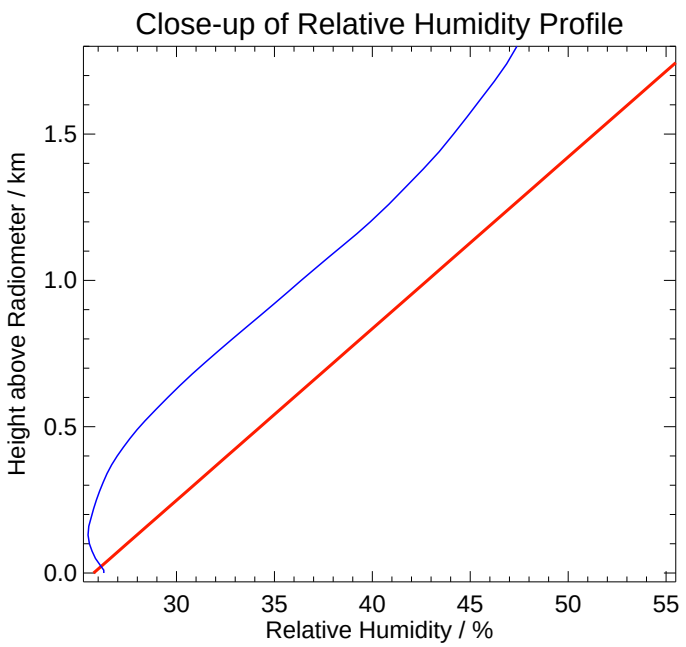

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

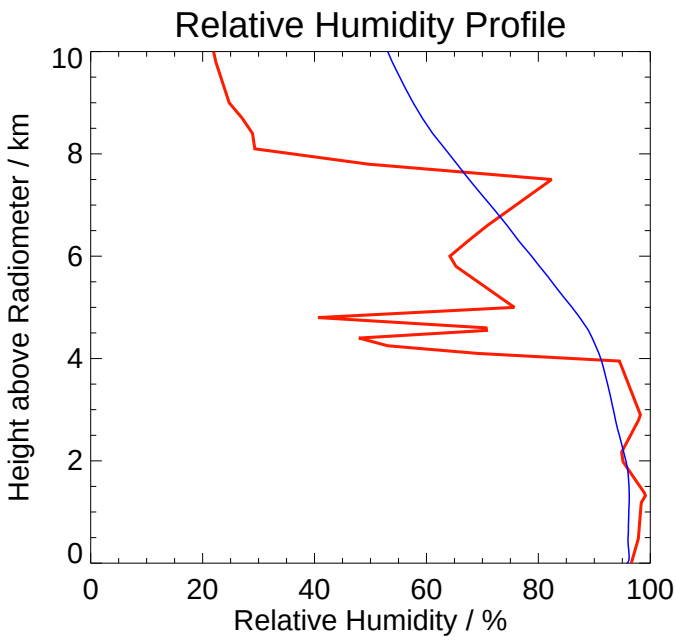

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

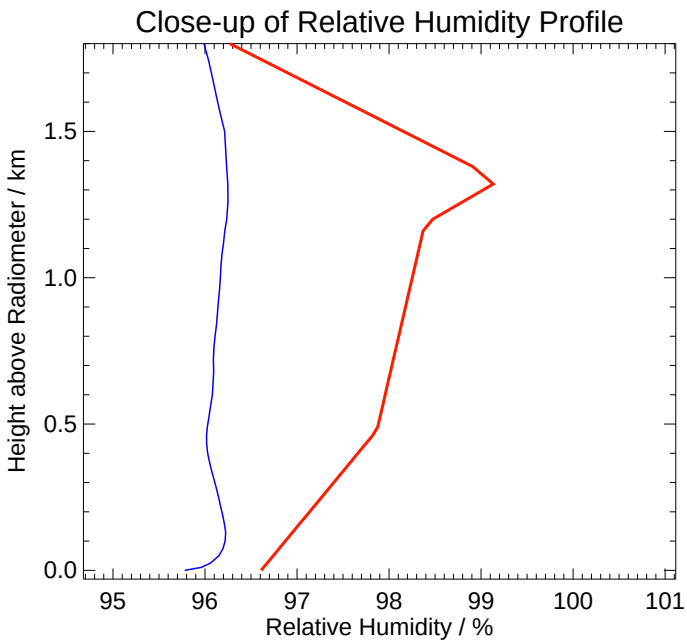

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

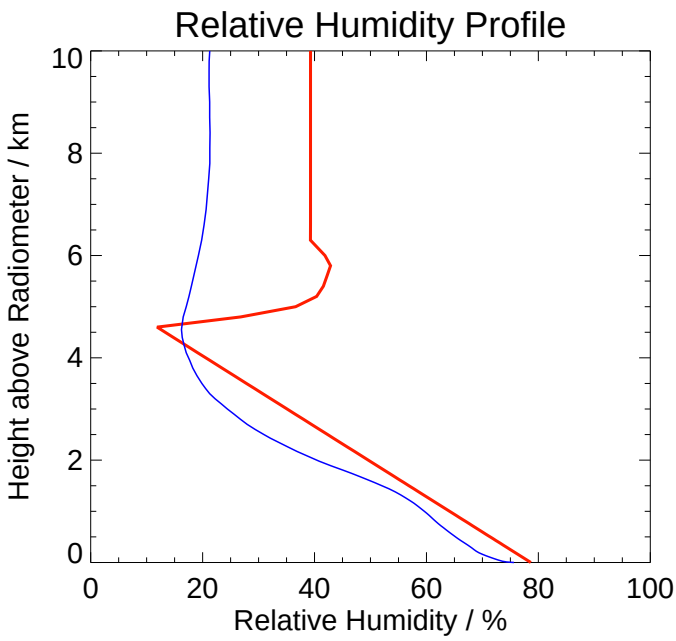

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90
100

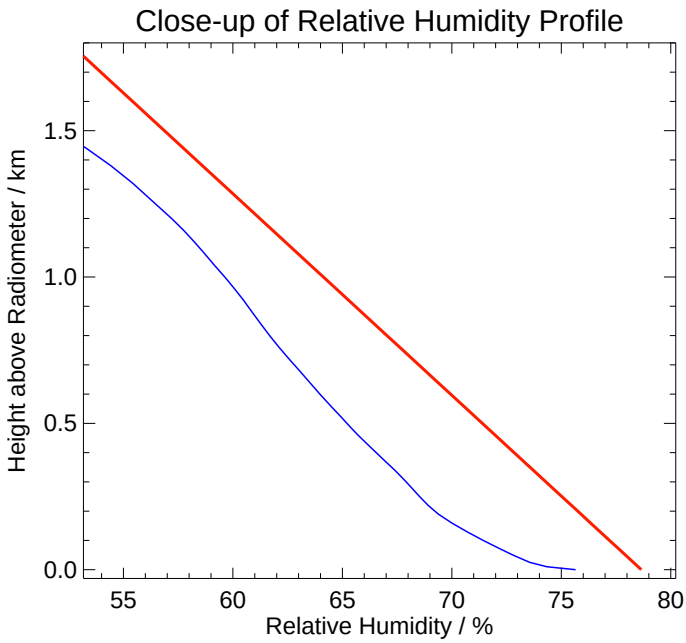

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

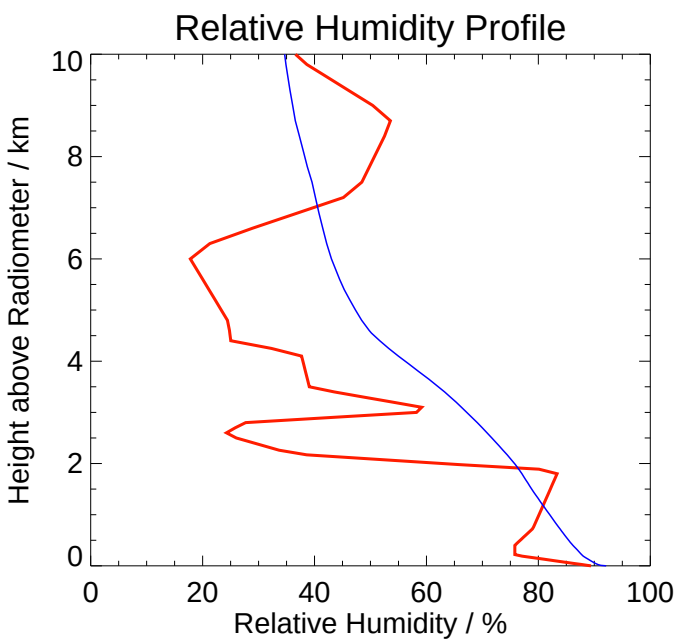

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
30
35
40
45
50
55

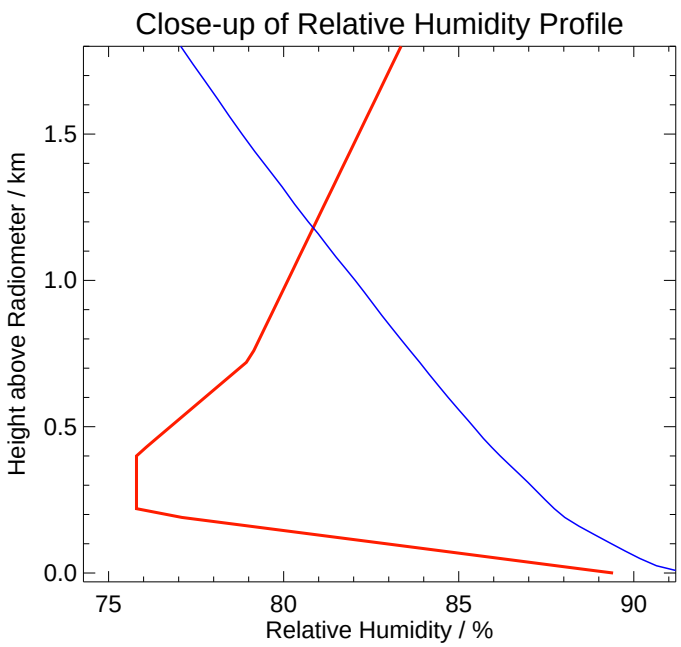

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

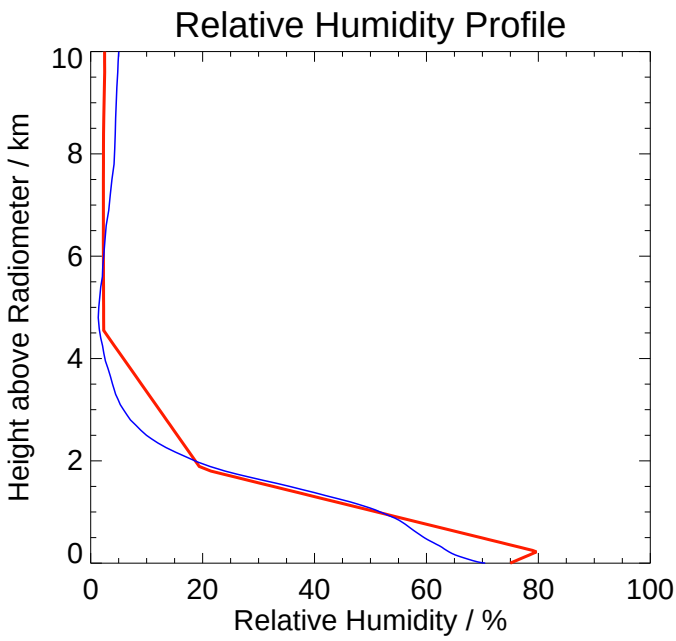

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
95
96
97
98
99
100
101

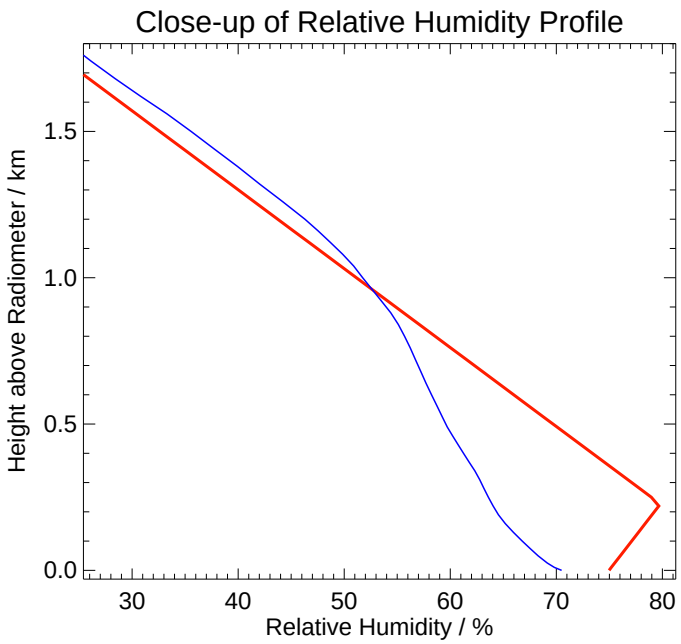

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

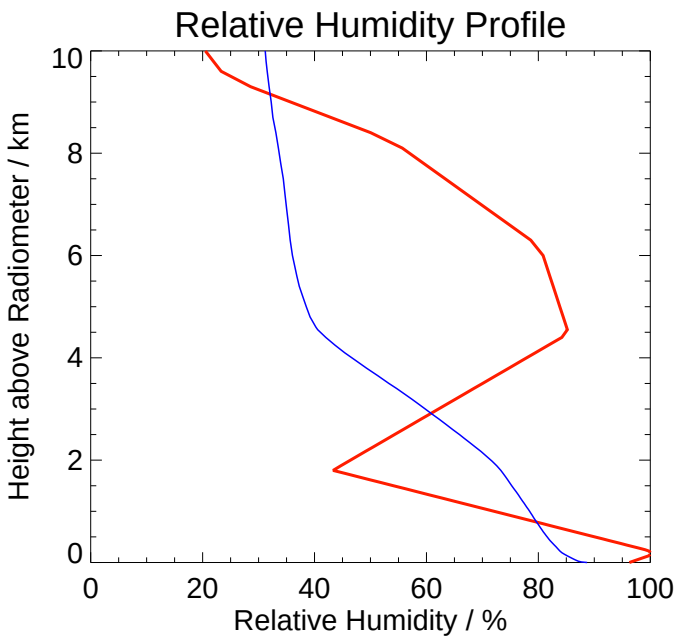

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
55
60
65
70
75
80

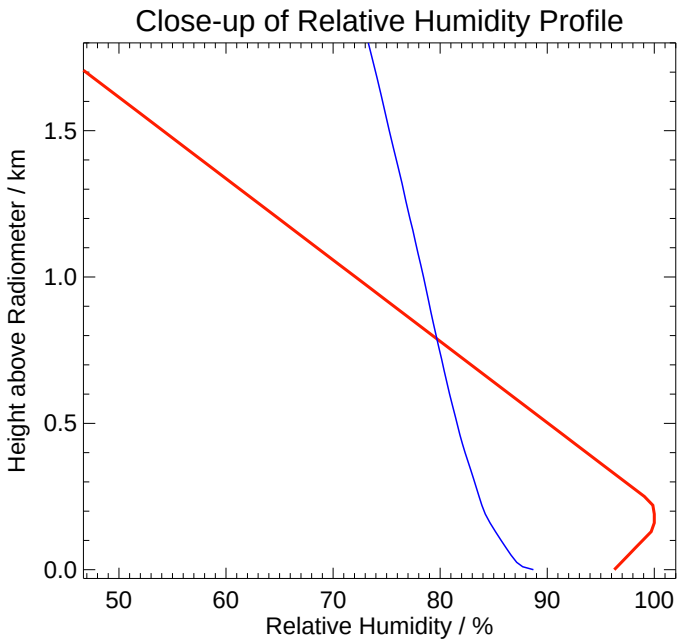

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

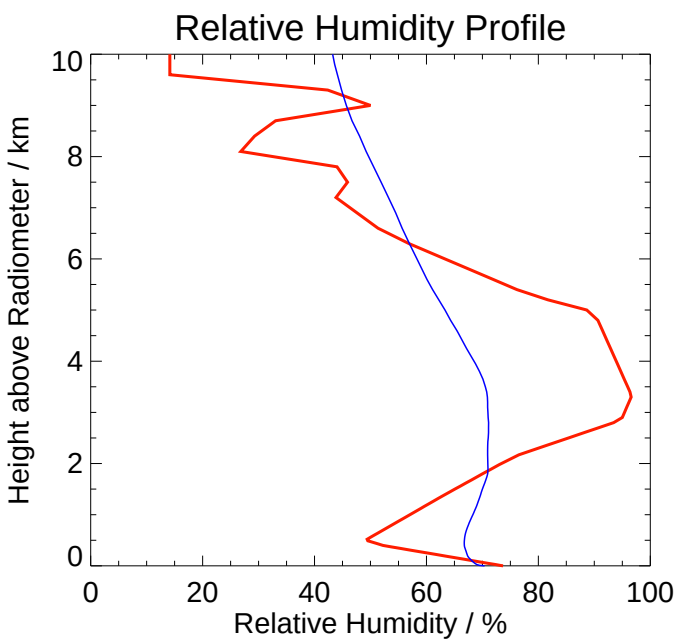

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

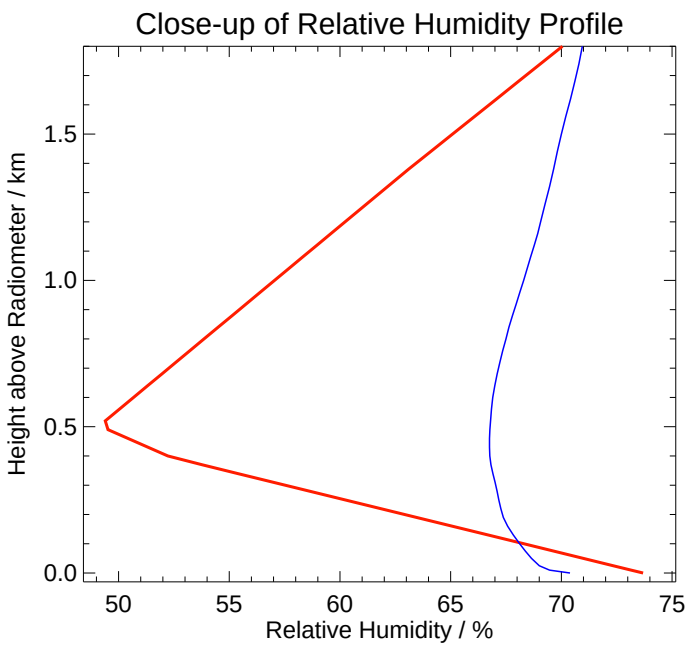

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

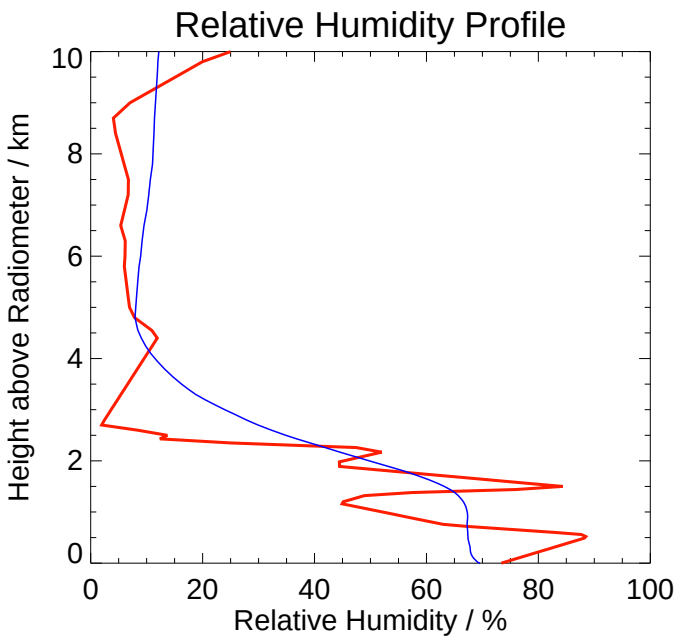

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
30
40
50
60
70
80

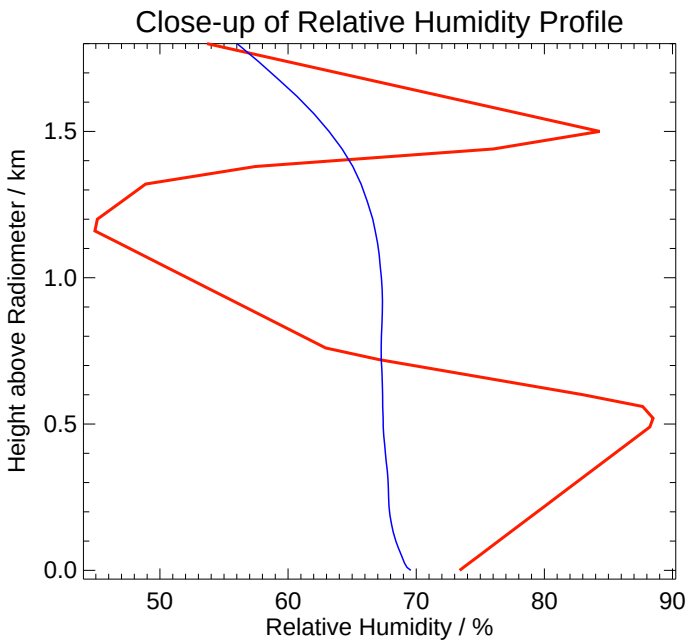

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

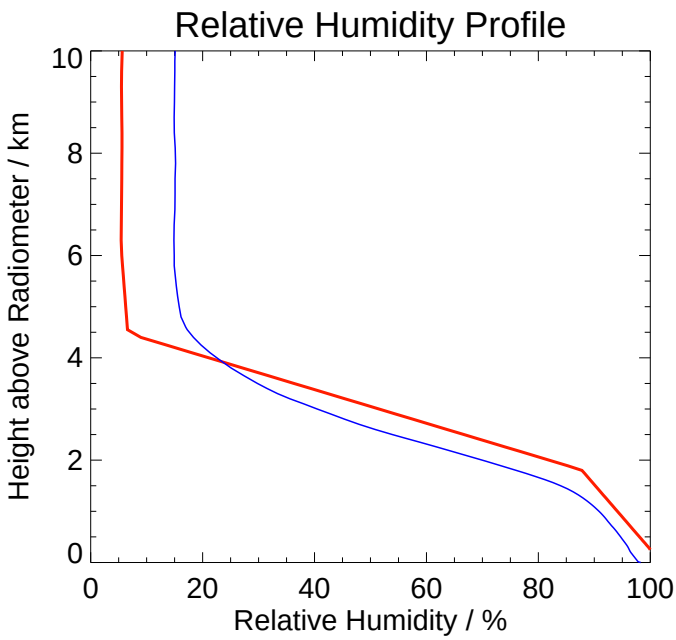

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90
100

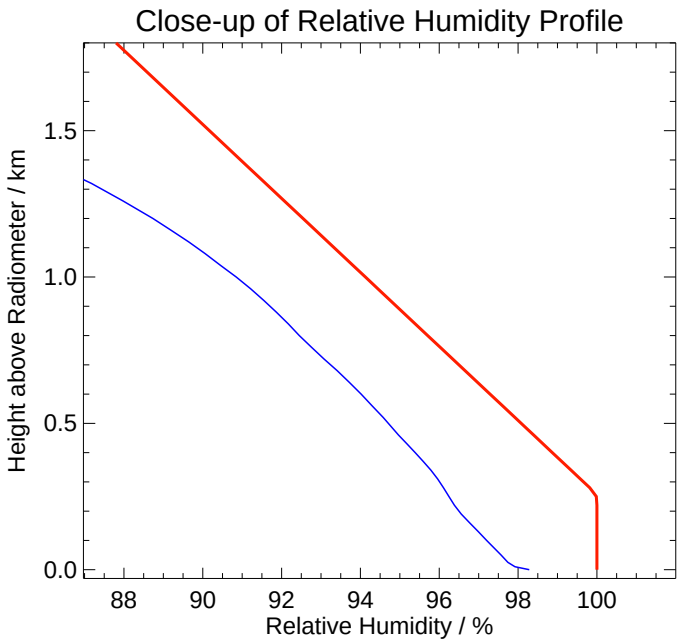

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

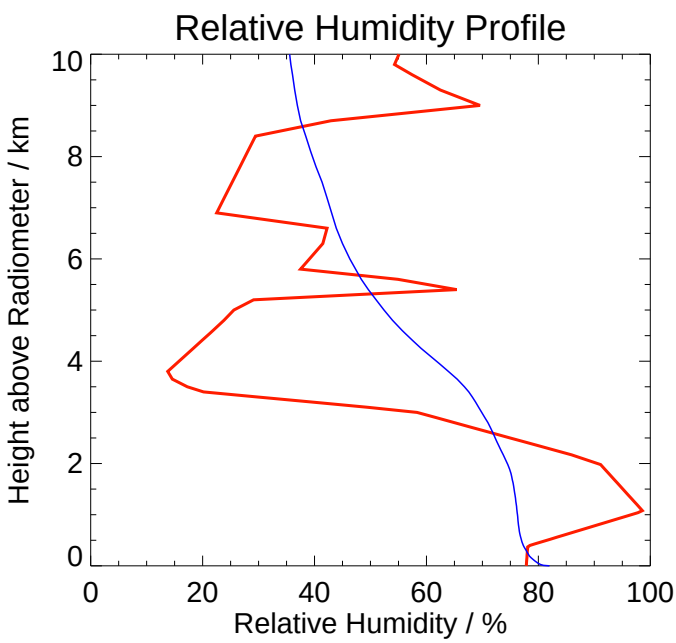

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
55
60
65
70
75

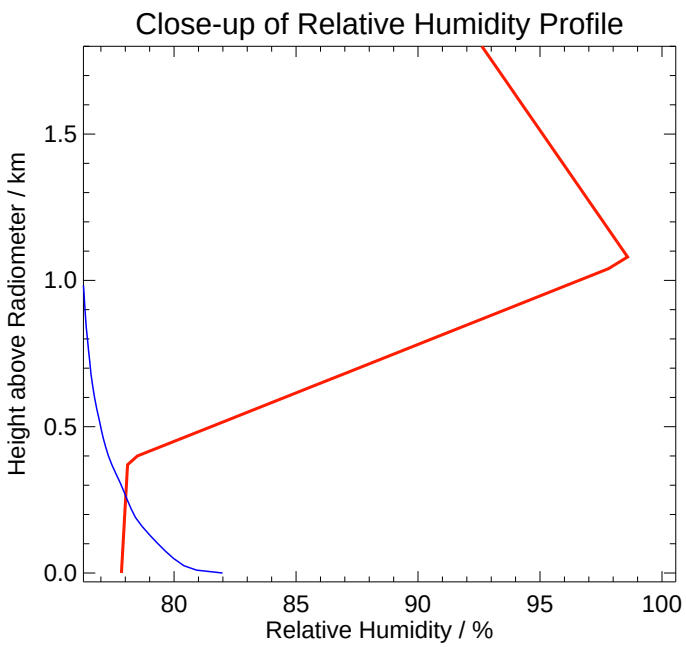

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

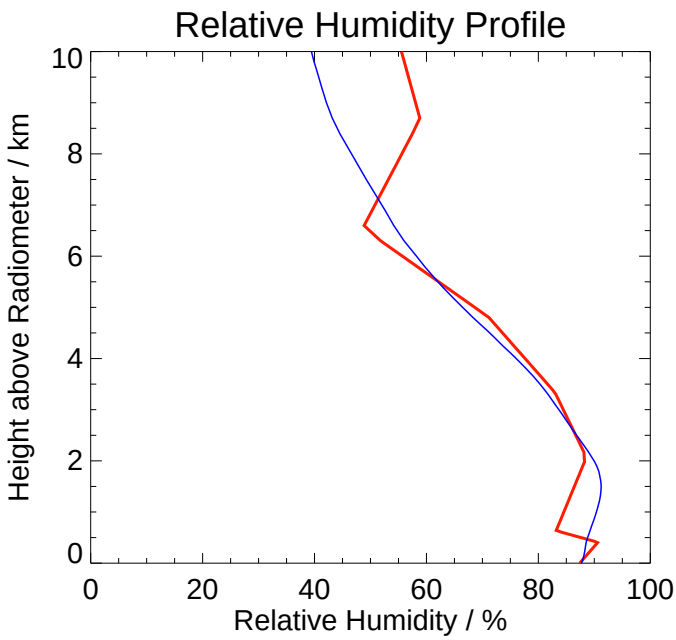

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90

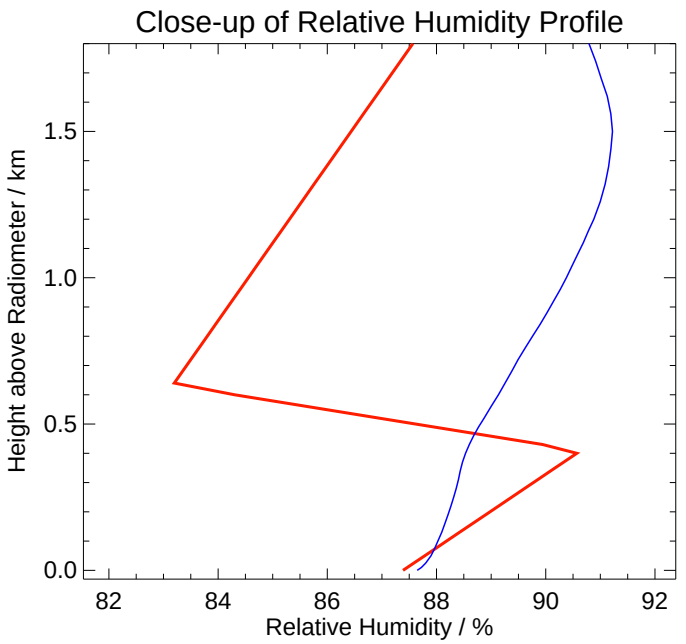

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

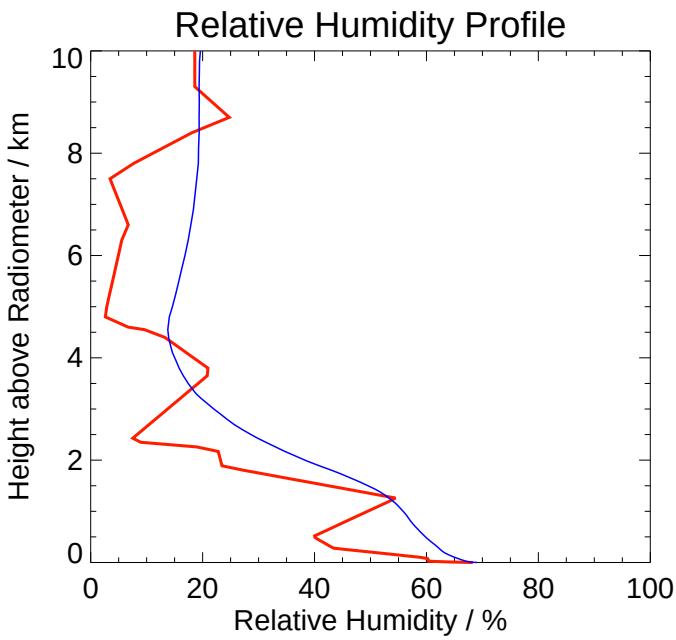

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96
98
100

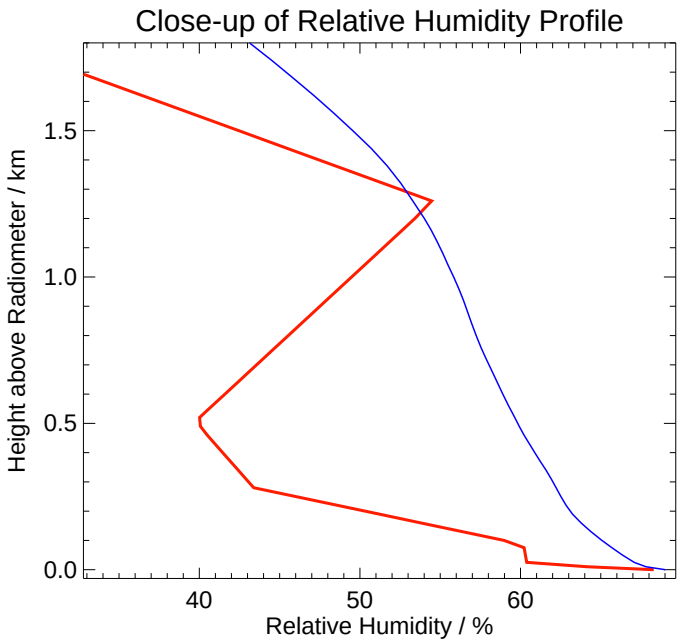

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

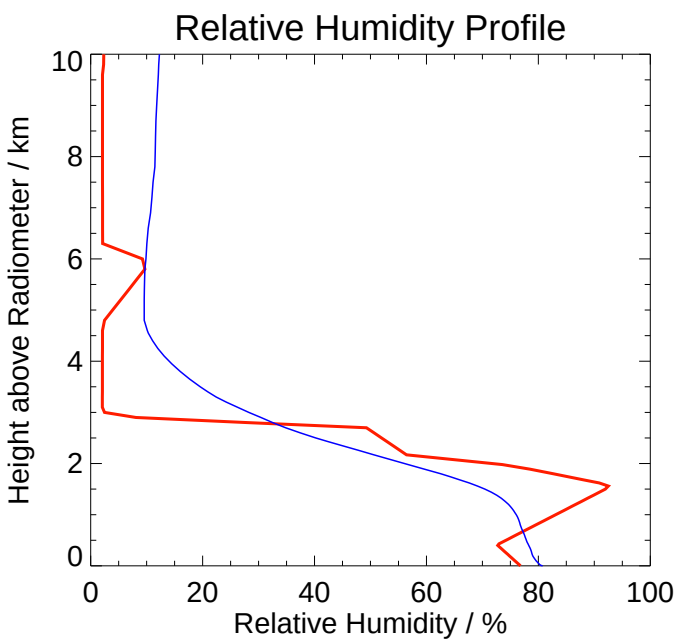

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

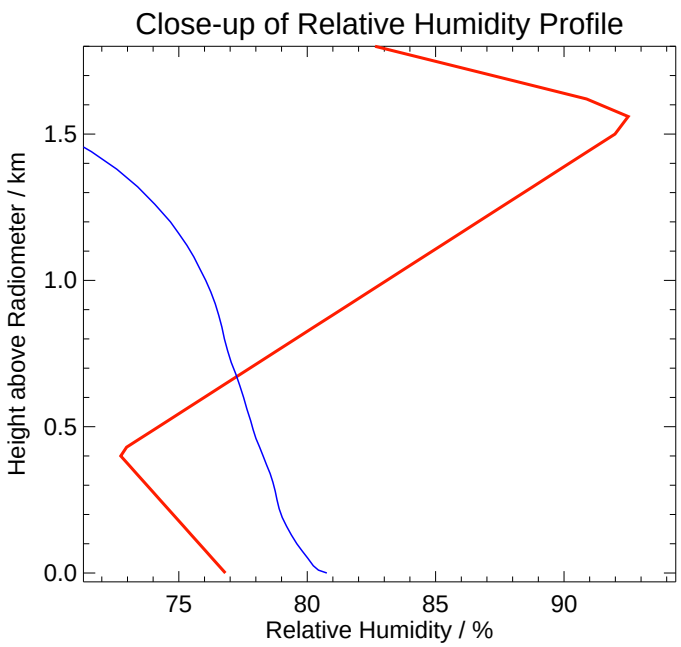

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

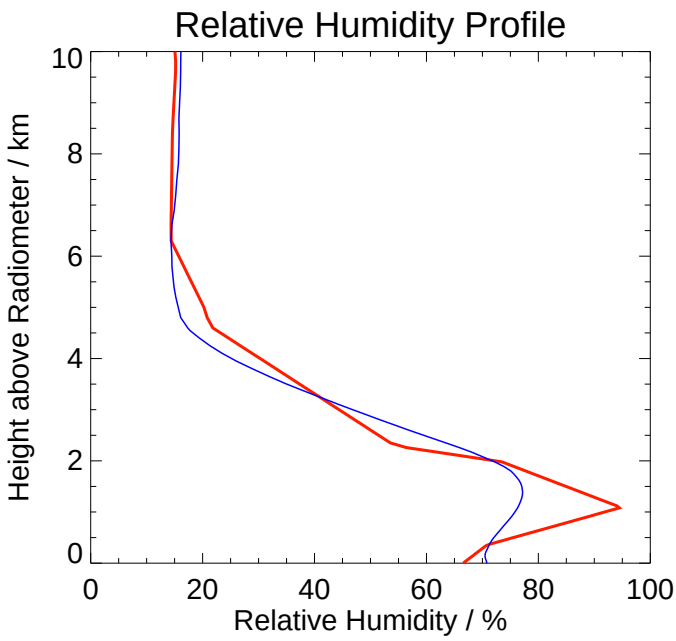

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
82
84
86
88
90
92

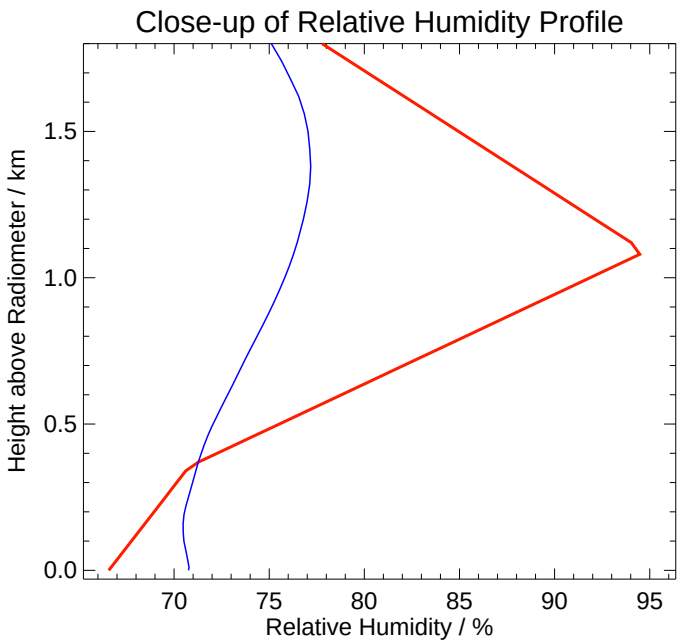

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

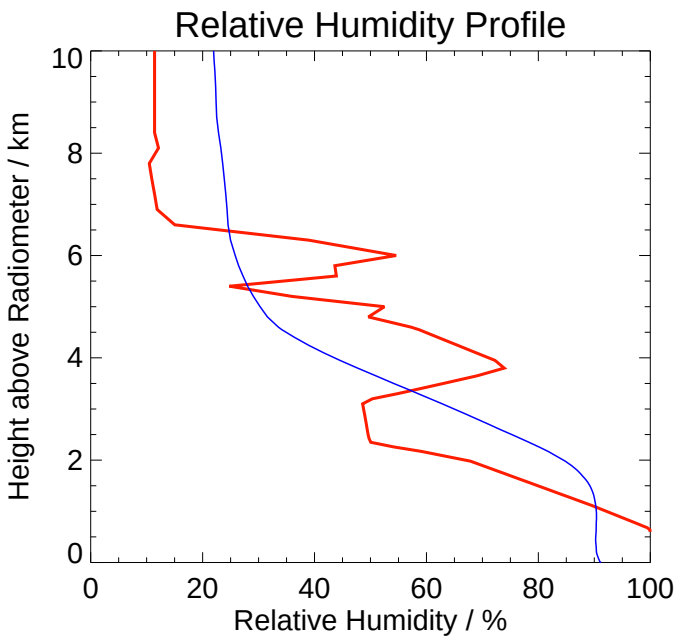

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60

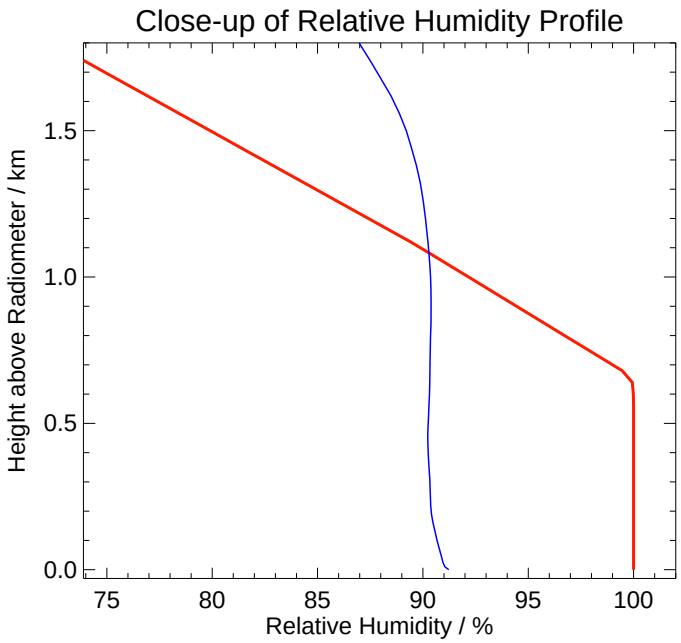

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

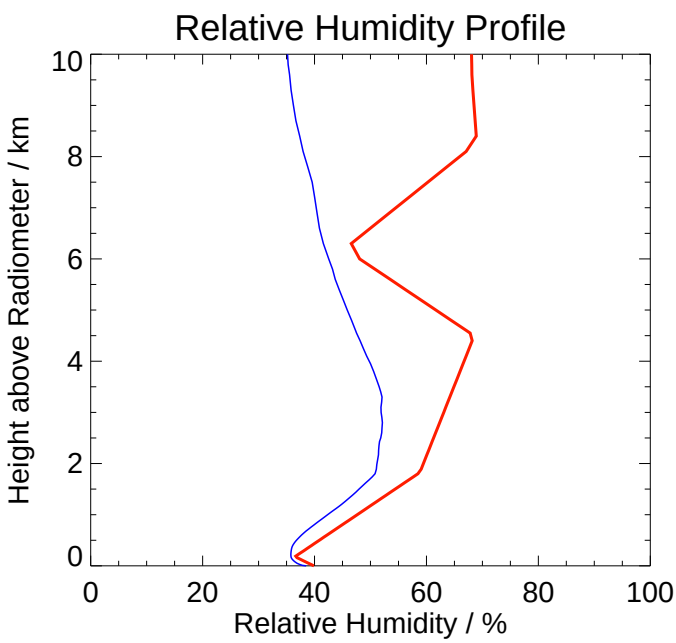

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

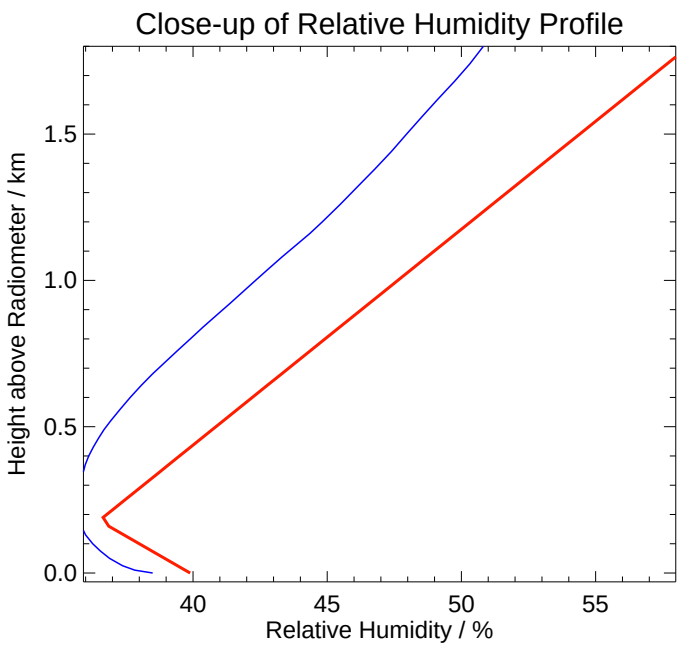

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

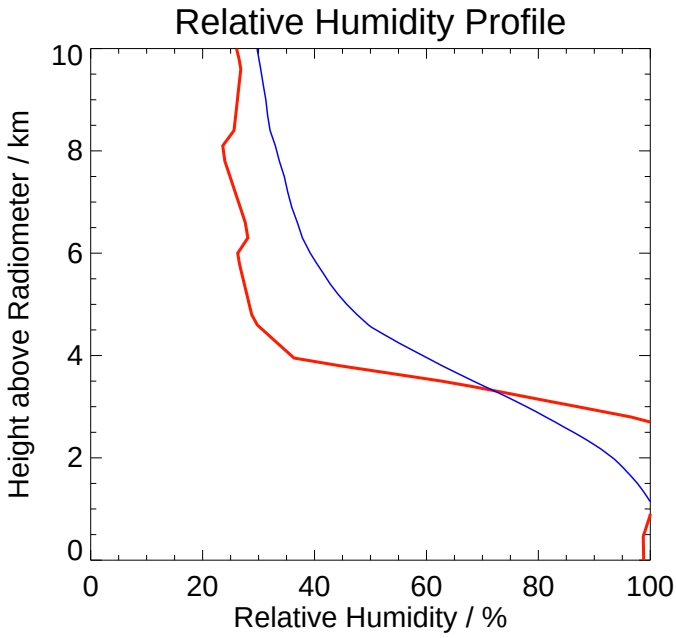

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95

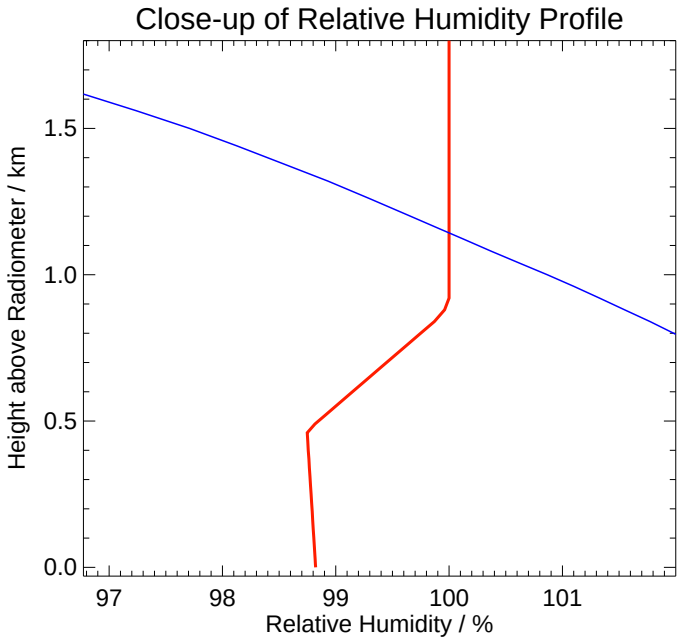

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

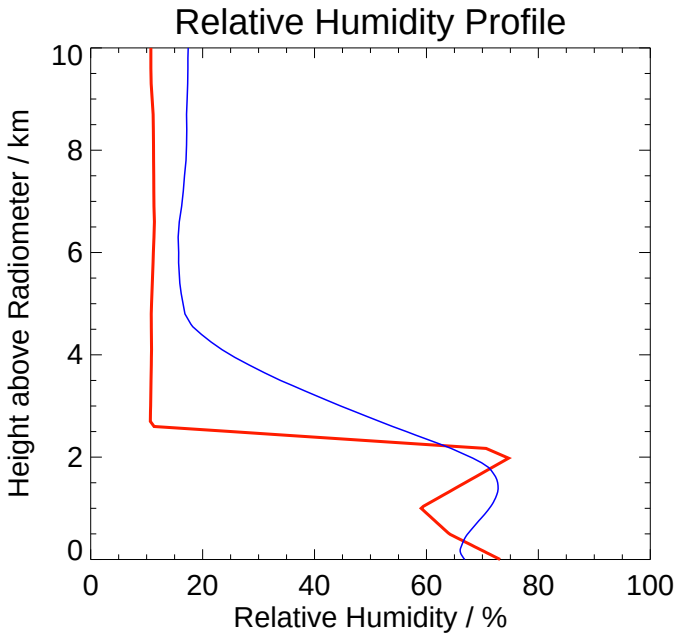

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

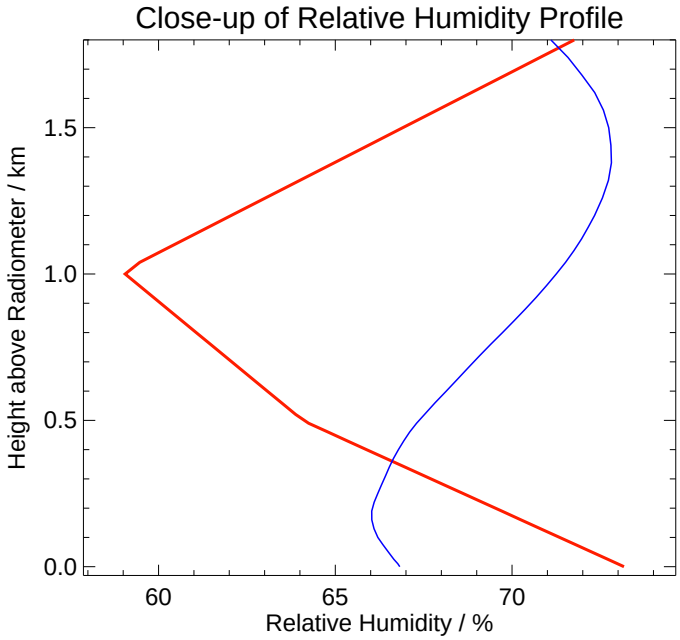

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

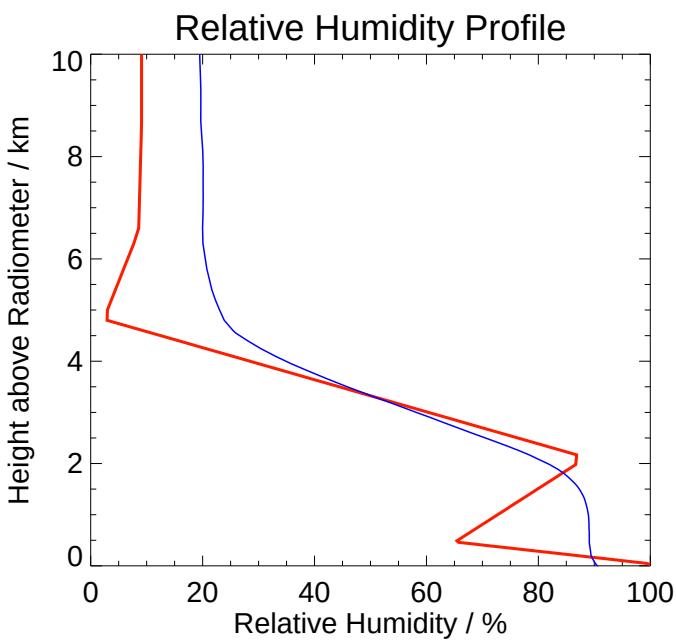

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55

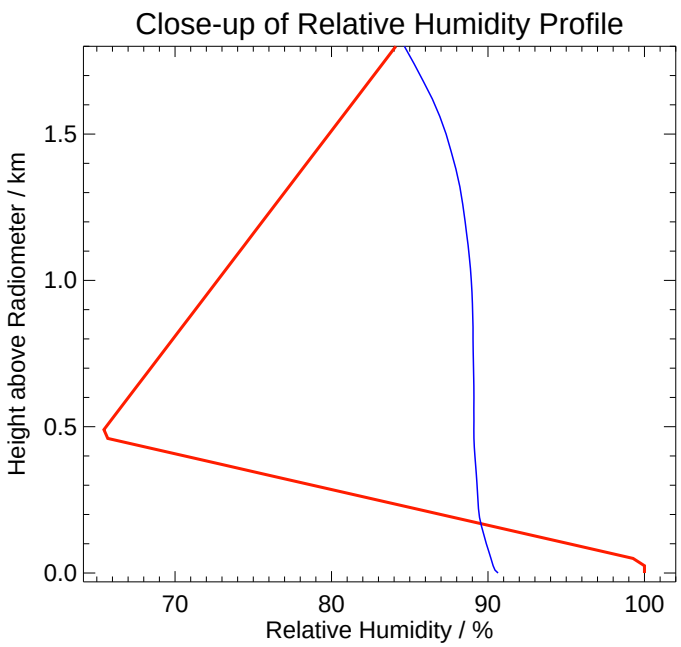

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

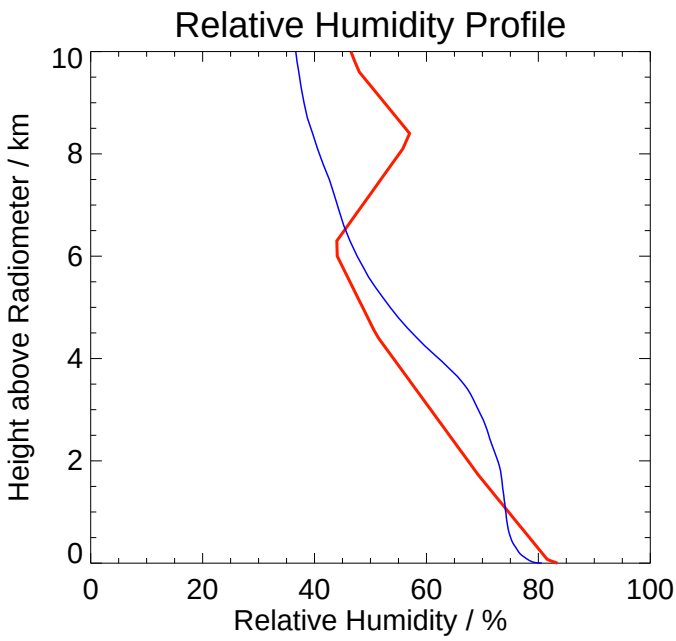

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

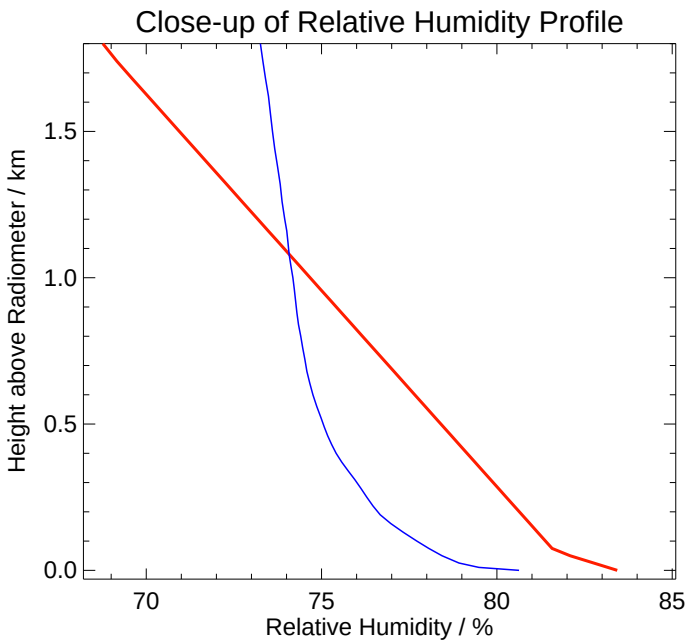

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

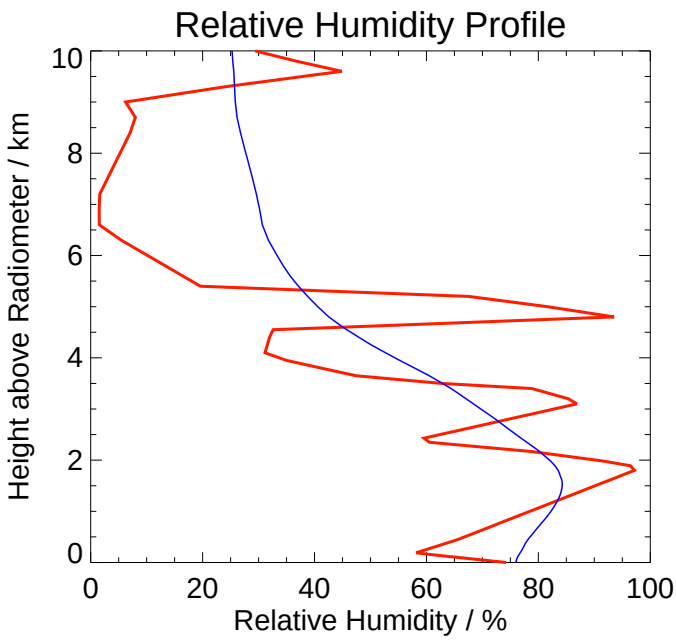

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70

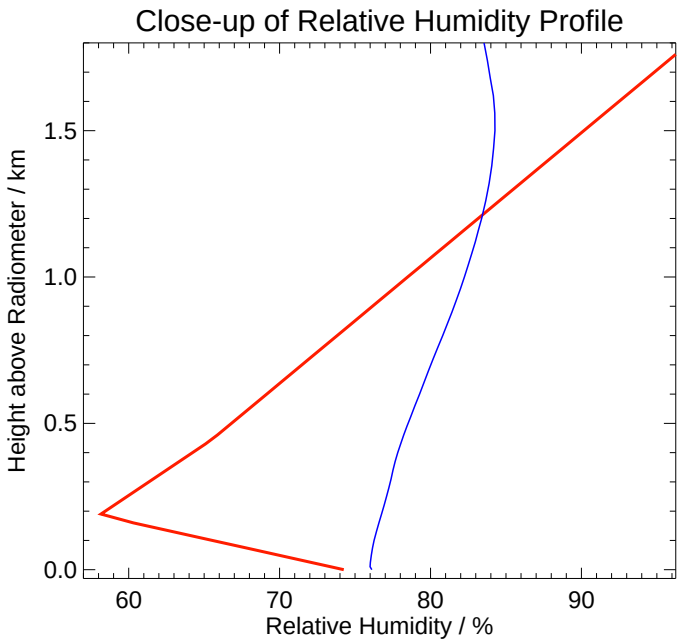

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

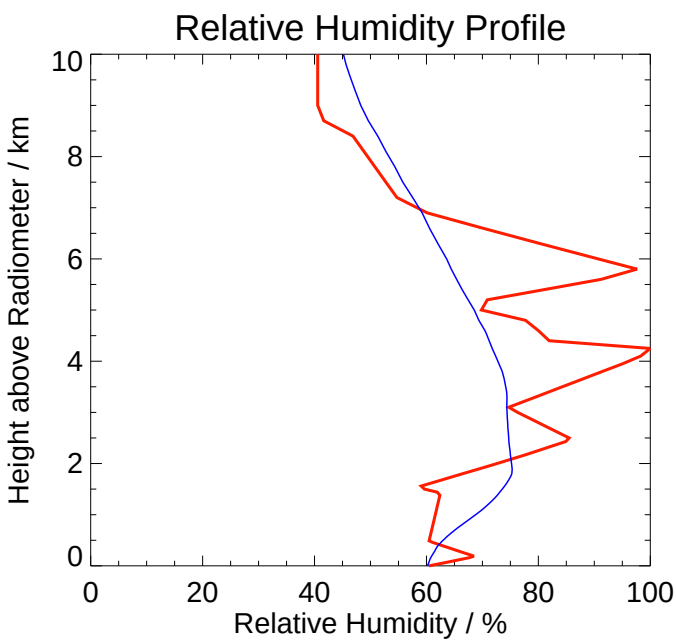

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90
100

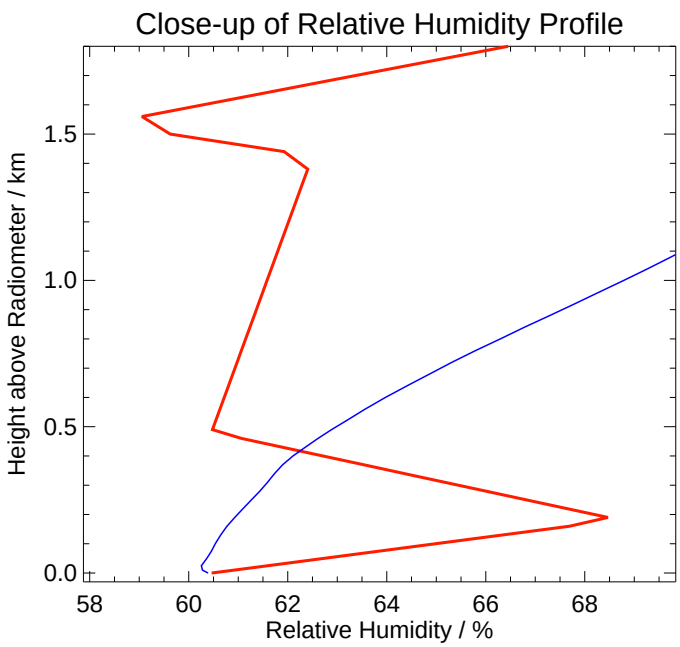

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

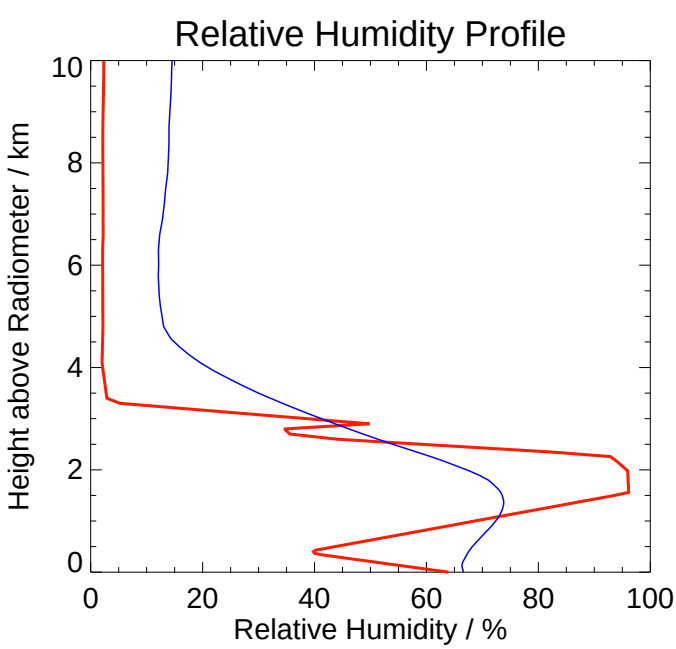

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85

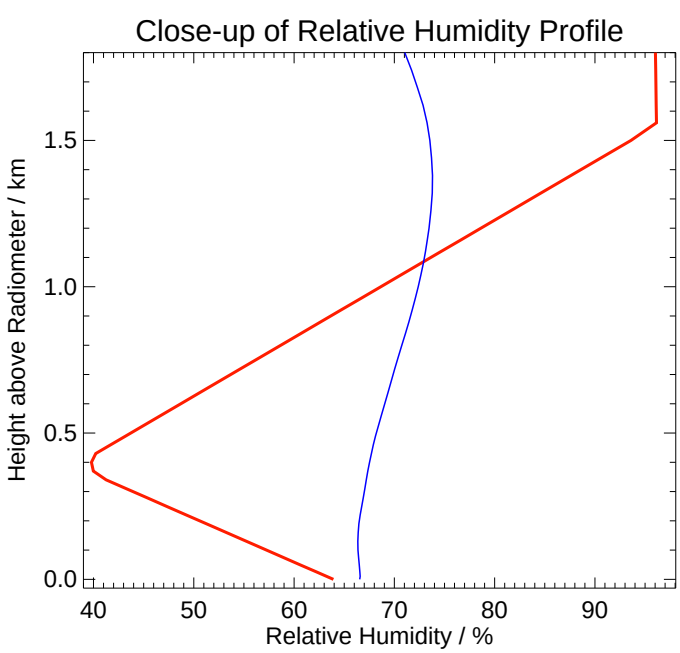

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

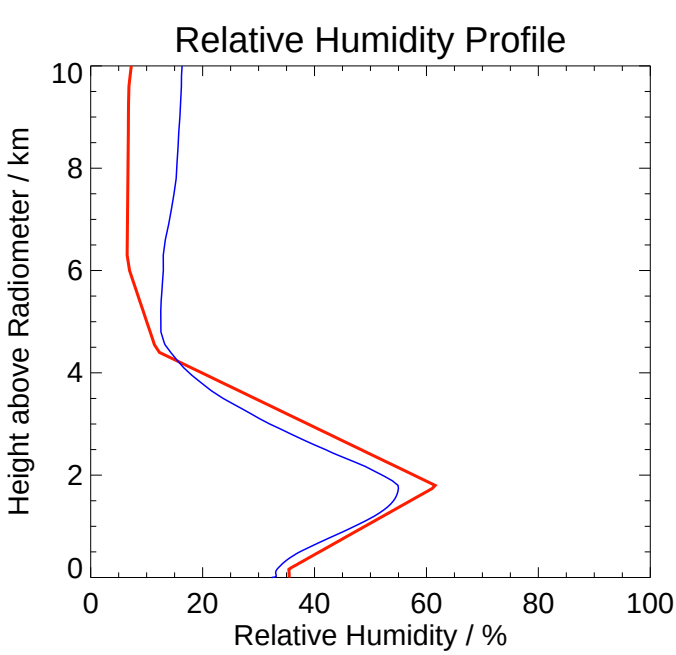

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

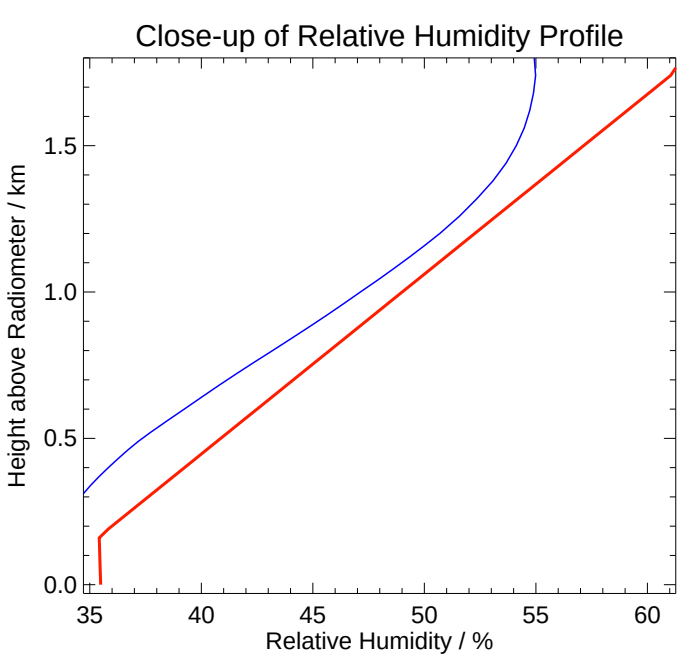

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

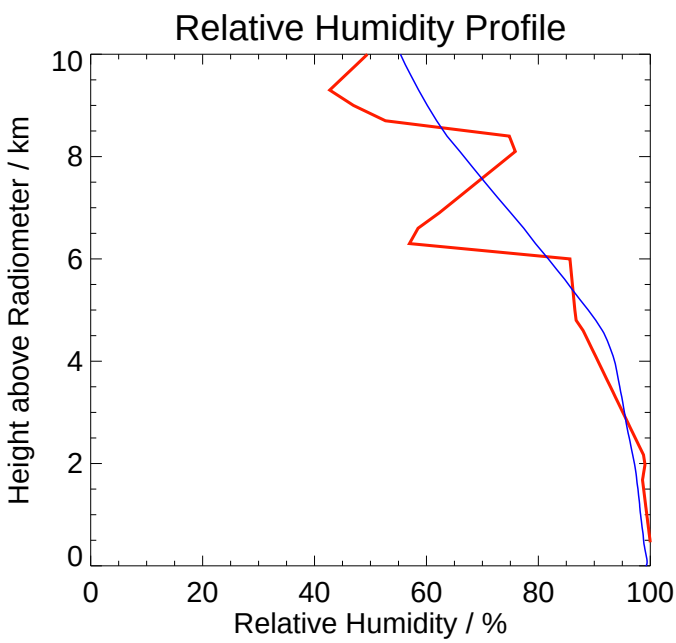

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
58
60
62
64
66
68

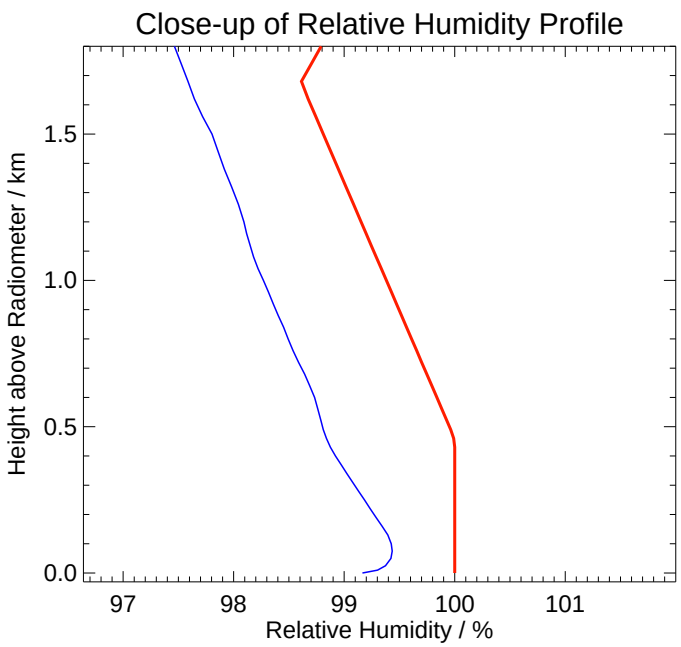

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

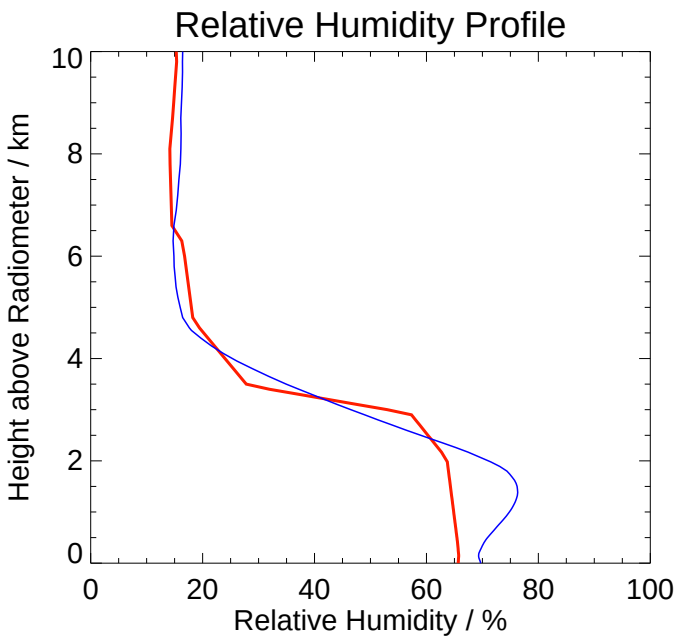

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80
90

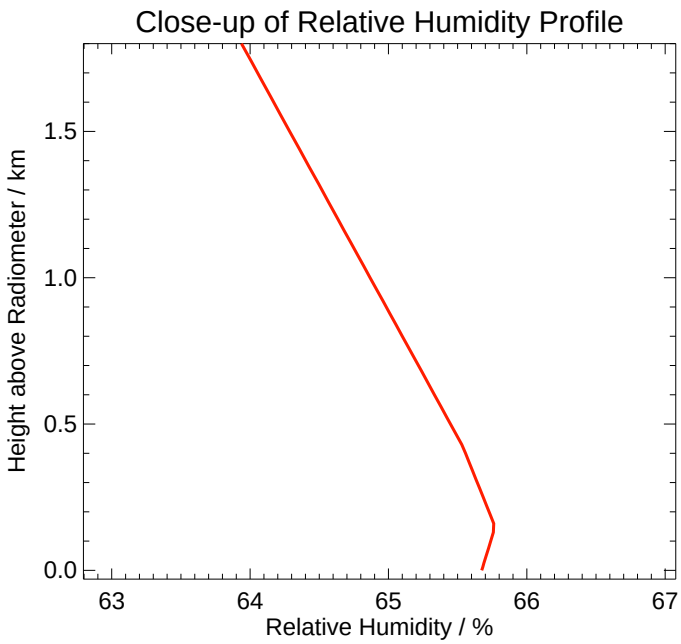

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

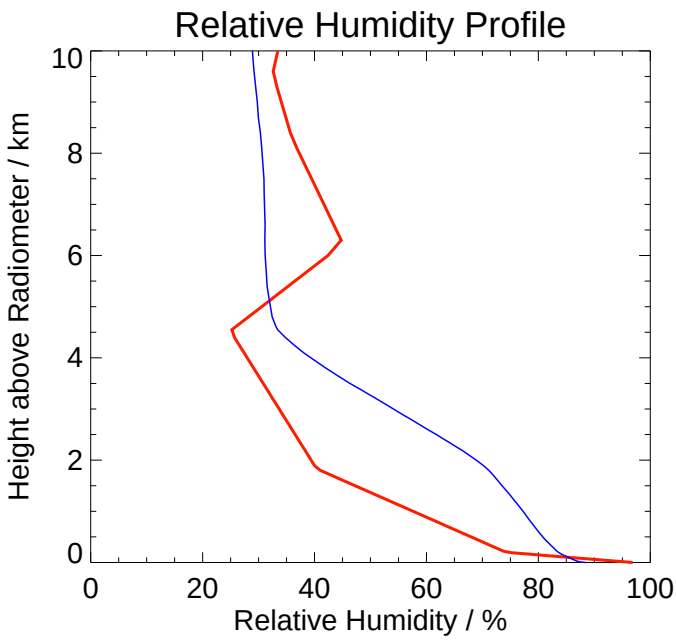

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
35
40
45
50
55
60

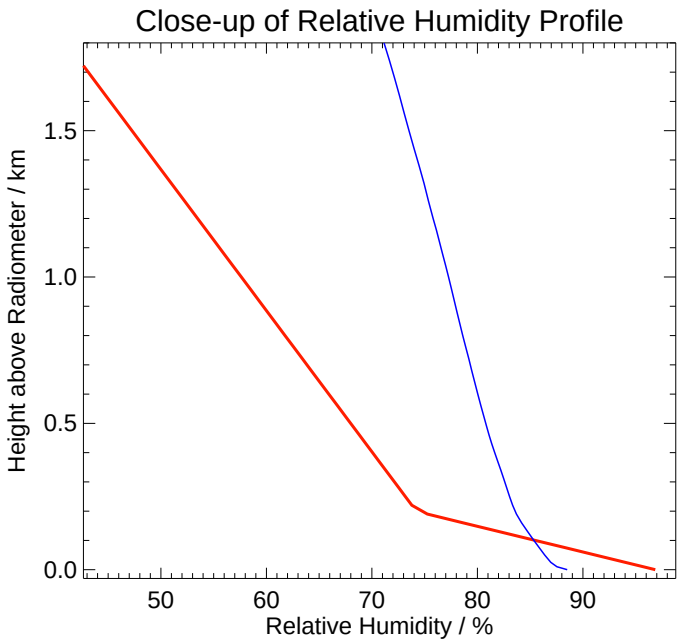

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

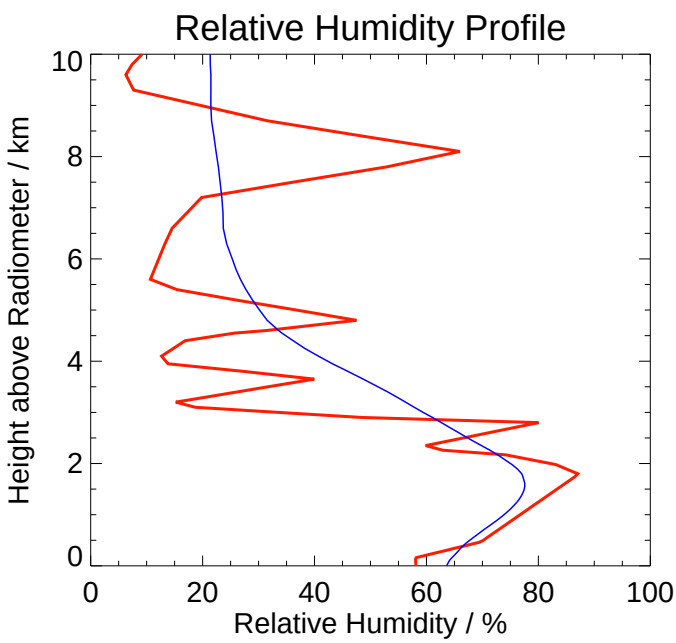

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
97
98
99
100
101

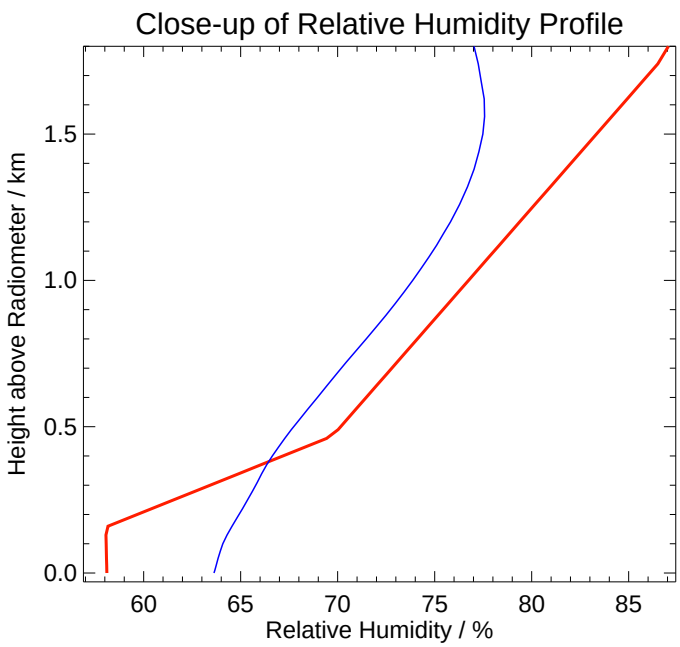

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

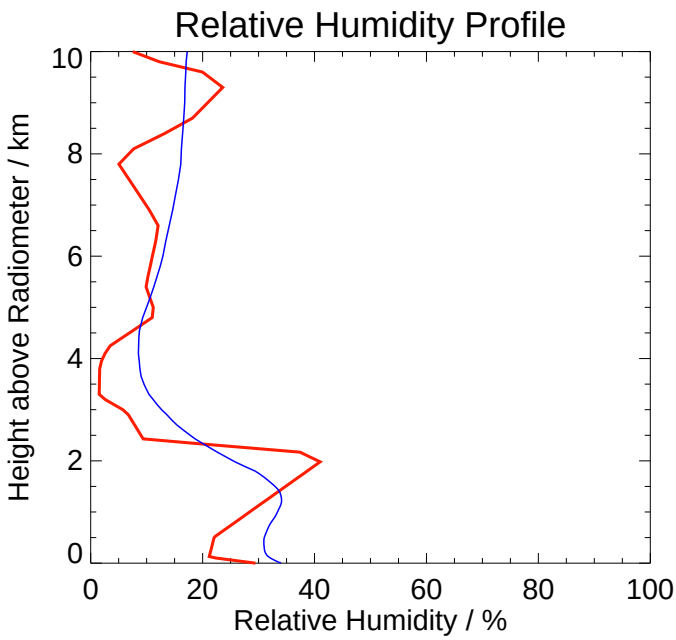

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
63
64
65
66
67

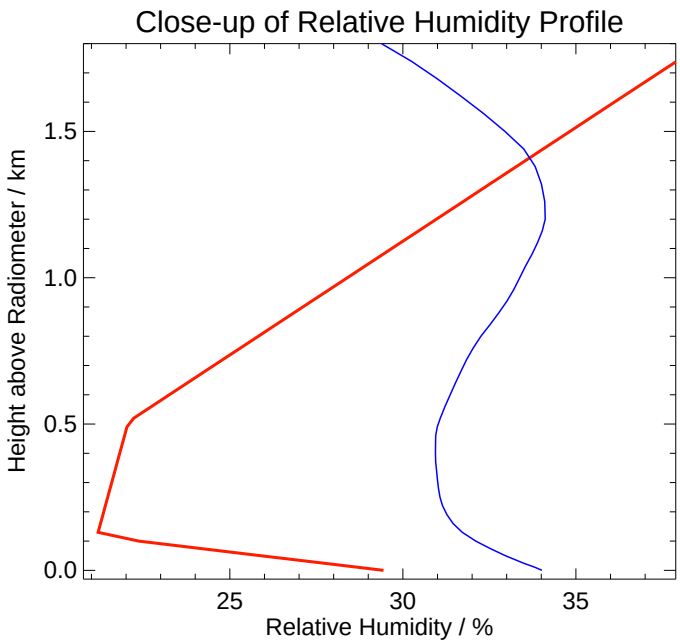

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

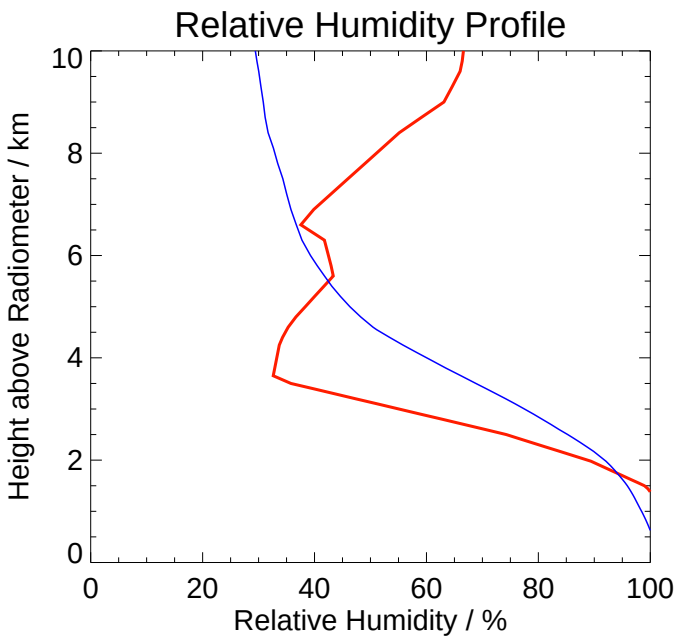

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90

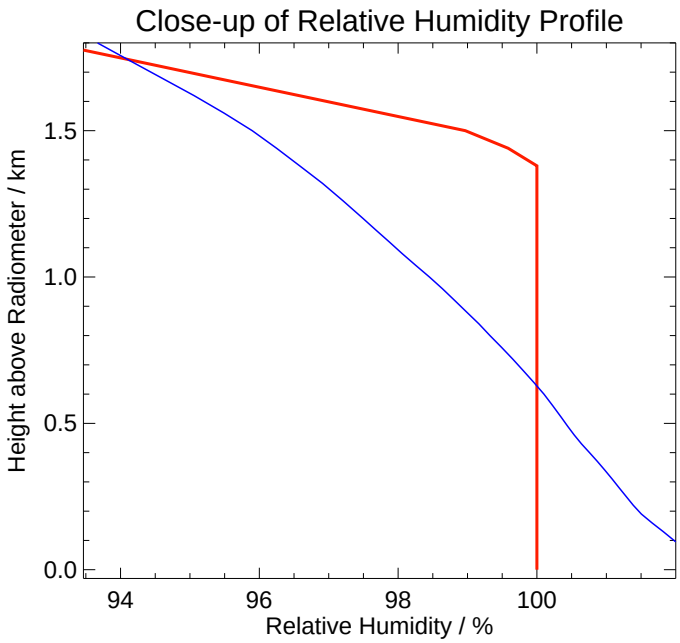

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

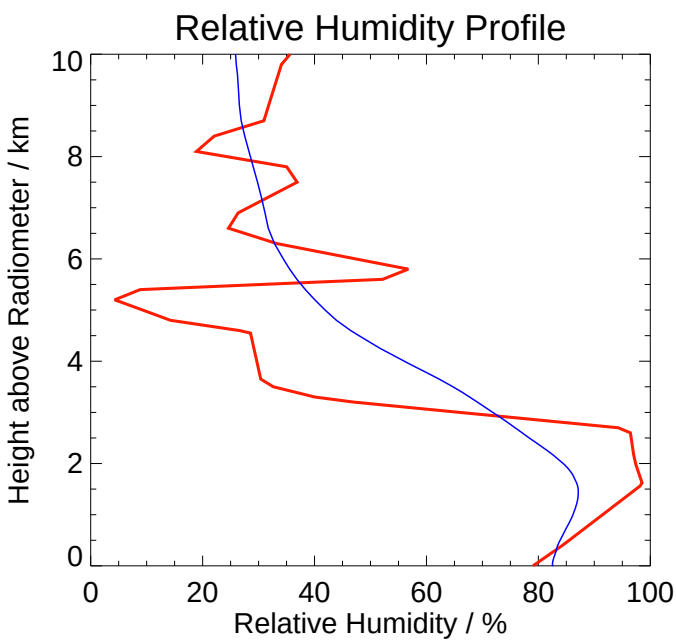

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85

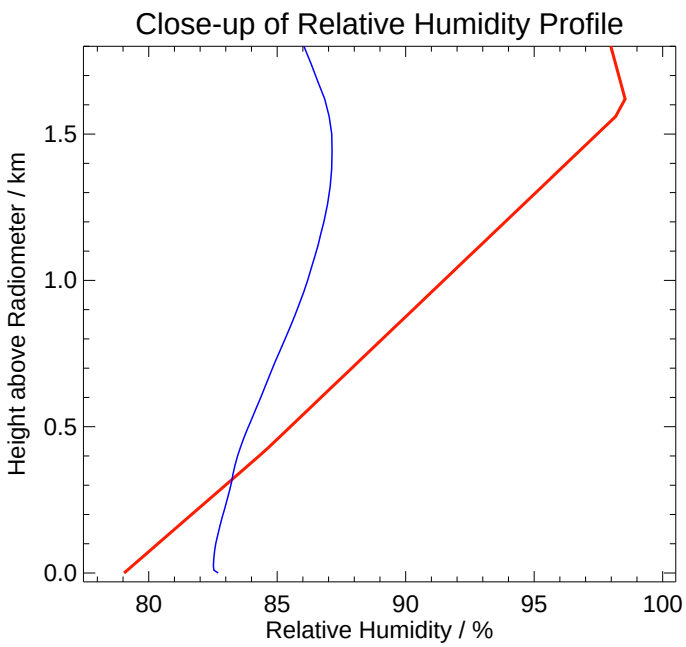

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

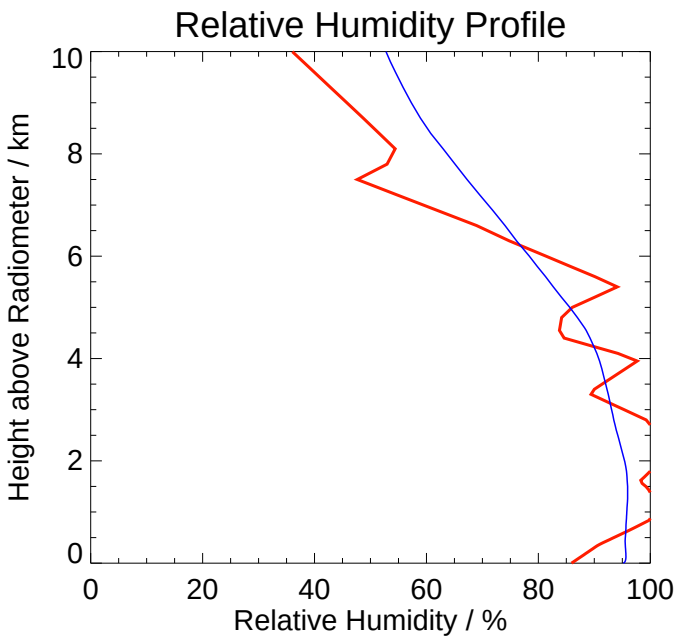

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
25
30
35

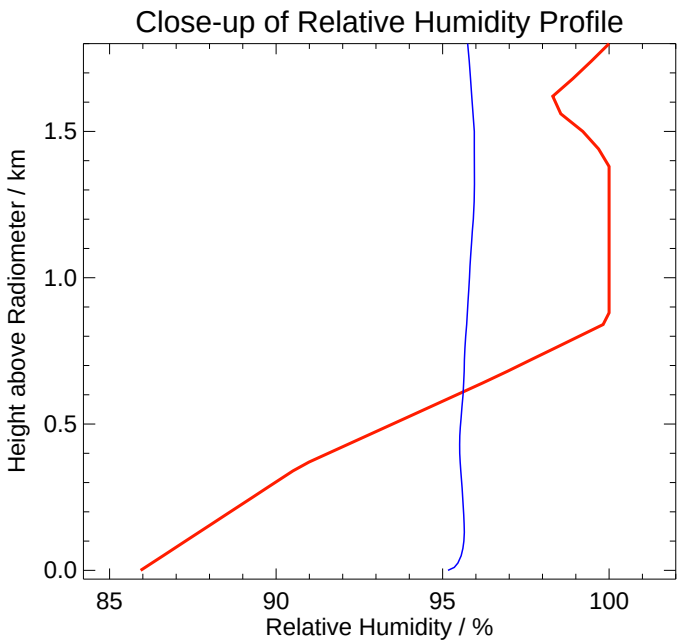

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

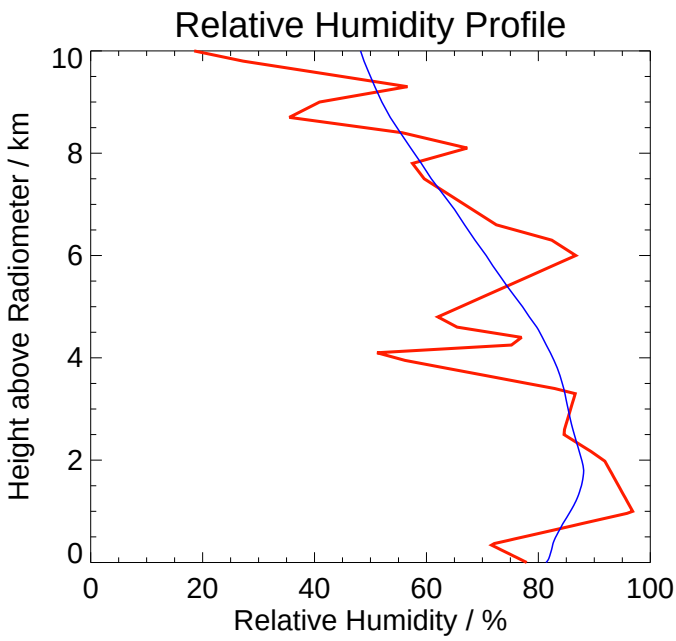

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

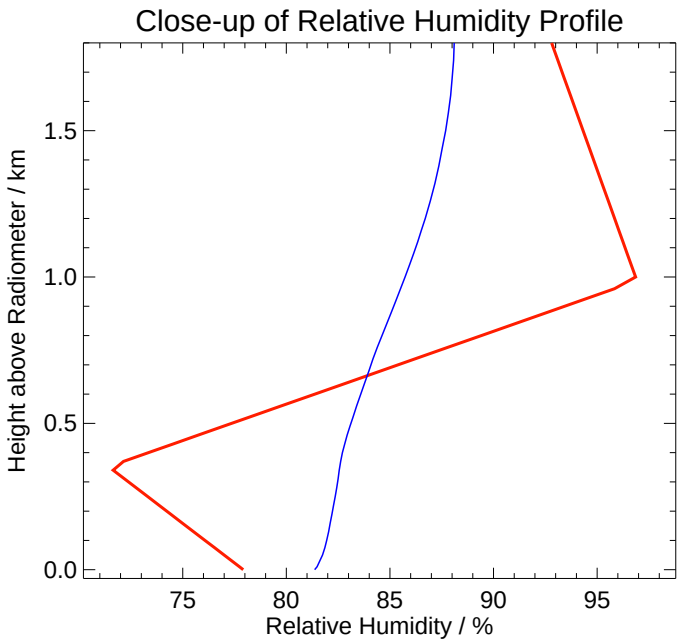

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

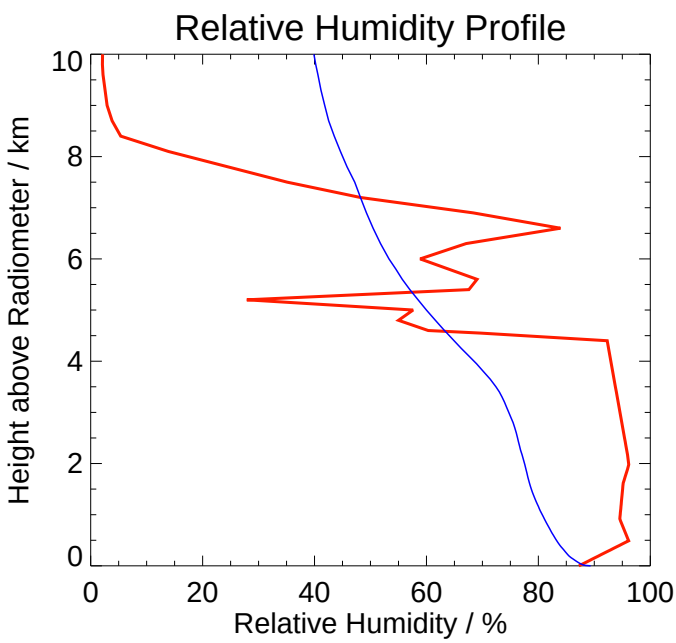

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

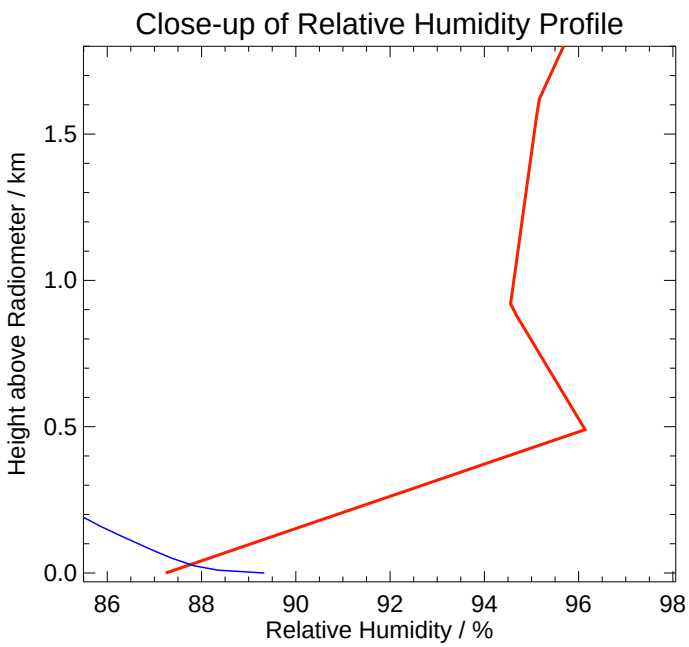

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

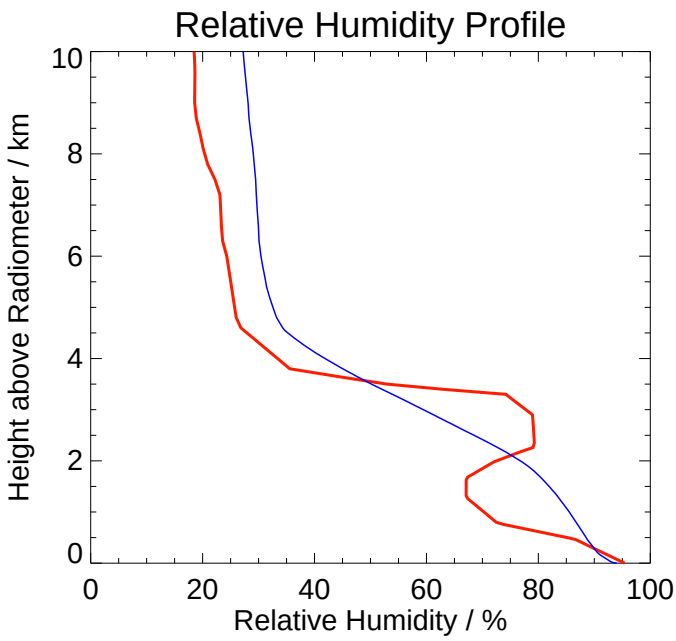

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

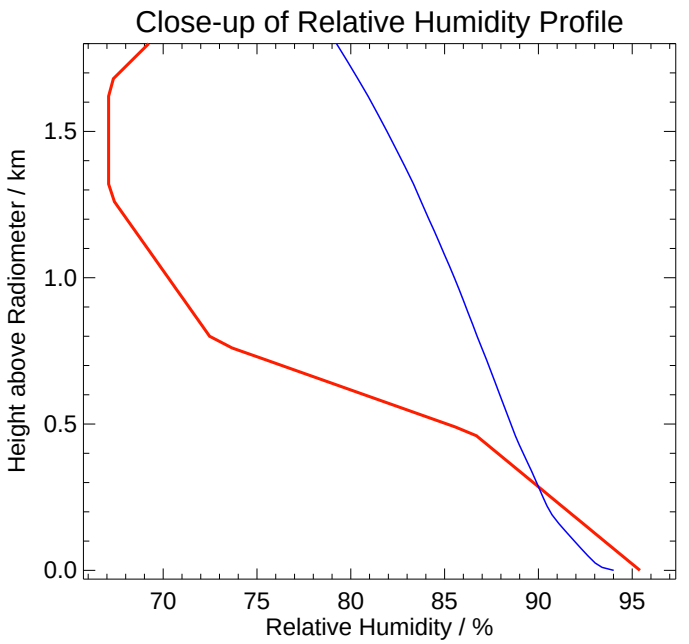

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

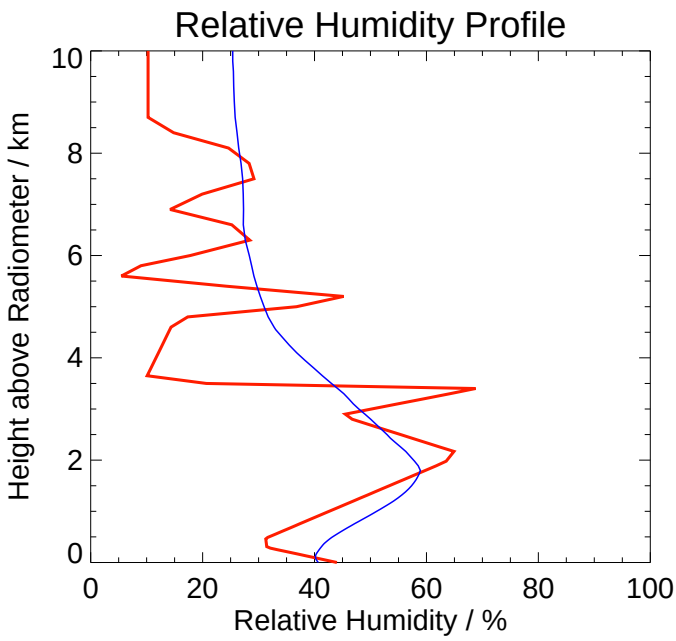

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95

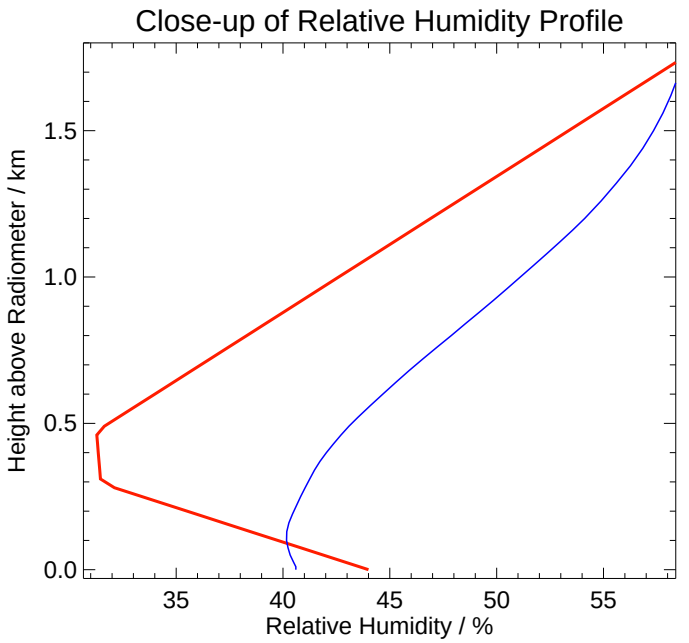

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

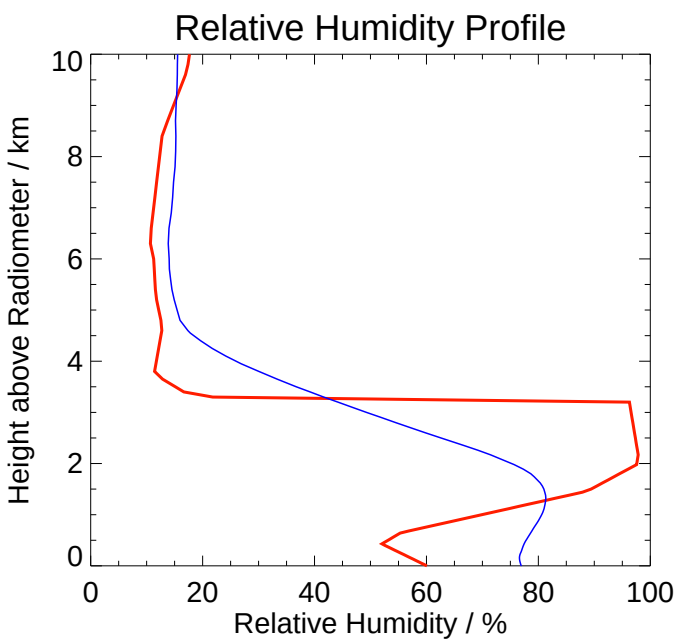

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96
98

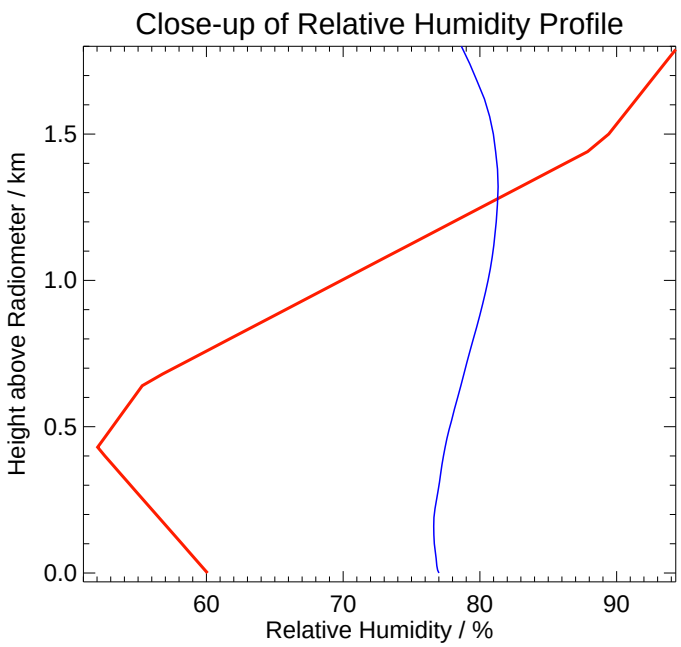

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

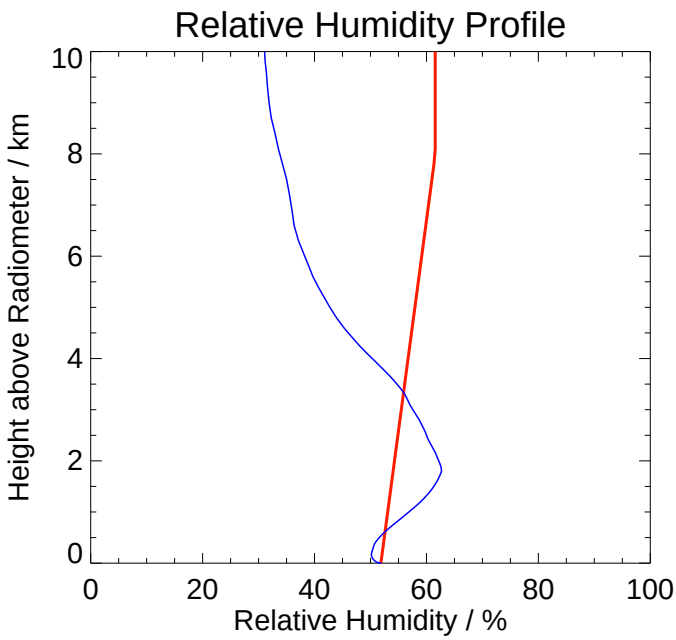

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95

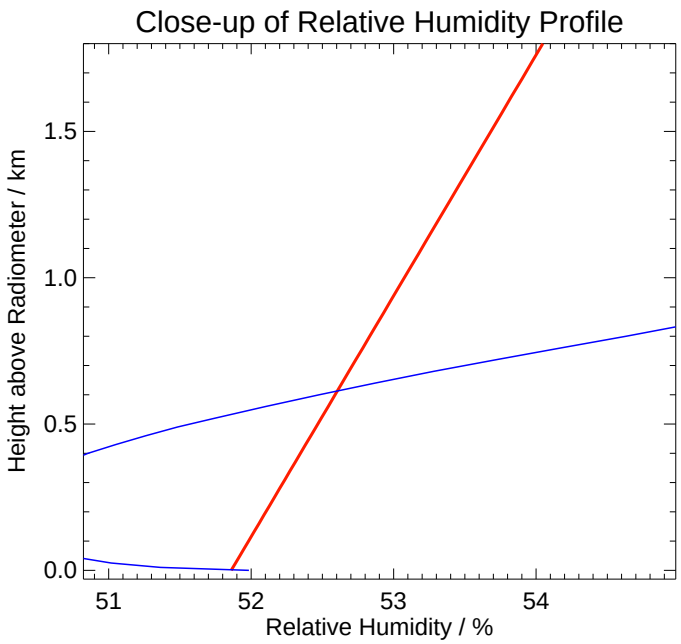

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

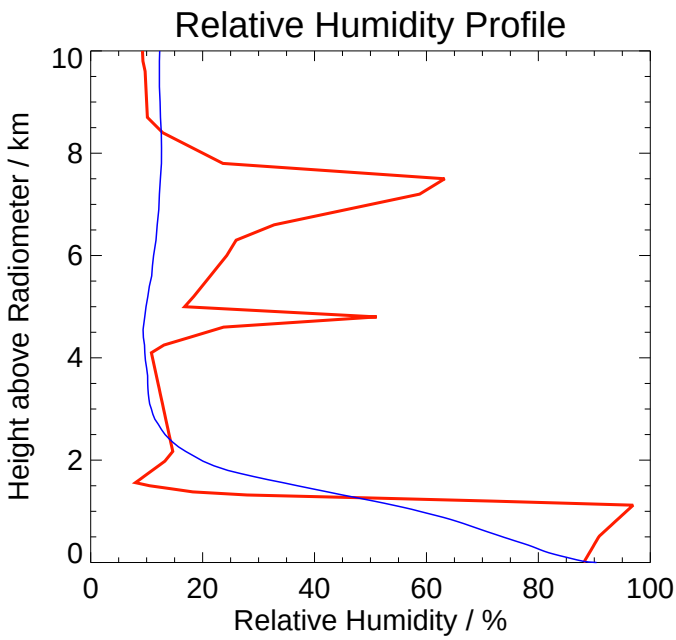

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
35
40
45
50
55

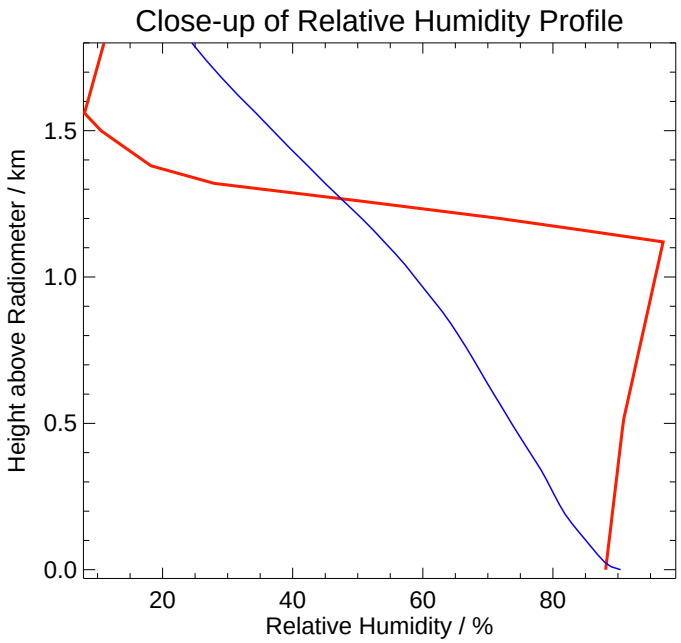

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

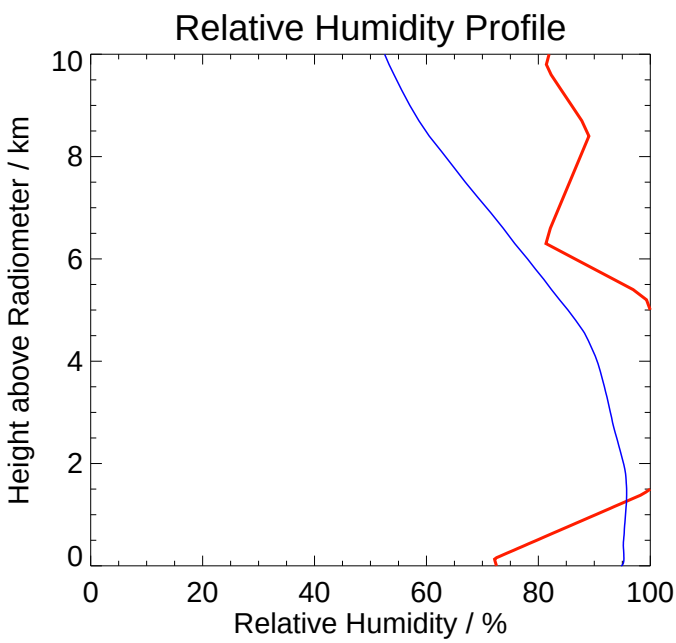

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

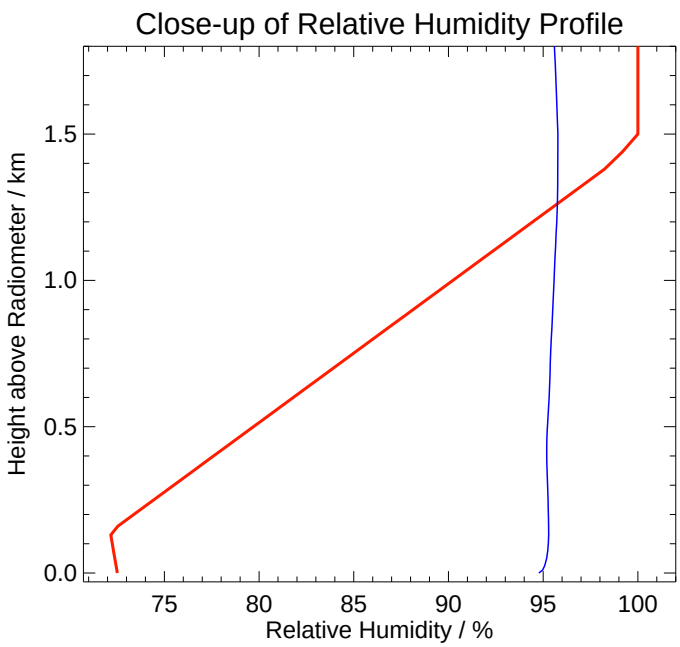

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

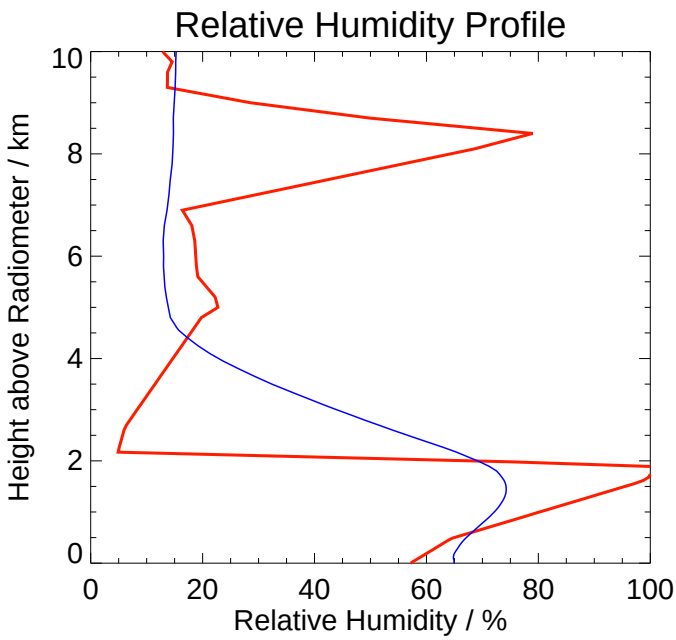

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
51
52
53
54

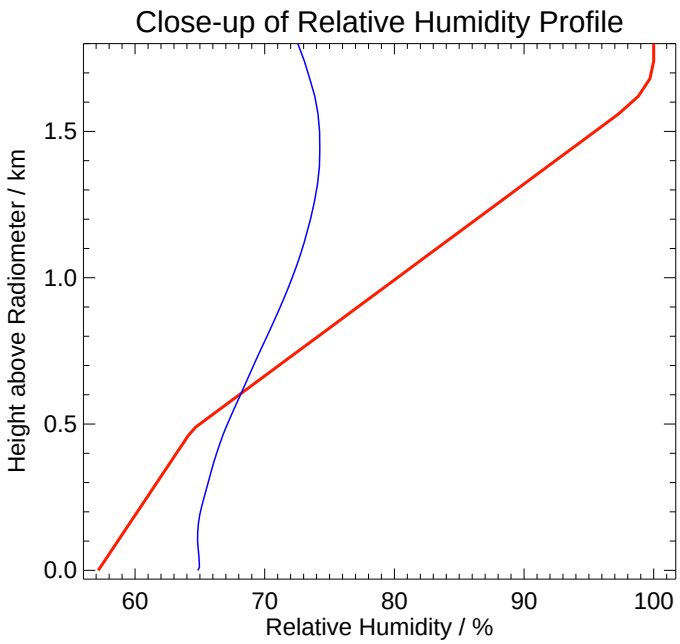

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

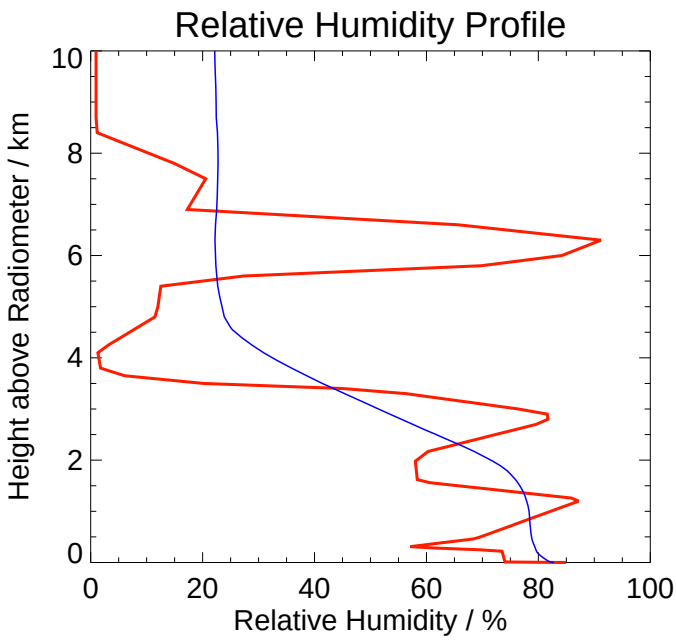

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
40
60
80

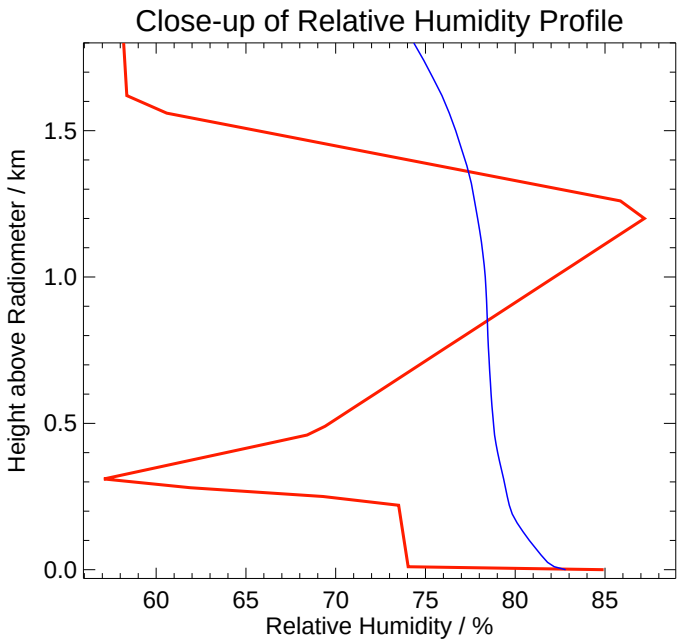

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

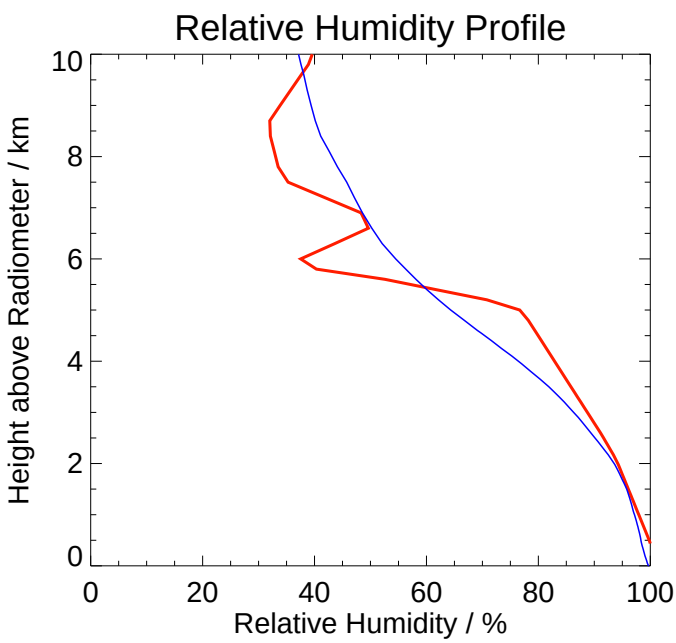

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

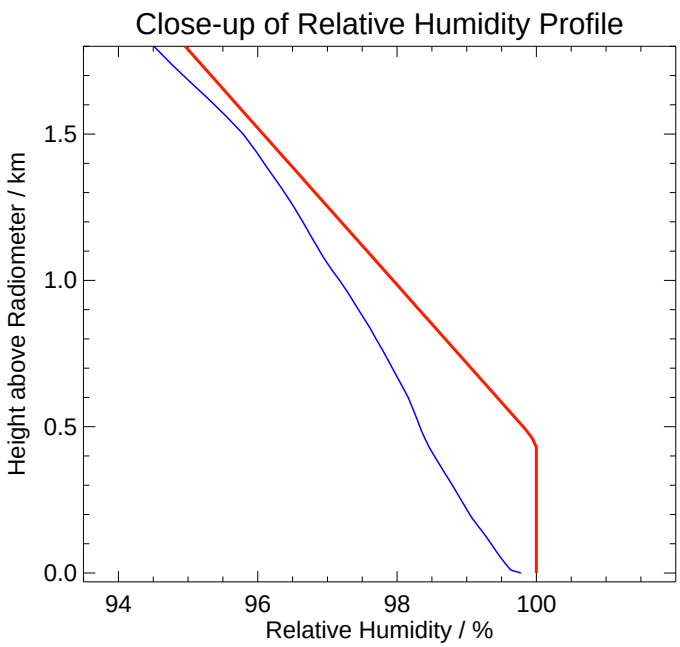

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

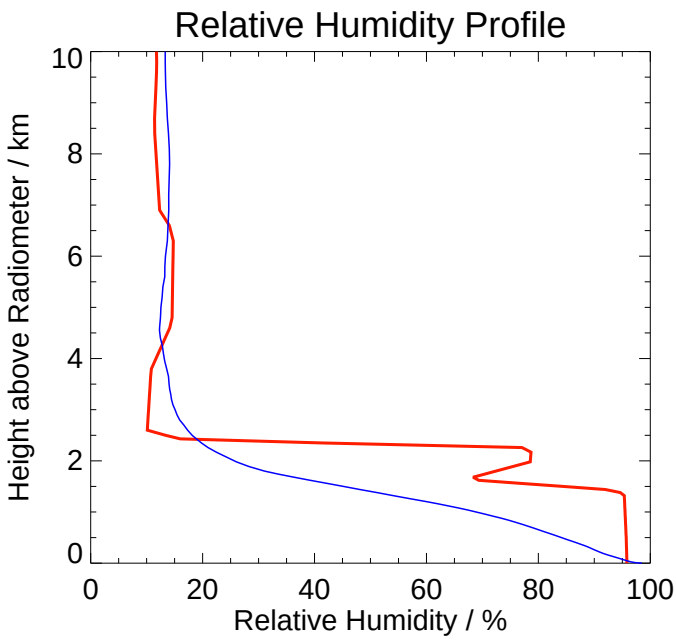

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90
100

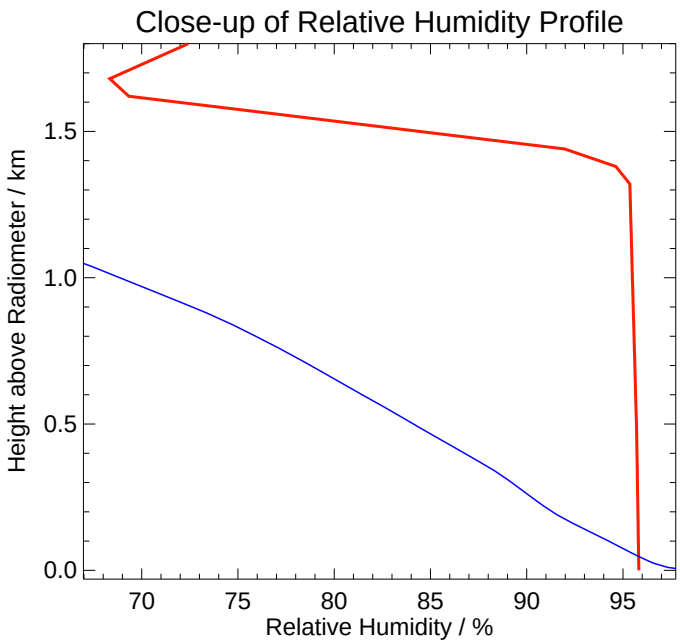

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

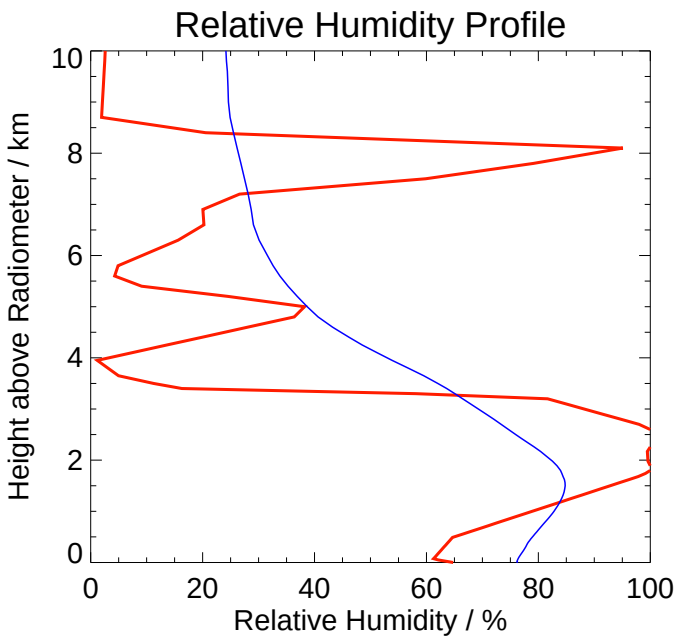

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85

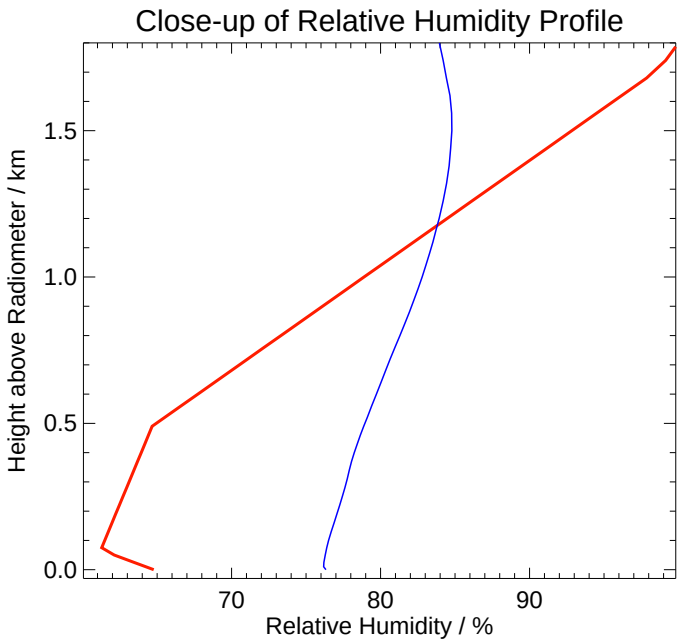

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

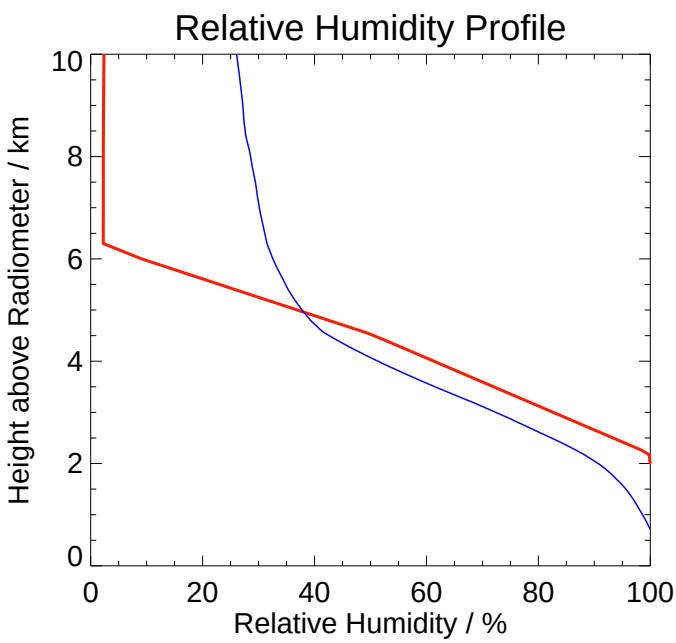

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

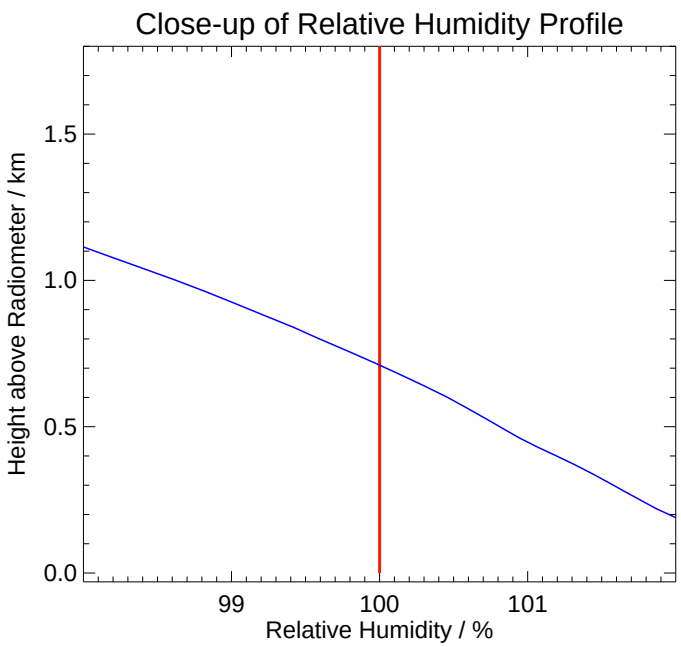

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

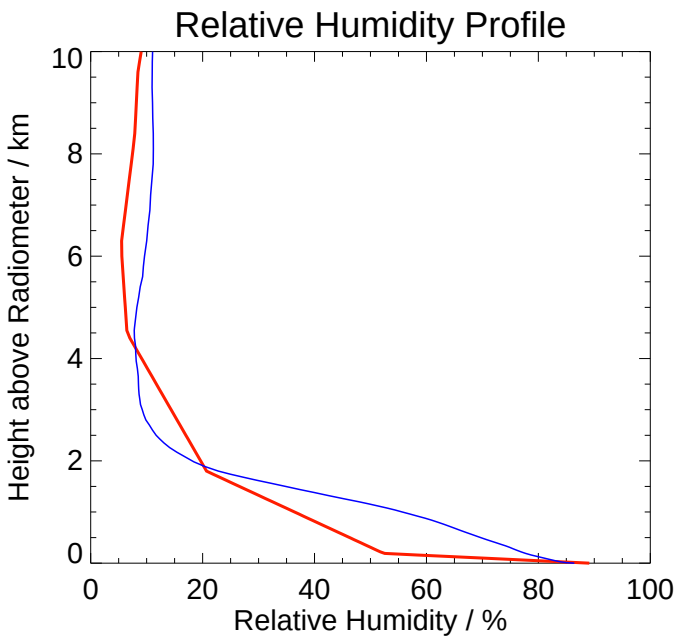

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95

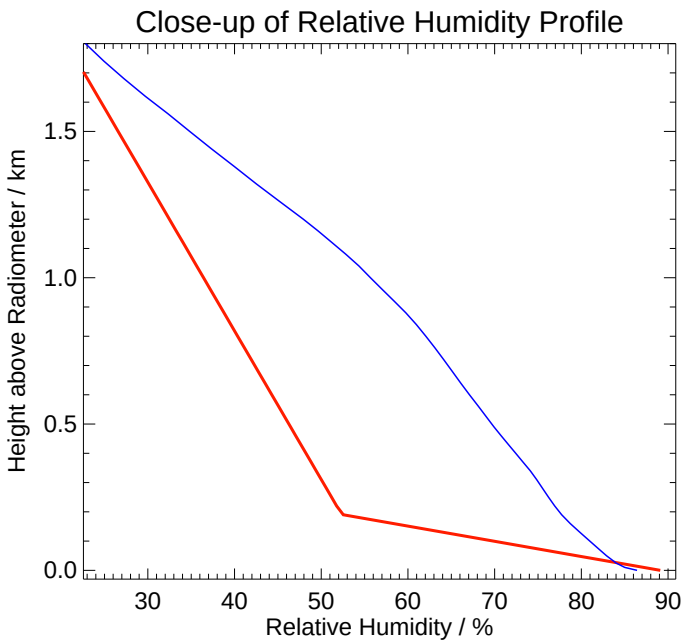

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

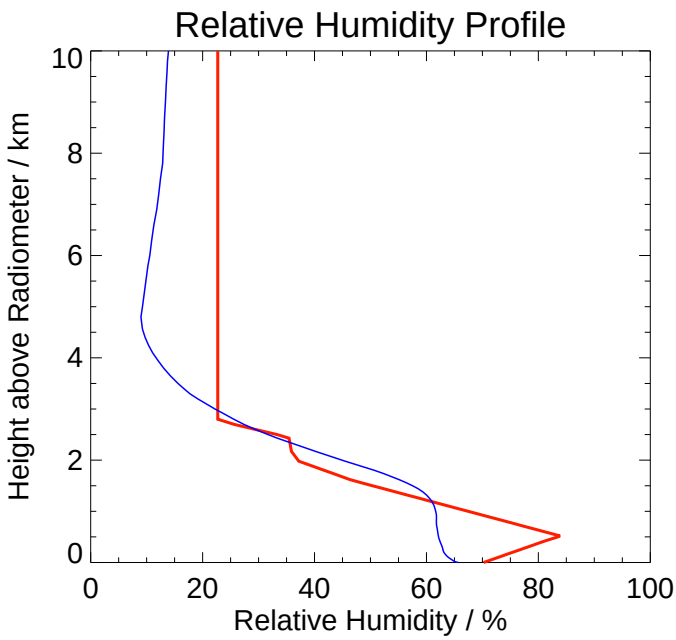

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90

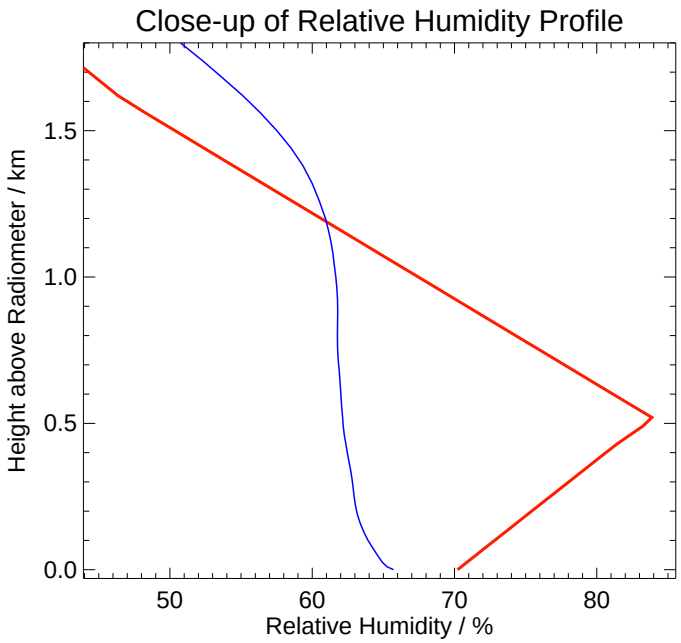

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

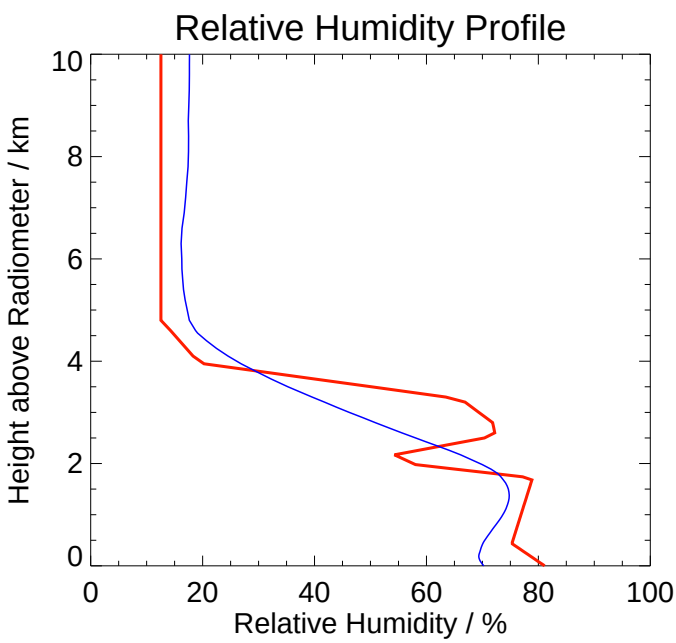

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

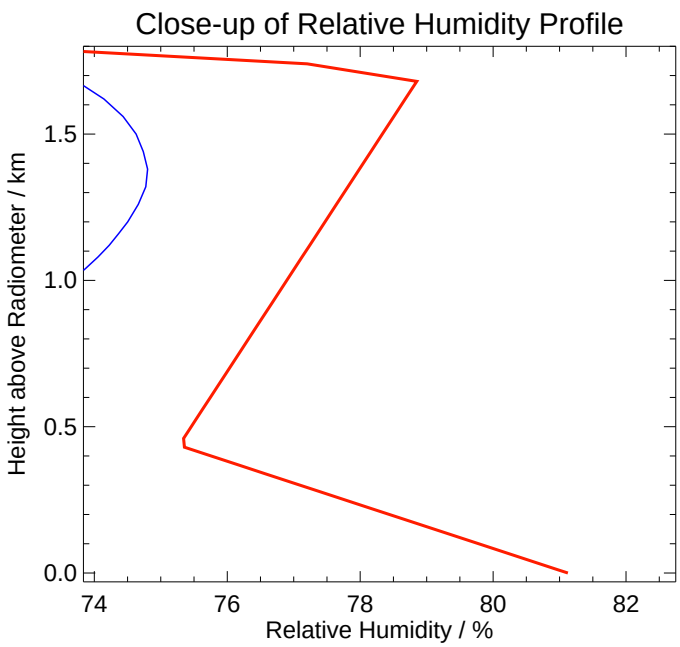

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

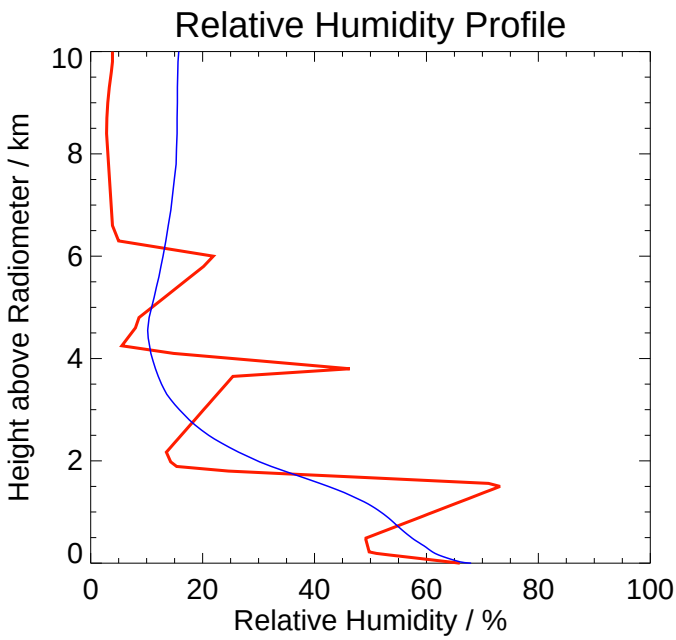

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
30
40
50
60
70
80
90

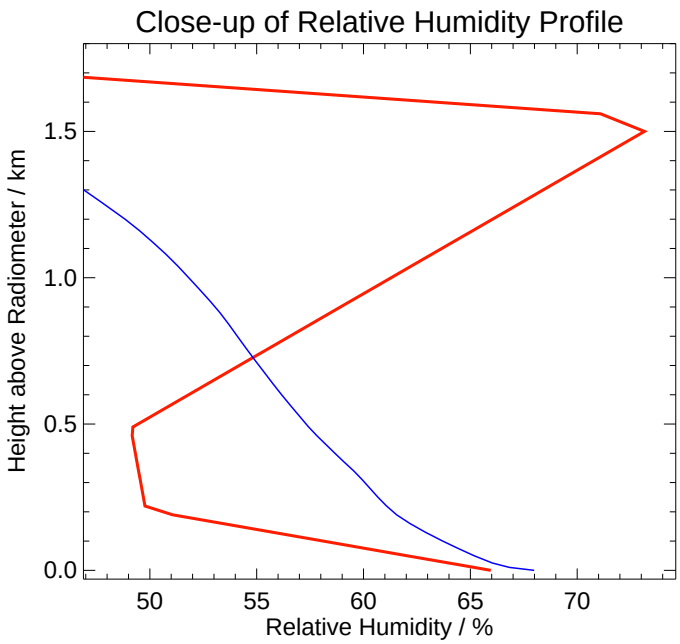

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

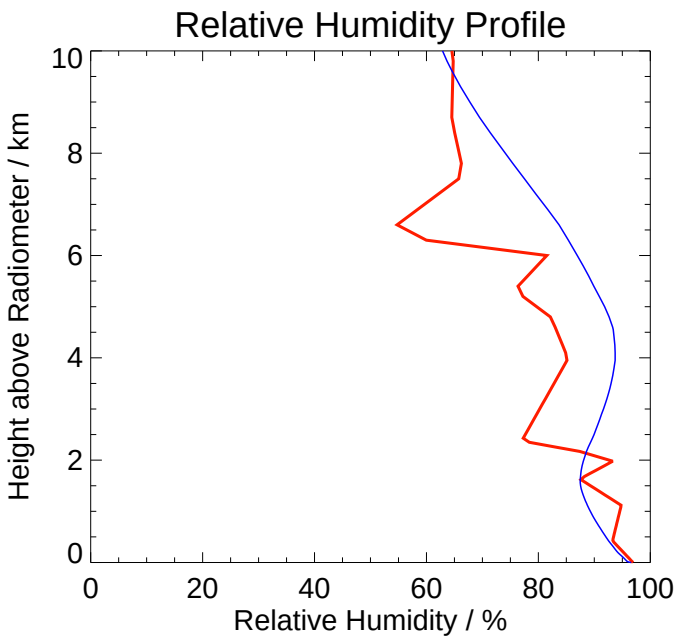

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80

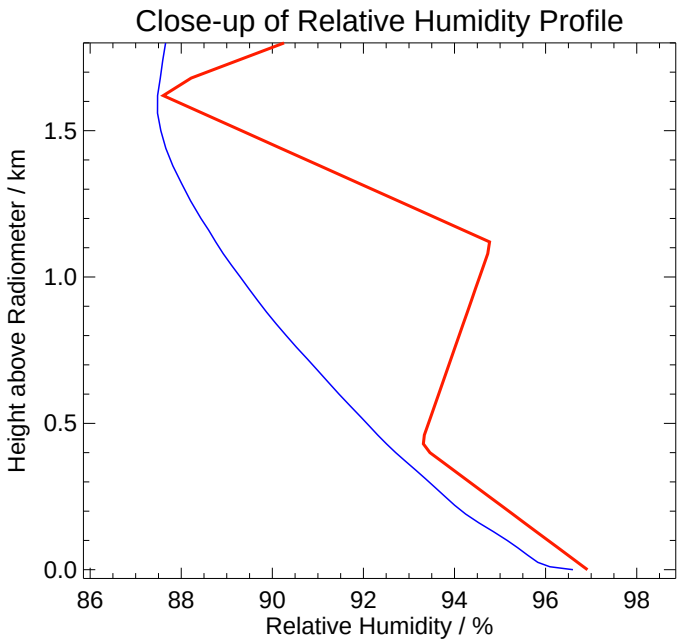

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

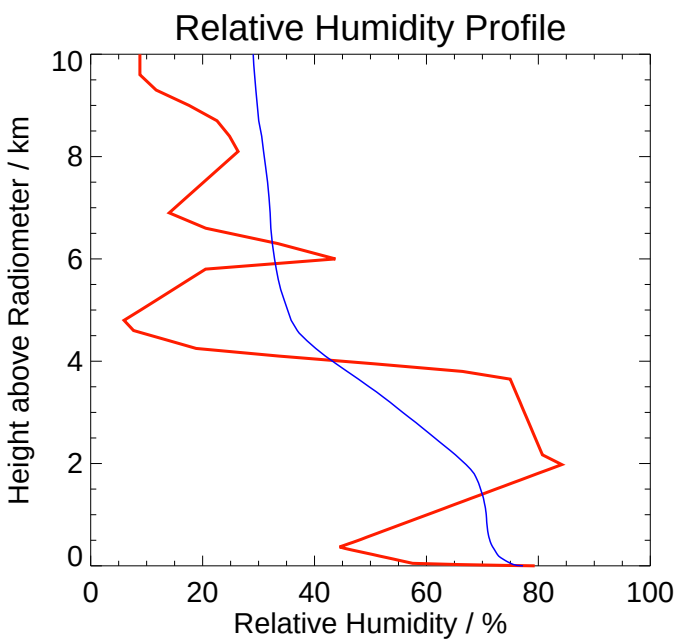

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
74
76
78
80
82

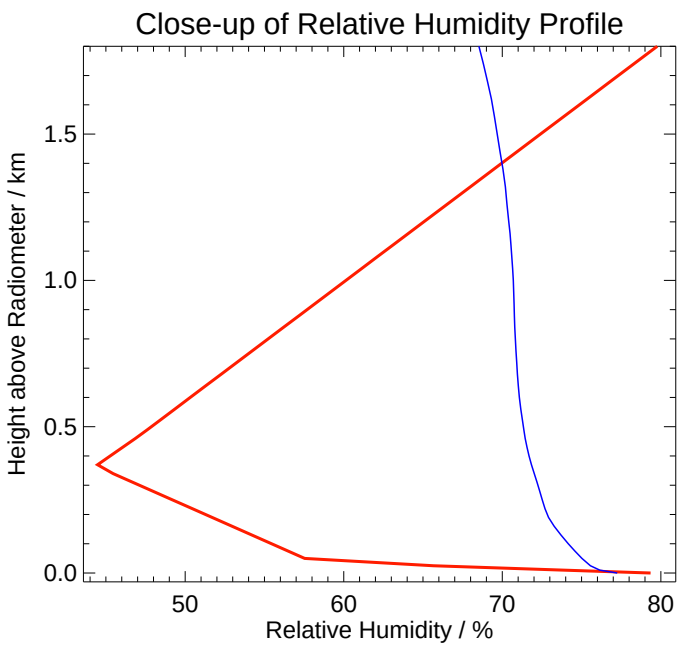

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

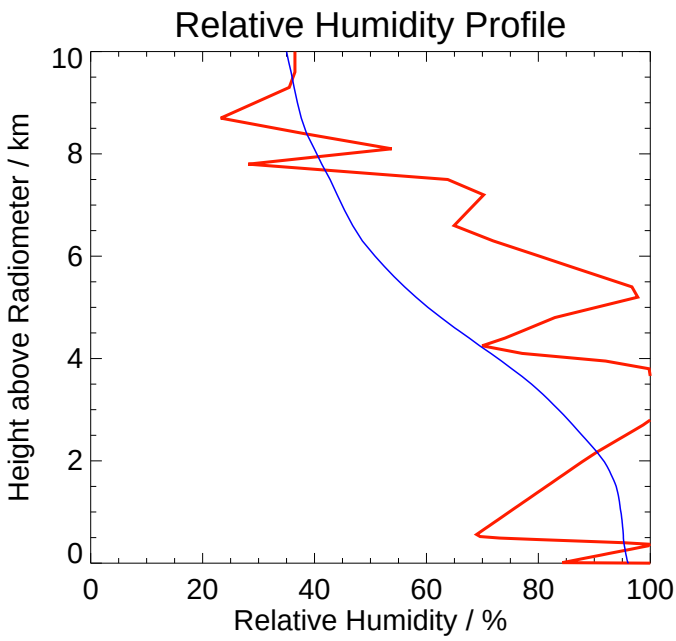

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
55
60
65
70

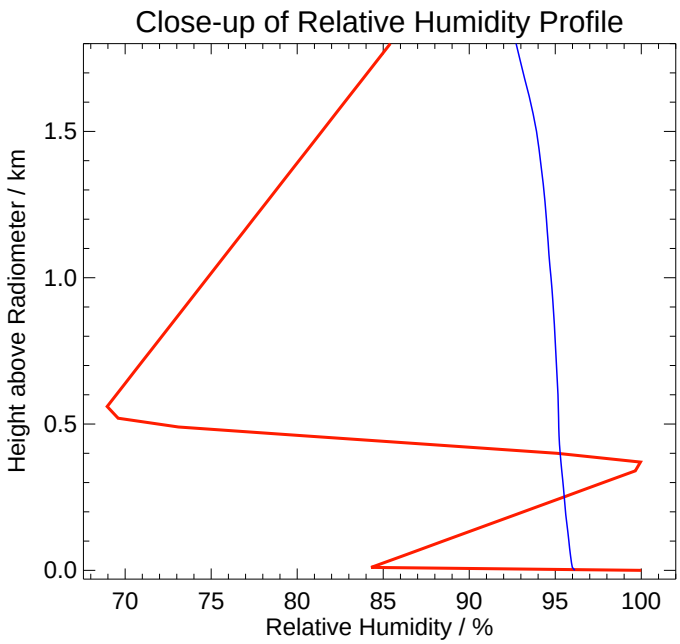

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

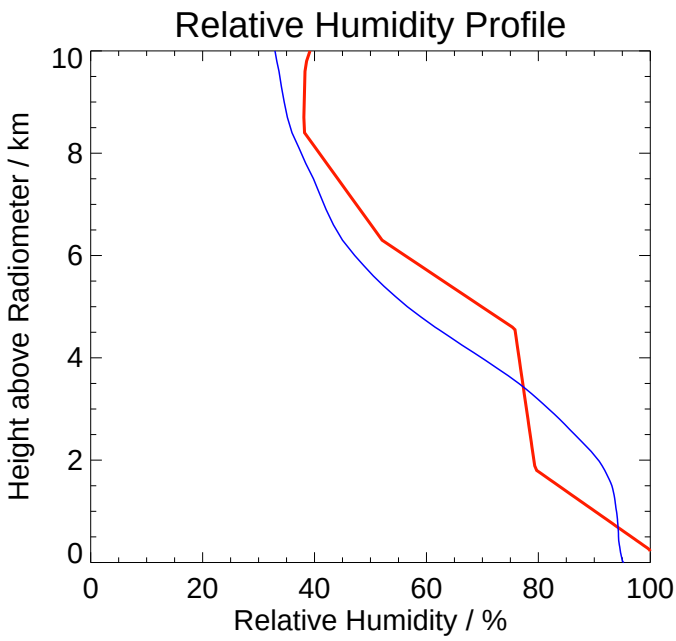

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96
98

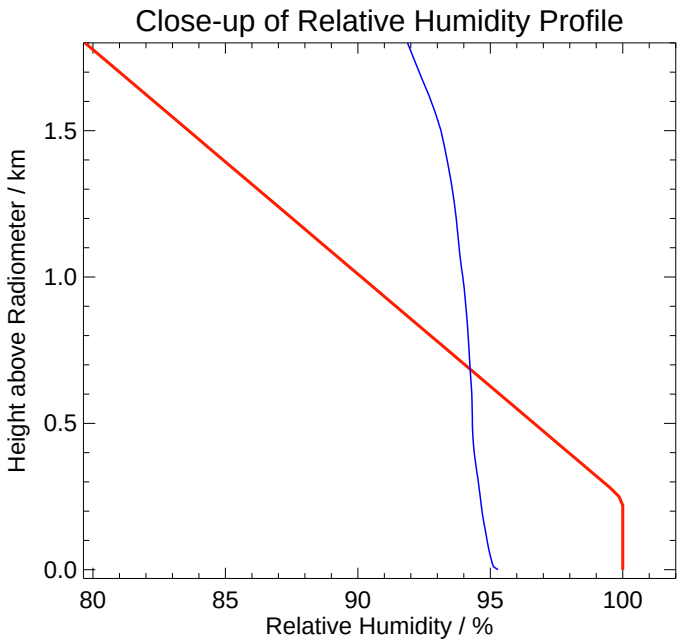

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

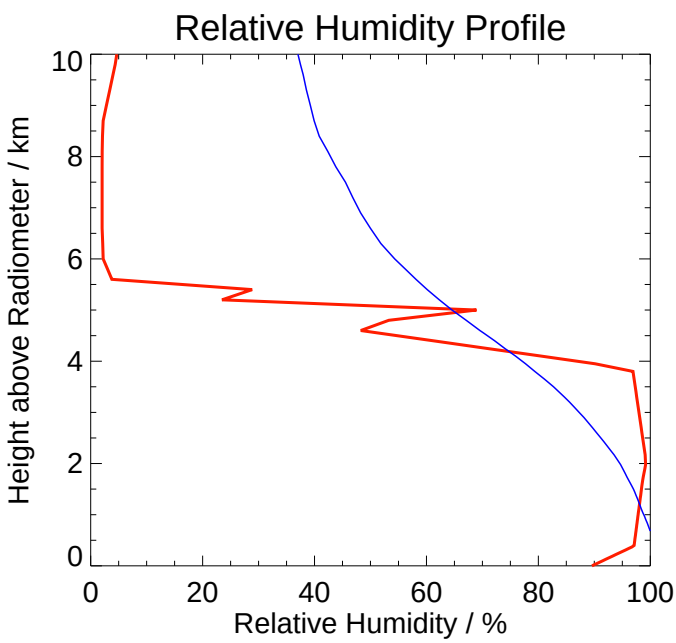

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80

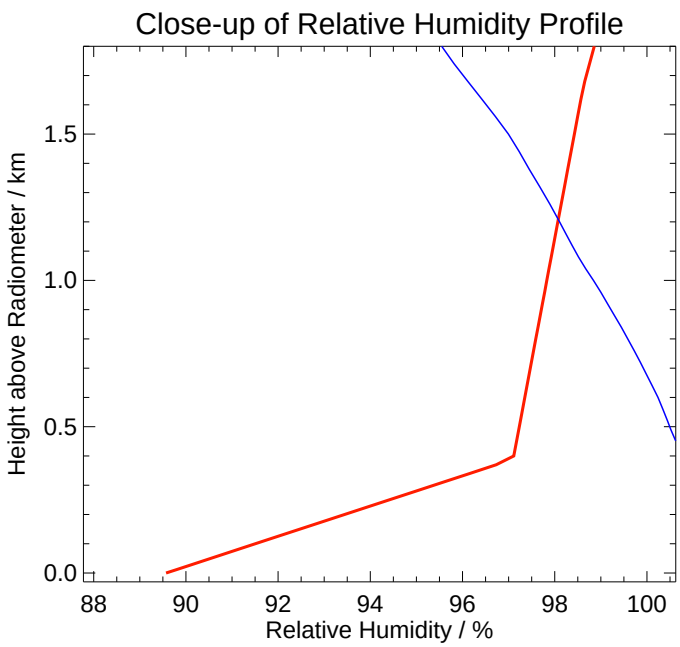

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

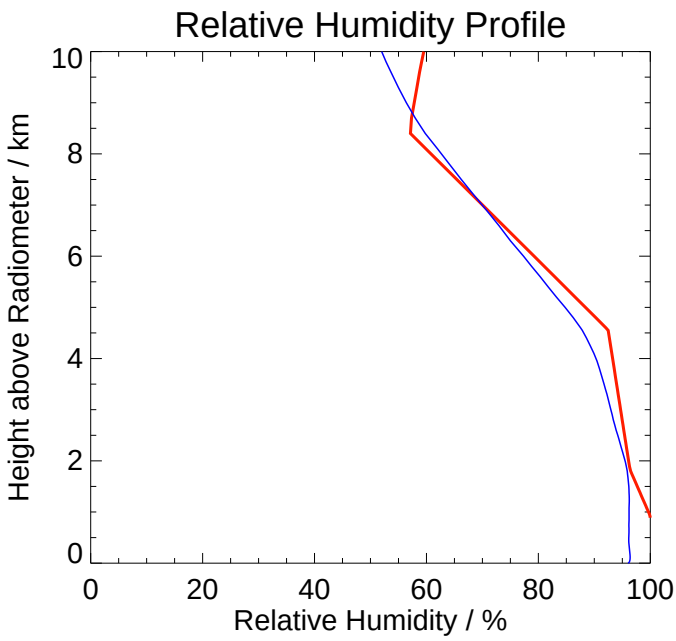

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95
100

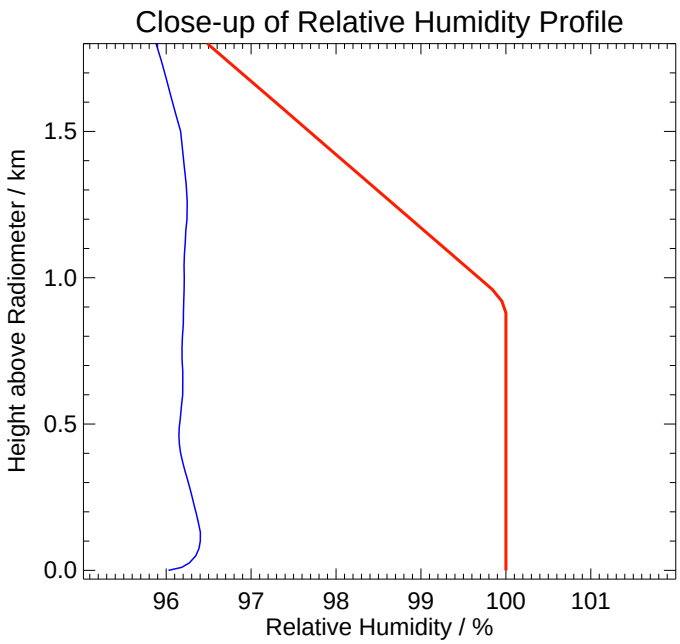

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

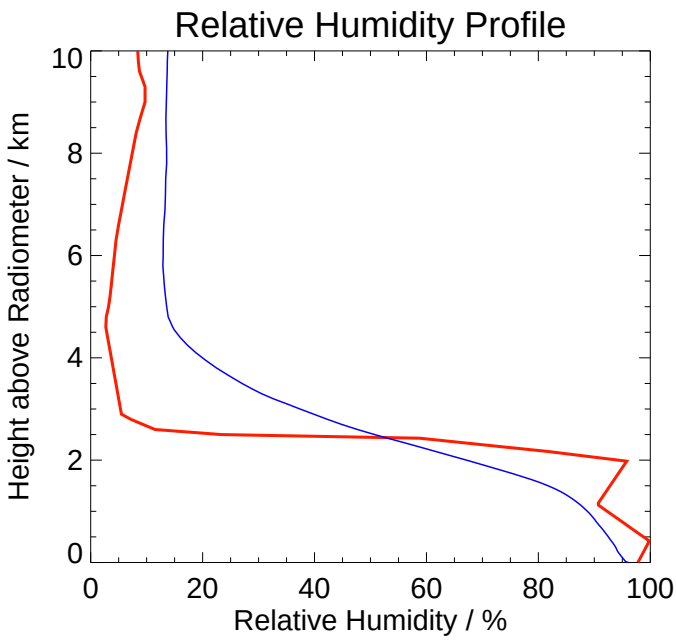

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

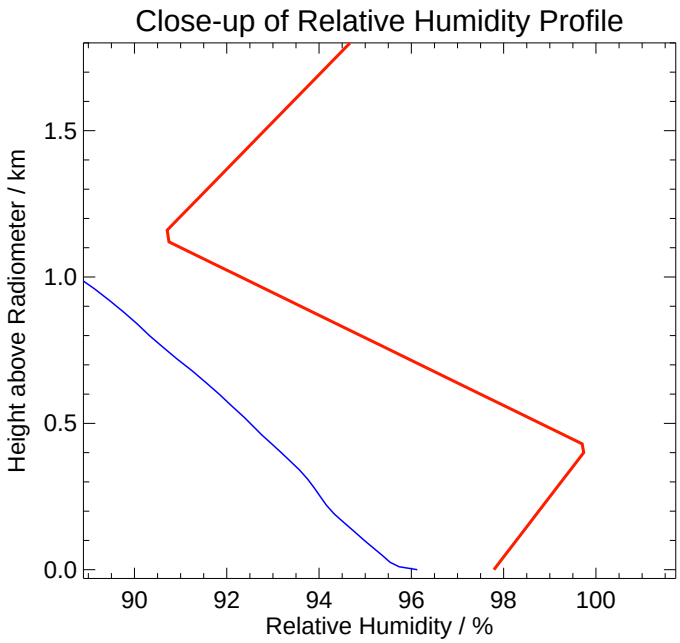

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

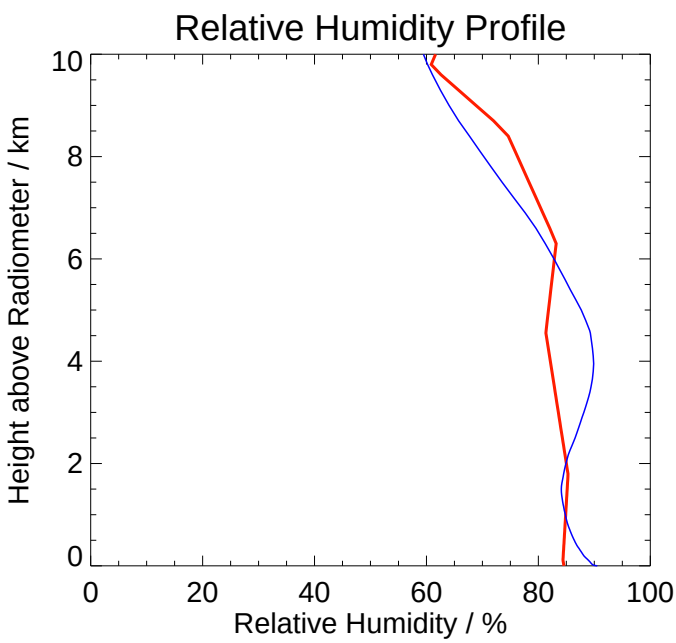

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96
98
100

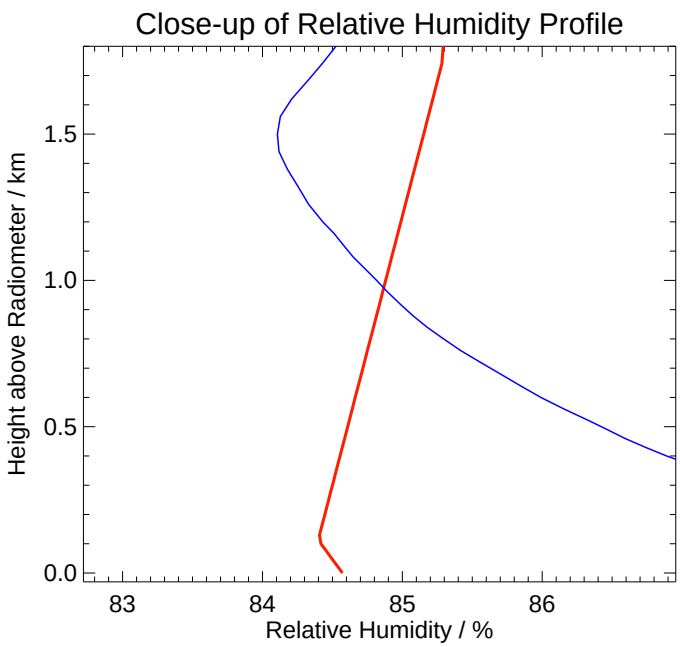

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

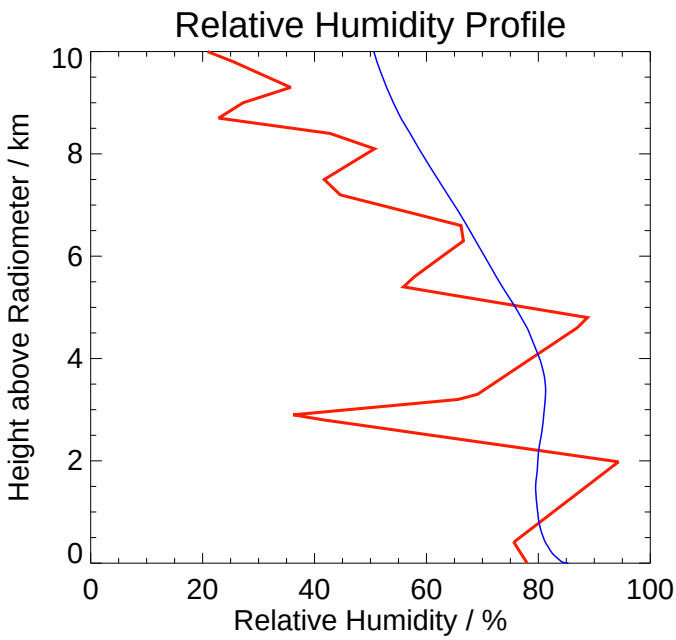

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

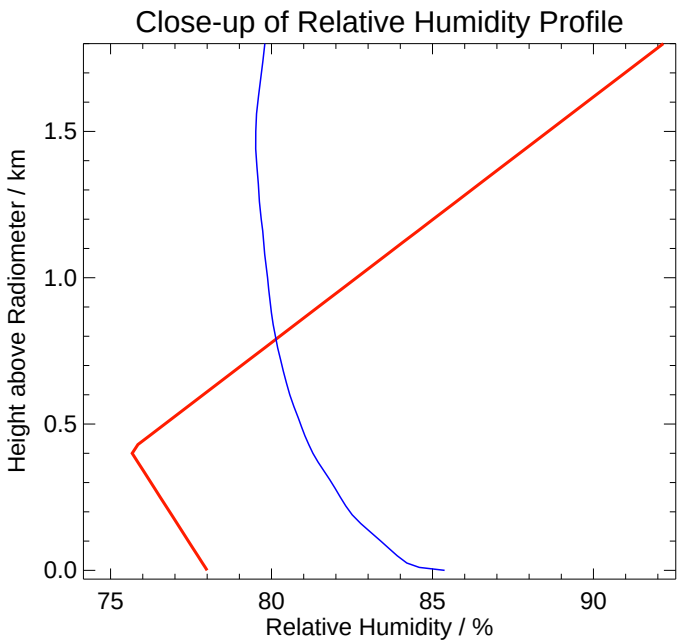

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

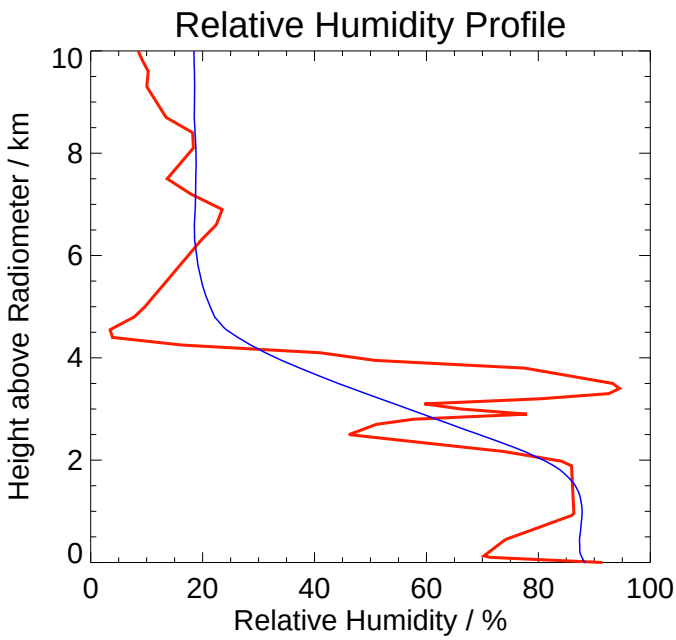

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
92
94
96
98
100

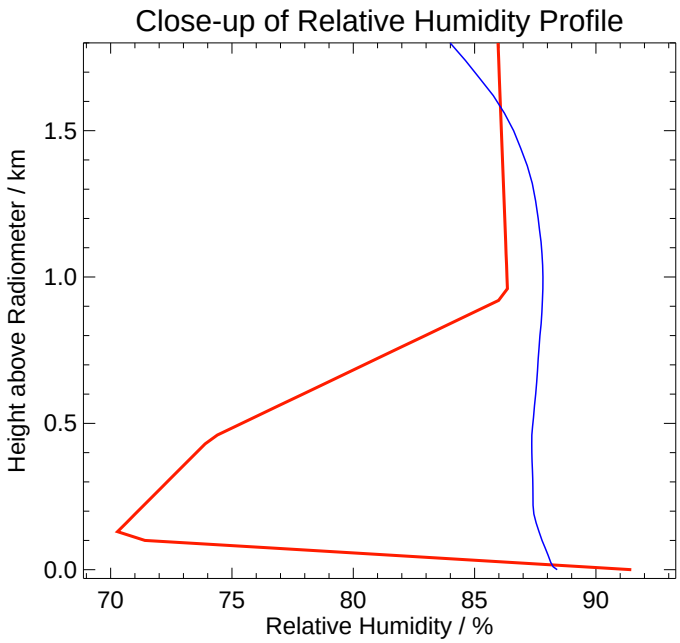

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

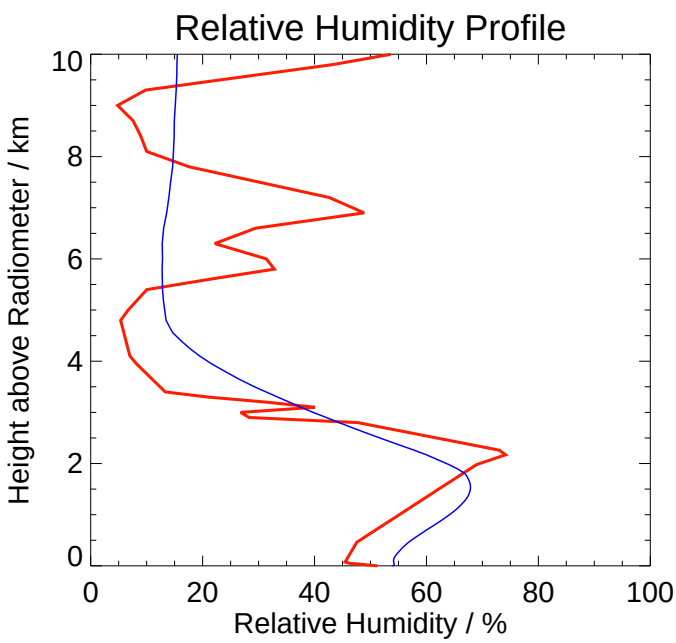

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
83
84
85
86

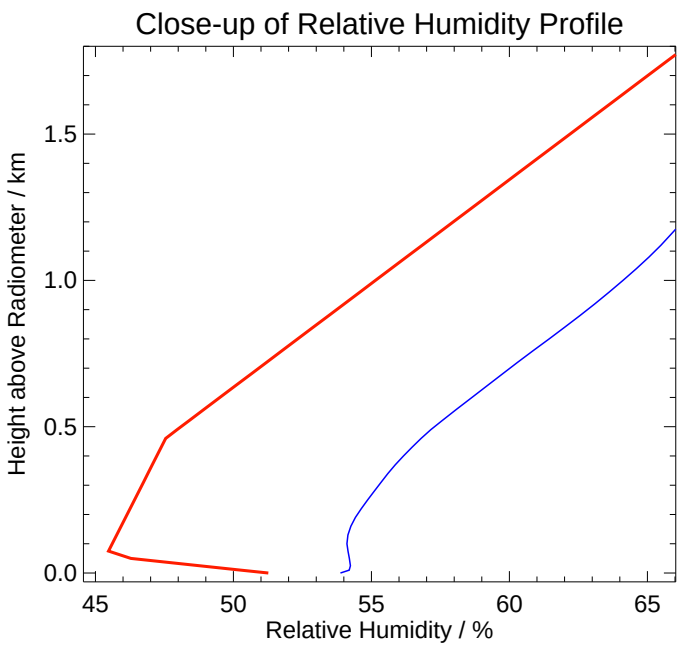

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

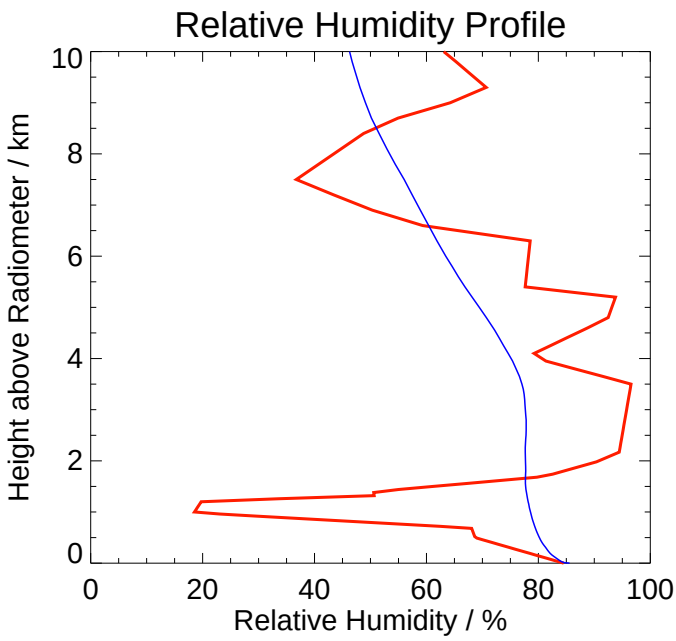

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

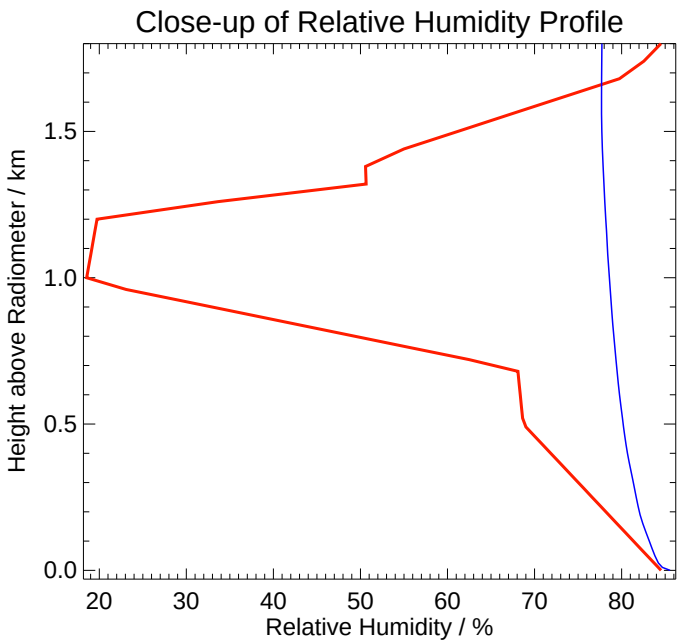

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

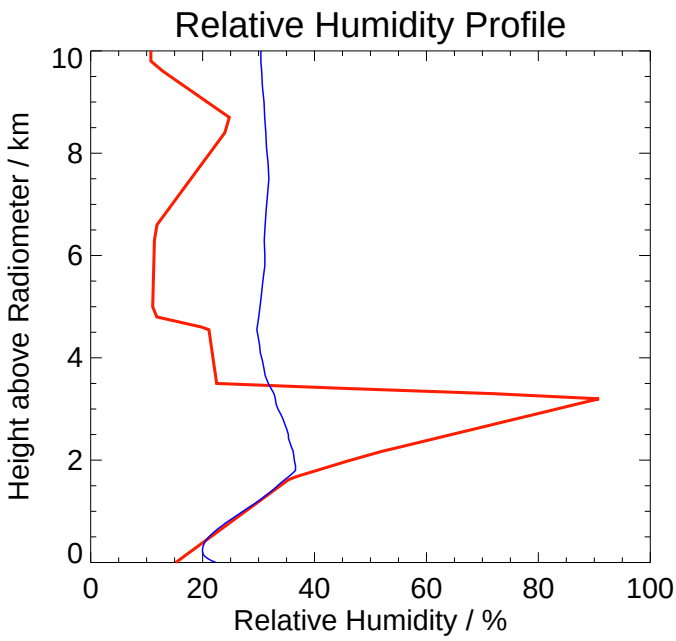

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90

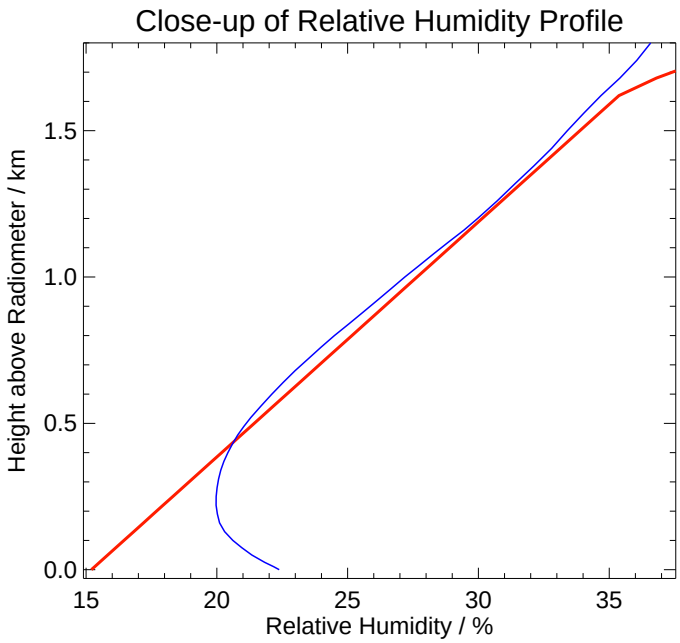

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

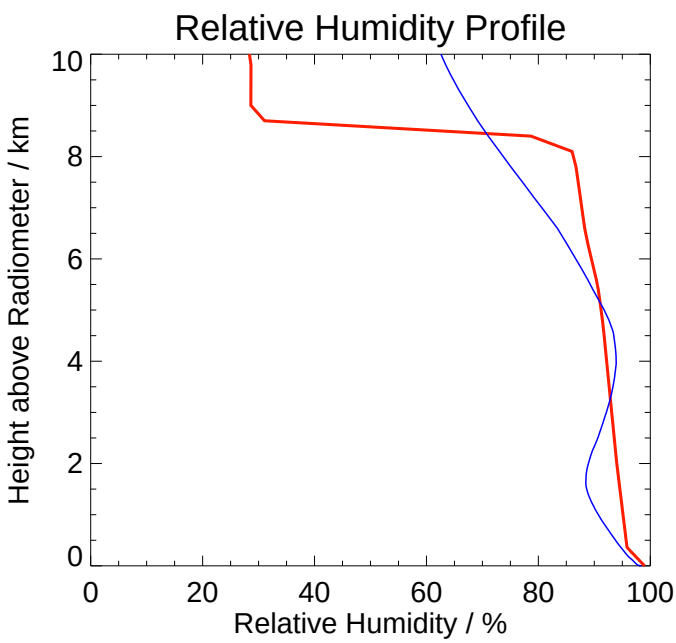

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
45
50
55
60
65

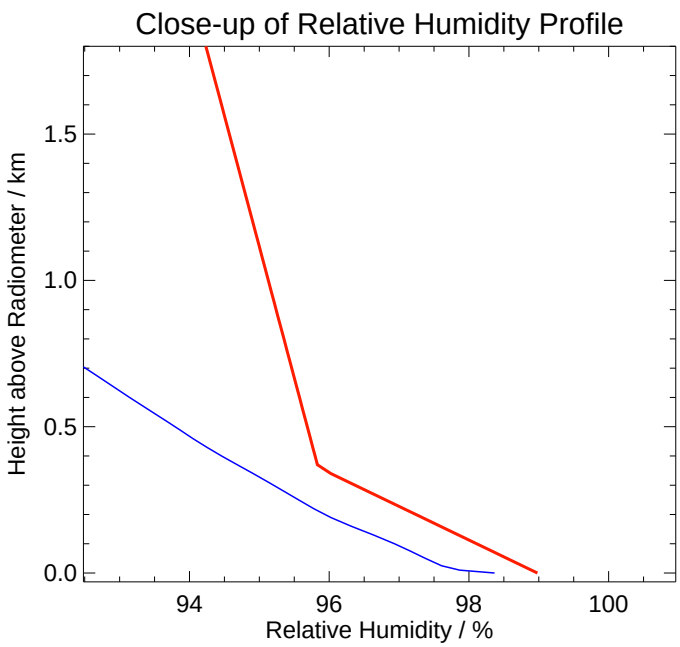

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

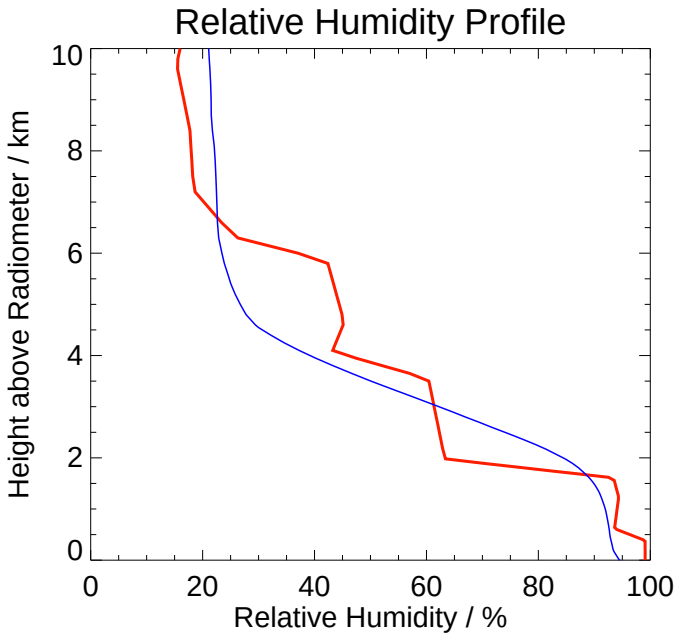

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60
70
80

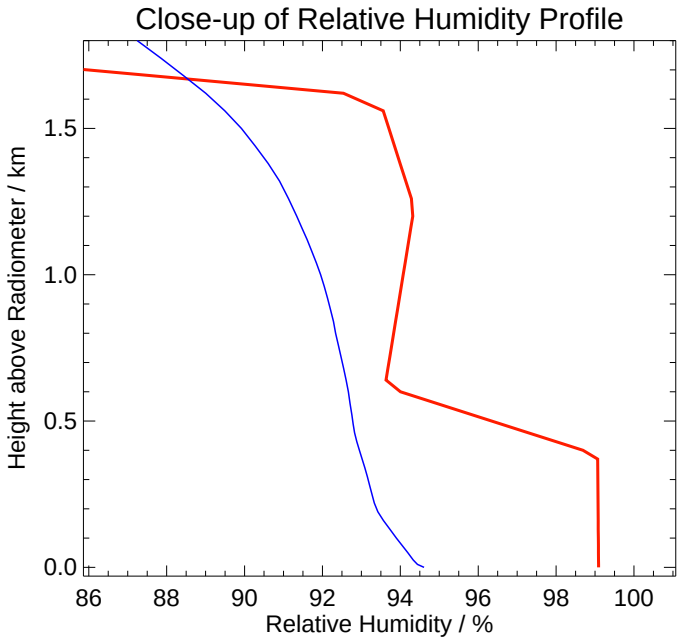

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

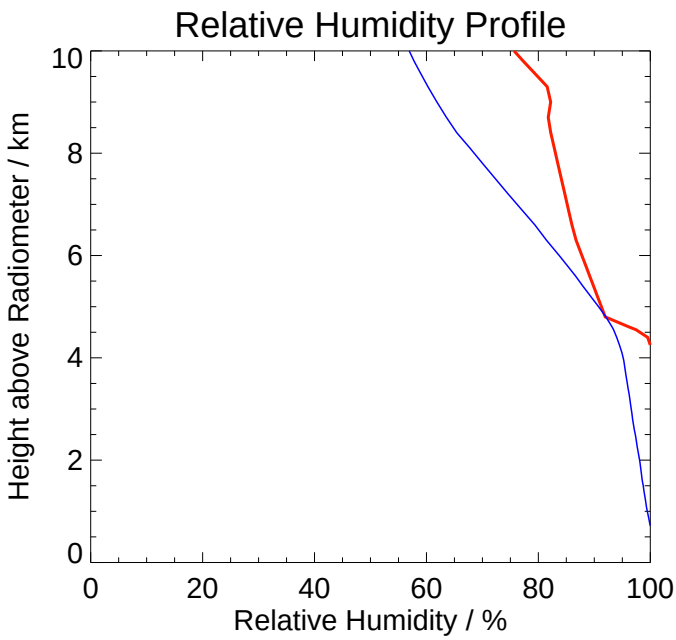

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
15
20
25
30
35

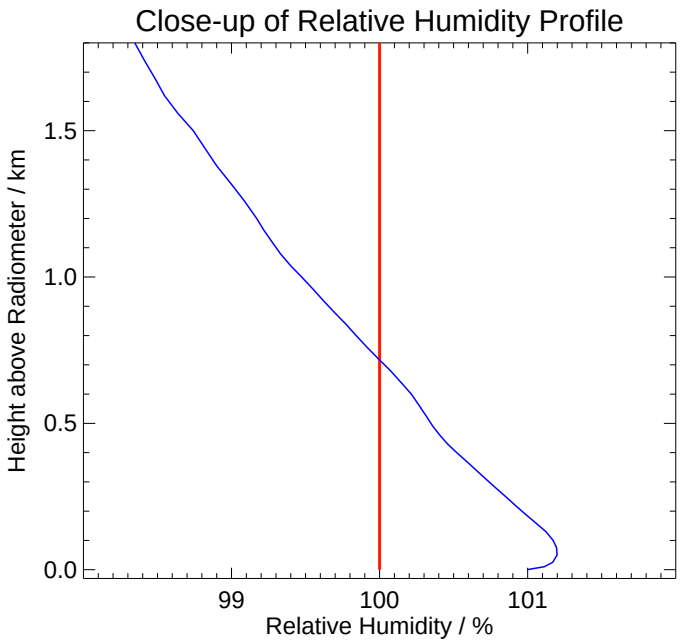

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

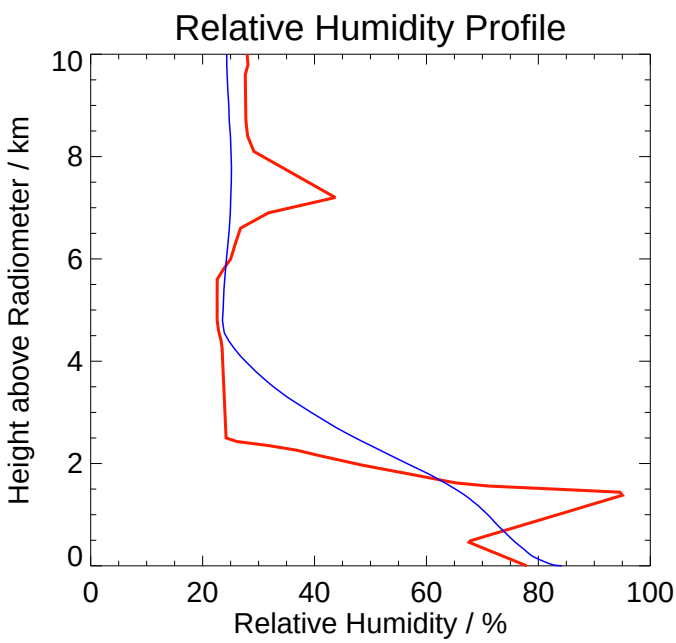

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

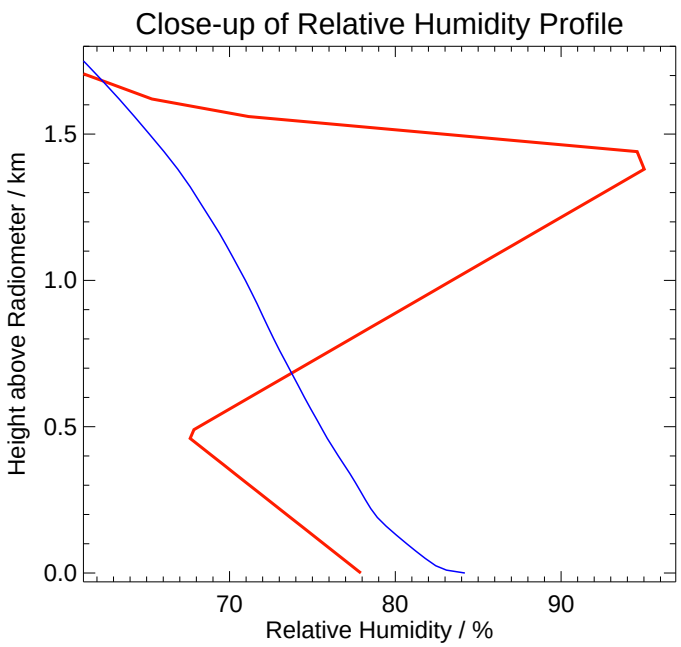

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

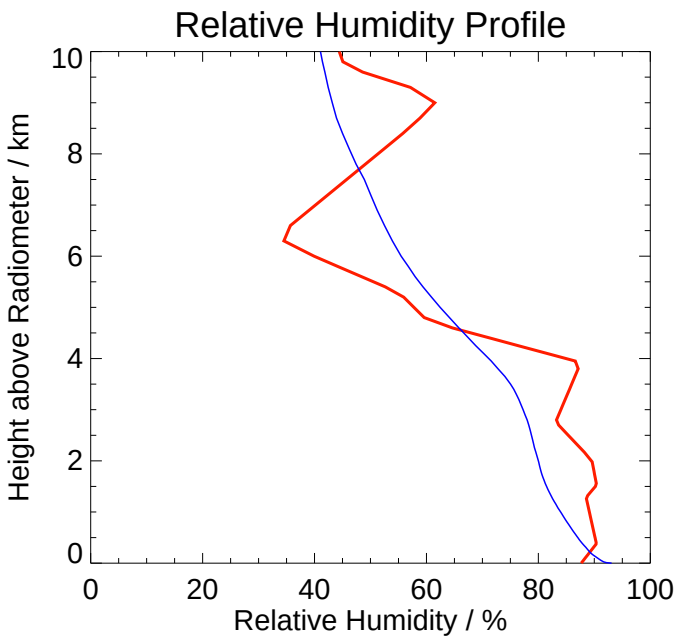

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
88
90
92
94
96
98
100

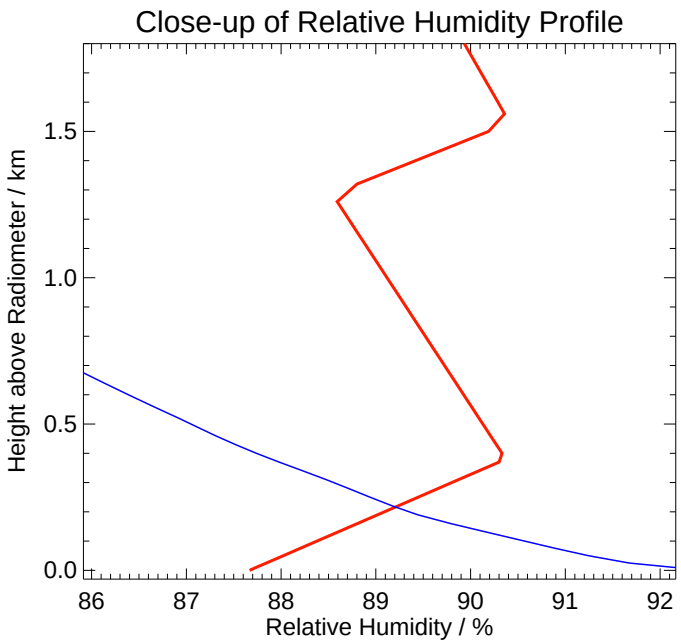

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

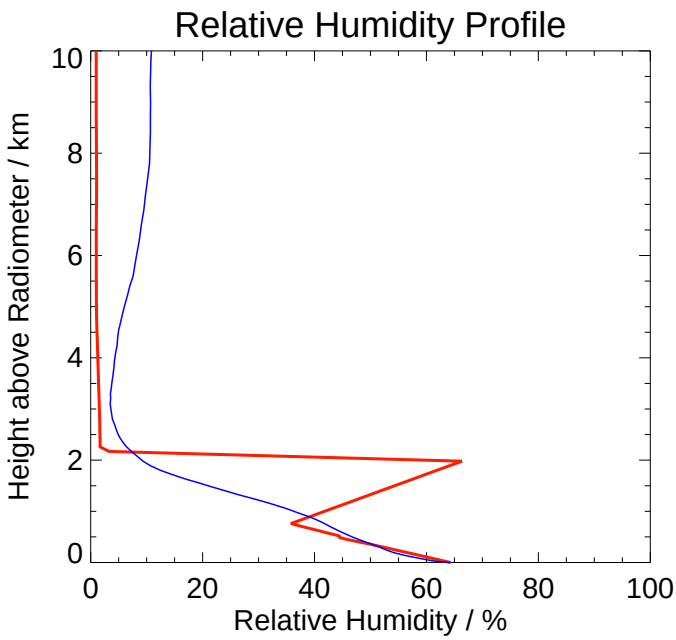

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

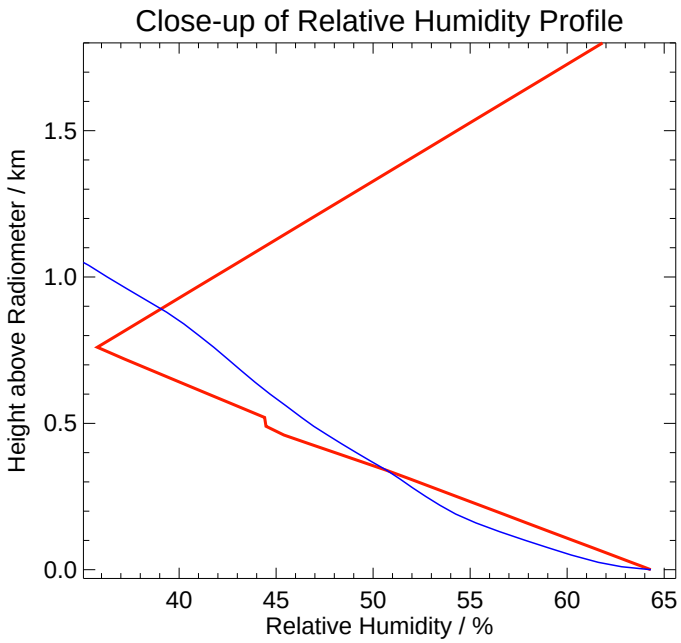

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

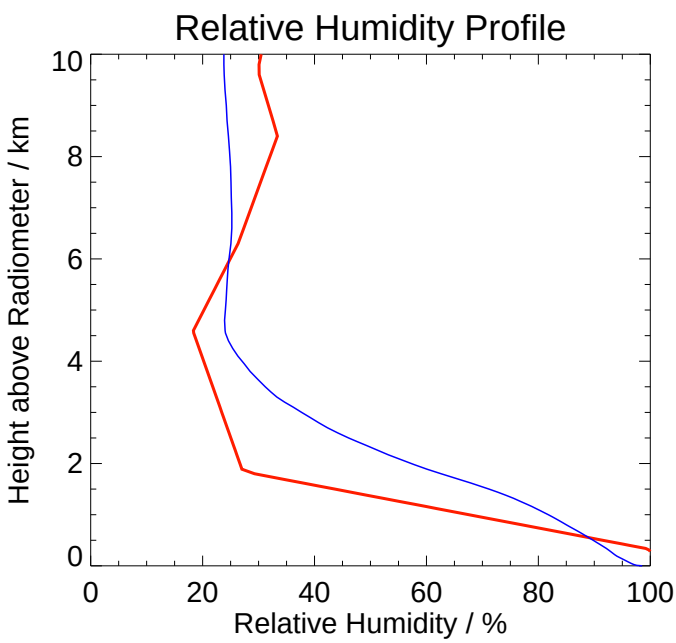

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90

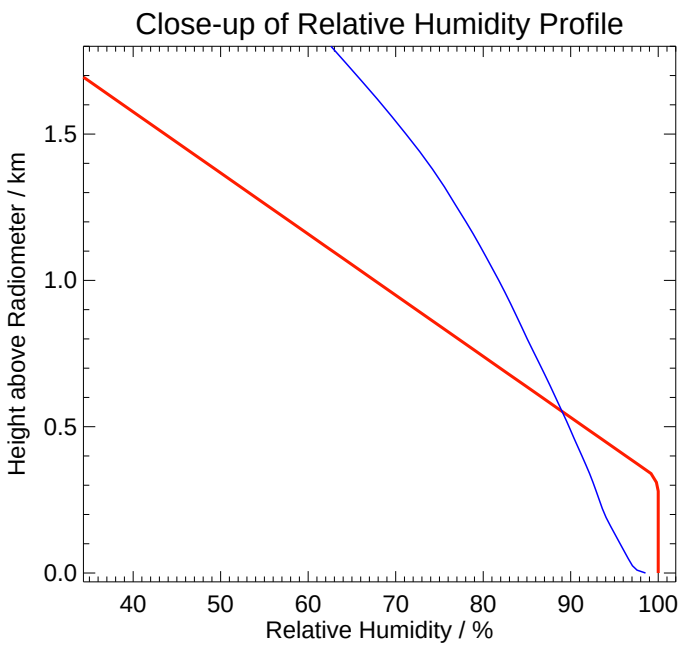

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

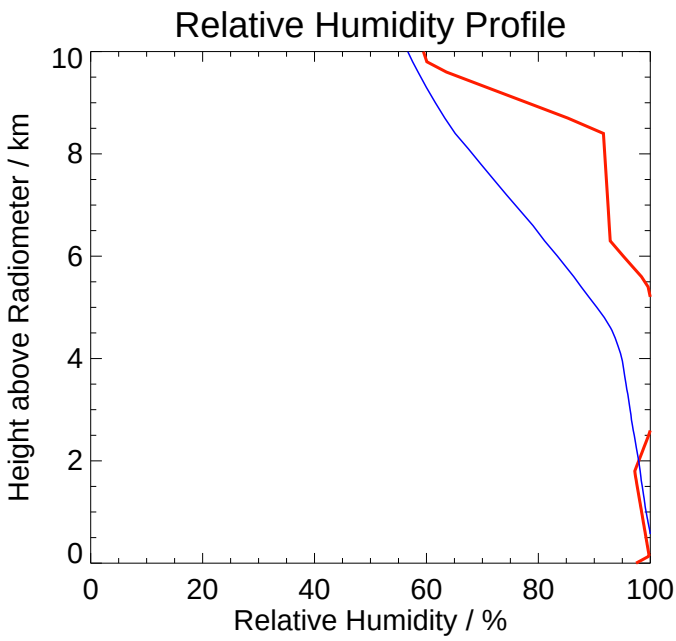

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
86
87
88
89
90
91
92

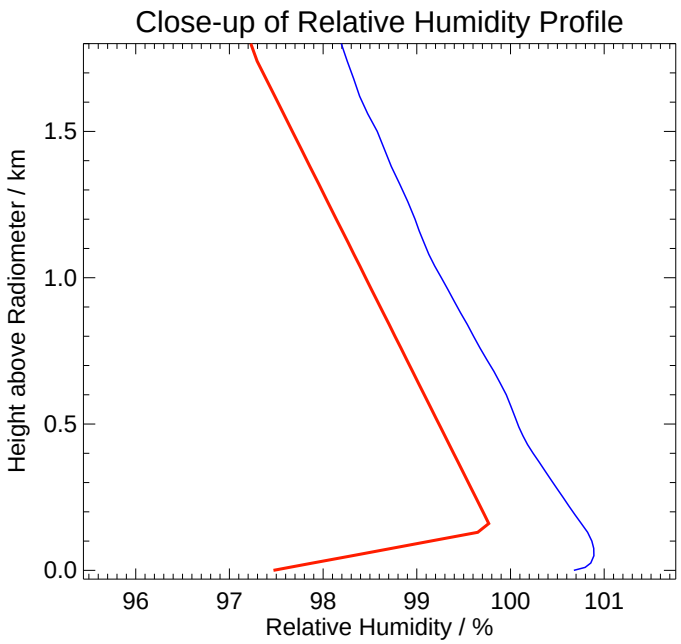

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

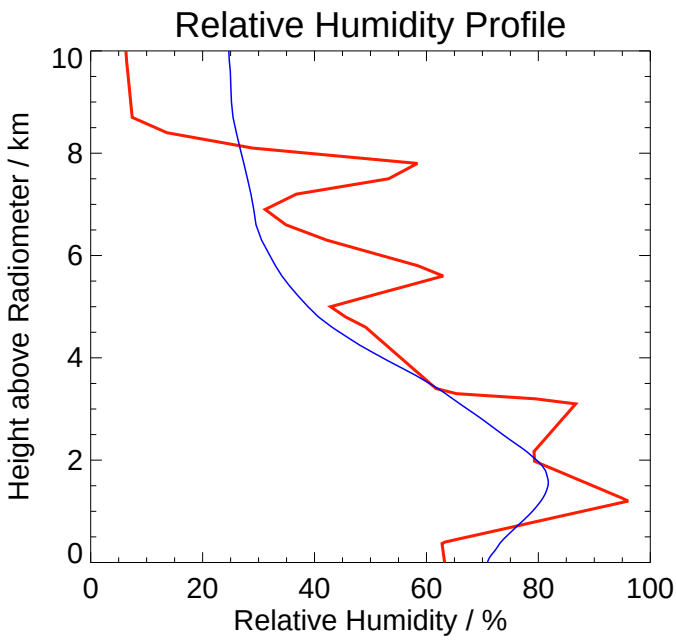

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
45
50
55
60
65

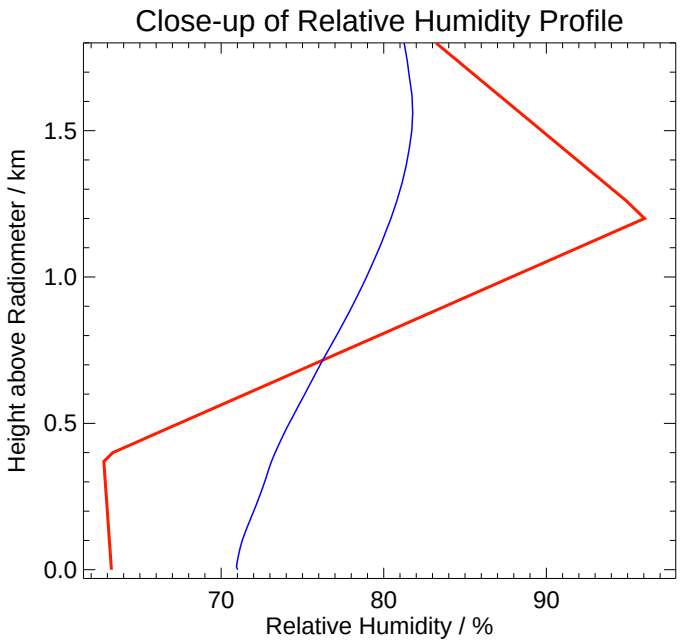

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

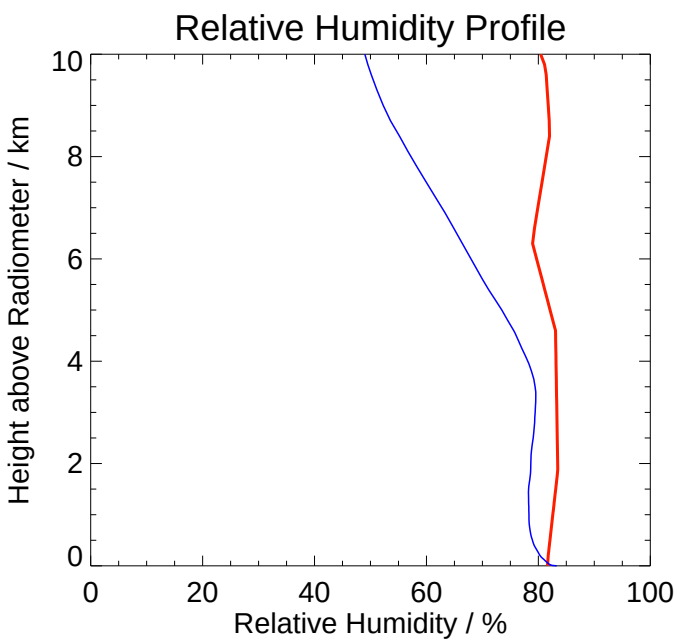

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80
90
100

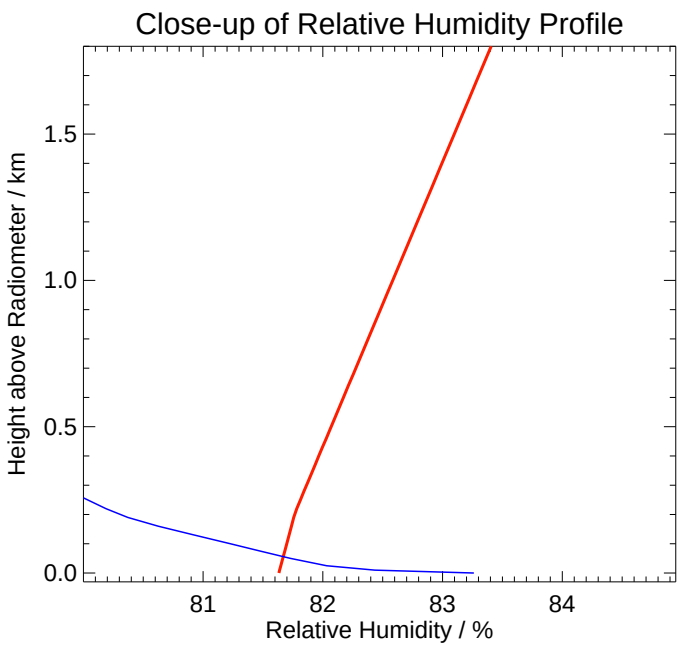

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

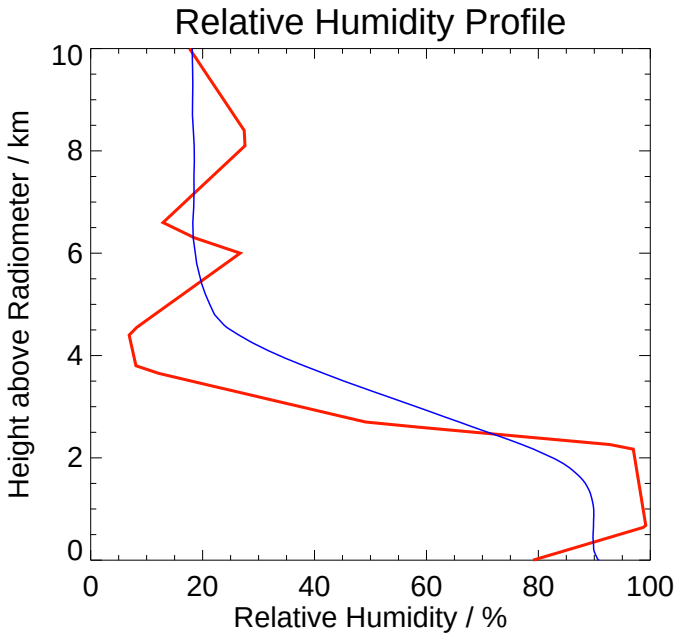

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
97
98
99
100
101

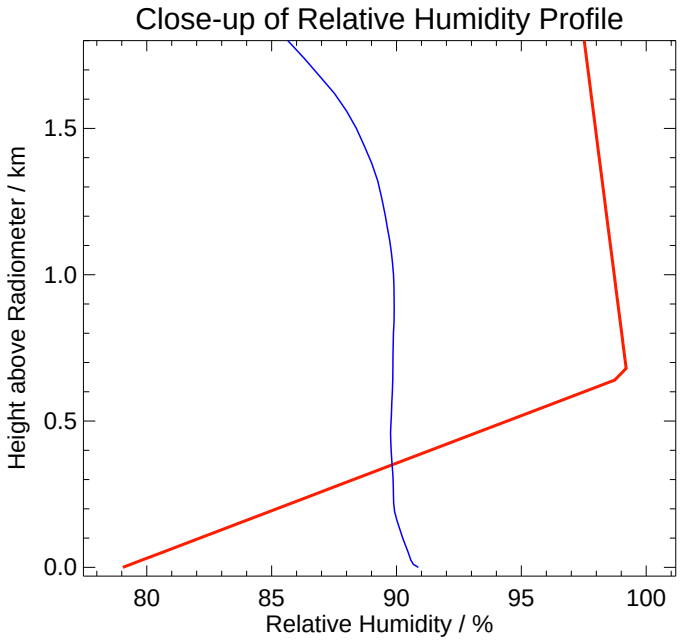

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

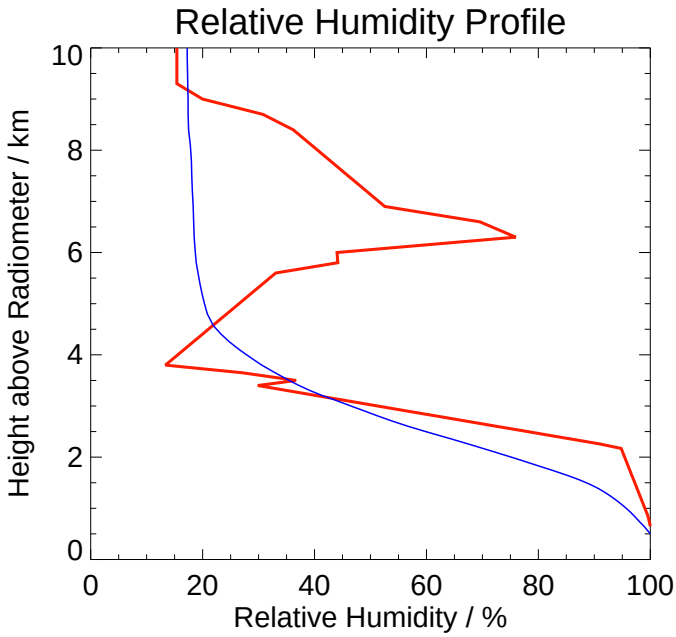

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90

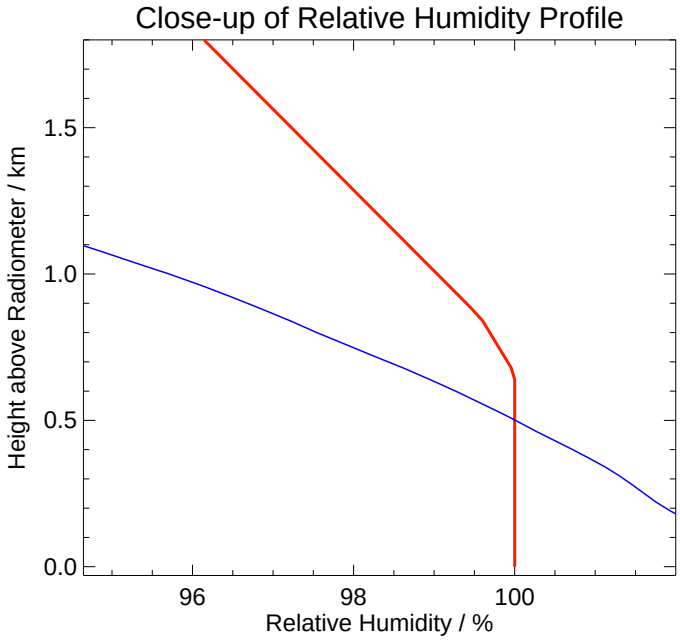

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

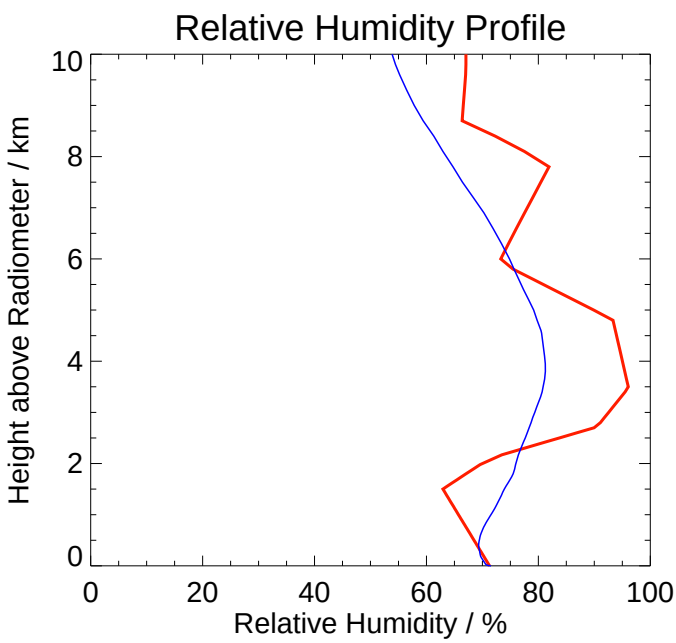

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
81
82
83
84

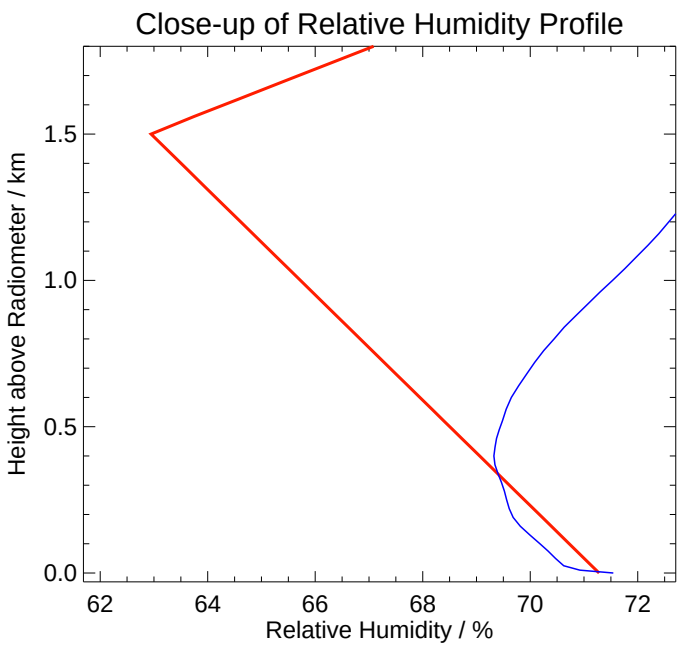

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

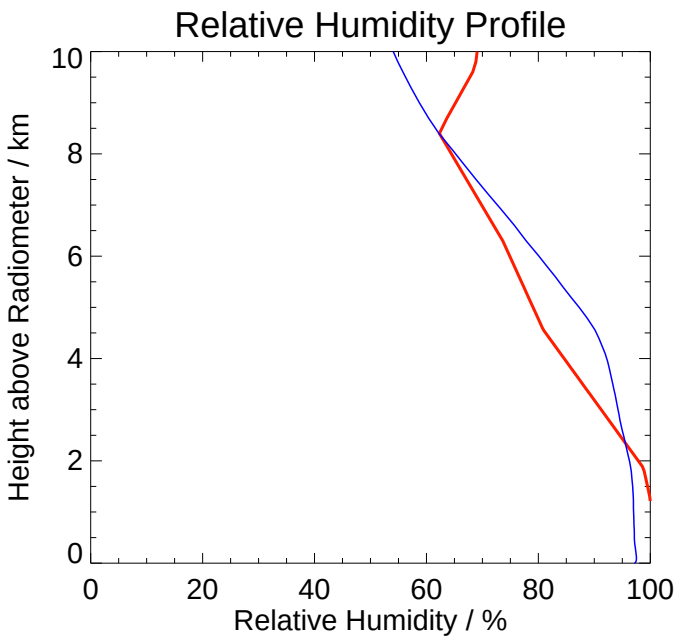

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

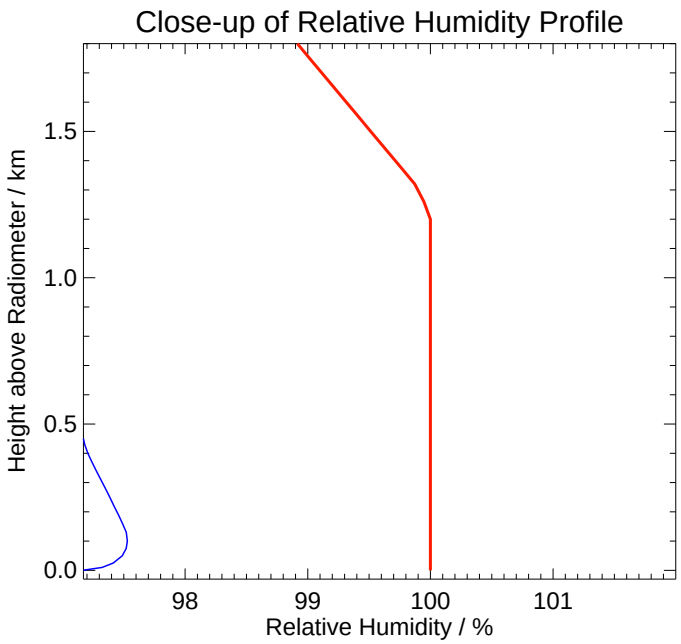

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

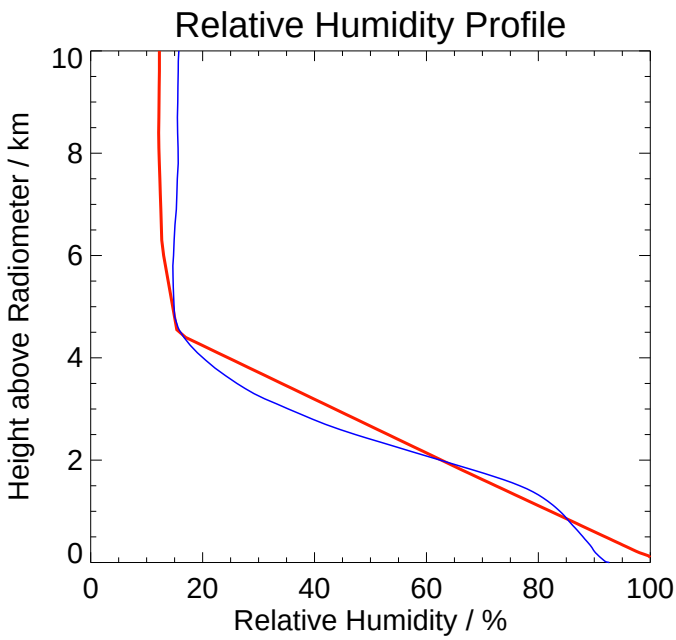

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
96
98
100

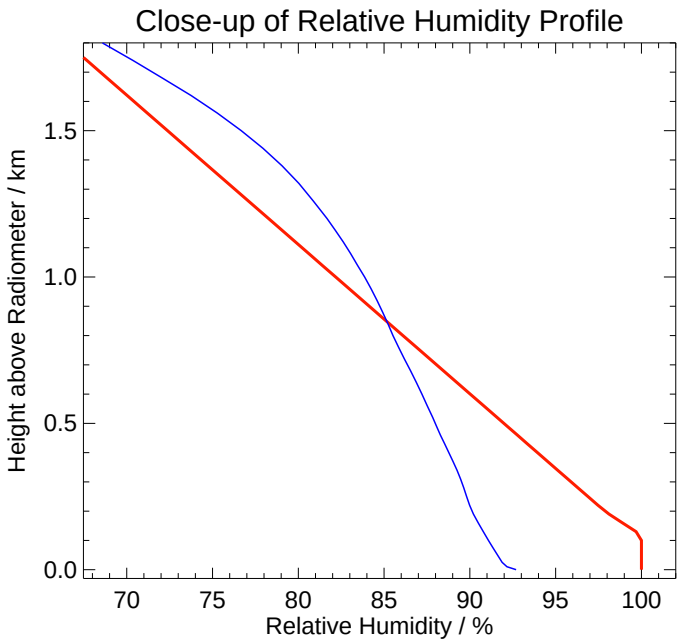

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

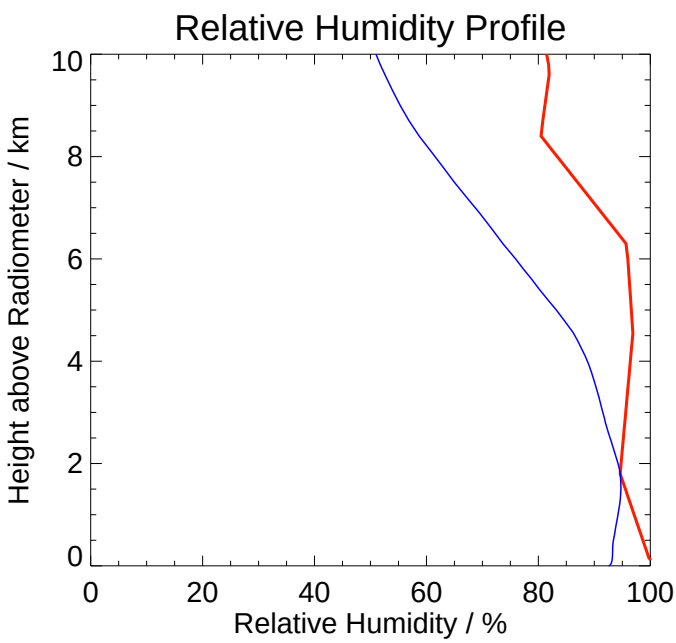

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
62
64
66
68
70
72

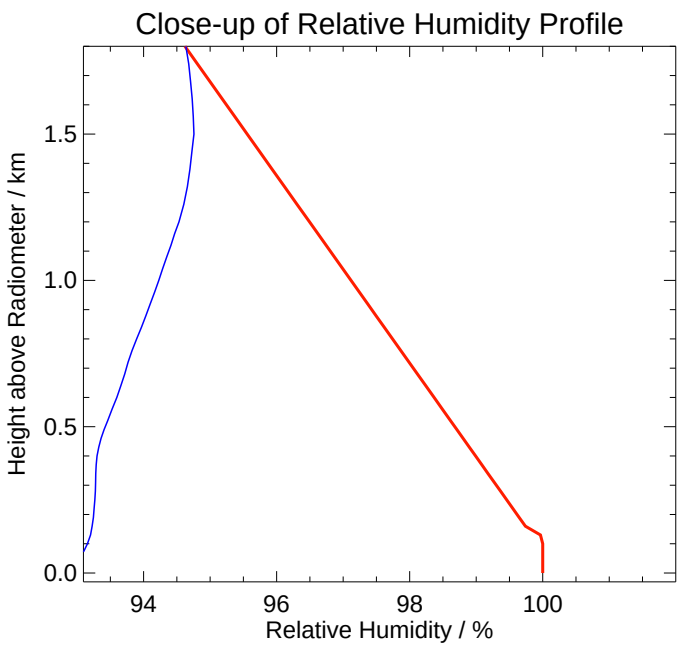

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

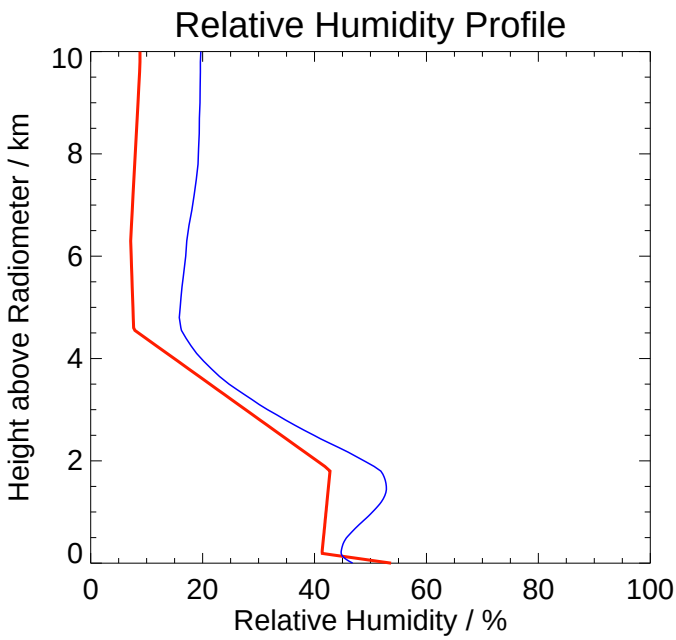

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

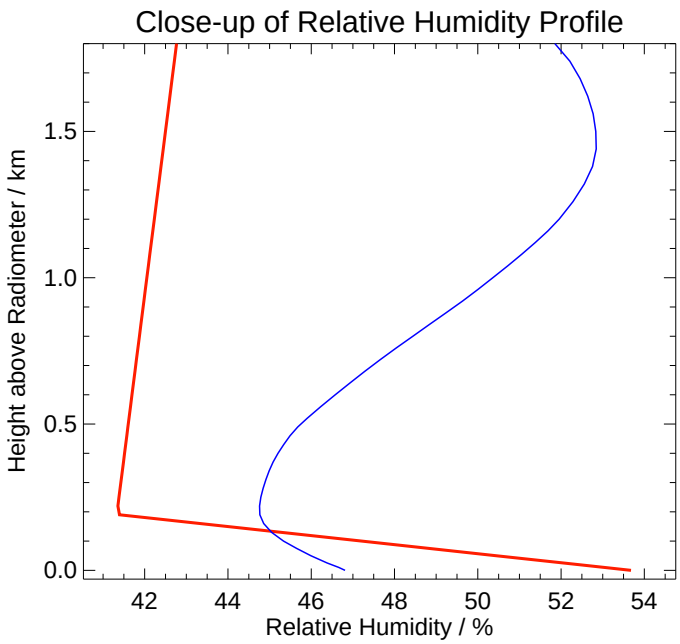

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

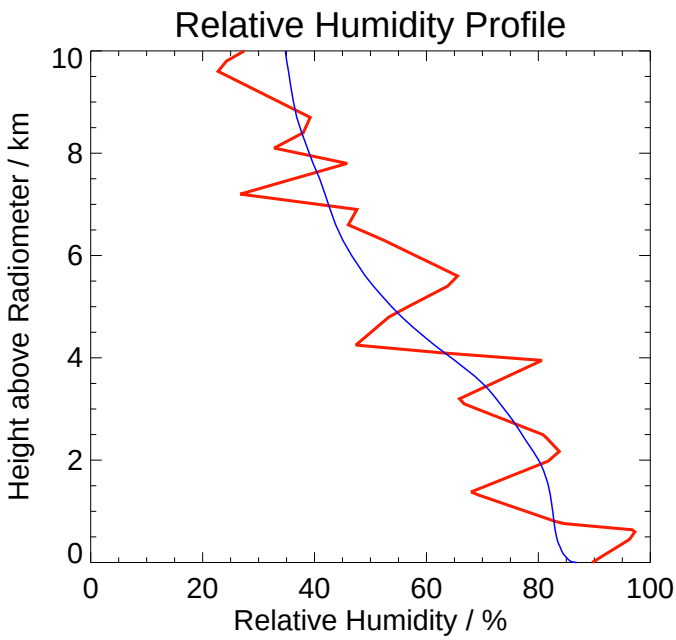

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95
100

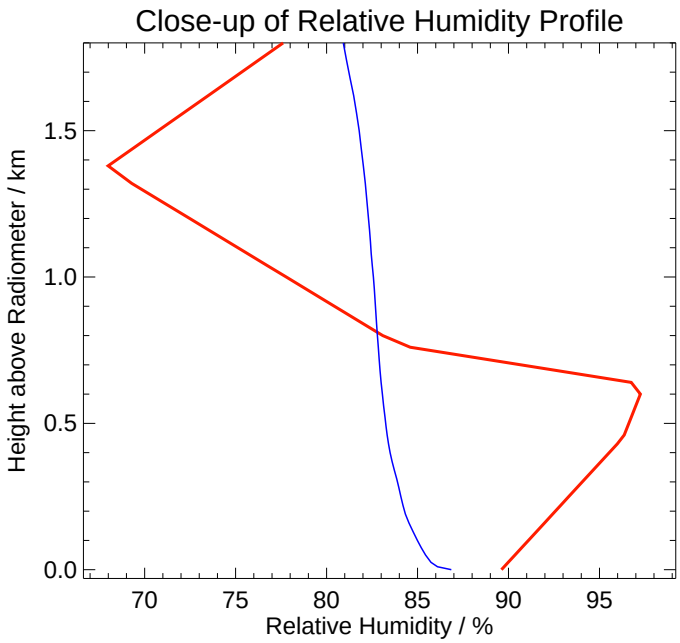

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

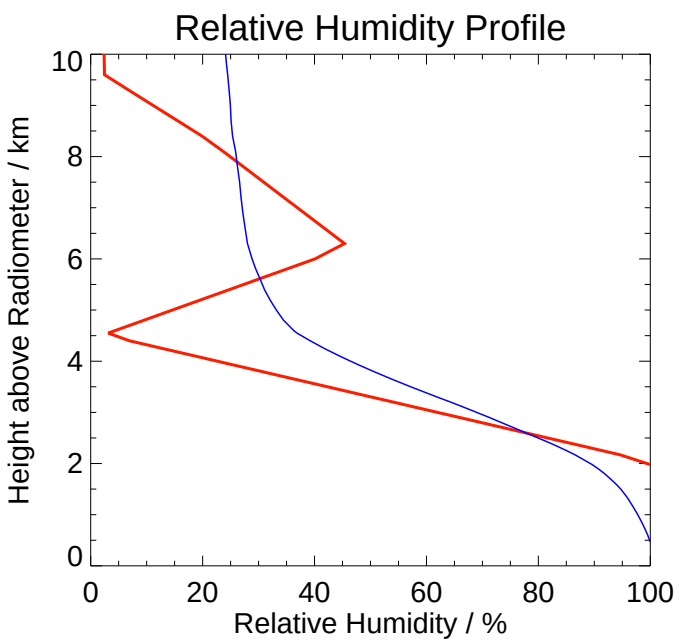

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

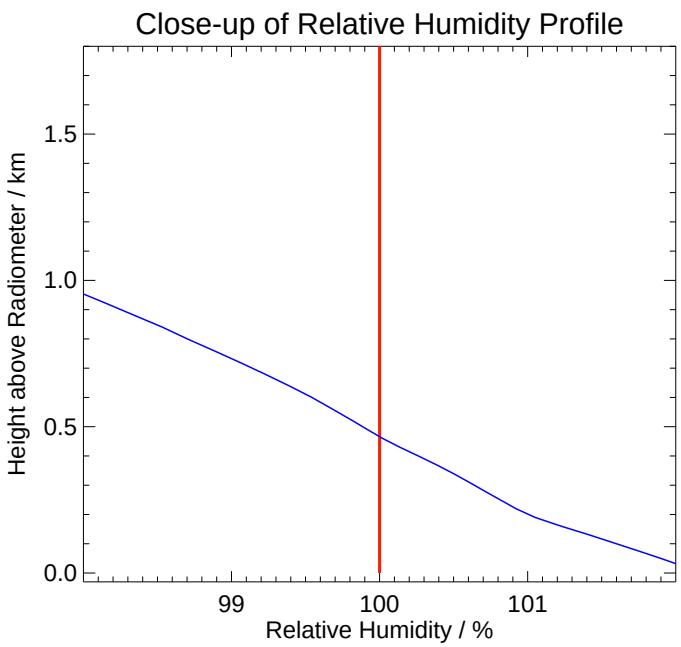

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

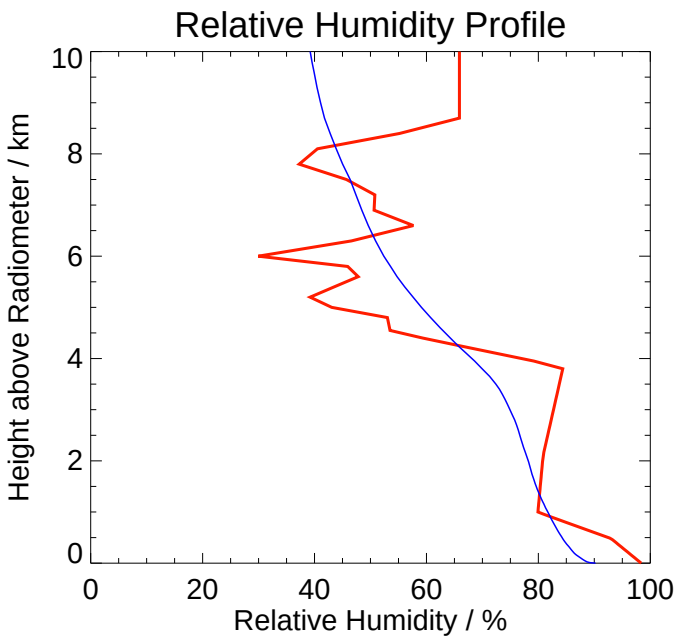

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
42
44
46
48
50
52
54

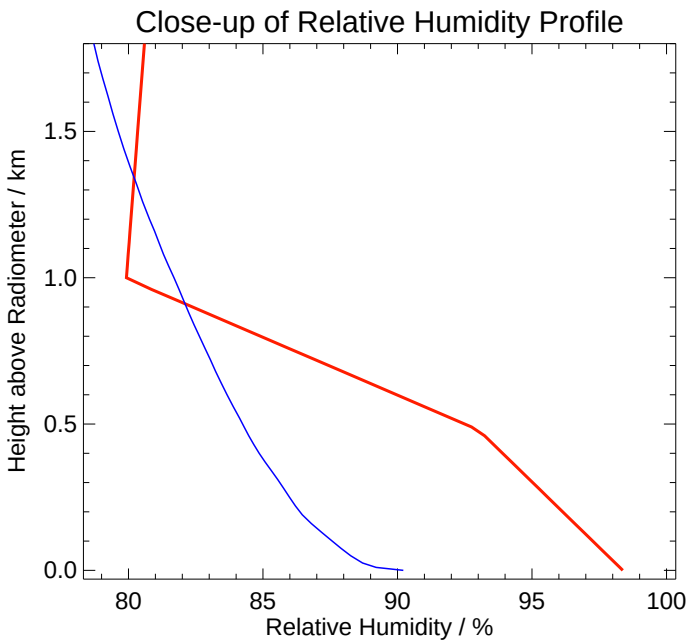

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

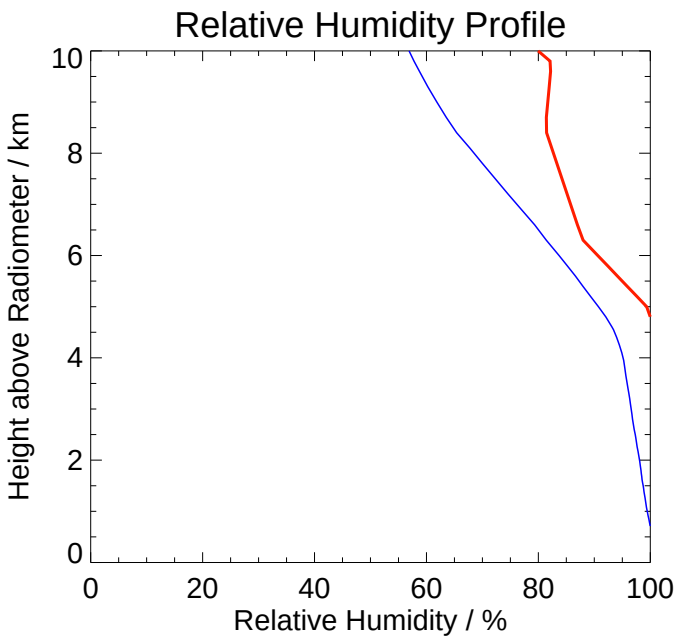

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
75
80
85
90
95

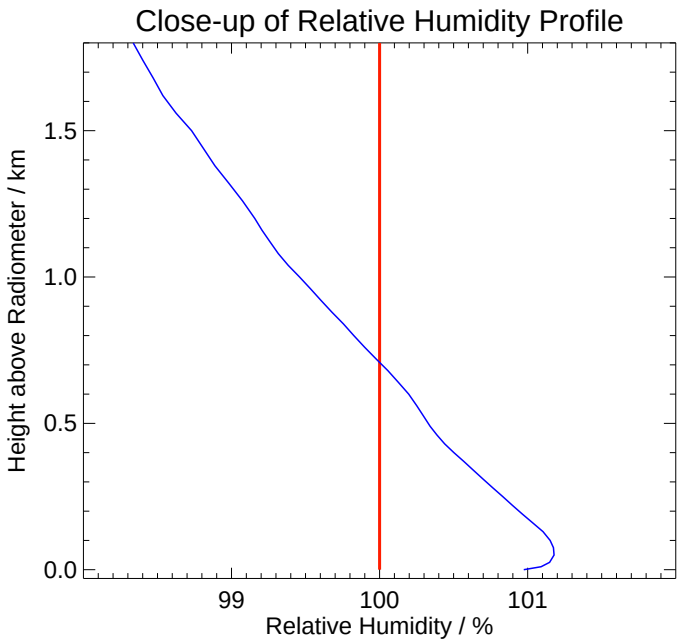

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

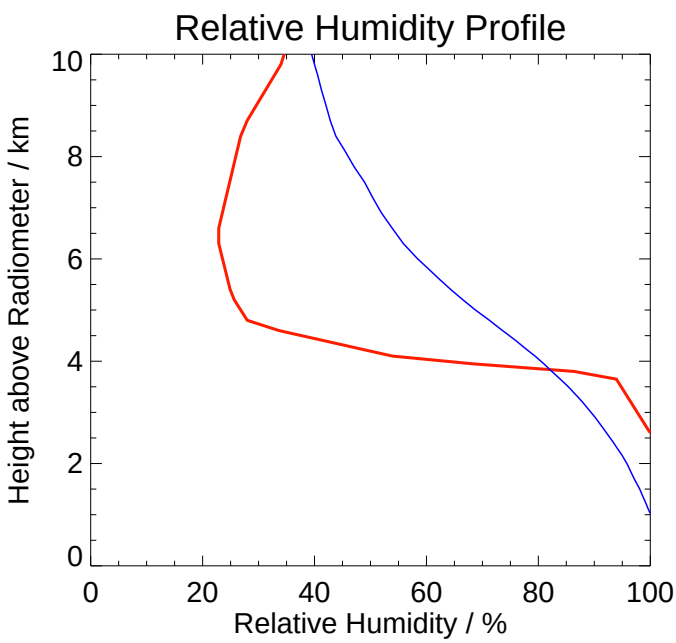

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

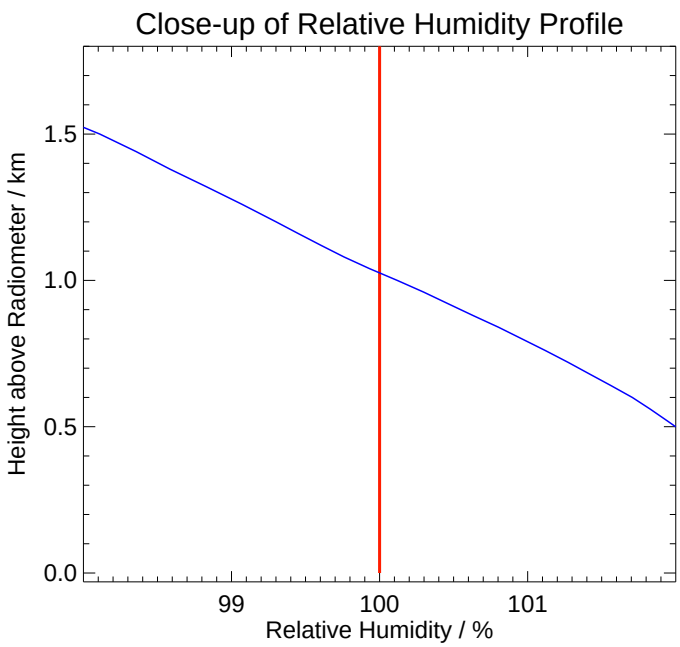

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

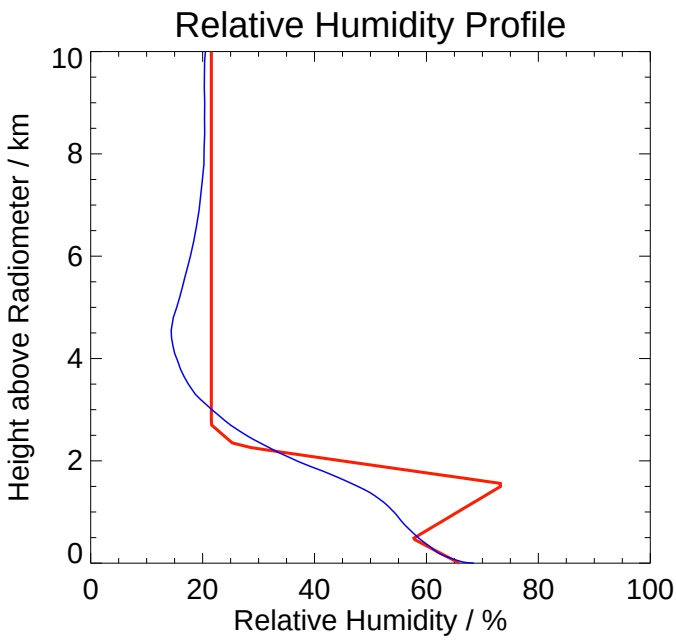

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

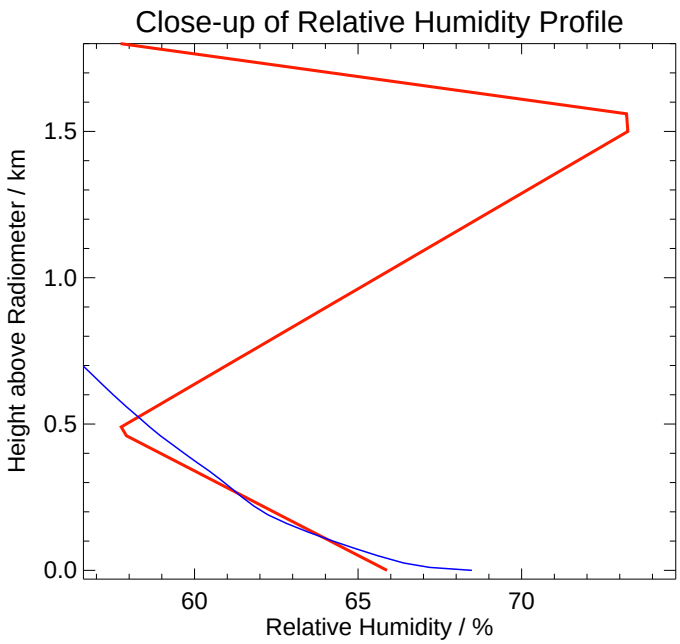

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

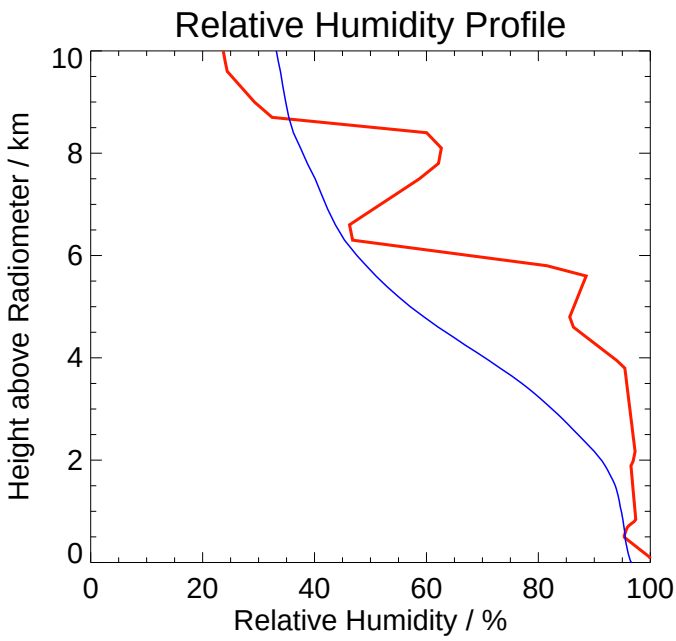

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

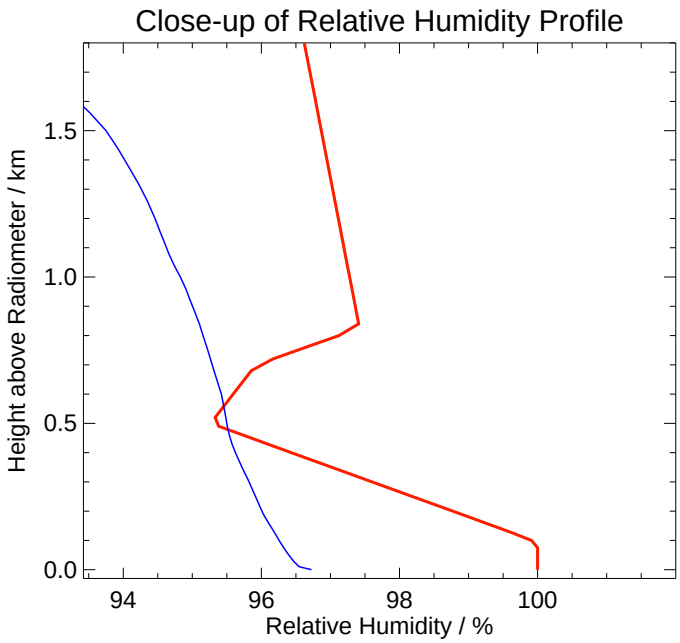

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

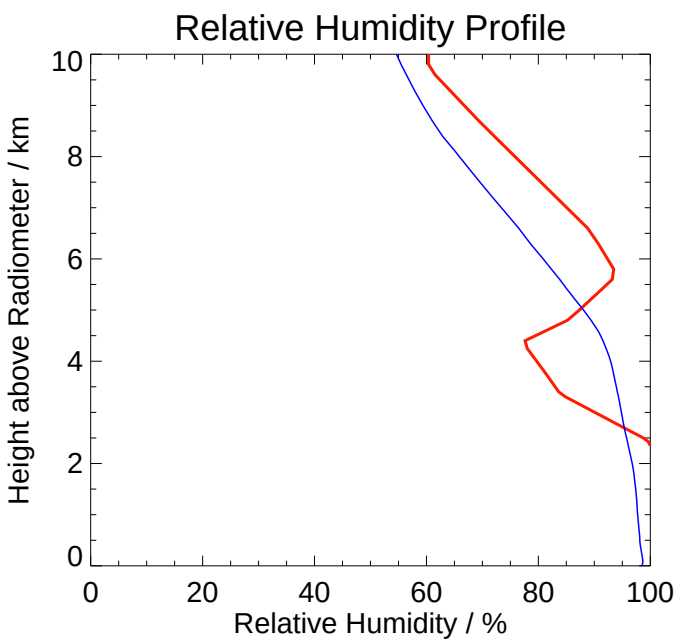

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

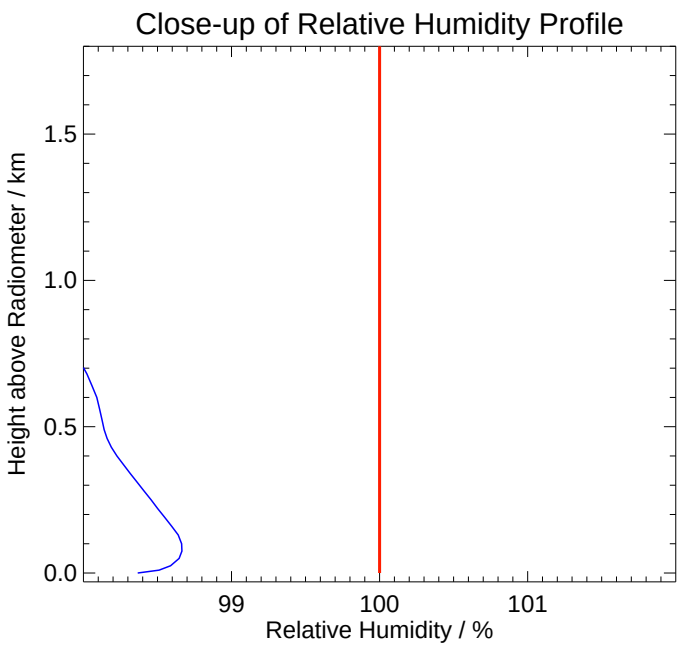

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

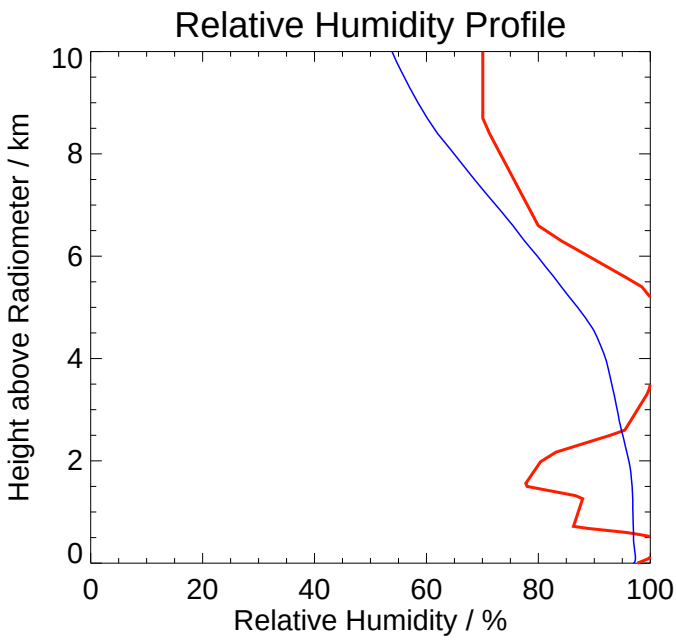

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70

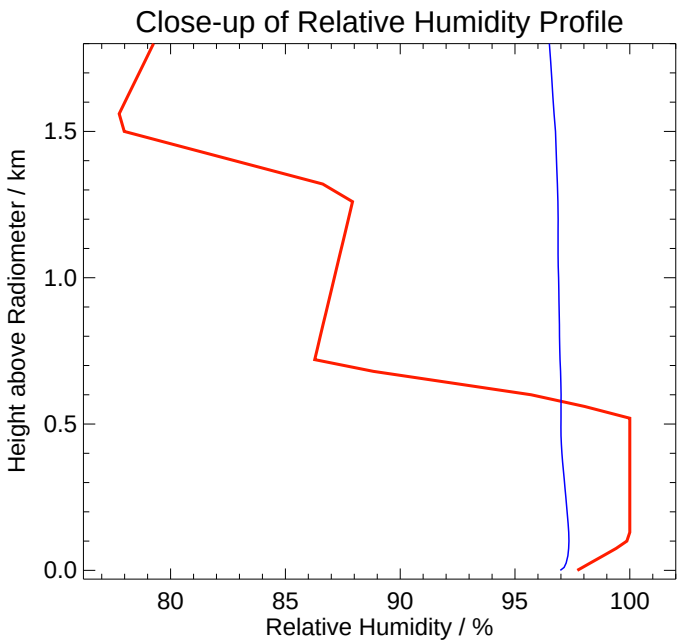

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

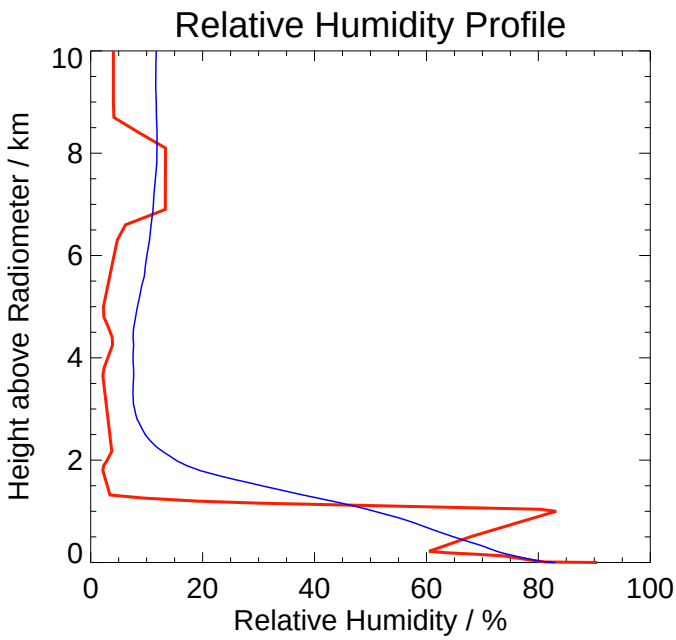

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
94
96
98
100

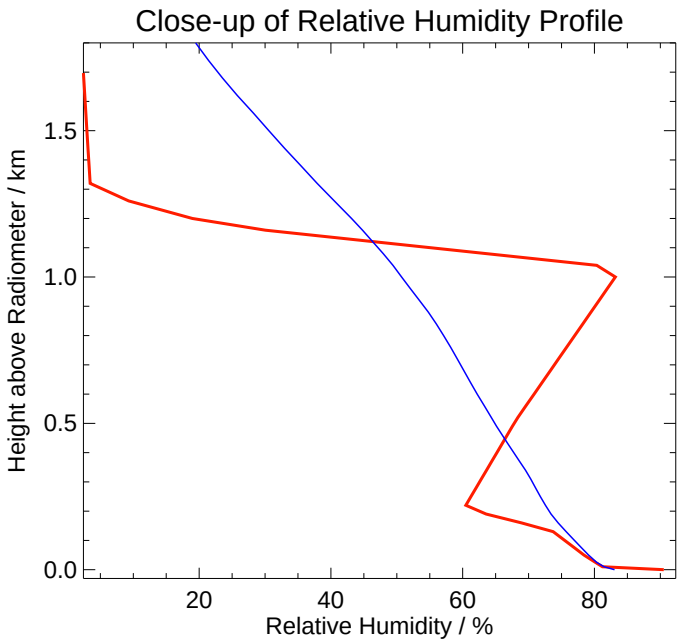

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

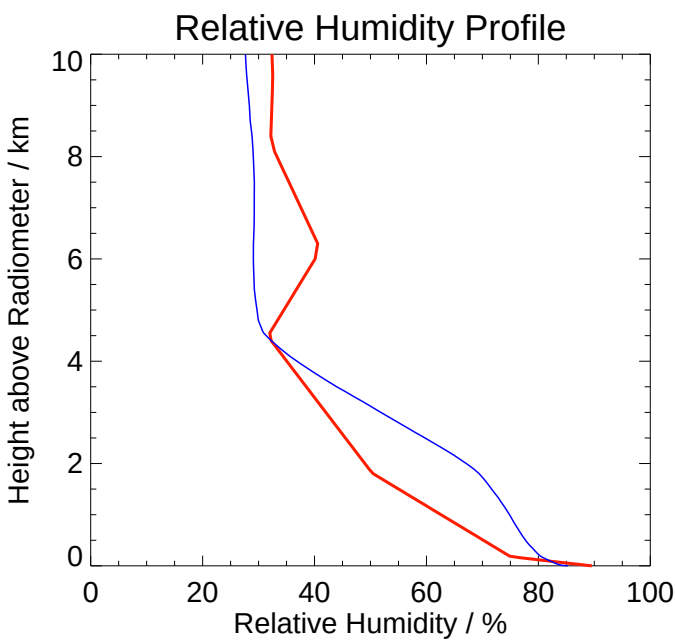

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

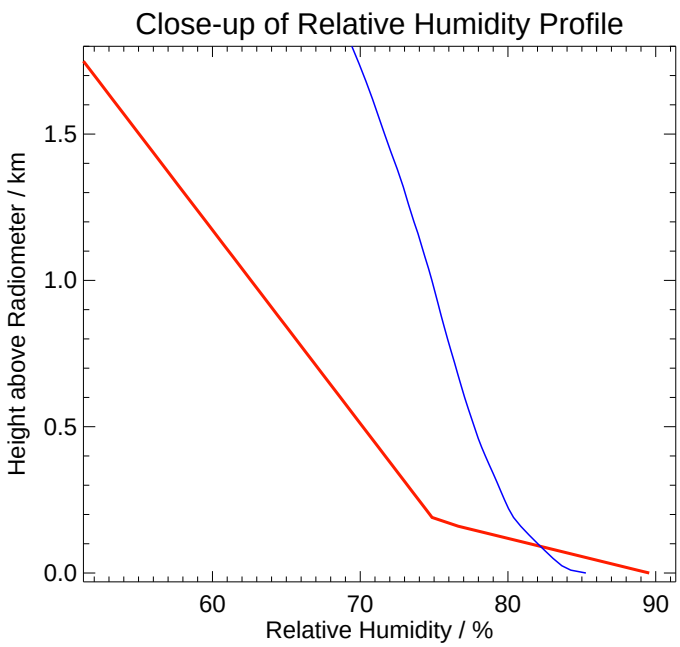

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

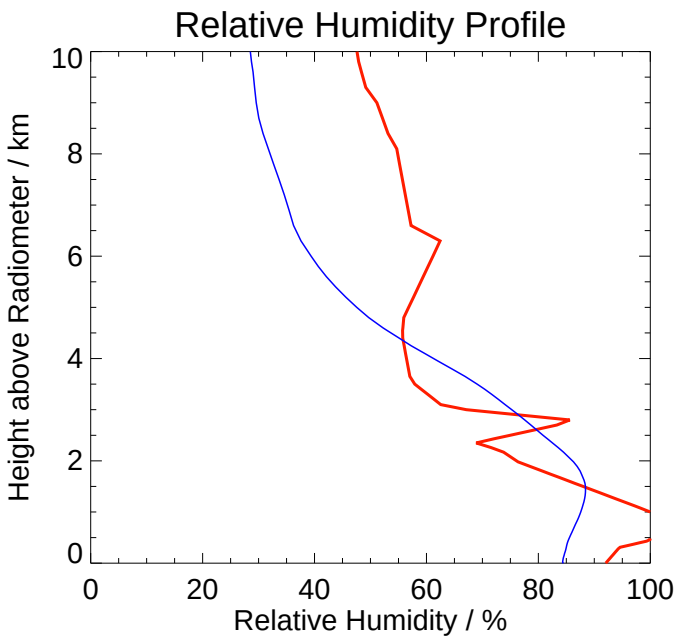

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

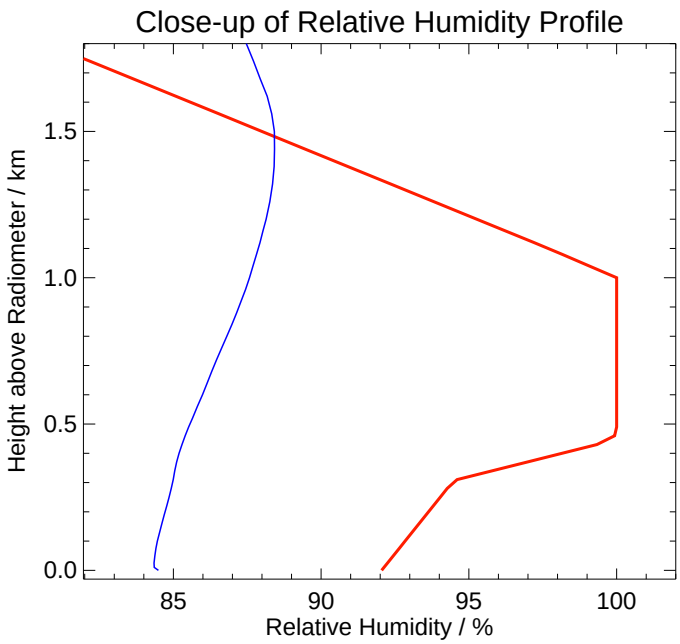

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

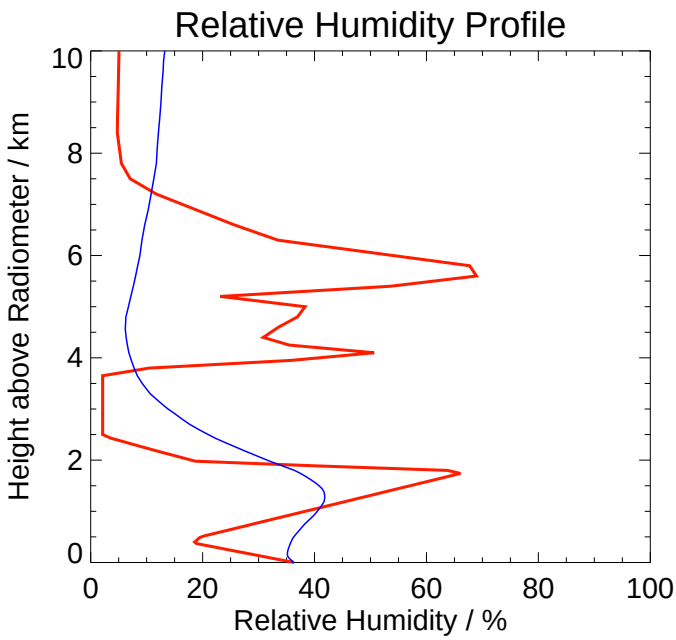

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
40
60
80

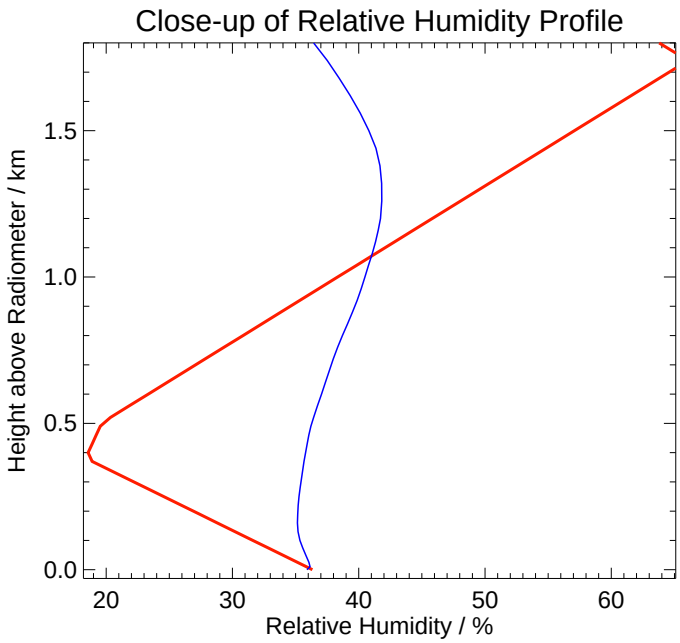

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

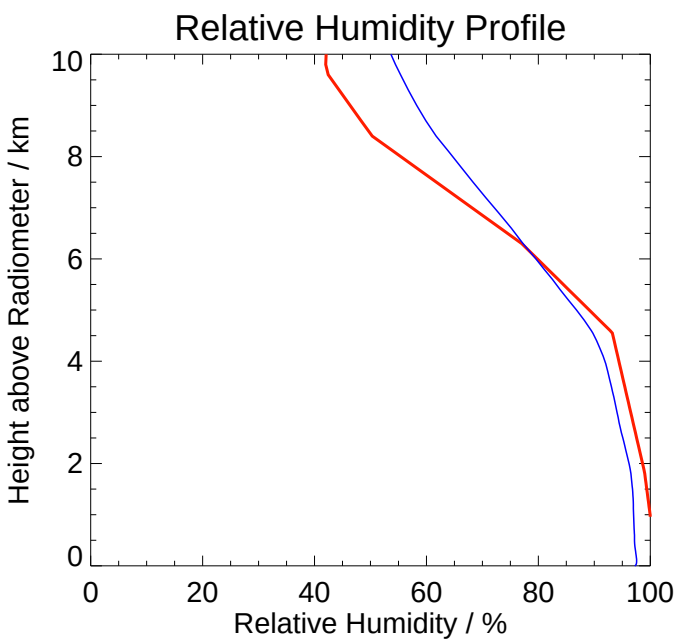

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80
90

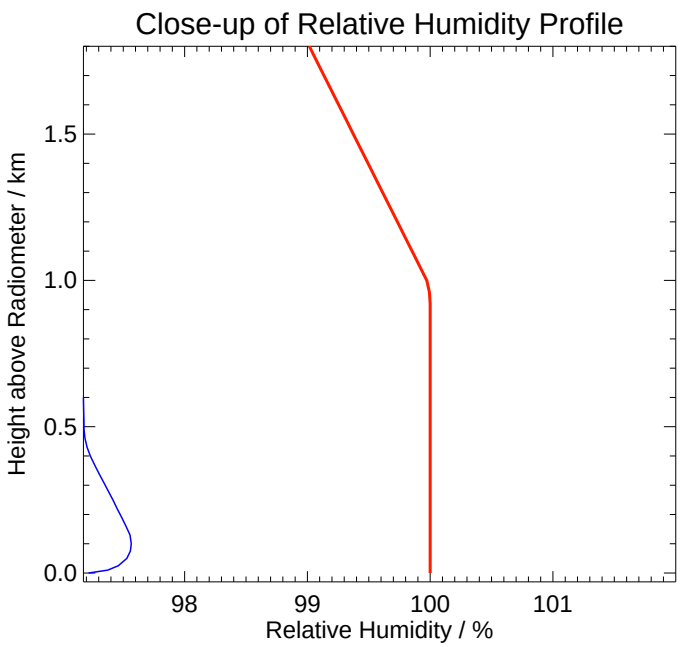

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

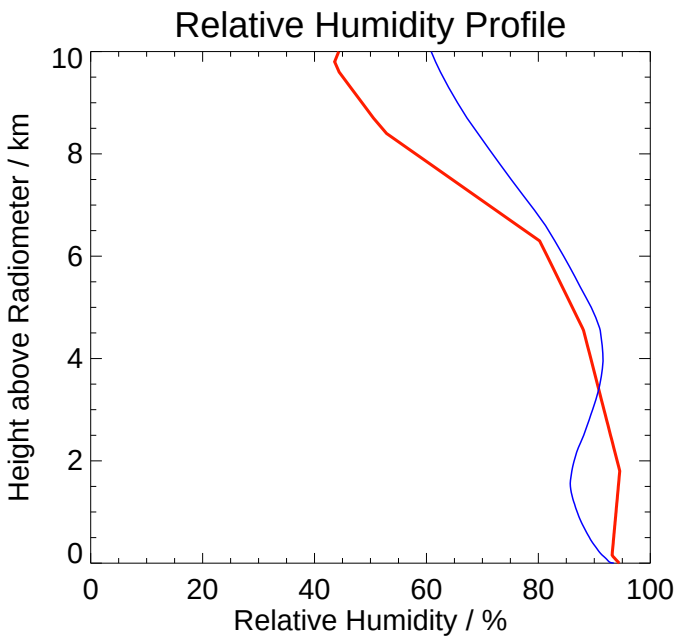

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
85
90
95
100

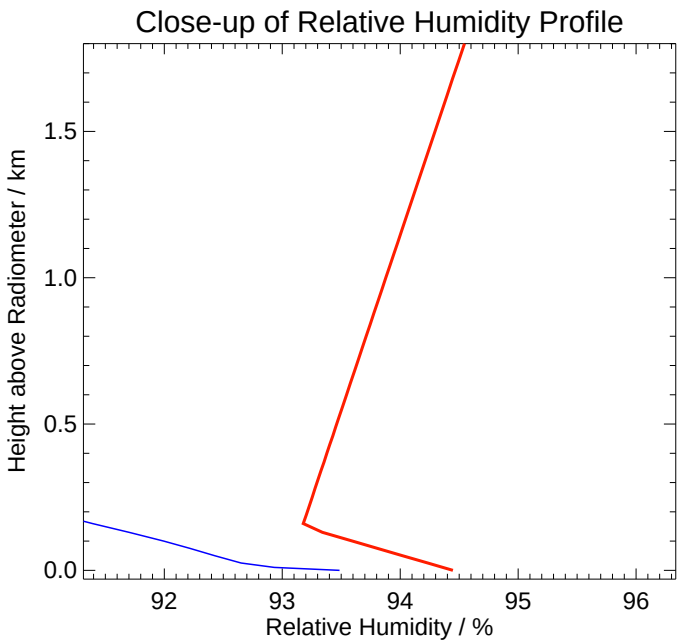

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

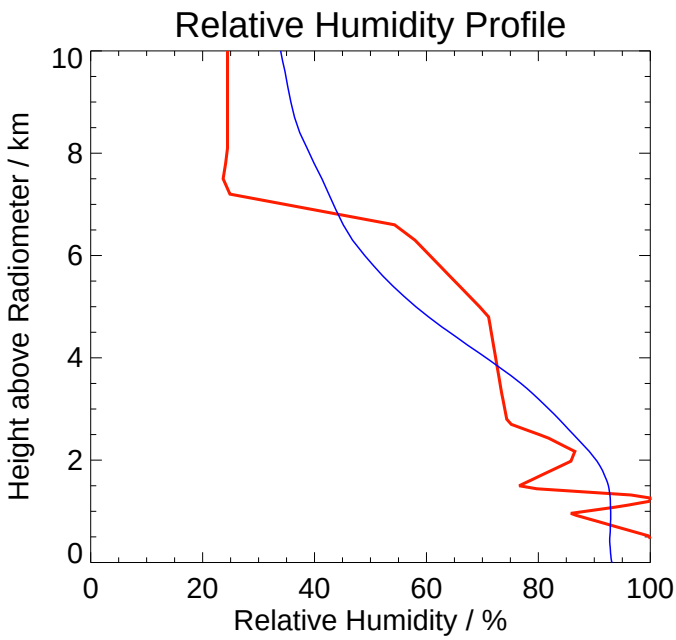

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60

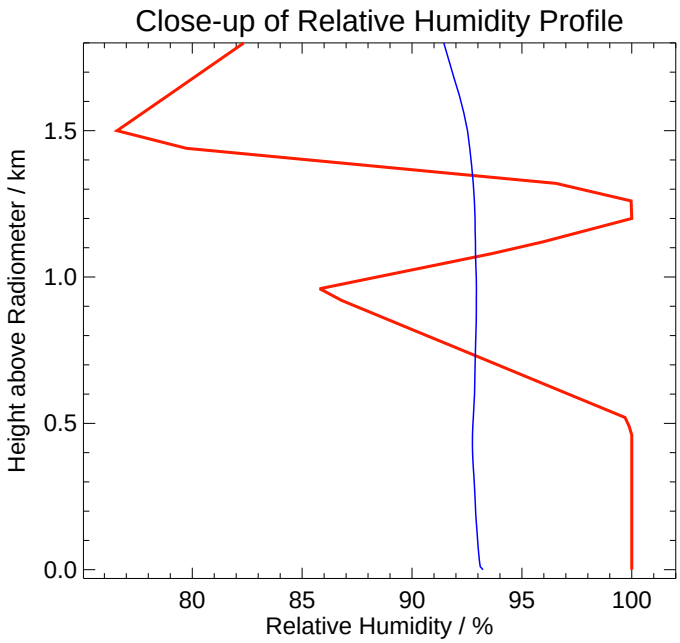

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

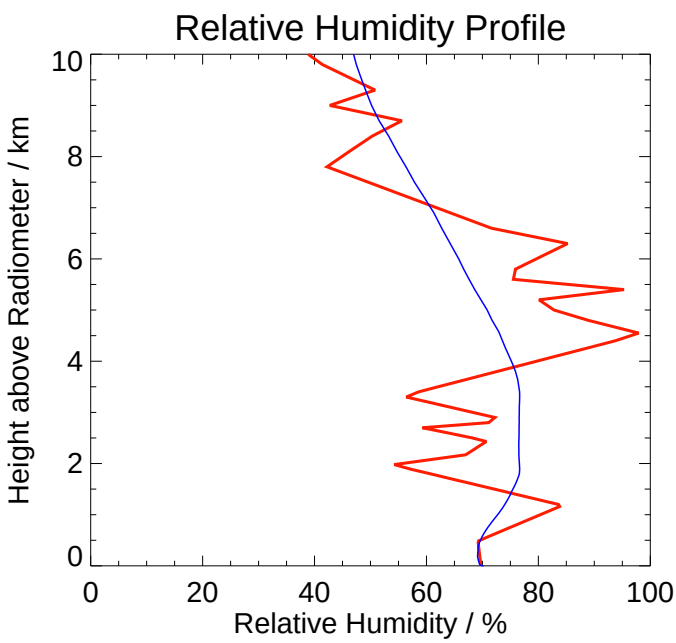

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
98
99
100
101

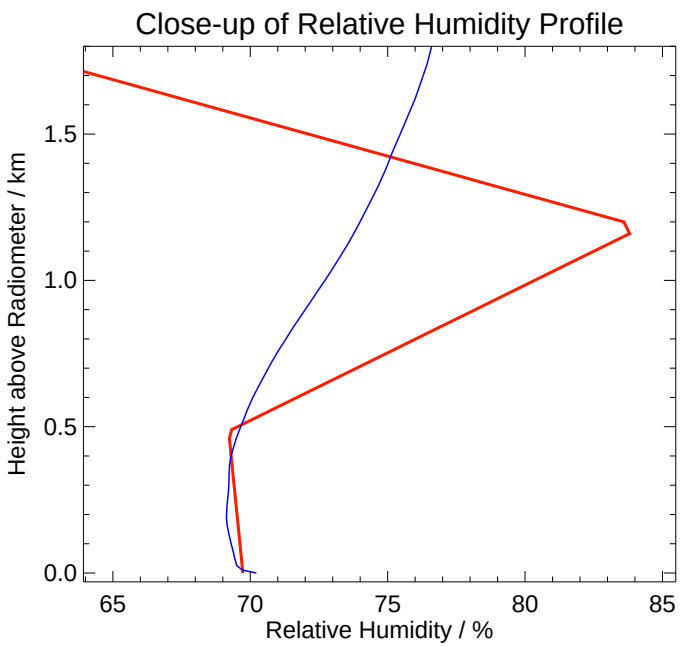

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

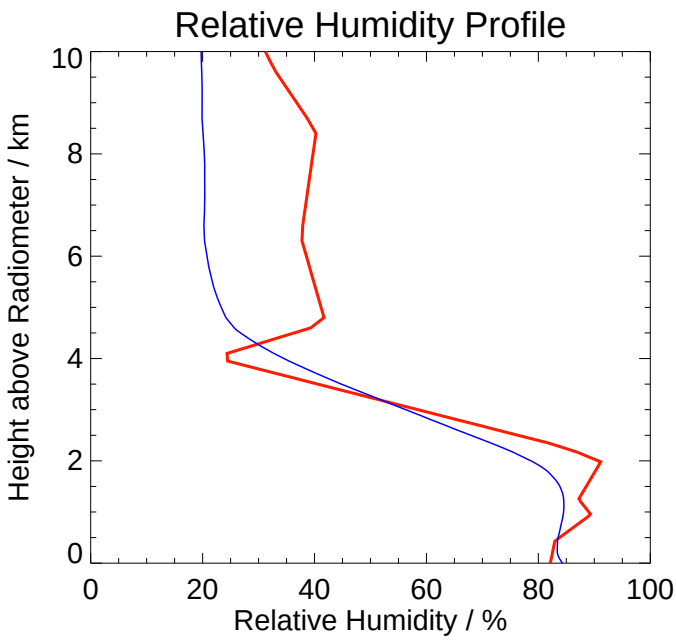

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
93
94
95
96

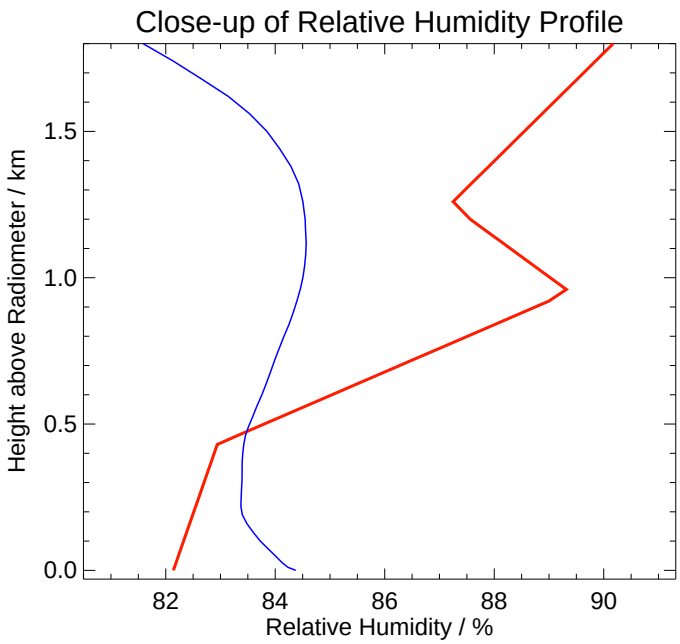

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

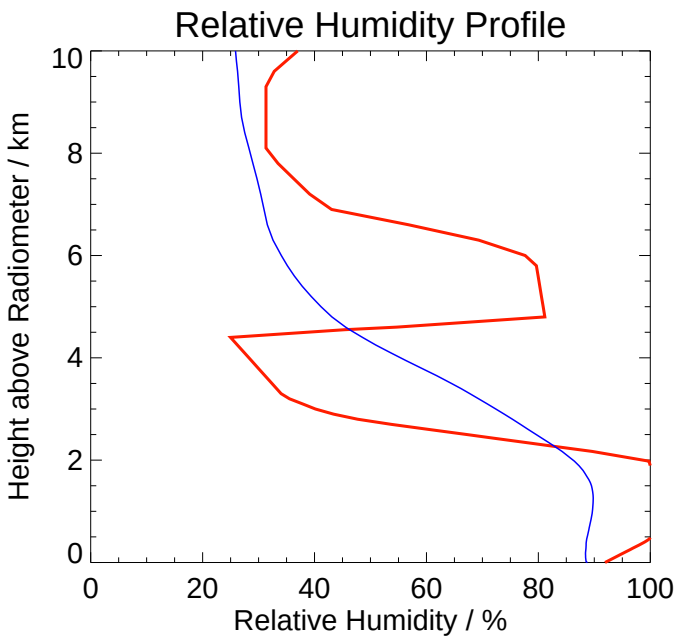

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
80
85
90
95
100

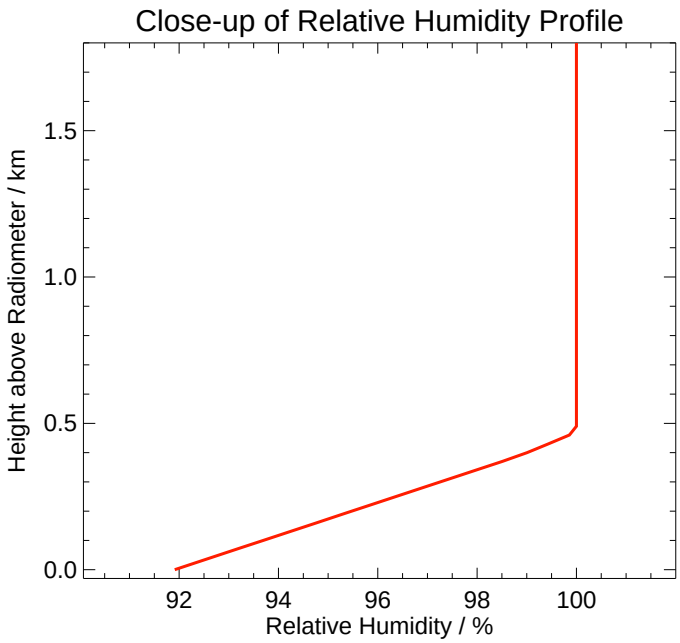

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

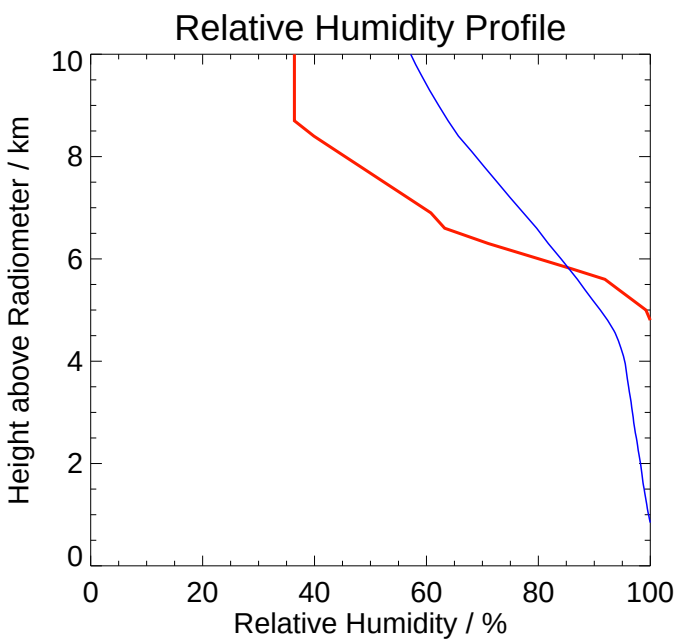

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85

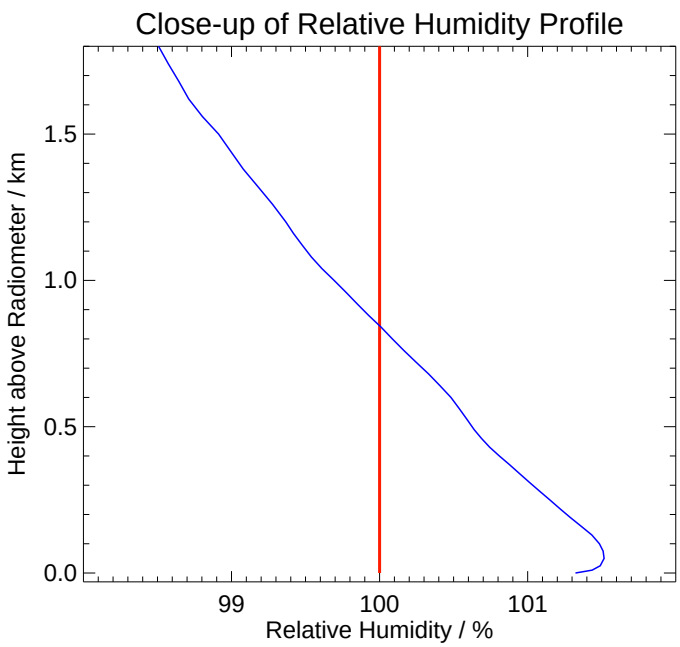

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

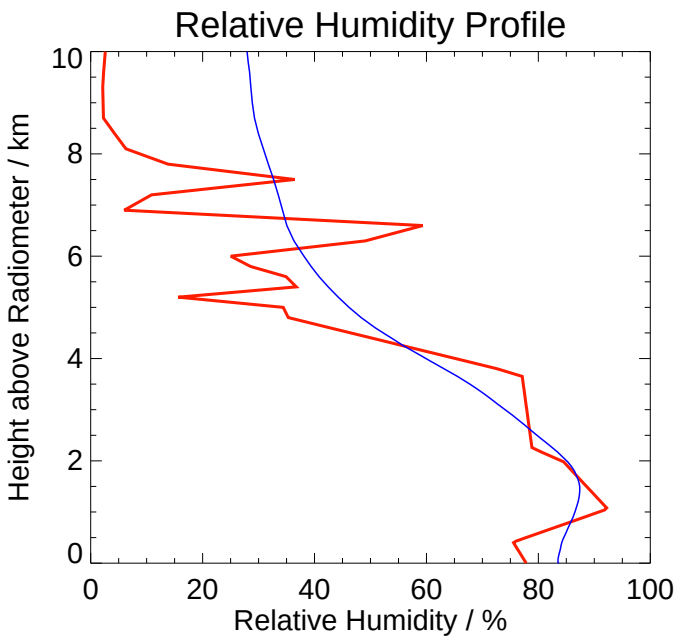

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
82
84
86
88
90

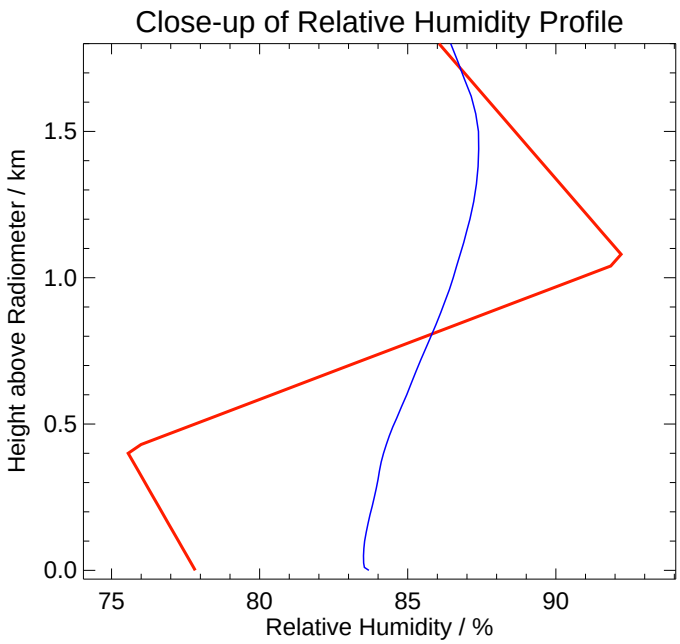

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

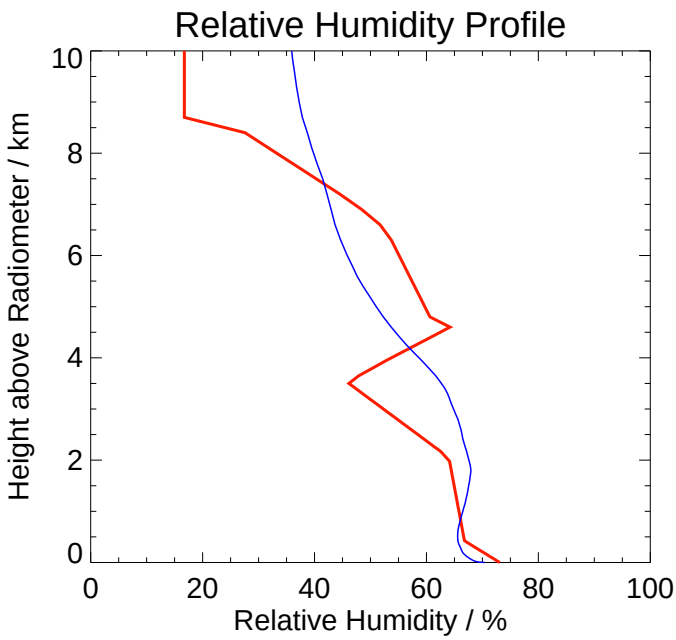

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
94
96
98
100

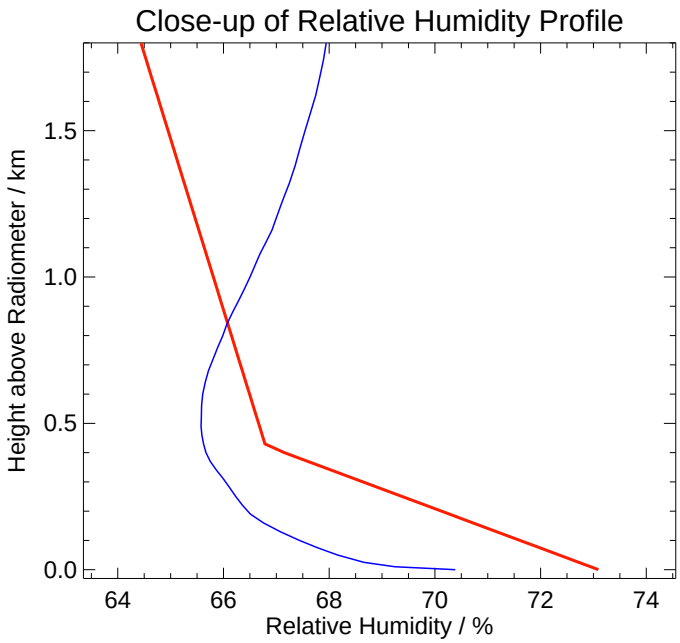

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

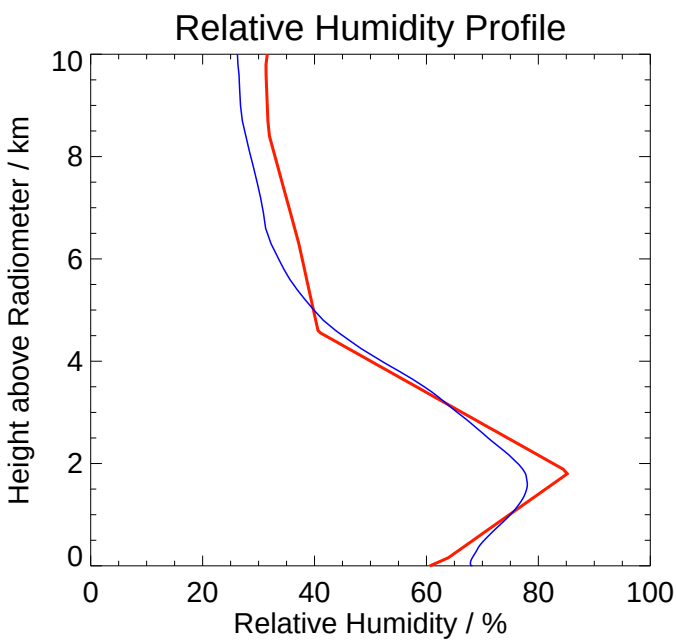

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
99
100
101

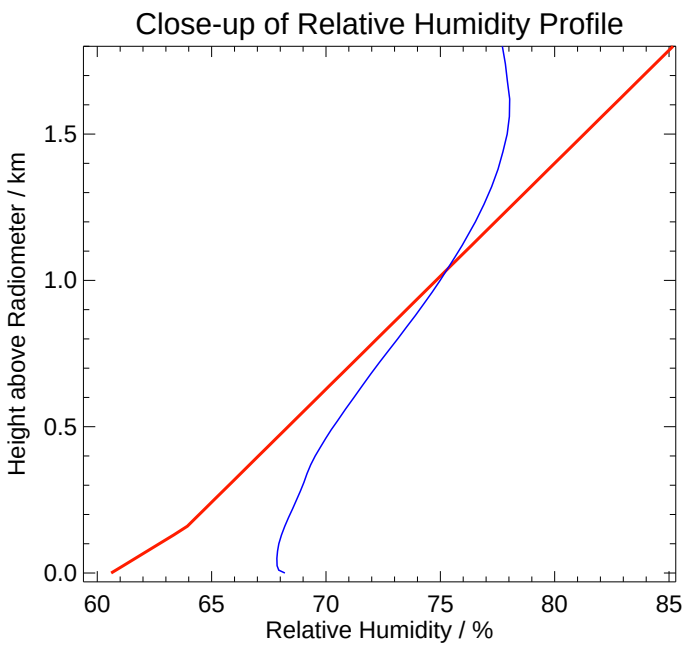

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

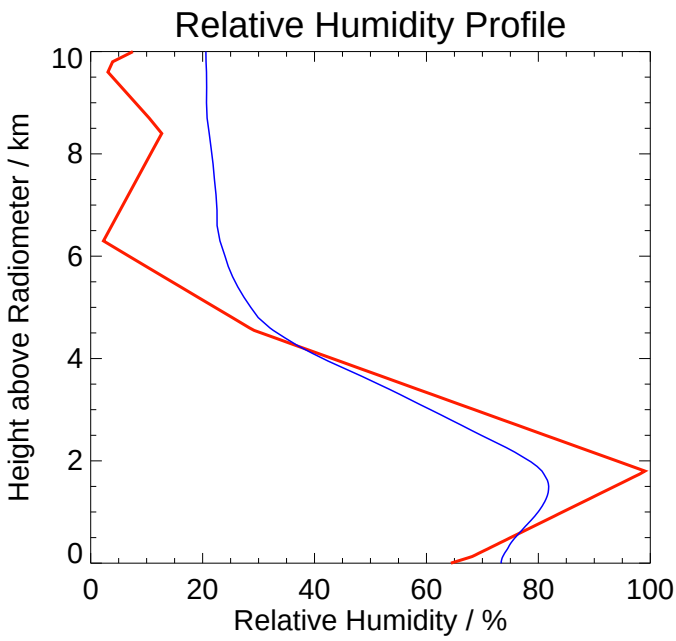

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

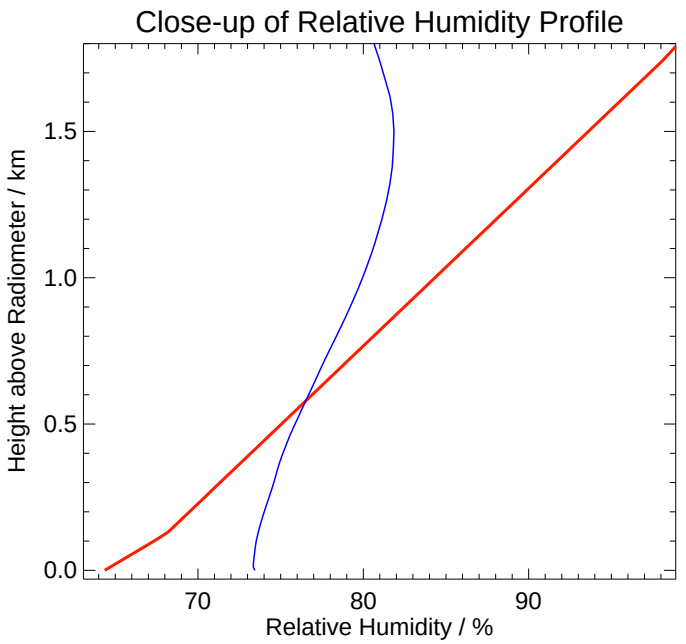

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

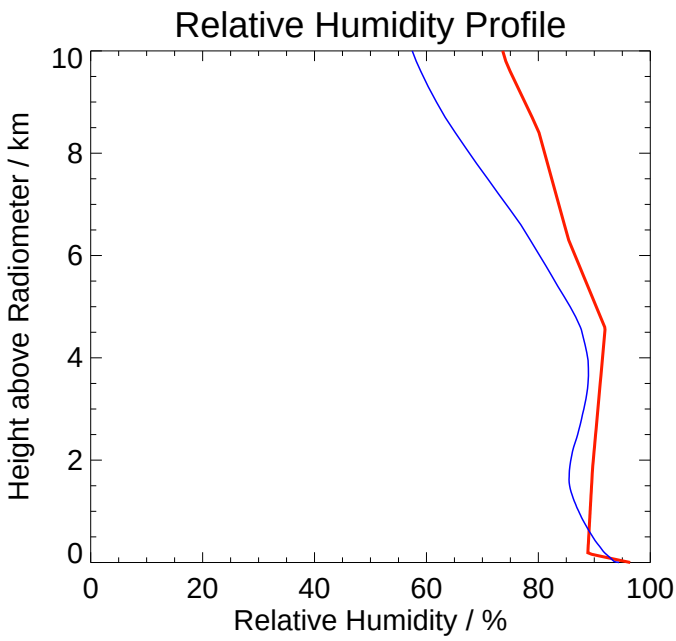

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
64
66
68
70
72
74

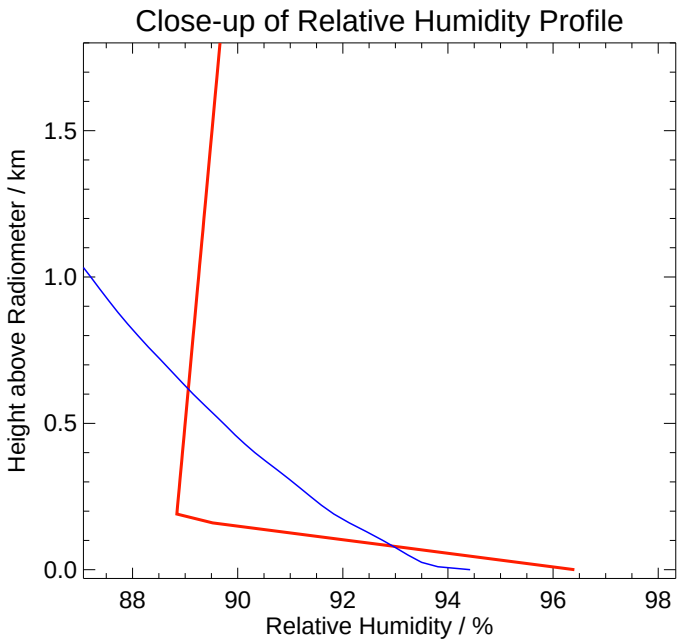

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

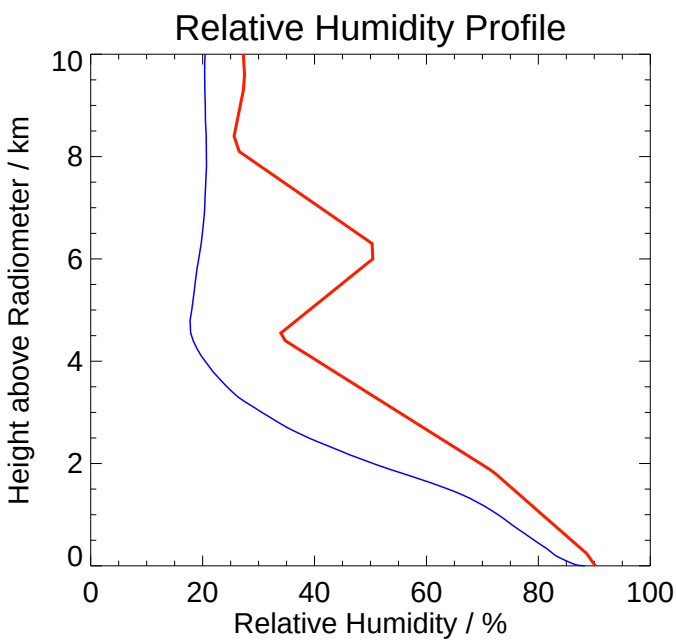

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
65
70
75
80
85

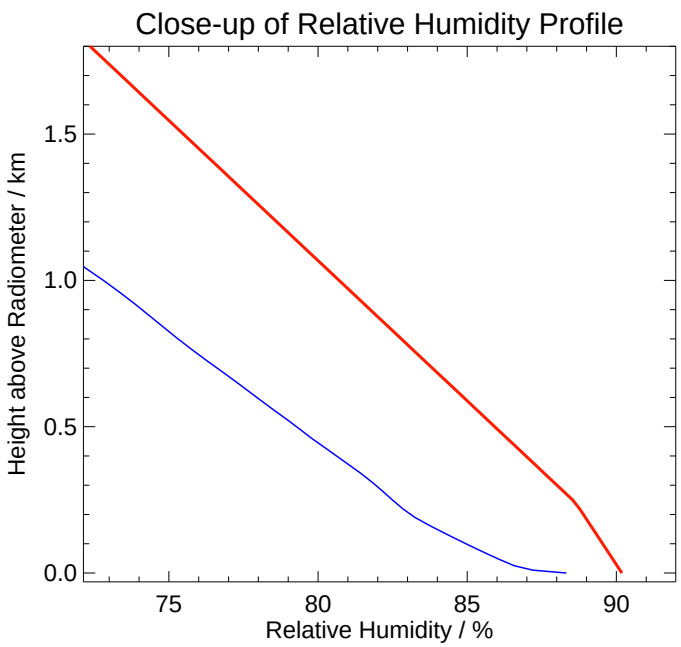

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

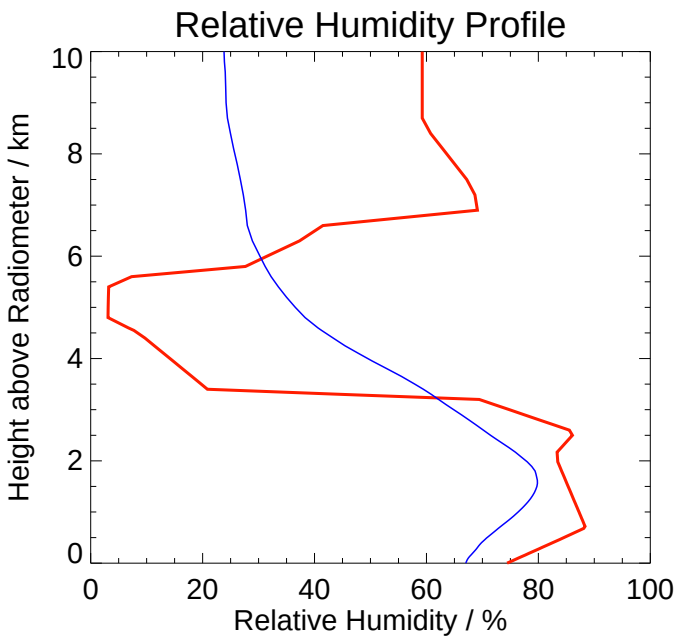

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
70
80
90

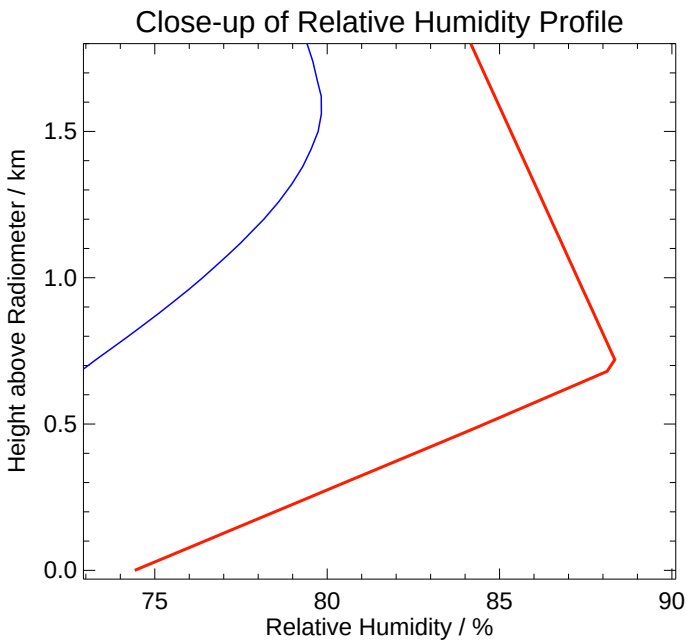

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

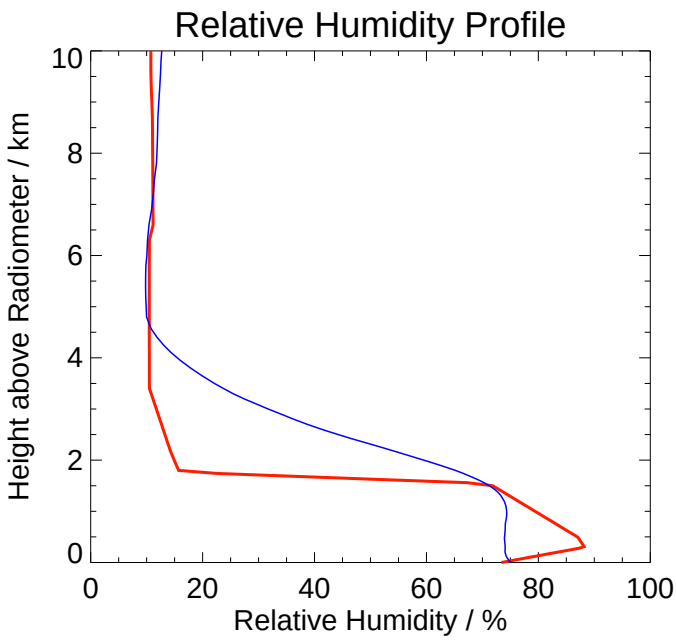

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
88
90
92
94
96
98

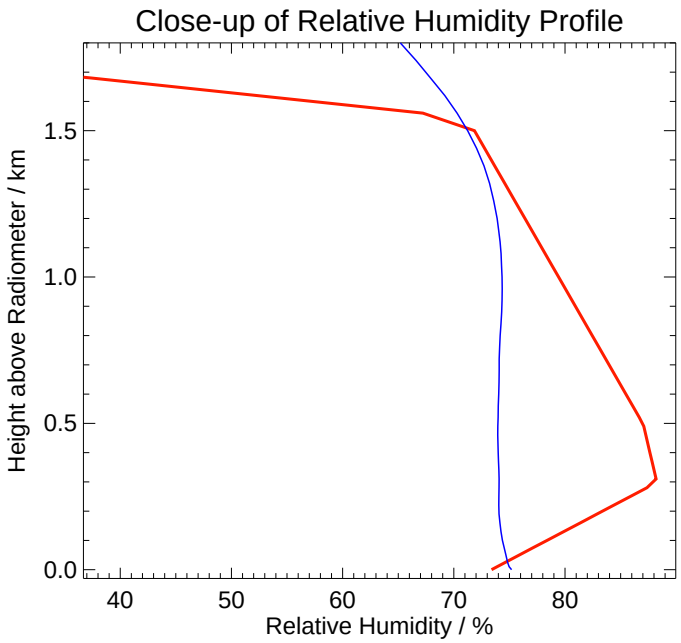

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

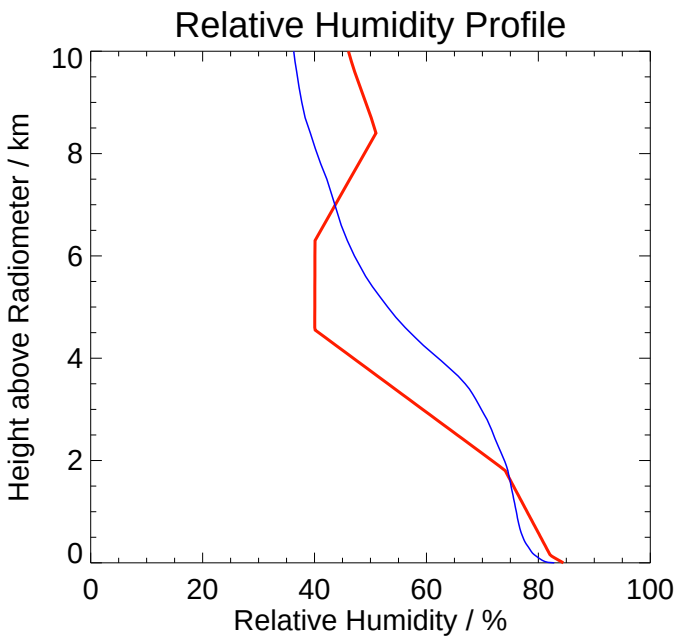

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

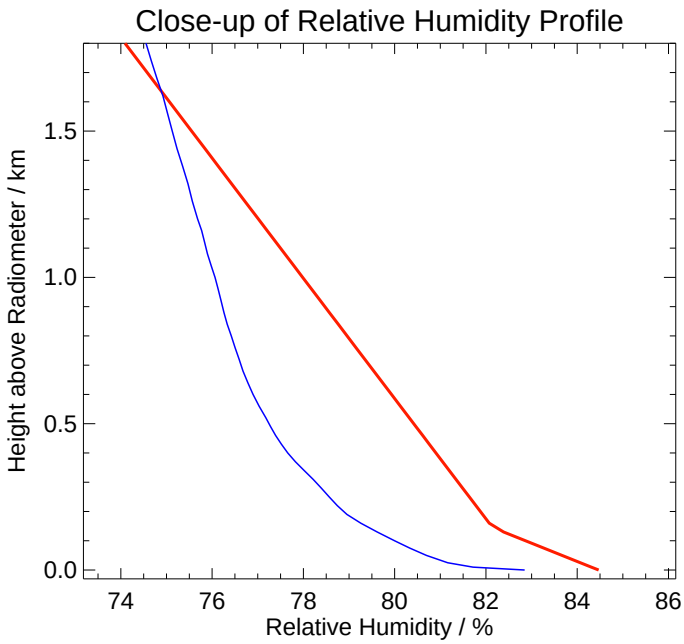

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

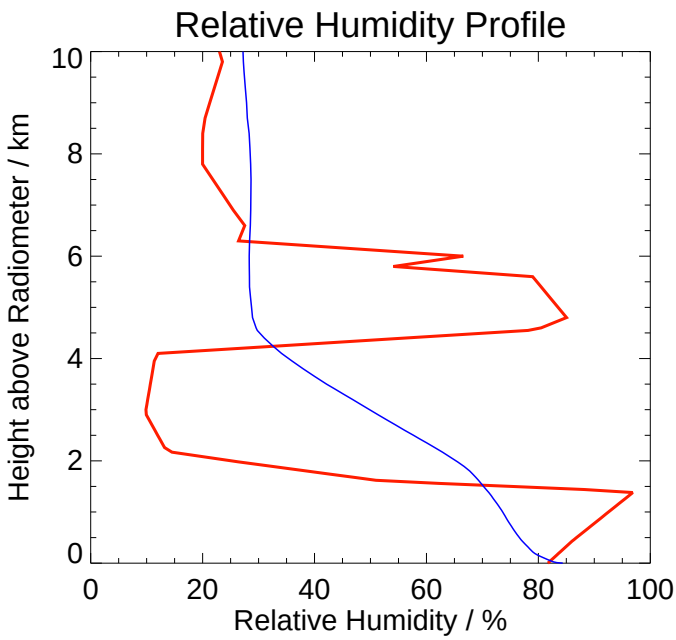

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90

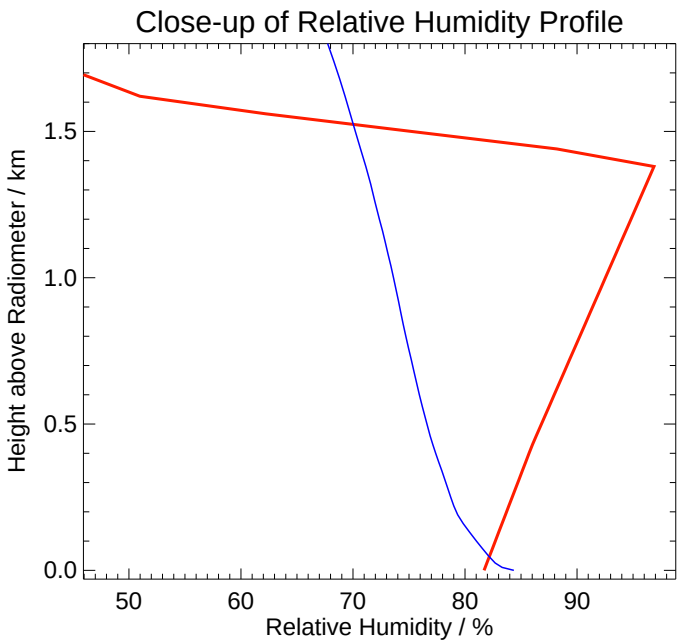

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

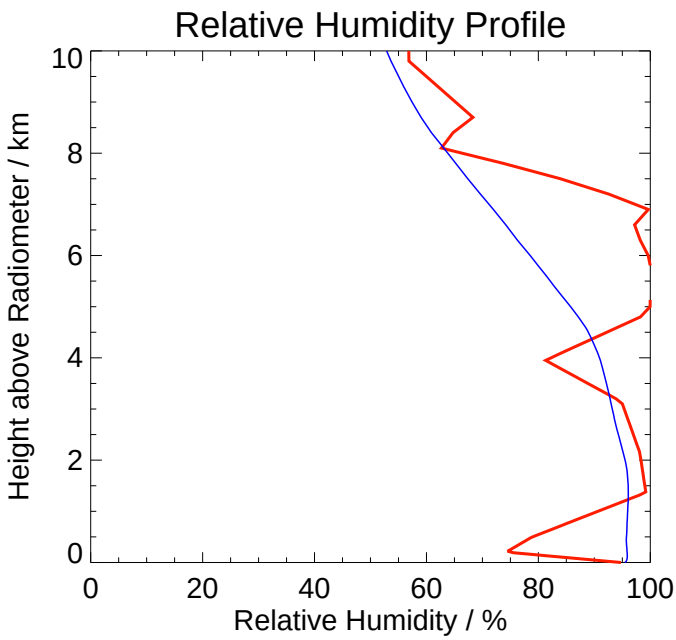

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
40
50
60
70
80

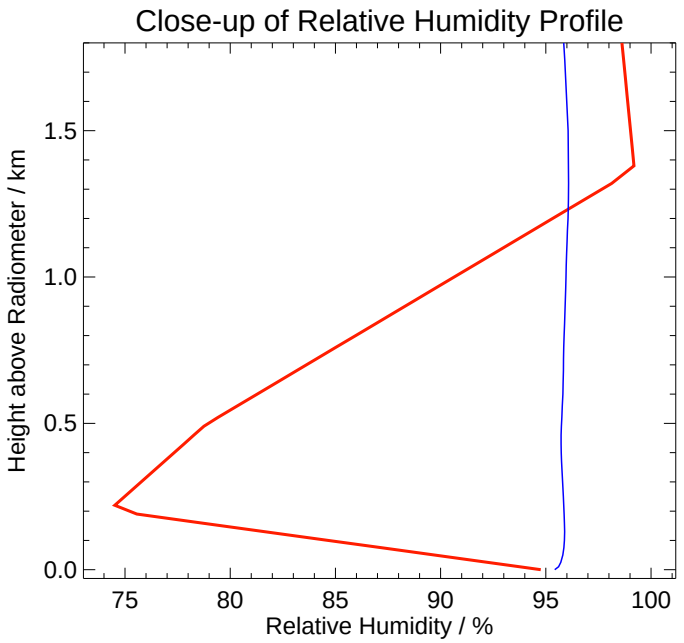

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

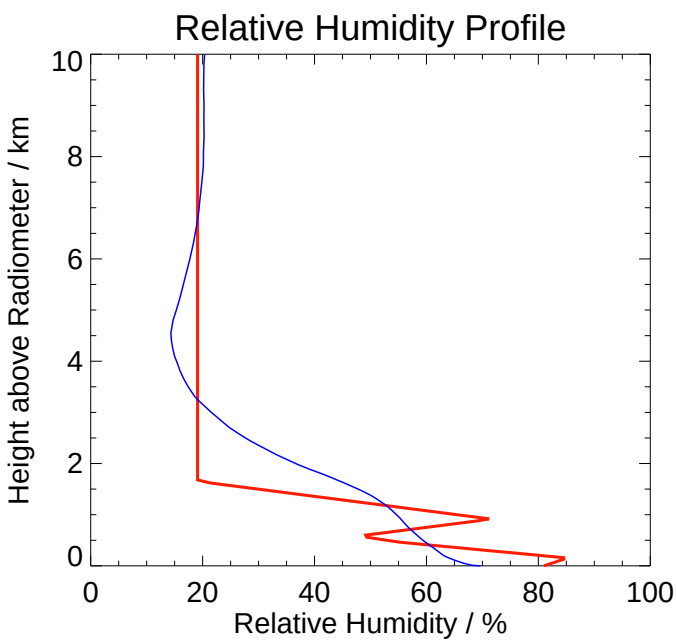

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
74
76
78
80
82
84
86

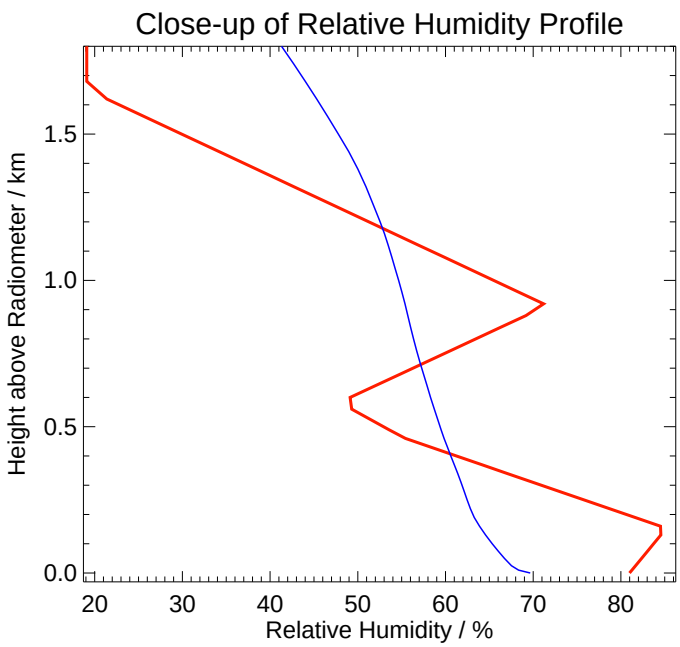

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

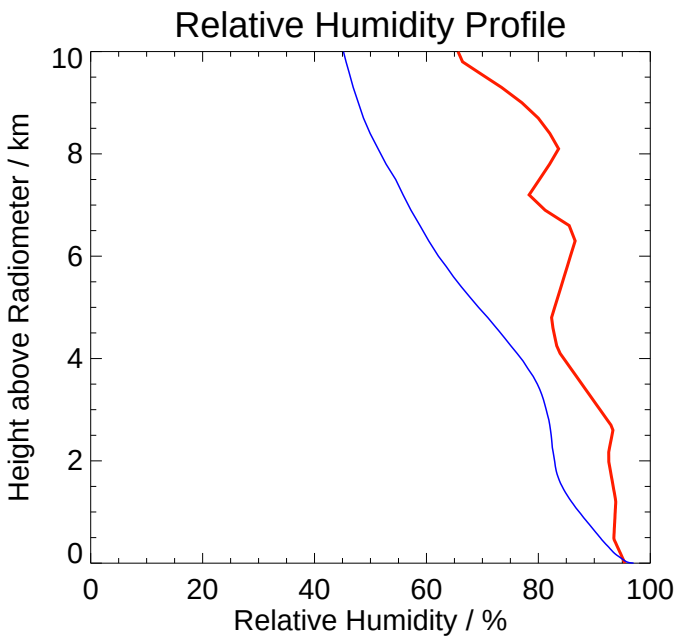

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90

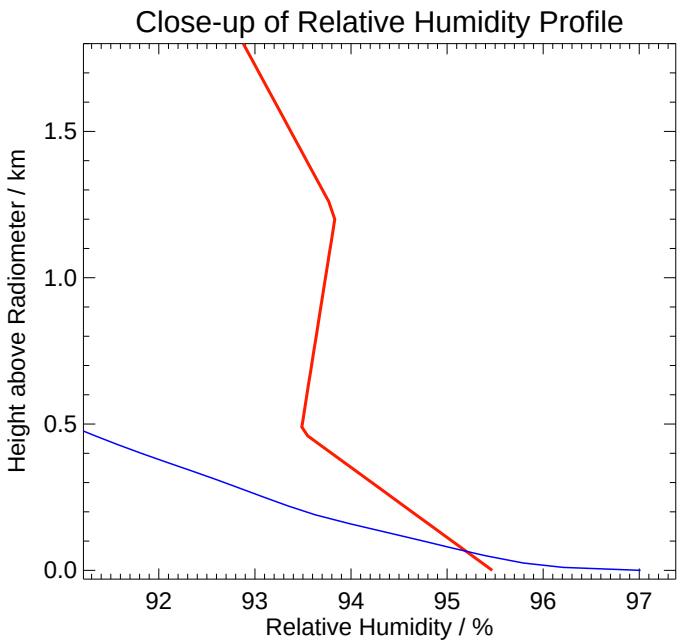

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

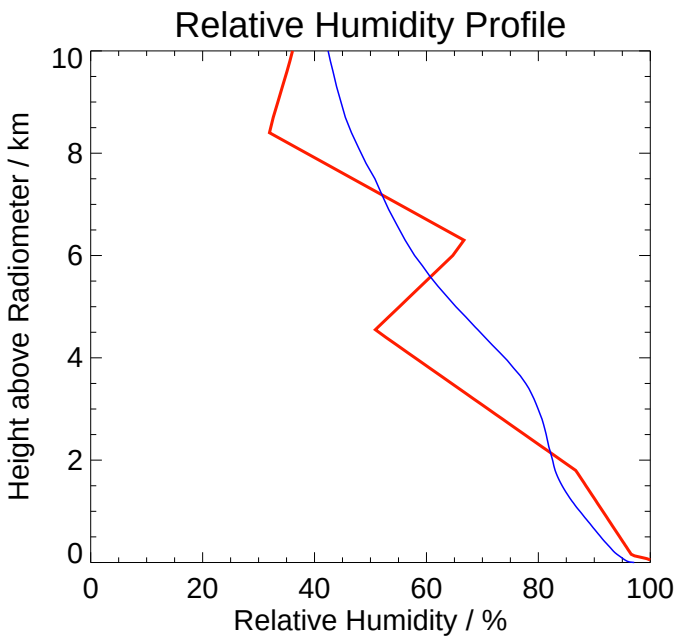

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95
100

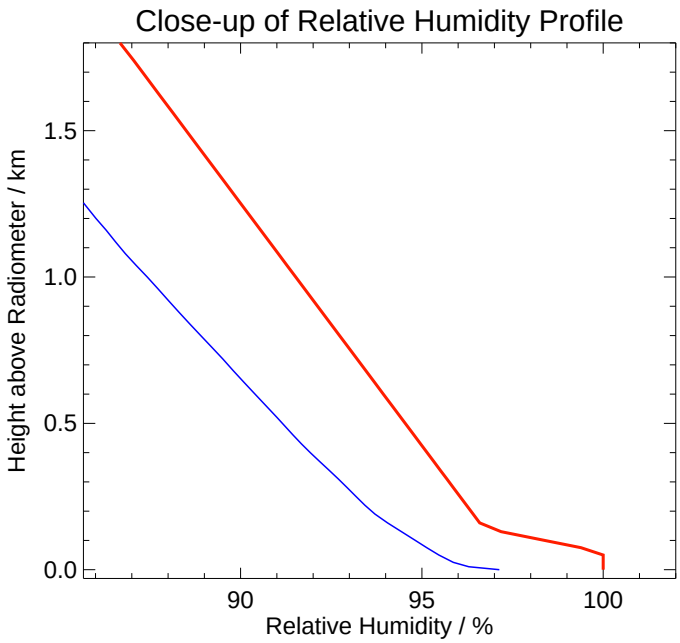

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

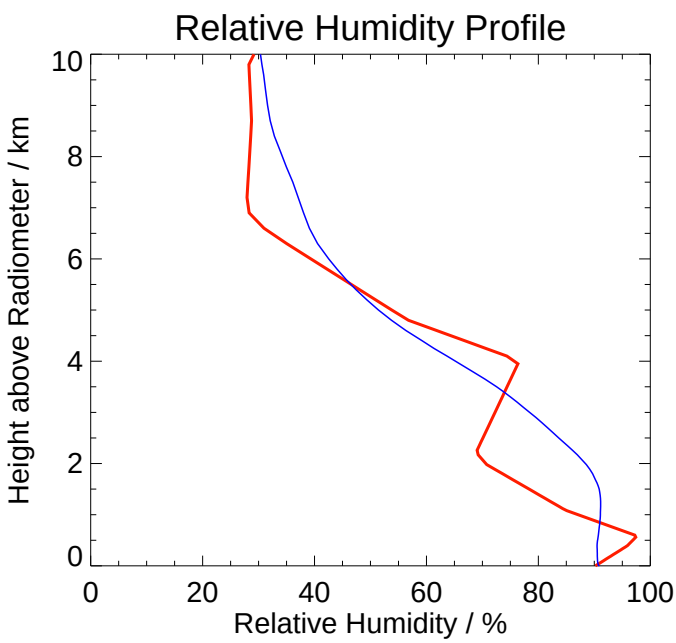

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
20
30
40
50
60
70
80

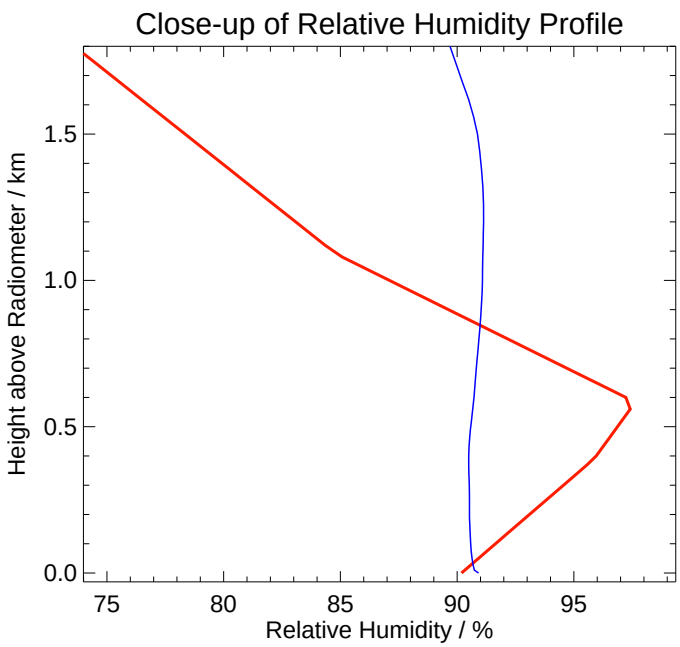

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

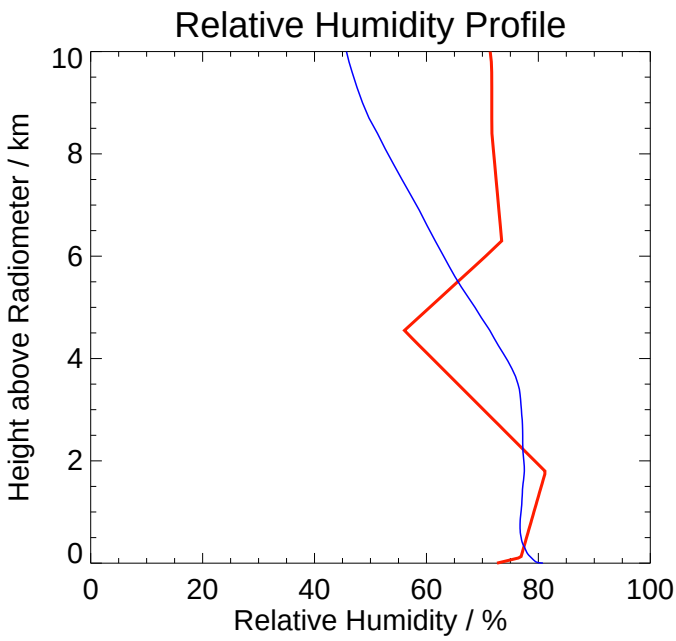

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
92
93
94
95
96
97

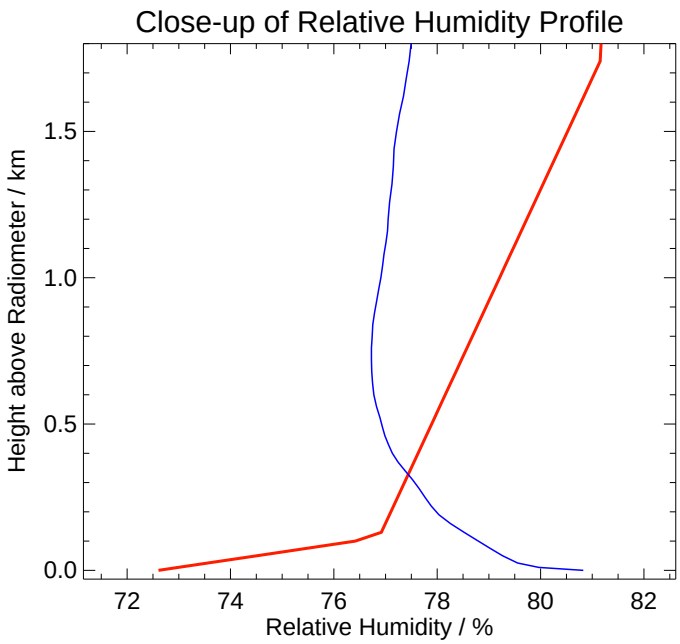

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

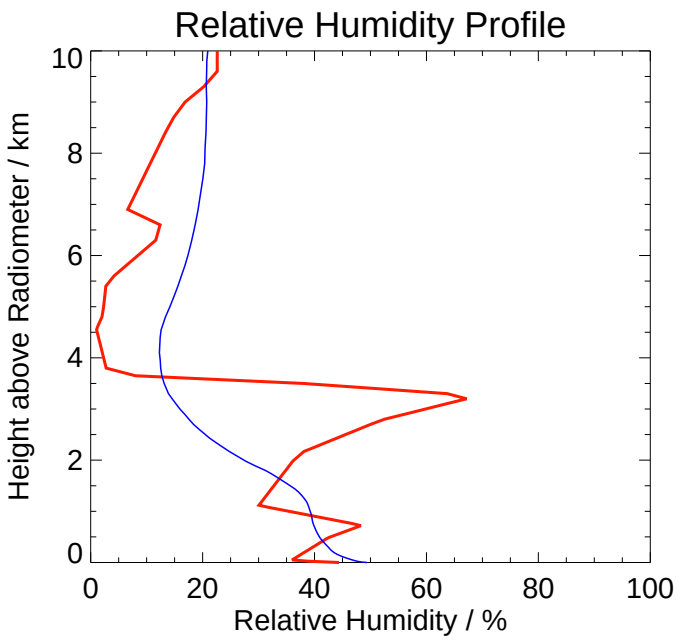

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
90
95
100

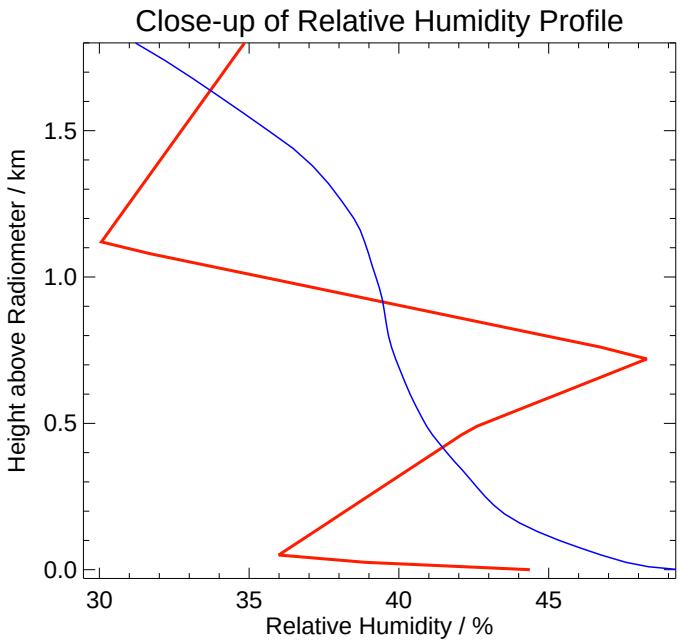

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

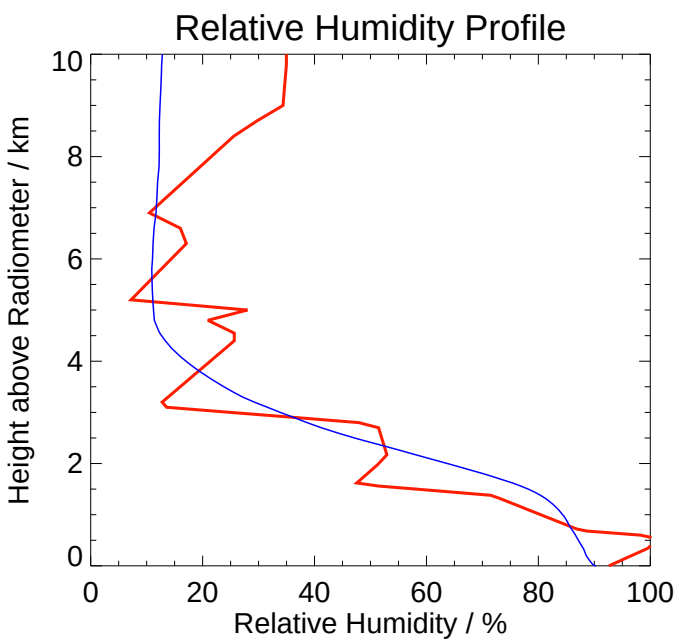

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
75
80
85
90
95

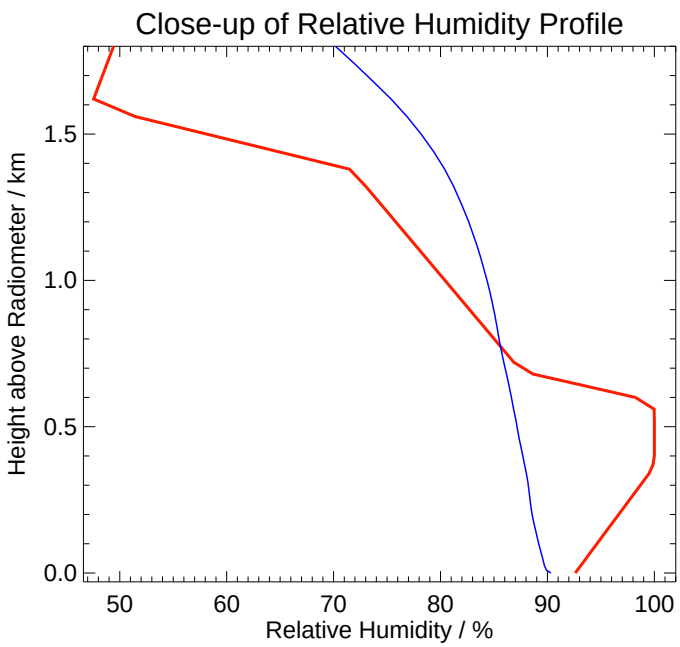

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

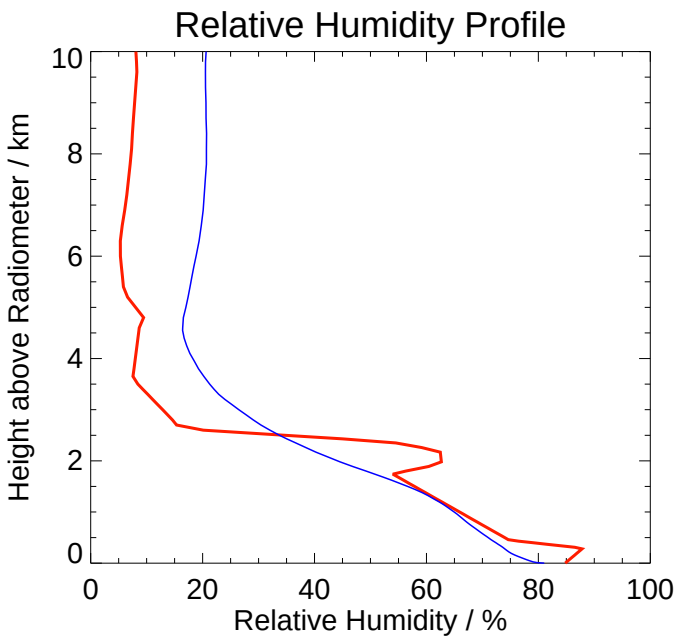

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
72
74
76
78
80
82

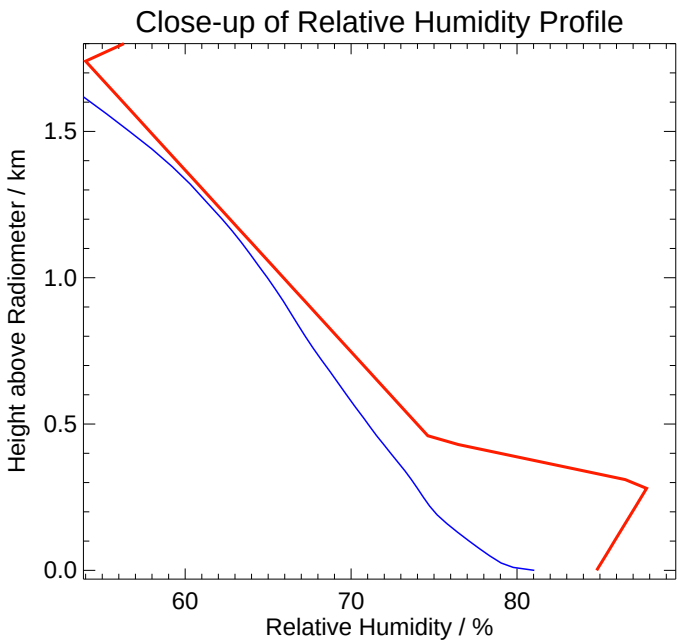

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

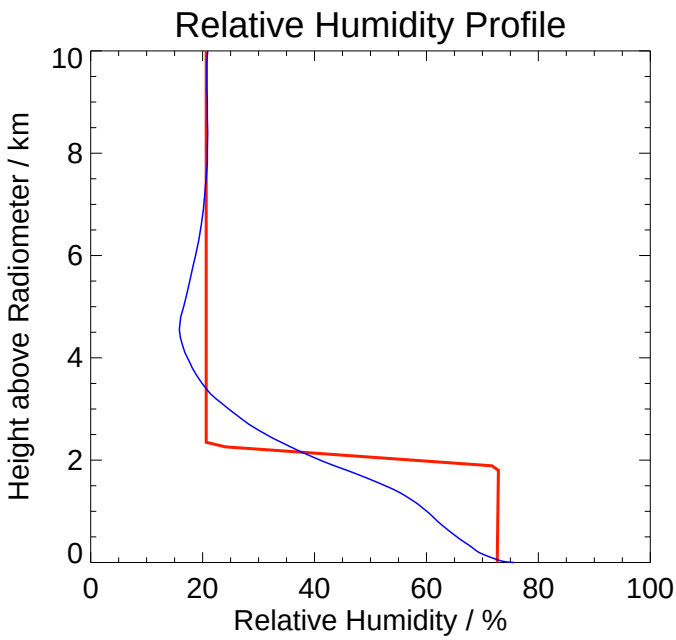

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
30
35
40
45

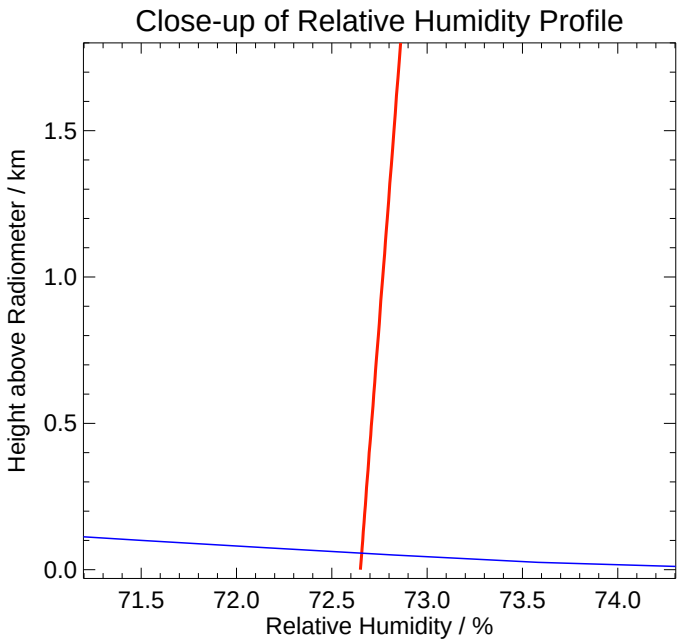

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

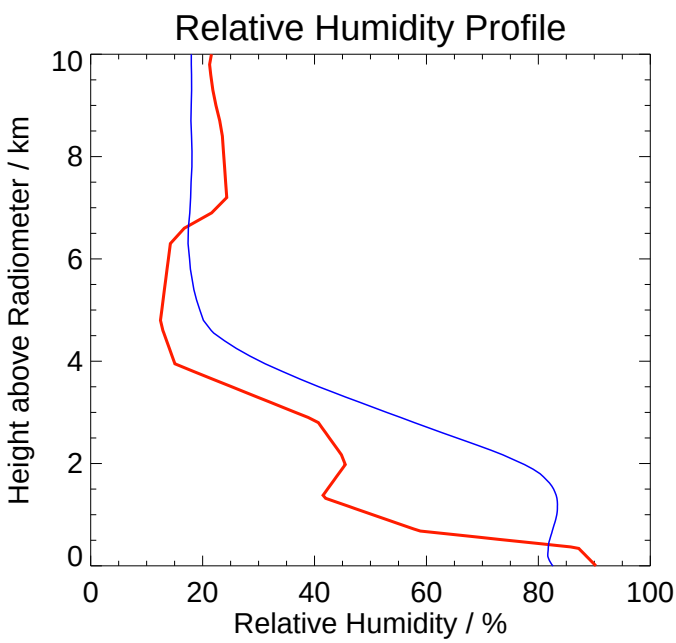

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90
100

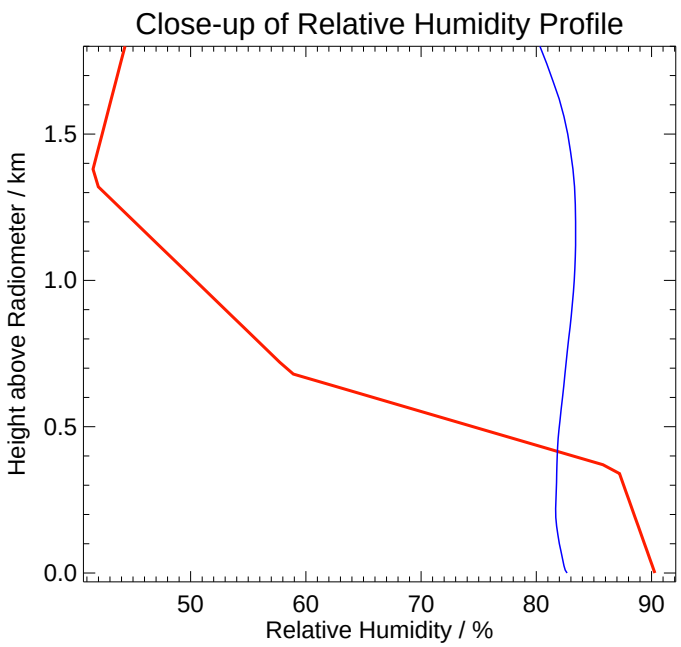

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

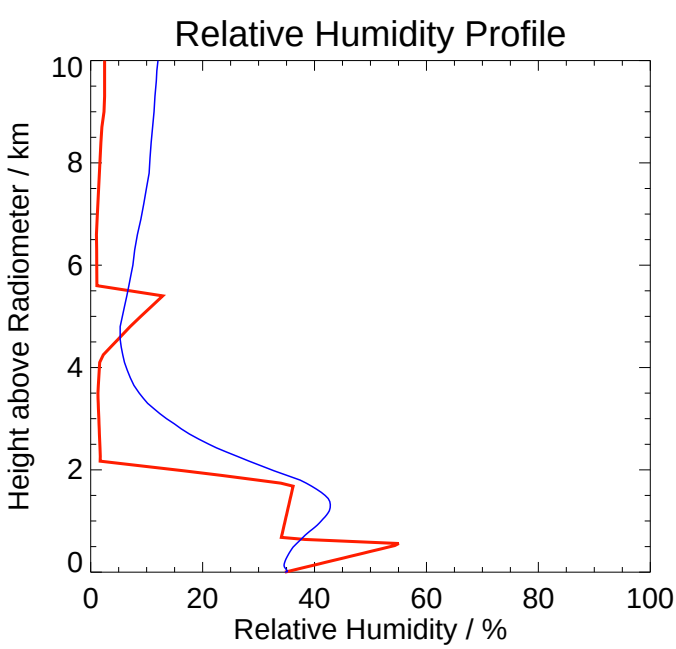

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
60
70
80

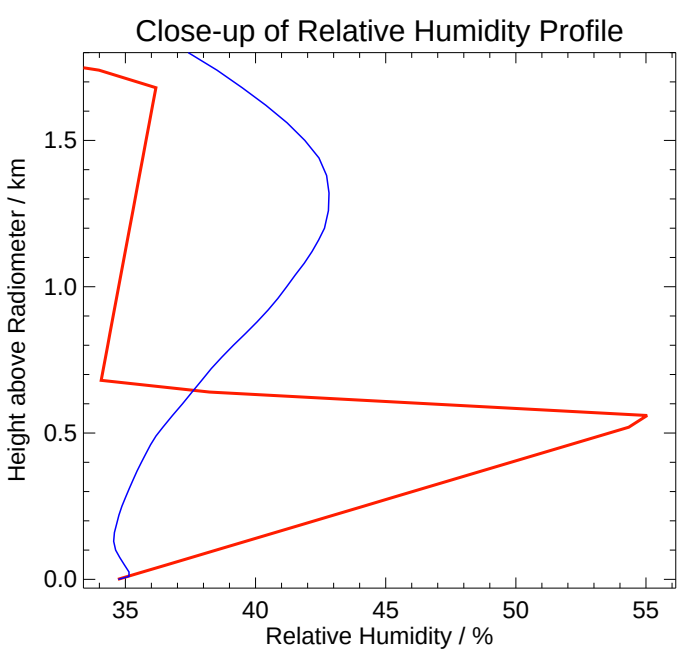

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

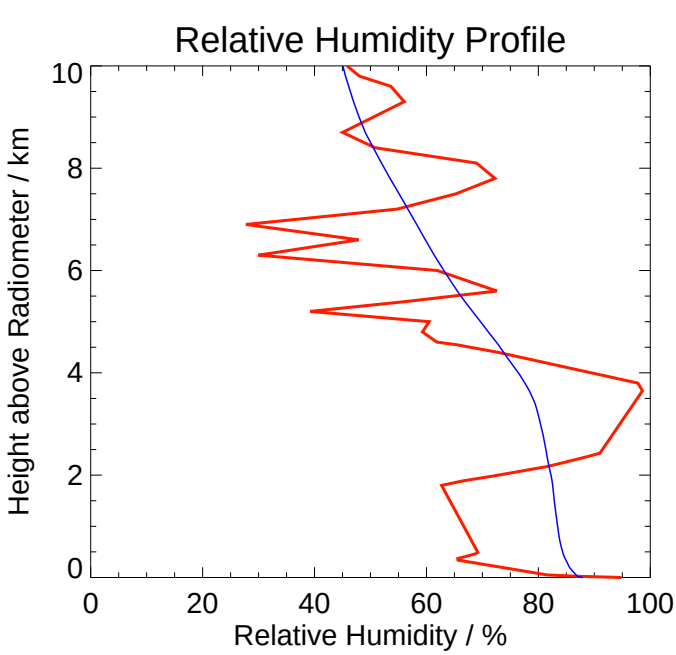

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
71.5
72.0
72.5
73.0
73.5
74.0

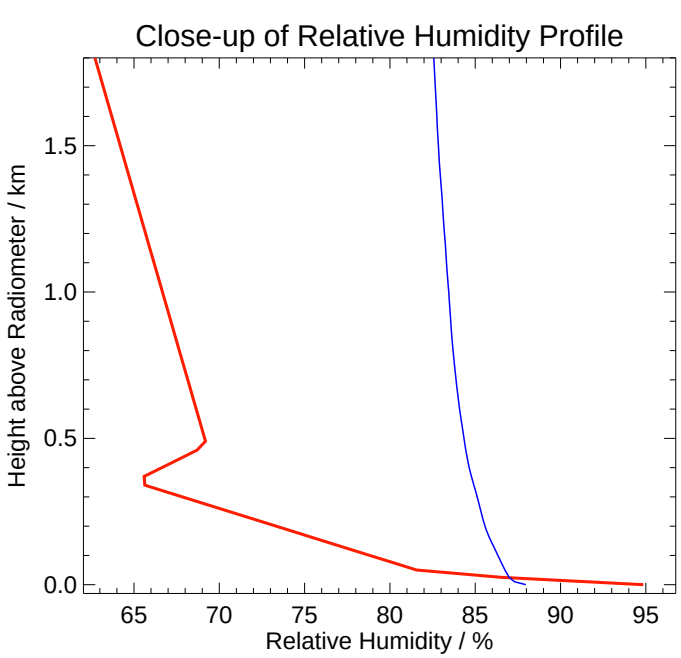

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

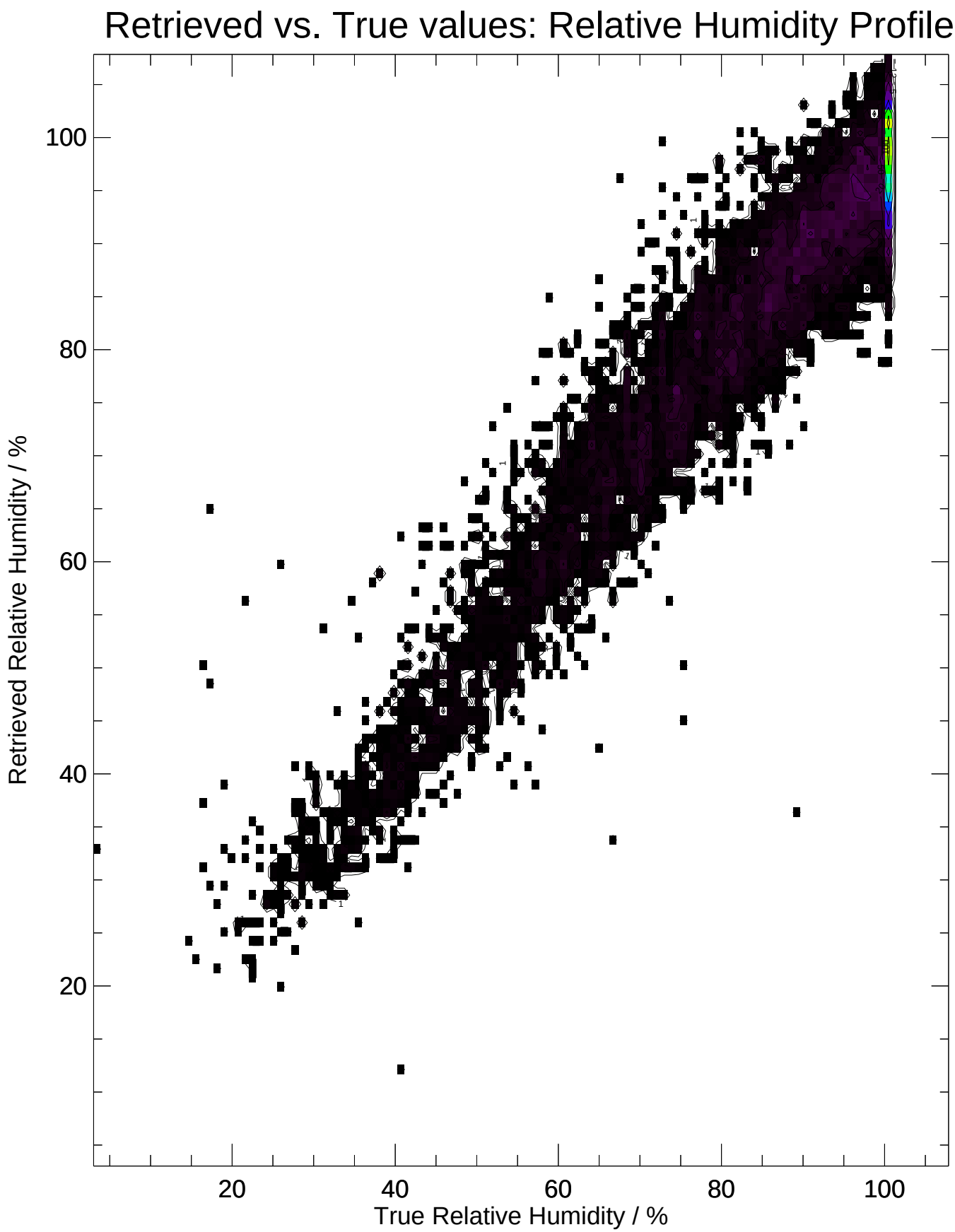

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
50
60
70
80
90

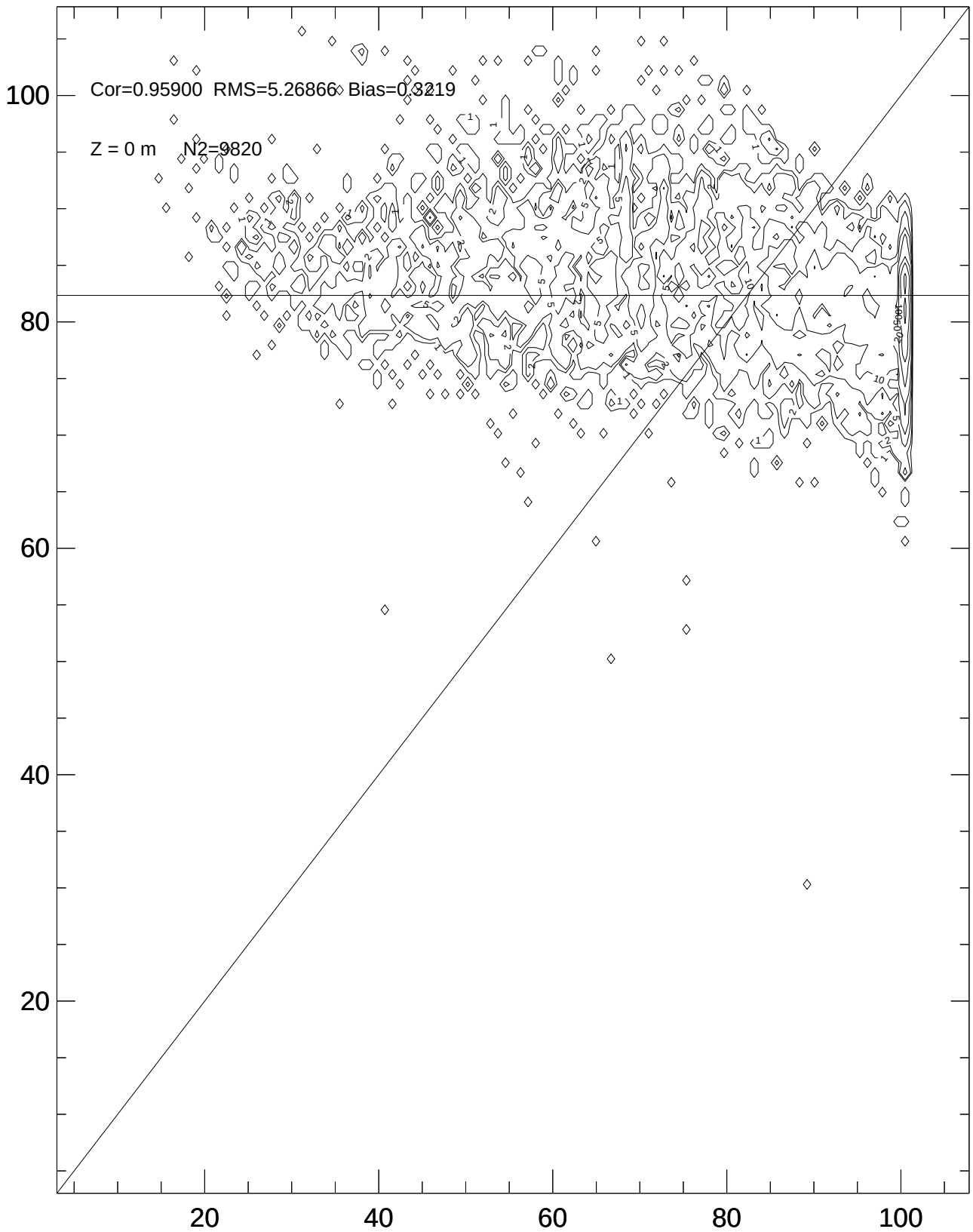

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

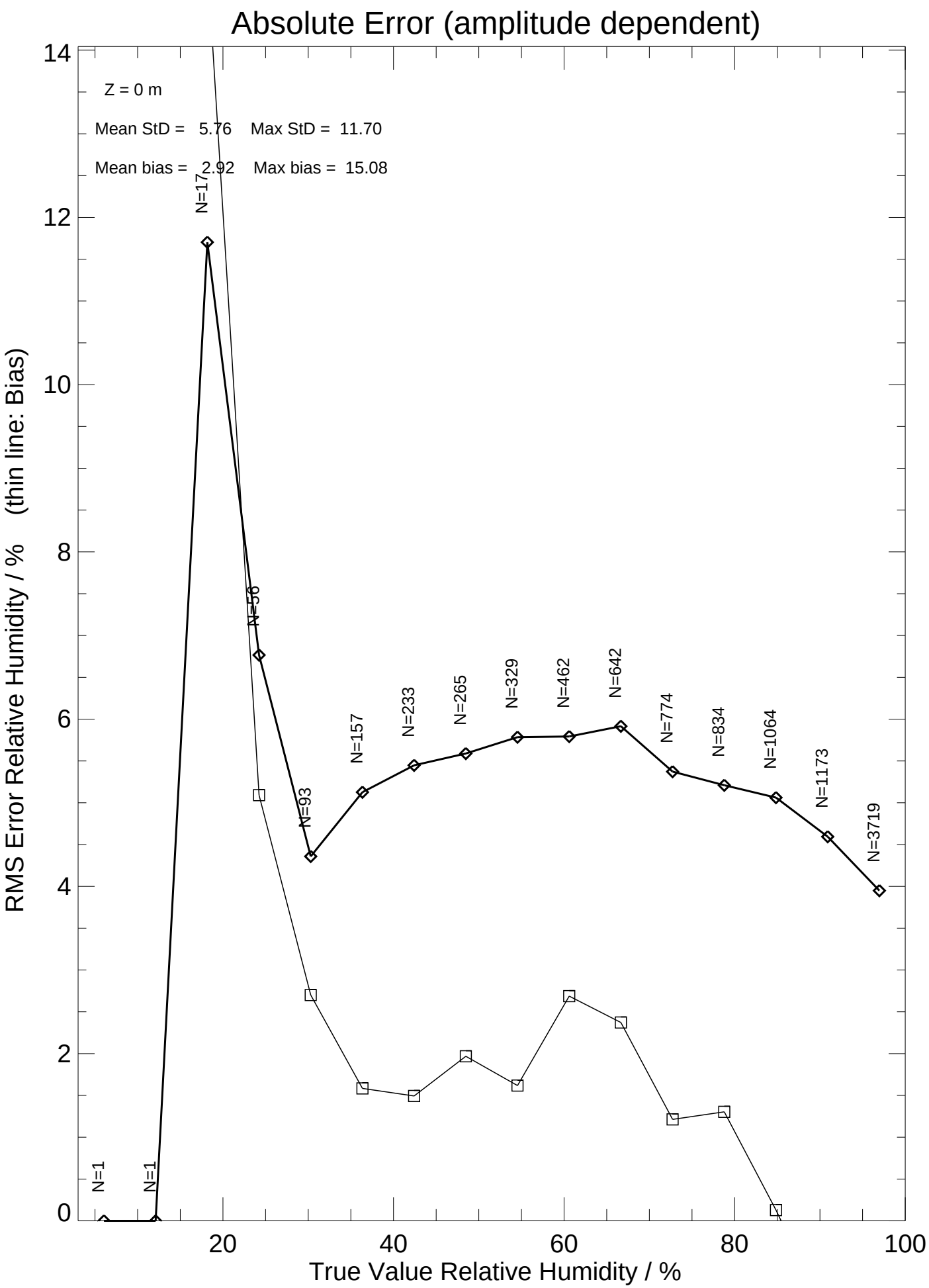

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
35
40
45
50
55

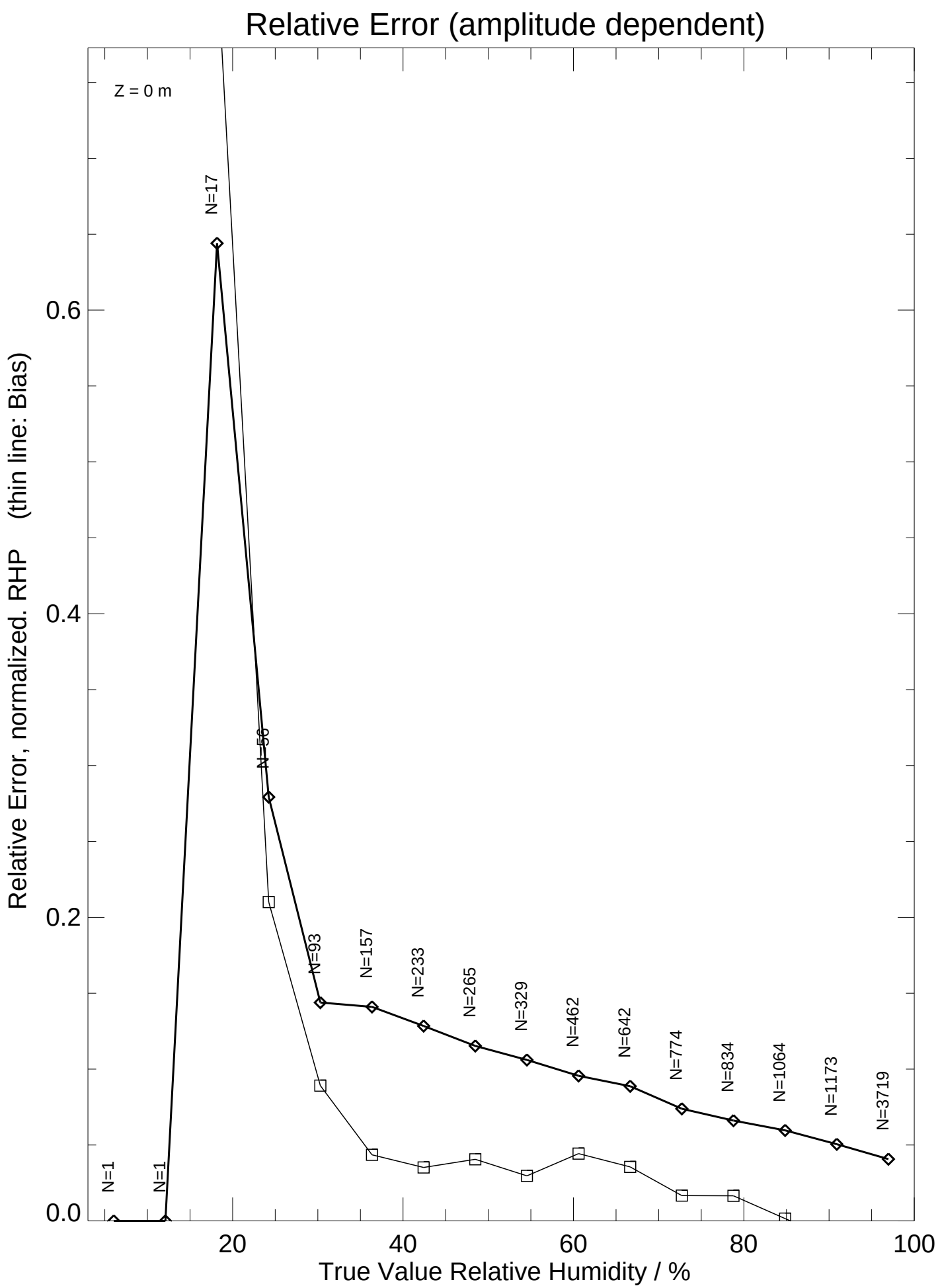

Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0
2
4
6
8
10
0
20
40
60
80
100

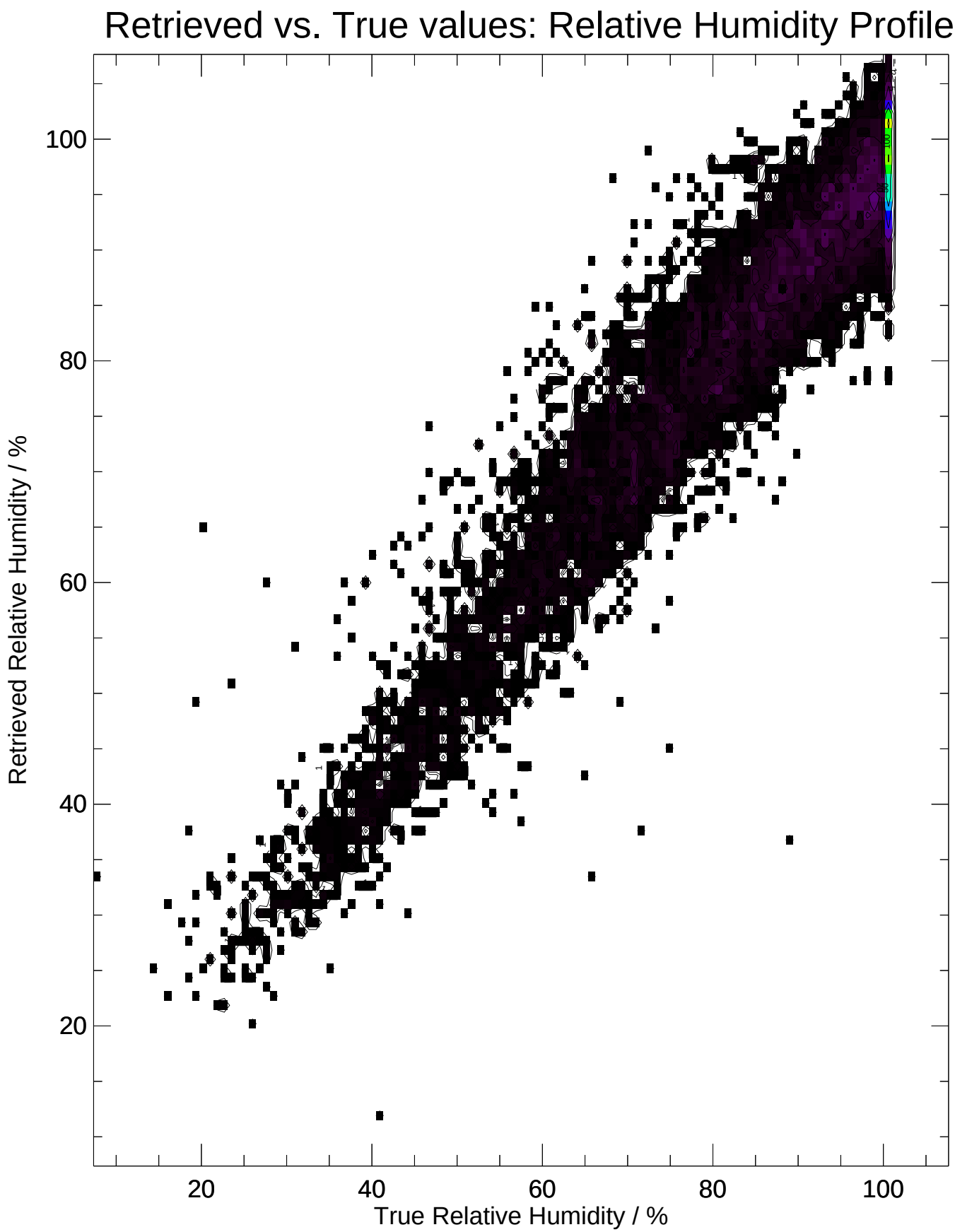

Close-up of Relative Humidity Profile
Height above Radiometer / km
Relative Humidity / %
0.0
0.5
1.0
1.5
65
70
75
80
85
90
95

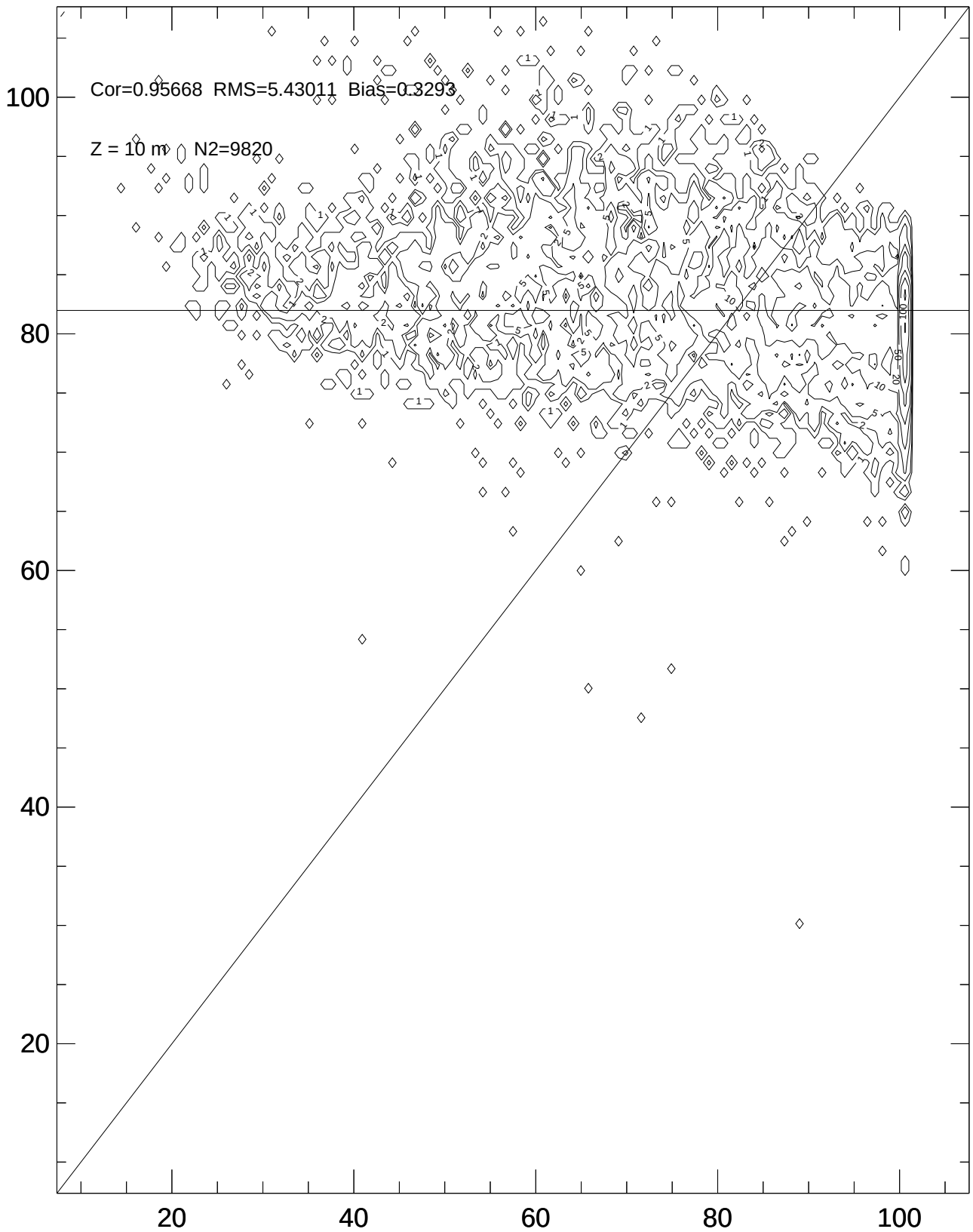

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

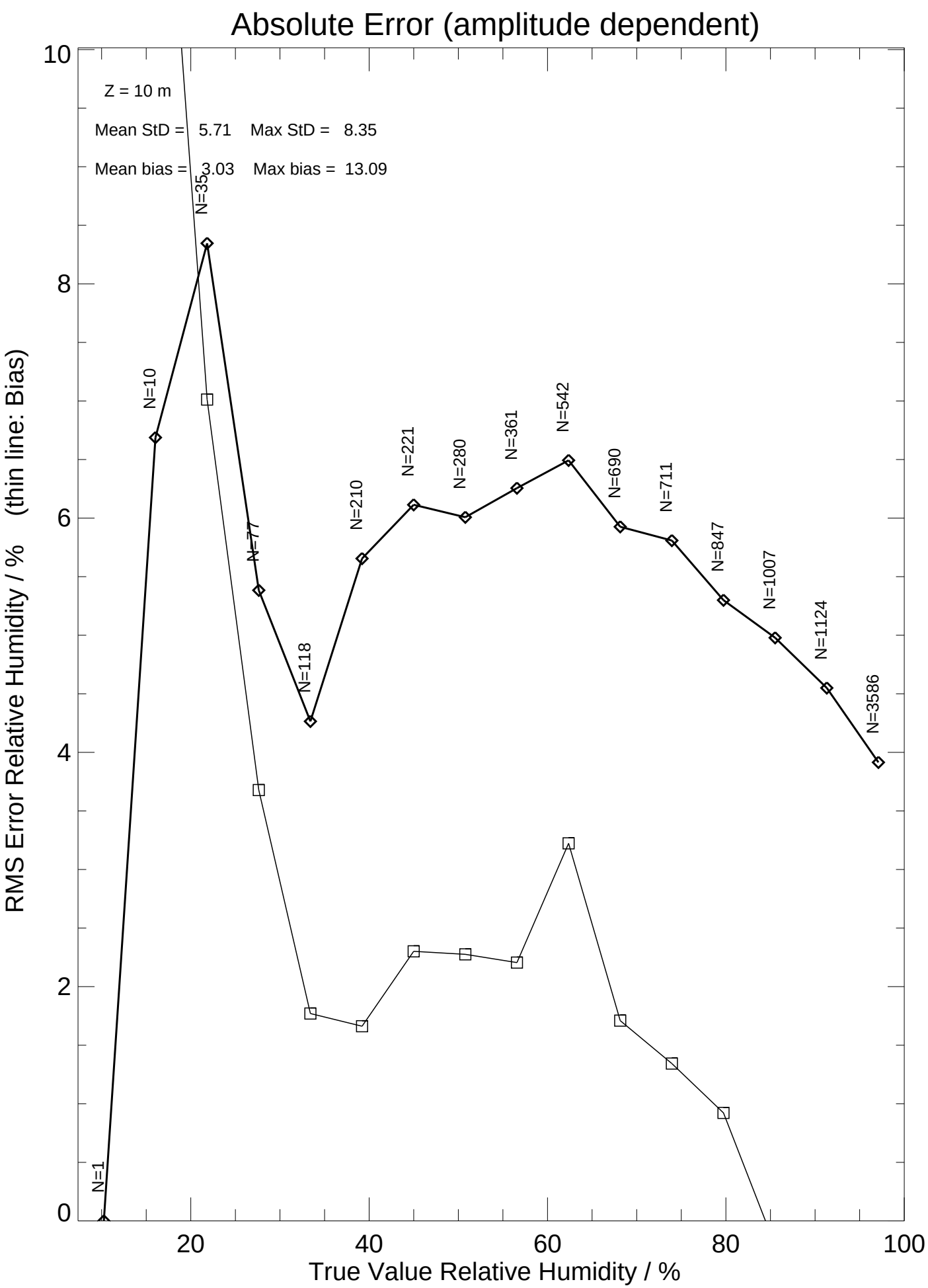

Cor=0.95900 RMS=5.26866 Bias=0.32219
Z = 0 m N2=9820
100
80
60
40
20
20
40
60
80
100

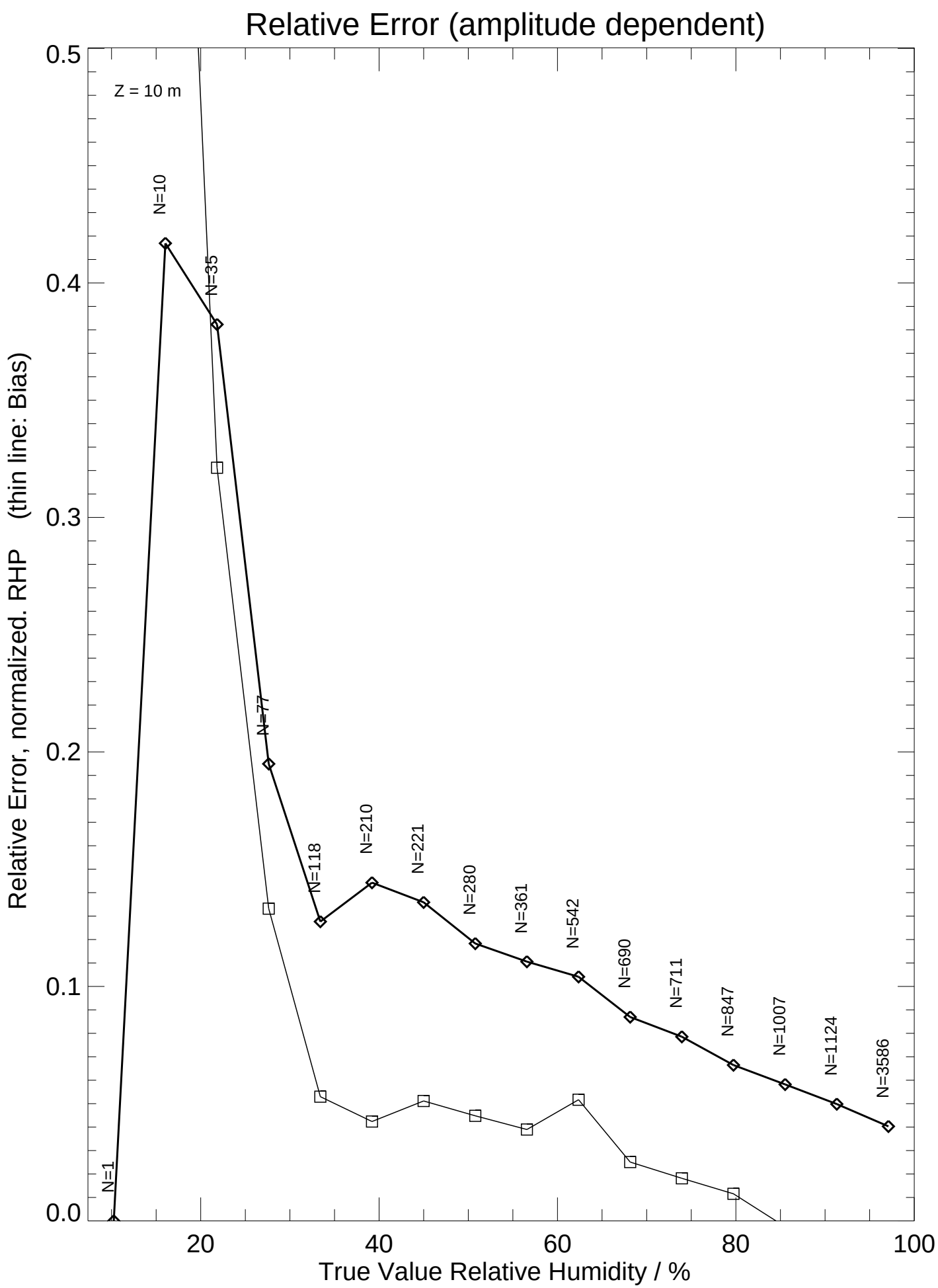

Absolute Error (amplitude dependent)
Z = 0 m
Mean StD = 5.76 Max StD = 11.70
Mean bias = 2.92 Max bias = 15.08
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
12
14
20
40
60
80
100
N=1
N=1
N=17
N=56
N=93
N=157
N=233
N=265
N=329
N=462
N=642
N=774
N=834
N=1064
N=1173
N=3719

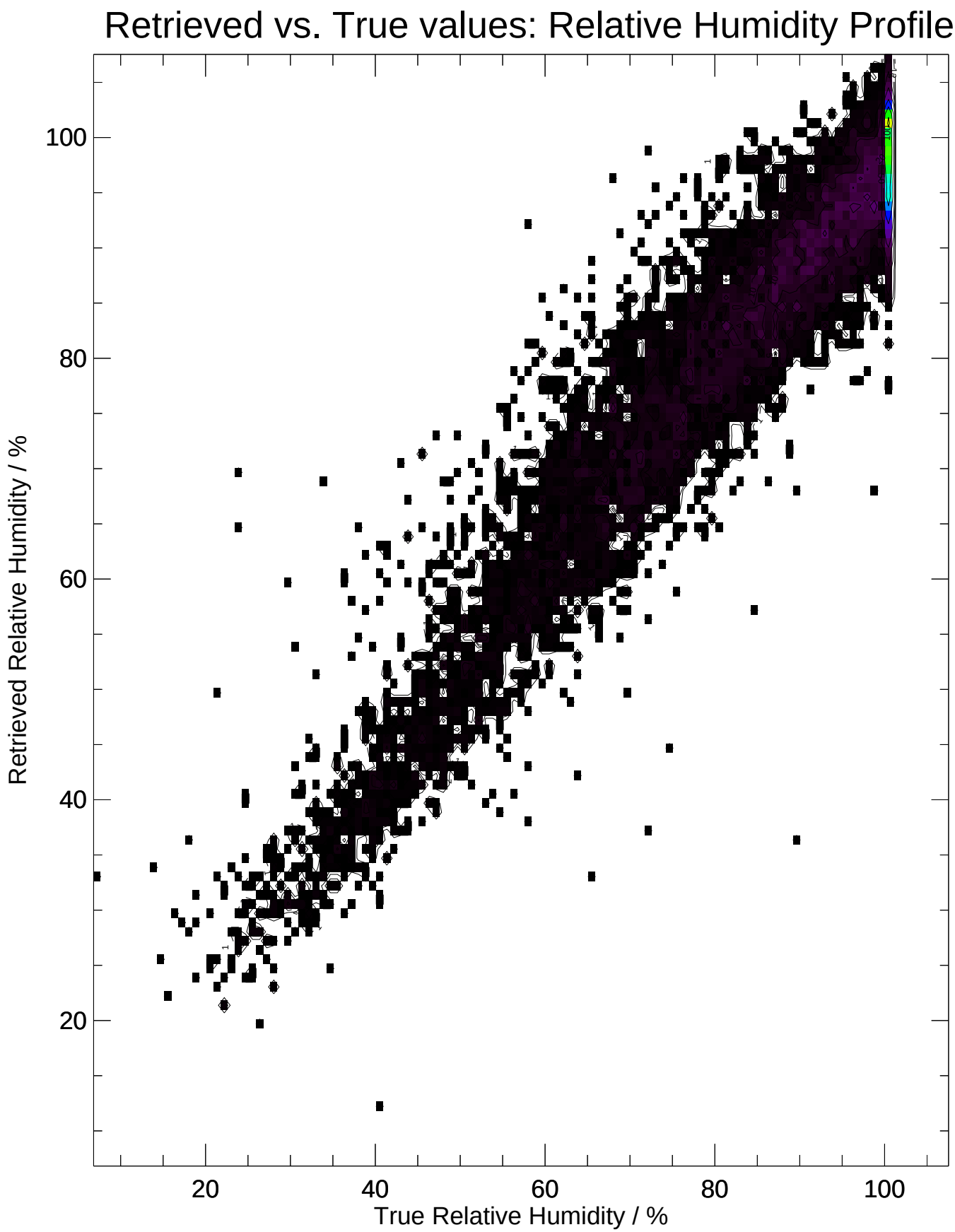

Relative Error (amplitude dependent)
Z = 0 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.2
0.4
0.6
20
40
60
80
100
N=1
N=1
N=17
N=56
N=93
N=157
N=233
N=265
N=329
N=462
N=642
N=774
N=834
N=1064
N=1173
N=3719

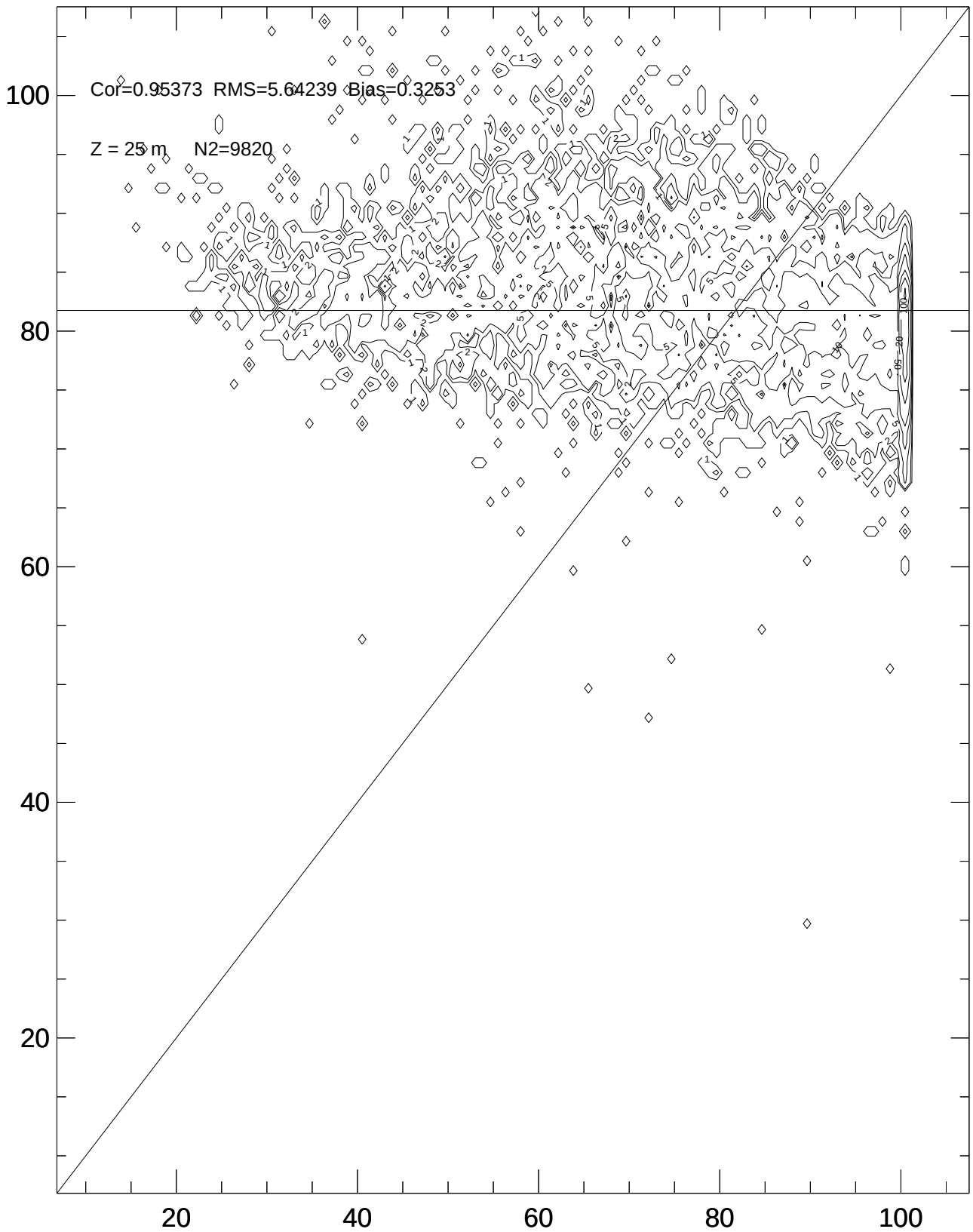

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

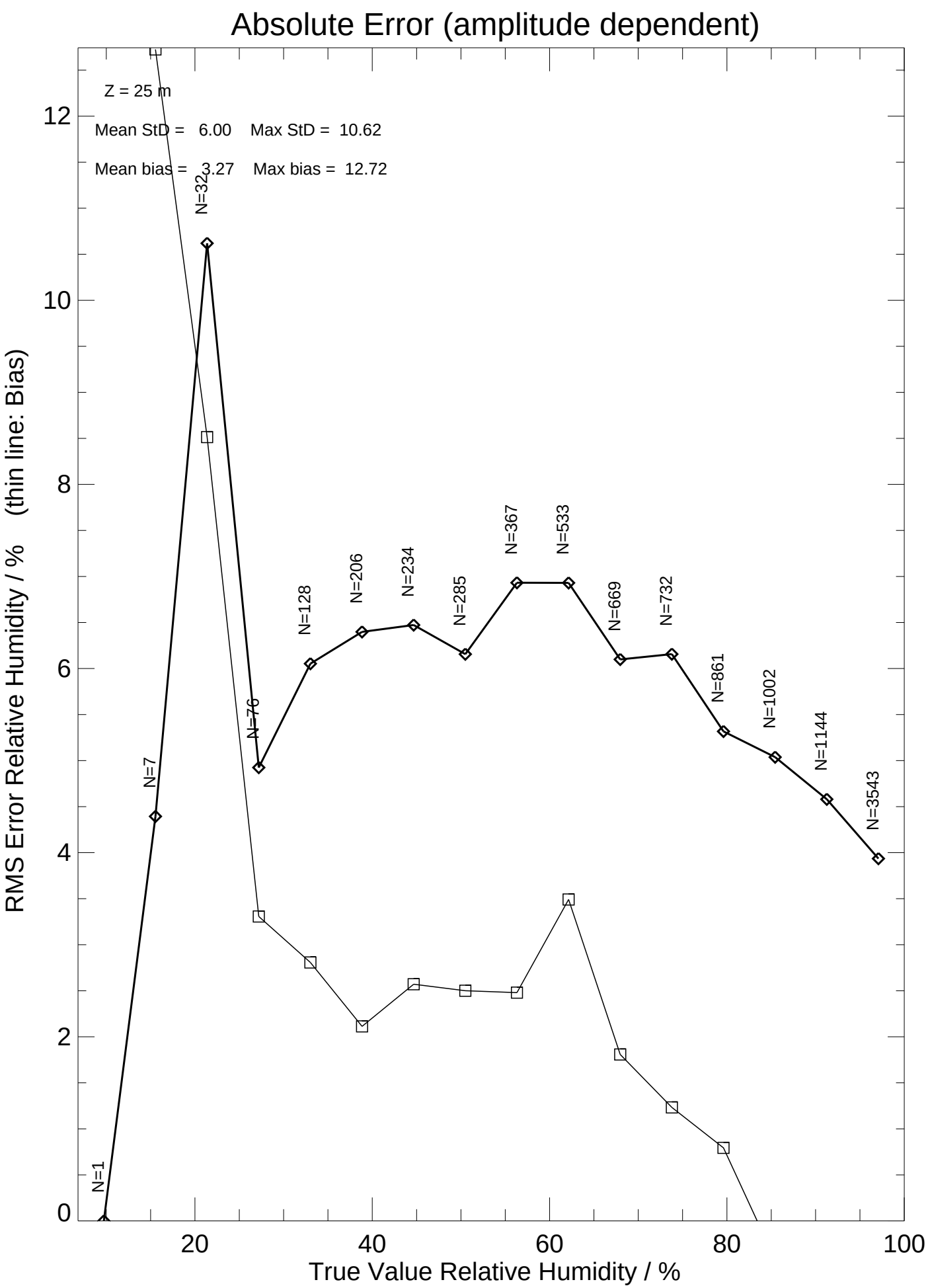

Cor=0.95668 RMS=5.43011 Bias=0.3293
Z = 10 m N2=9820
100
80
60
40
20
20
40
60
80
100

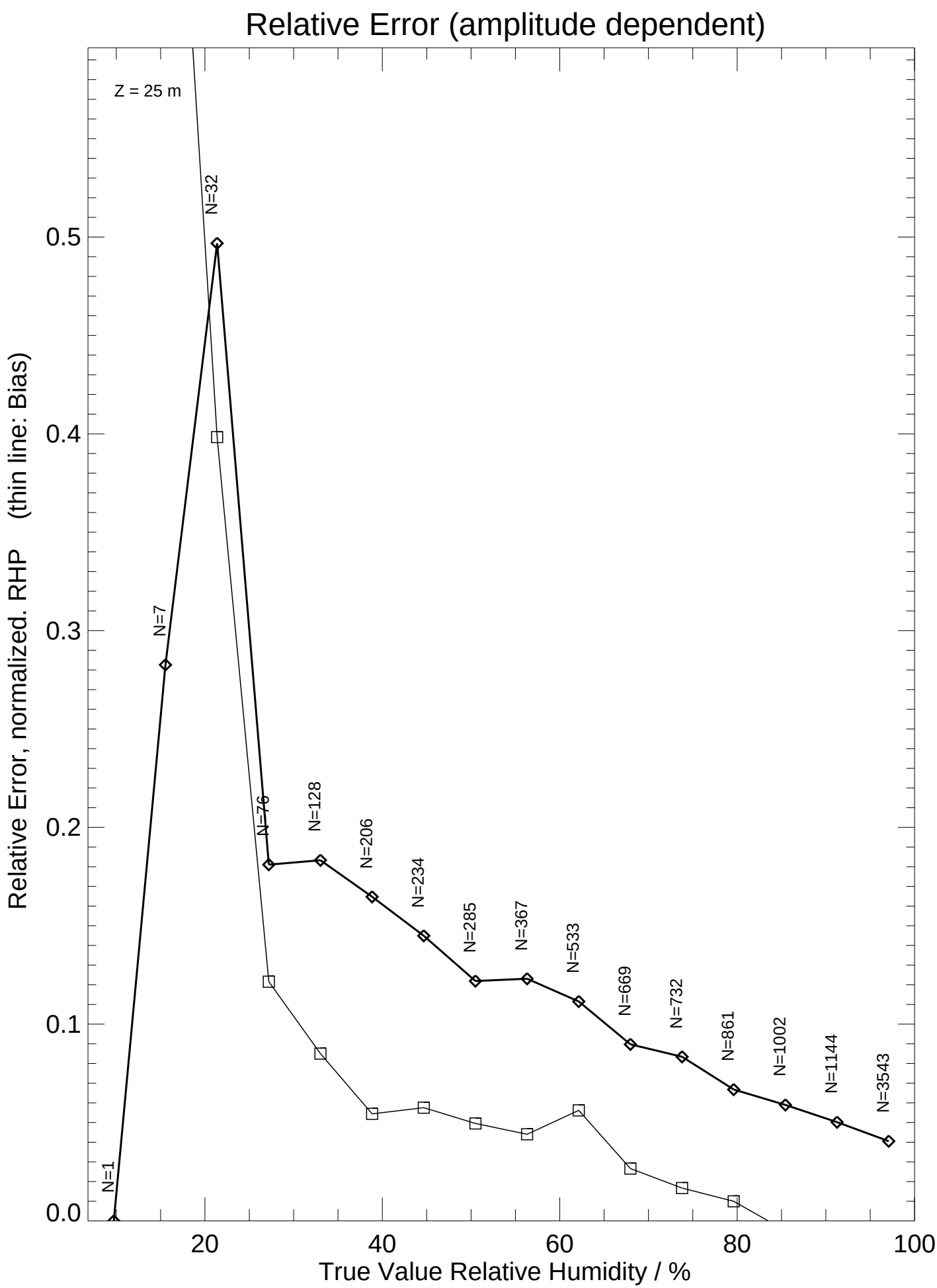

Absolute Error (amplitude dependent)
Z = 10 m
Mean StD = 5.71 Max StD = 8.35
Mean bias = 3.03 Max bias = 13.09
N=1
N=10
N=35
N=77
N=118
N=210
N=221
N=280
N=361
N=542
N=690
N=711
N=847
N=1007
N=1124
N=3586
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100

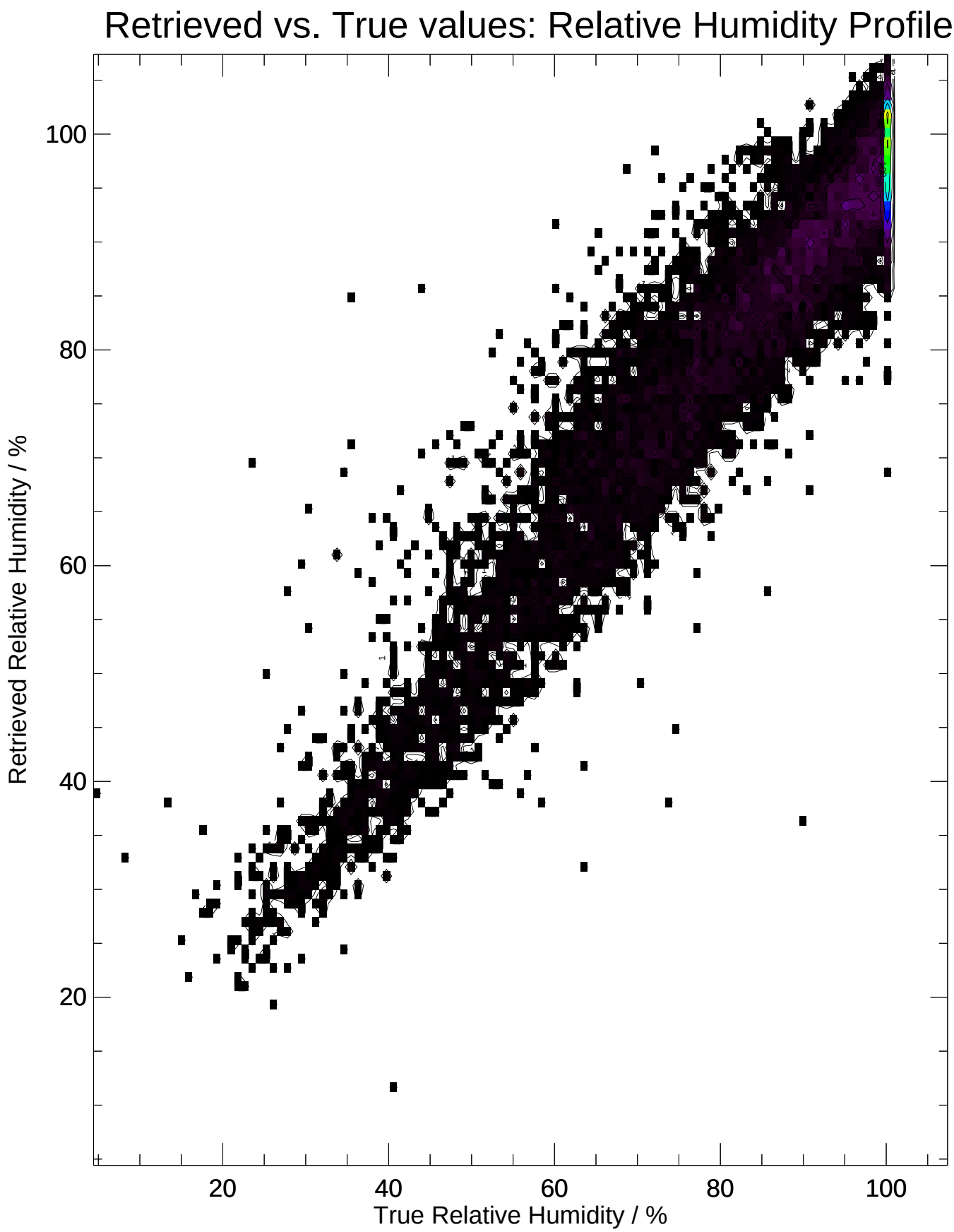

Relative Error (amplitude dependent)
Z = 10 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
0.5
20
40
60
80
100
N=1
N=10
N=35
N=77
N=118
N=210
N=221
N=280
N=361
N=542
N=690
N=711
N=847
N=1007
N=1124
N=3586

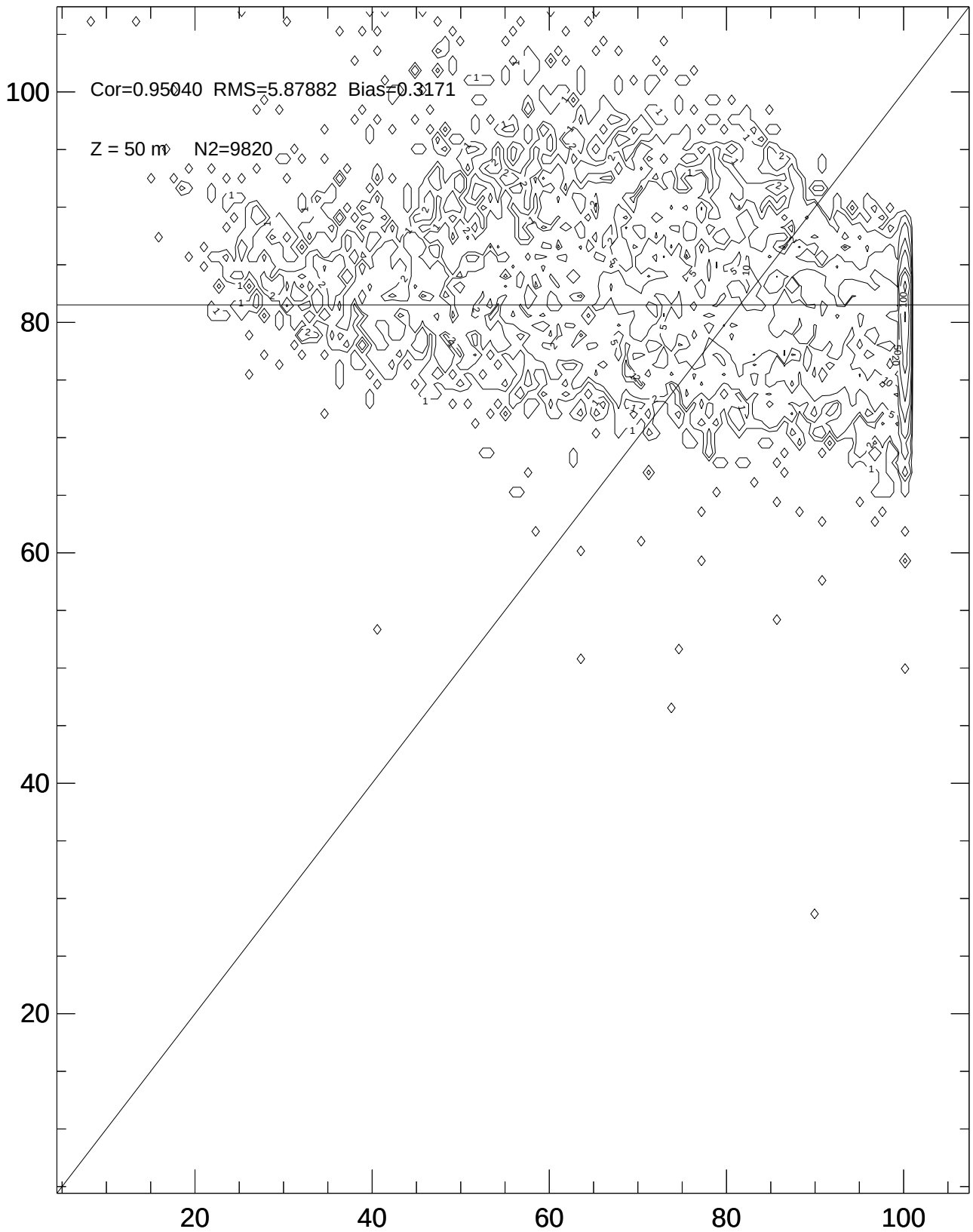

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

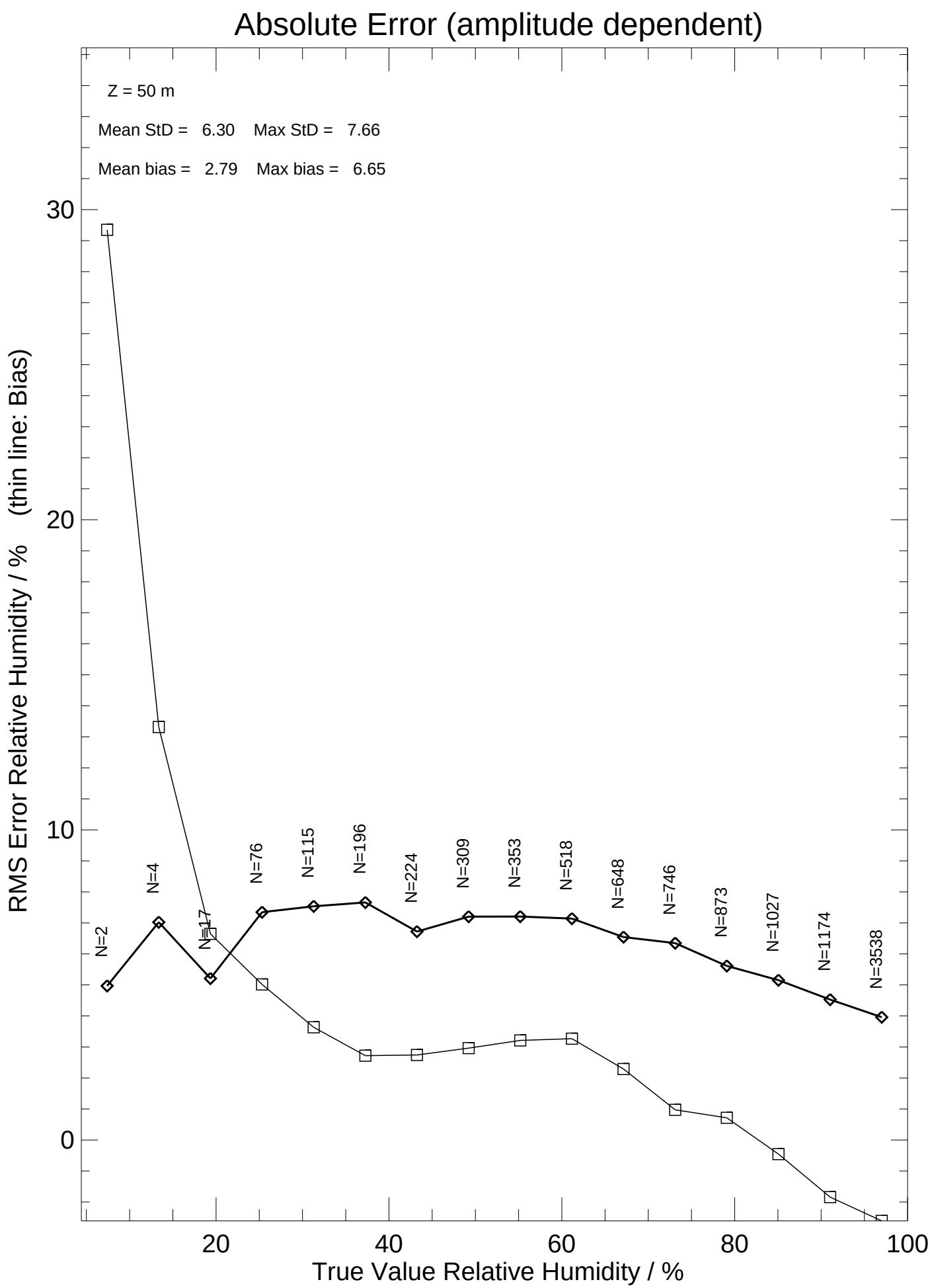

Cor=0.95373 RMS=5.64239 Bias=0.3253
Z = 25 m N2=9820
100
80
60
40
20
20
40
60
80
100

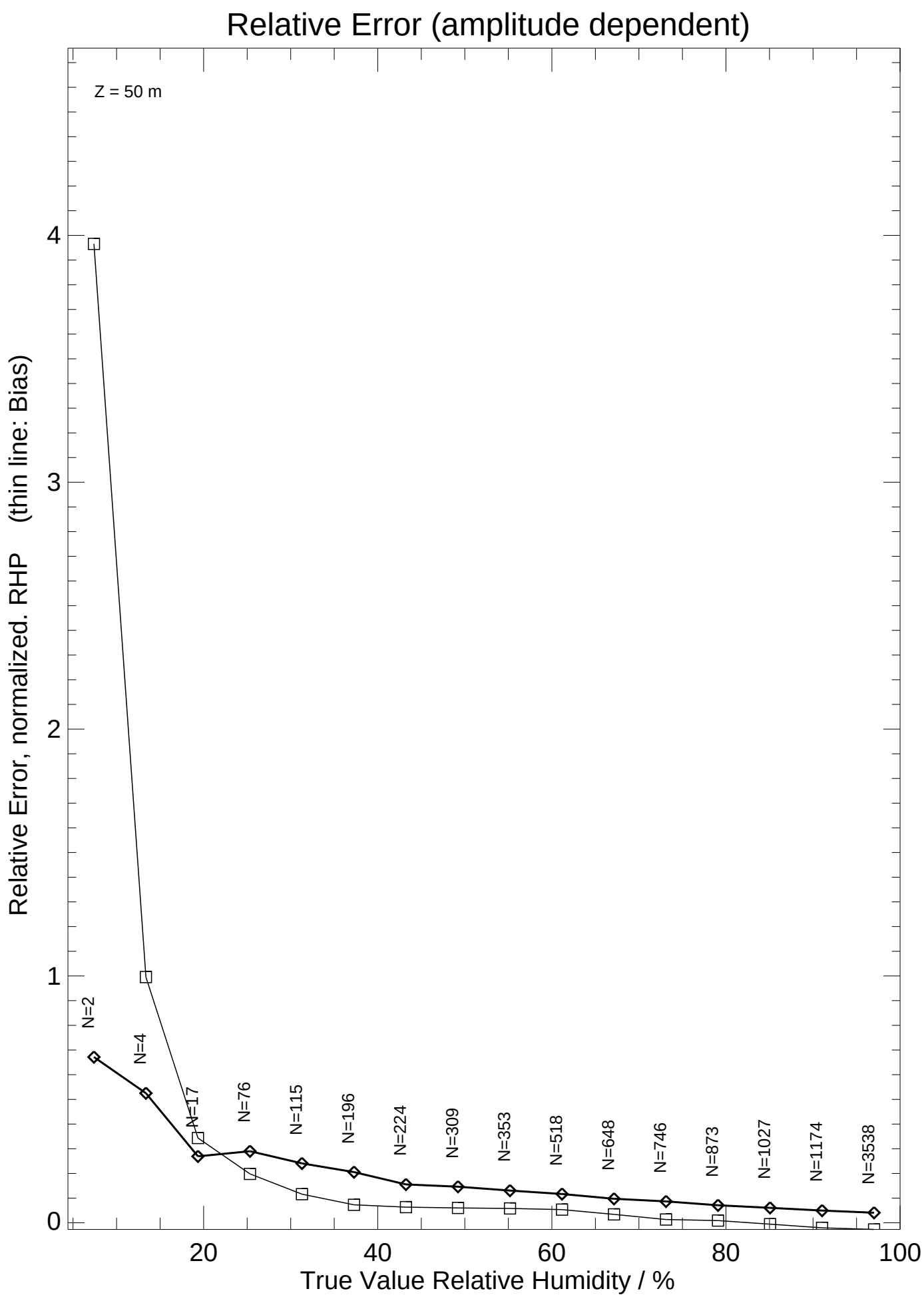

Absolute Error (amplitude dependent)
Z = 25 m
Mean StD = 6.00 Max StD = 10.62
Mean bias = 3.27 Max bias = 12.72
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
12
20
40
60
80
100
N=1
N=7
N=32
N=76
N=128
N=206
N=234
N=285
N=367
N=533
N=669
N=732
N=861
N=1002
N=1144
N=3543

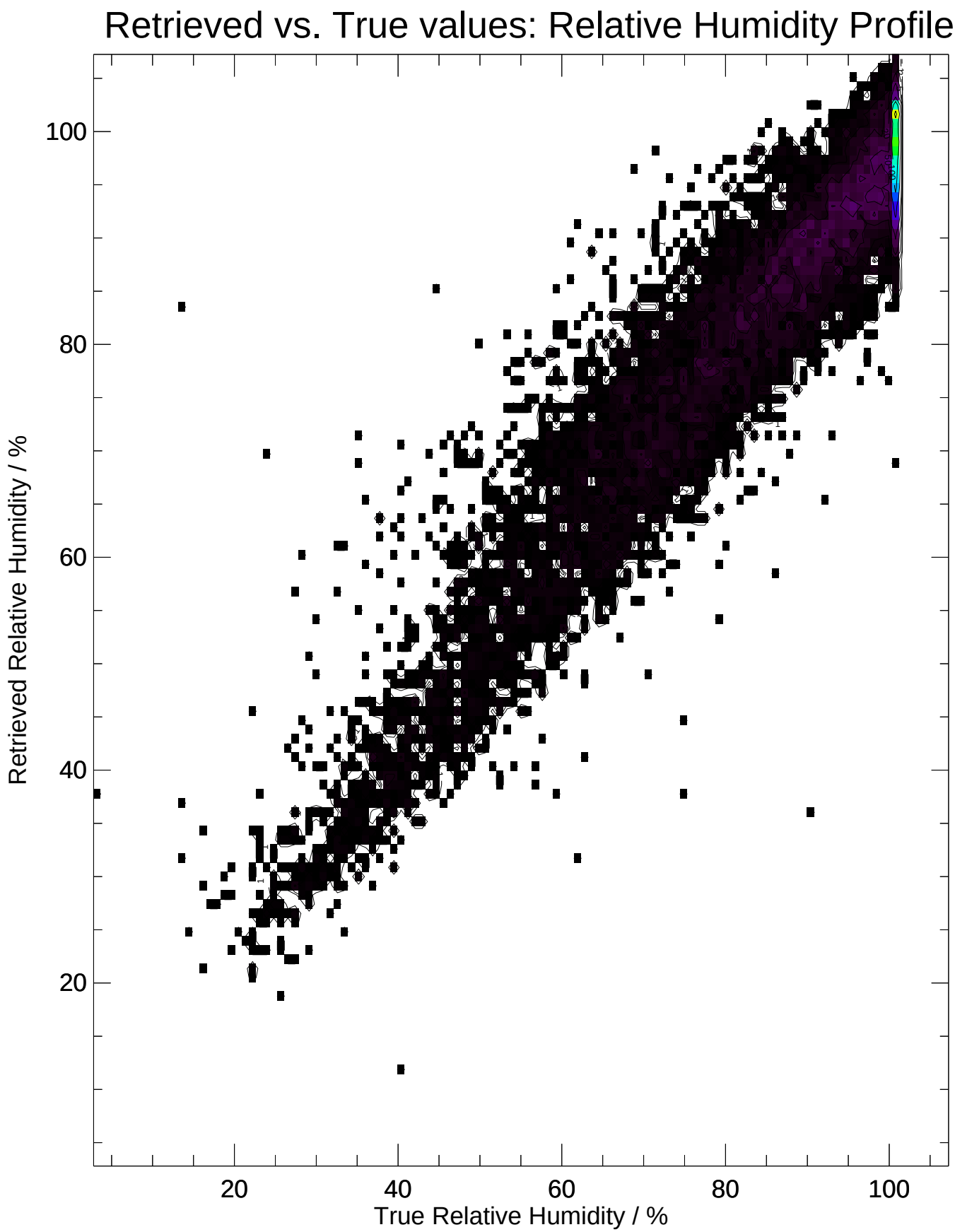

Relative Error (amplitude dependent)
Z = 25 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
0.5
20
40
60
80
100
N=1
N=7
N=32
N=76
N=128
N=206
N=234
N=285
N=367
N=533
N=669
N=732
N=861
N=1002
N=1144
N=3543

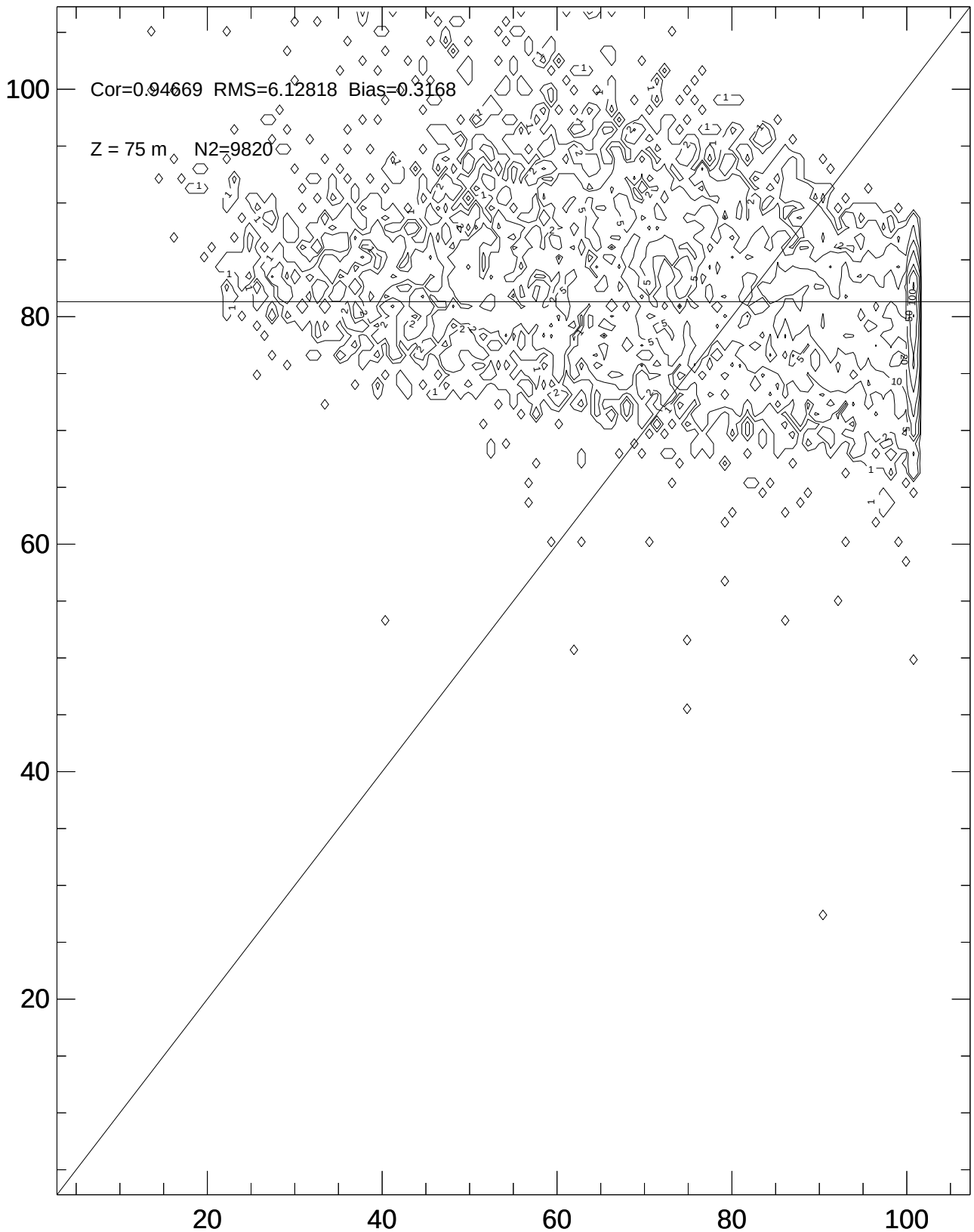

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

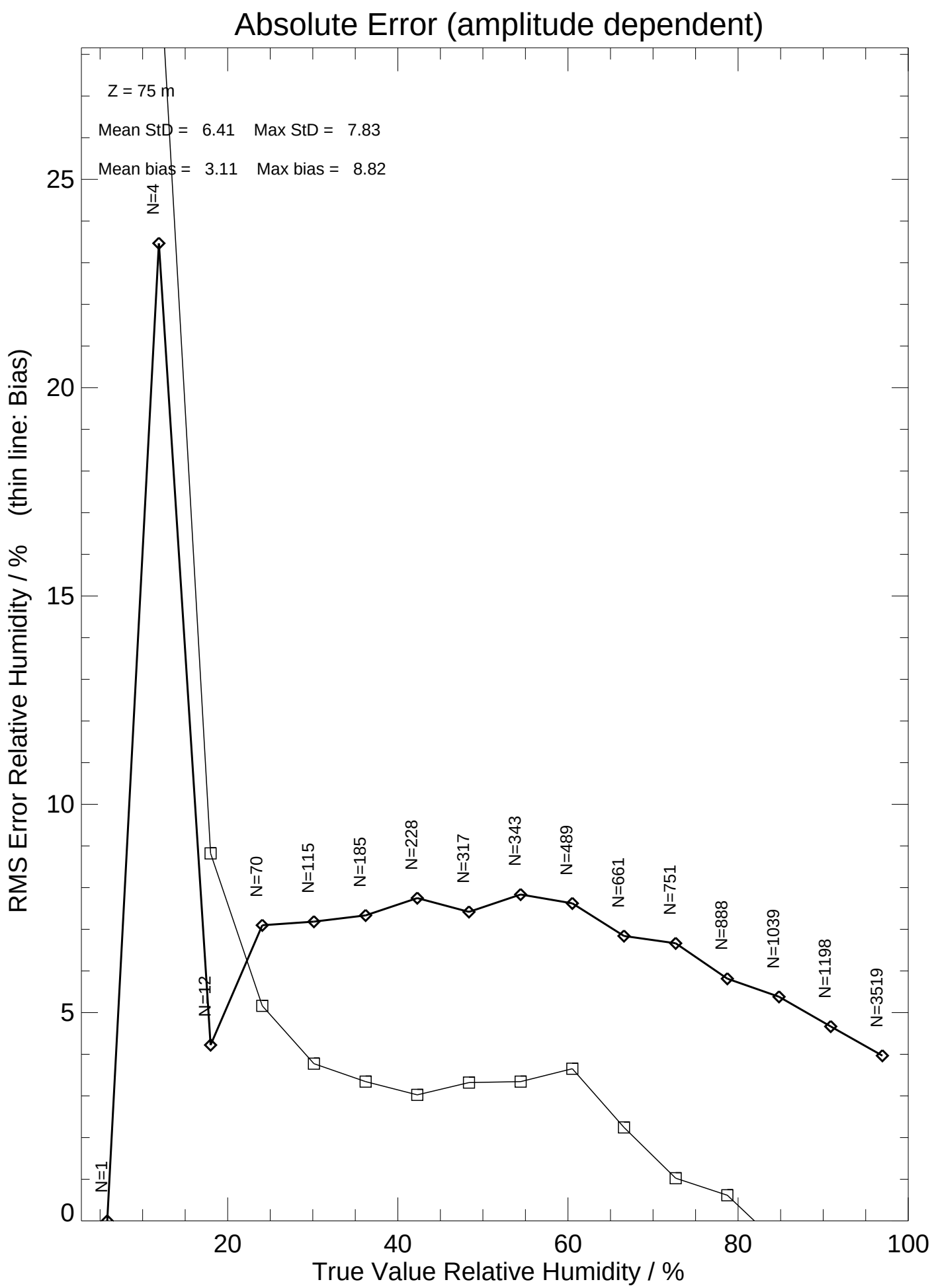

Cor=0.95040 RMS=5.87882 Bias=0.3171
Z = 50 m N2=9820
100
80
60
40
20
20
40
60
80
100

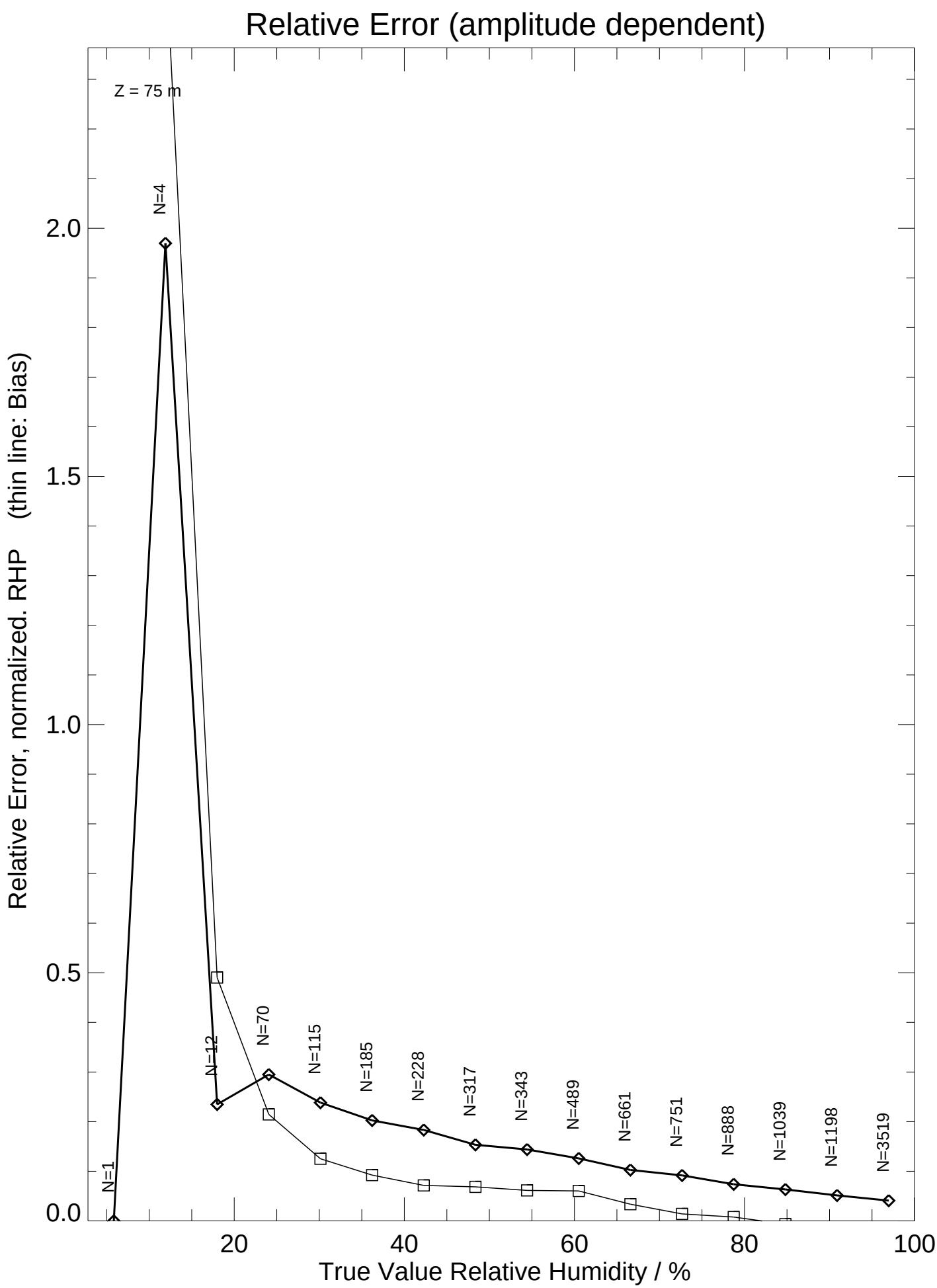

Absolute Error (amplitude dependent)
Z = 50 m
Mean StD = 6.30 Max StD = 7.66
Mean bias = 2.79 Max bias = 6.65
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=2
N=4
N=17
N=76
N=115
N=196
N=224
N=309
N=353
N=518
N=648
N=746
N=873
N=1027
N=1174
N=3538

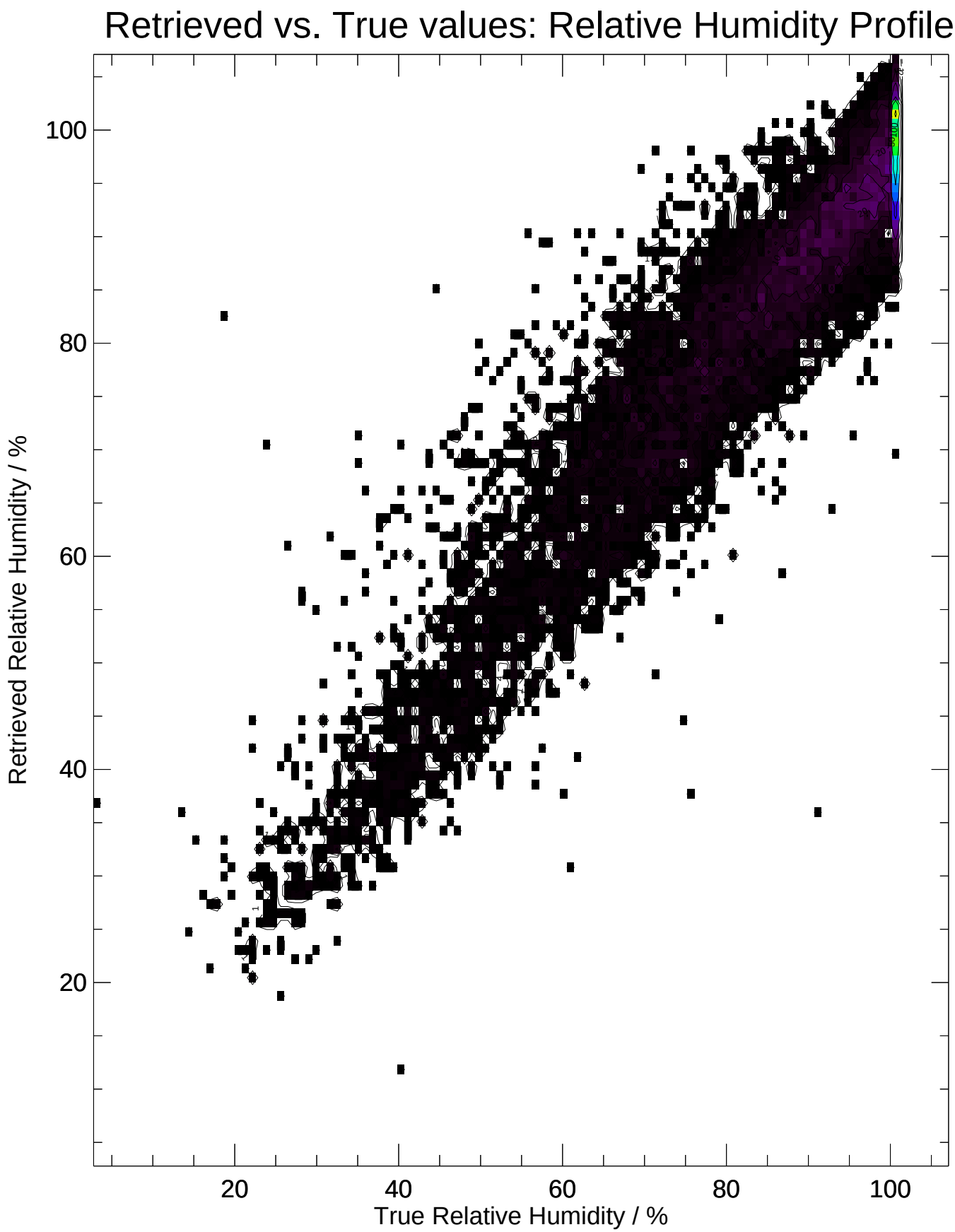

Relative Error (amplitude dependent)
Z = 50 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=2
N=4
N=17
N=76
N=115
N=196
N=224
N=309
N=353
N=518
N=648
N=746
N=873
N=1027
N=1174
N=3538

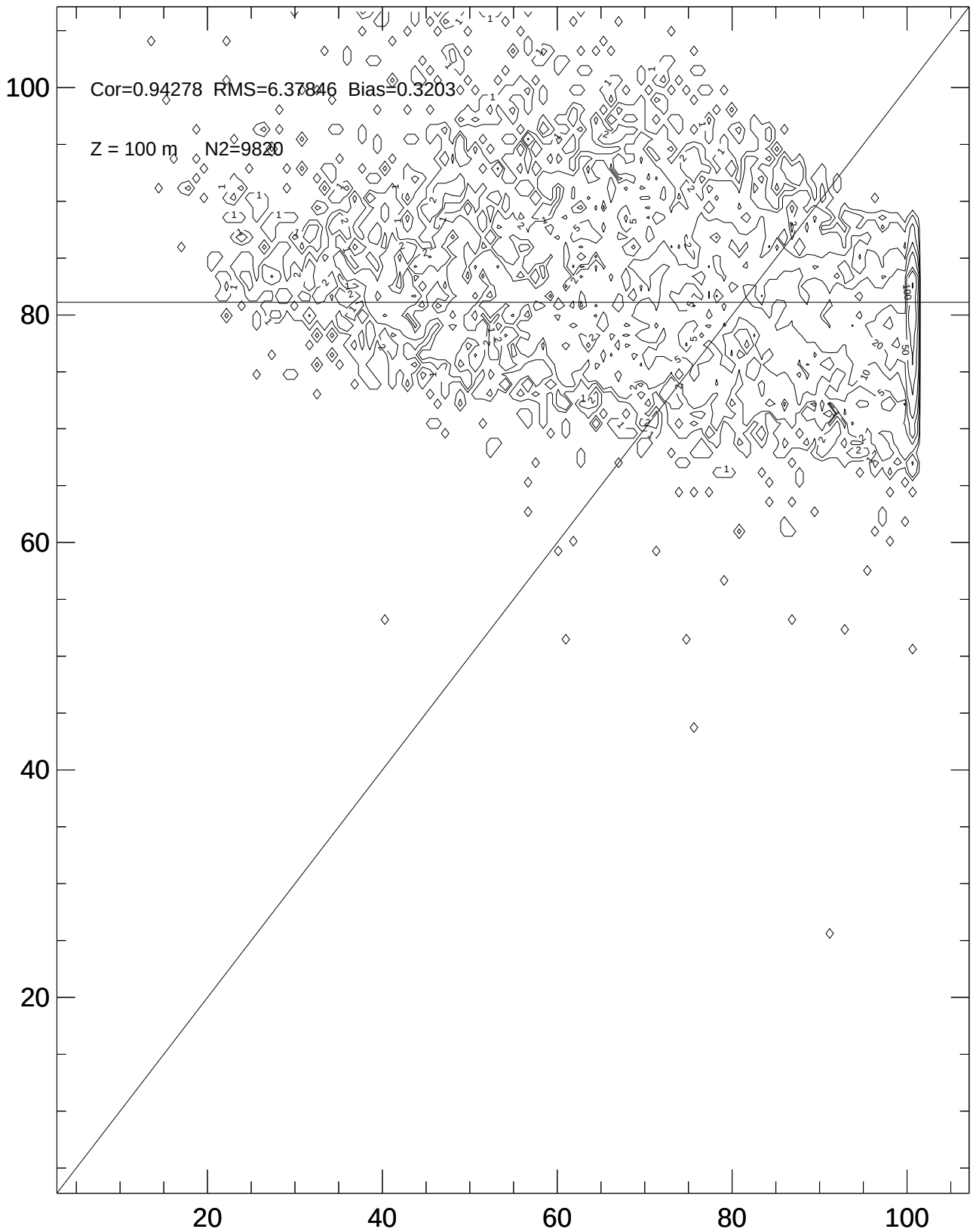

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

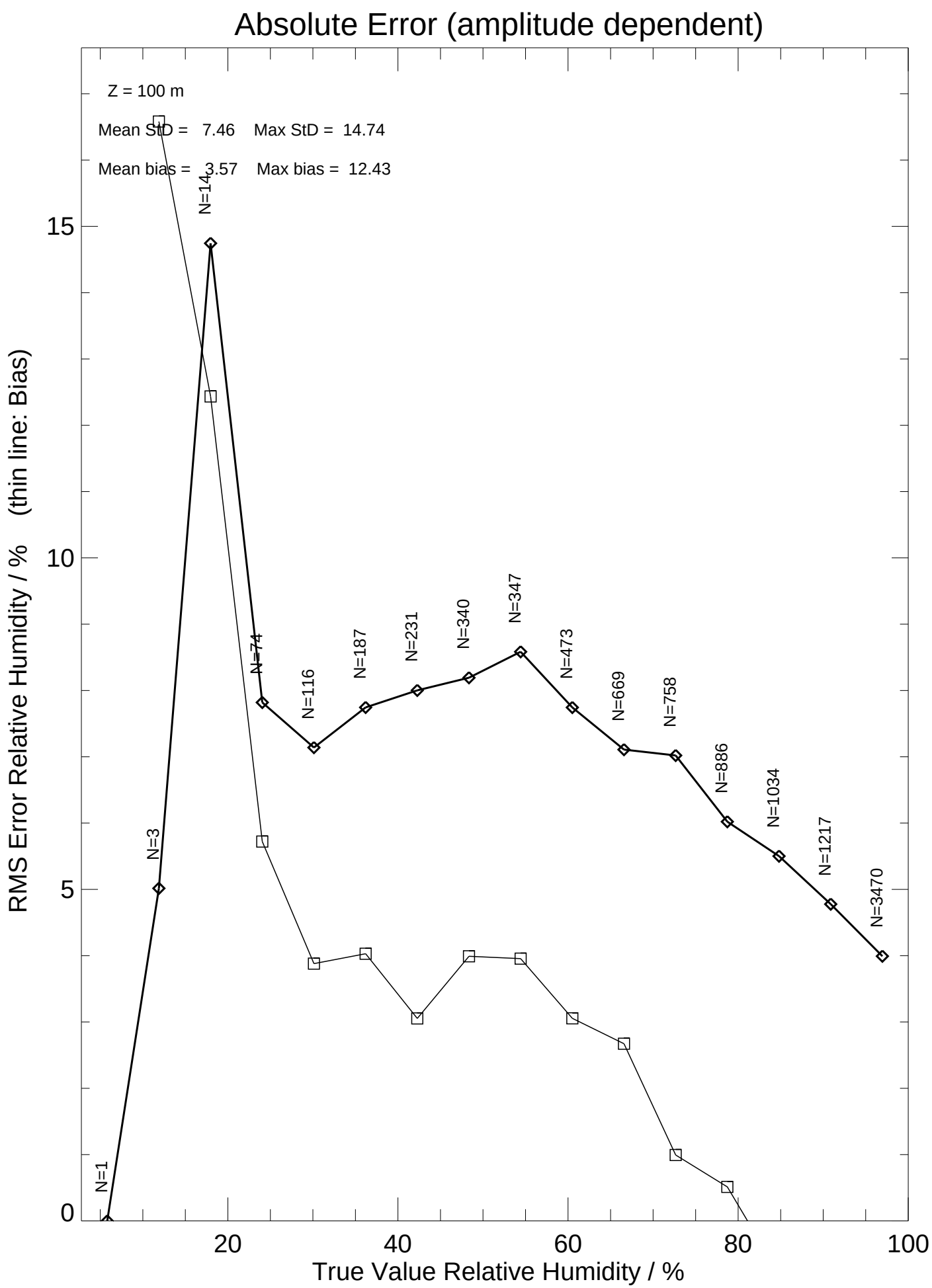

Cor=0.94669 RMS=6.12818 Bias=0.3168
Z = 75 m N2=9820
100
80
60
40
20
20
40
60
80
100

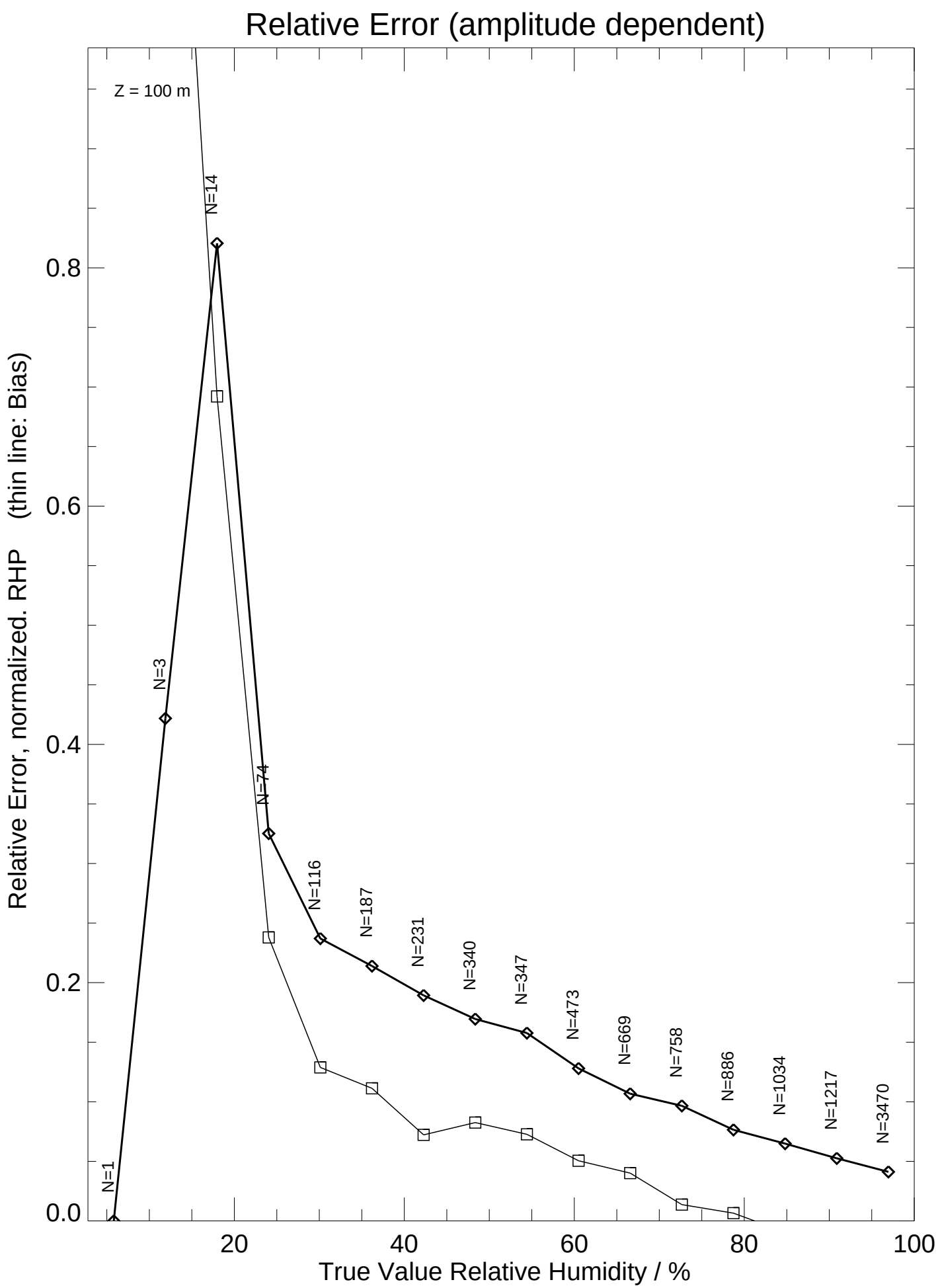

Absolute Error (amplitude dependent)
Z = 75 m
Mean StD = 6.41 Max StD = 7.83
Mean bias = 3.11 Max bias = 8.82
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=1
N=4
N=12
N=70
N=115
N=185
N=228
N=317
N=343
N=489
N=661
N=751
N=888
N=1039
N=1198
N=3519

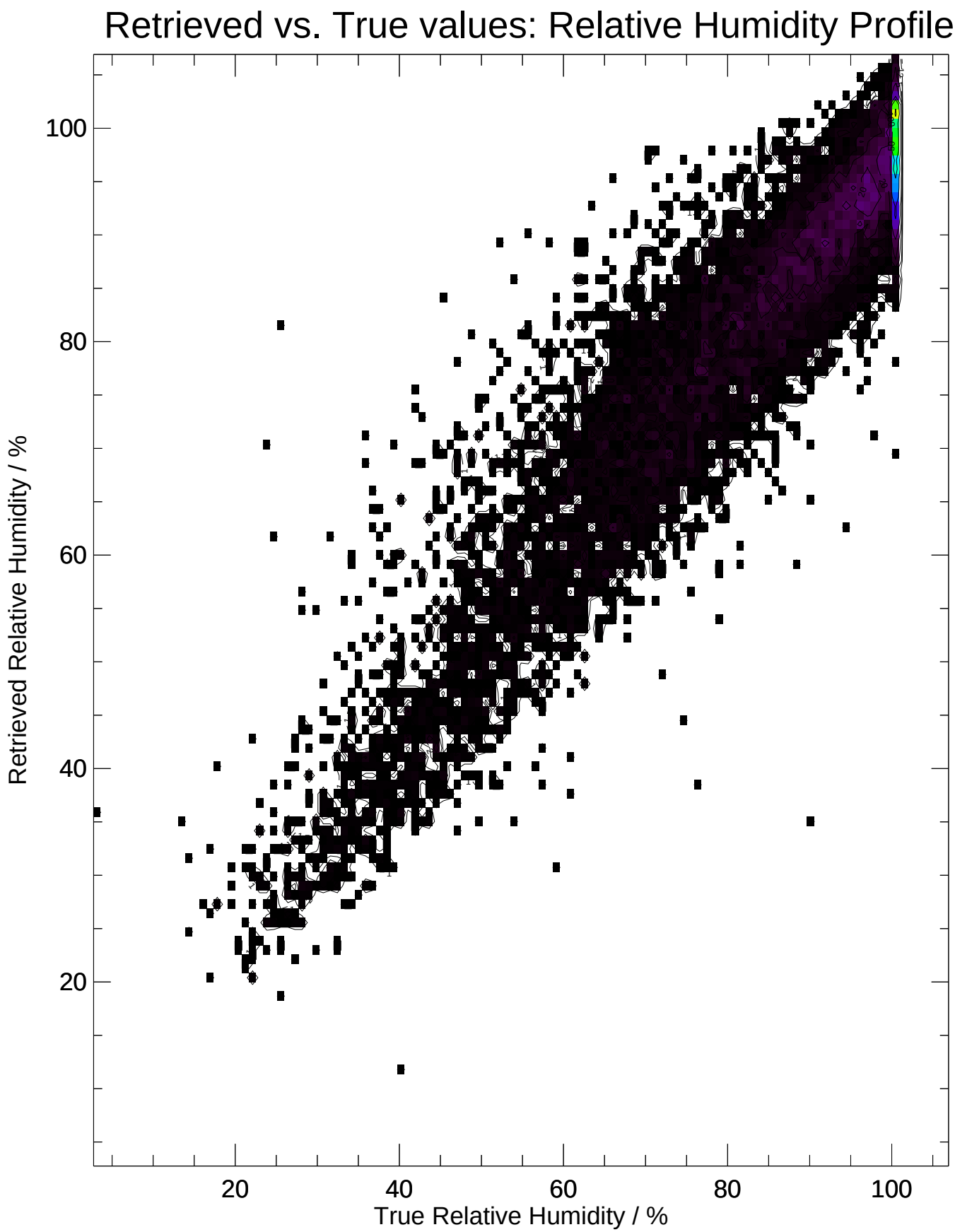

Relative Error (amplitude dependent)
Z = 75 m
N=4
N=1
N=12
N=70
N=115
N=185
N=228
N=317
N=343
N=489
N=661
N=751
N=888
N=1039
N=1198
N=3519
Relative Error, normalized. RHP (thin line: Bias)
0.0
0.5
1.0
1.5
2.0
20
40
60
80
100
True Value Relative Humidity / %

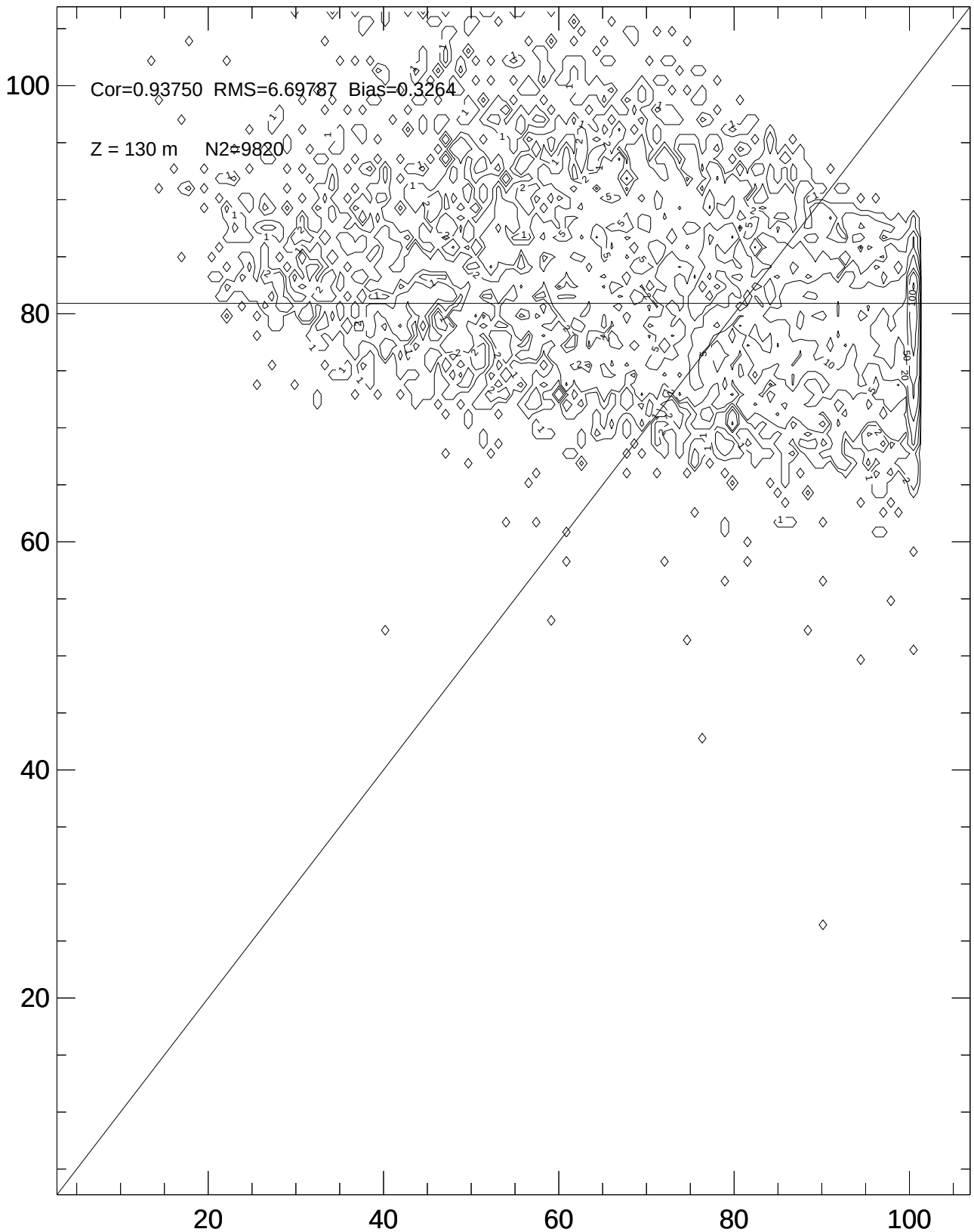

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

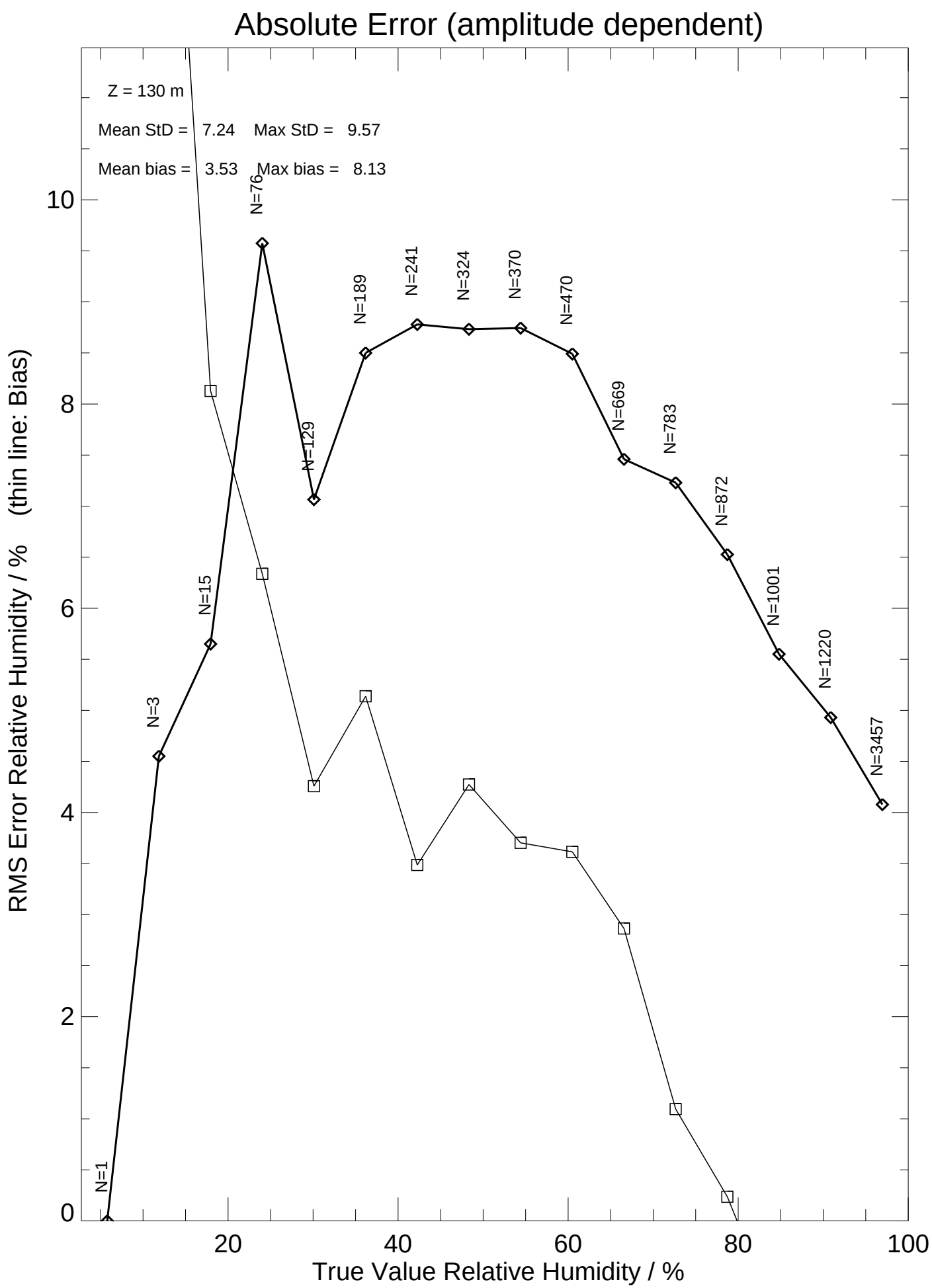

Cor=0.94278 RMS=6.37846 Bias=0.3203
Z = 100 m N2=9820
100
80
60
40
20
20
40
60
80
100

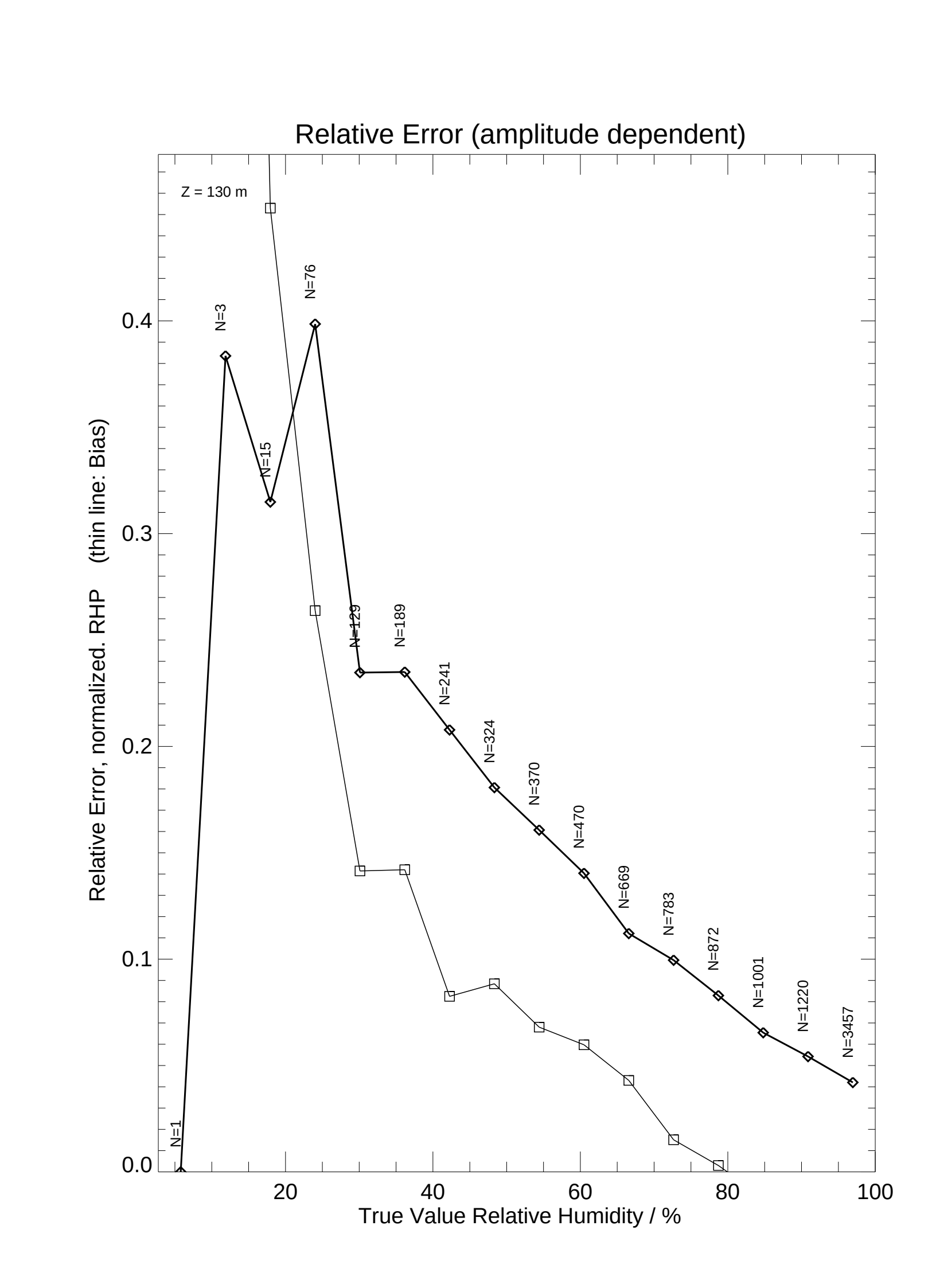

Absolute Error (amplitude dependent)
Z = 100 m
Mean StD = 7.46 Max StD = 14.74
Mean bias = 3.57 Max bias = 12.43
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
40
60
80
100
N=1
N=3
N=14
N=74
N=116
N=187
N=231
N=340
N=347
N=473
N=669
N=758
N=886
N=1034
N=1217
N=3470

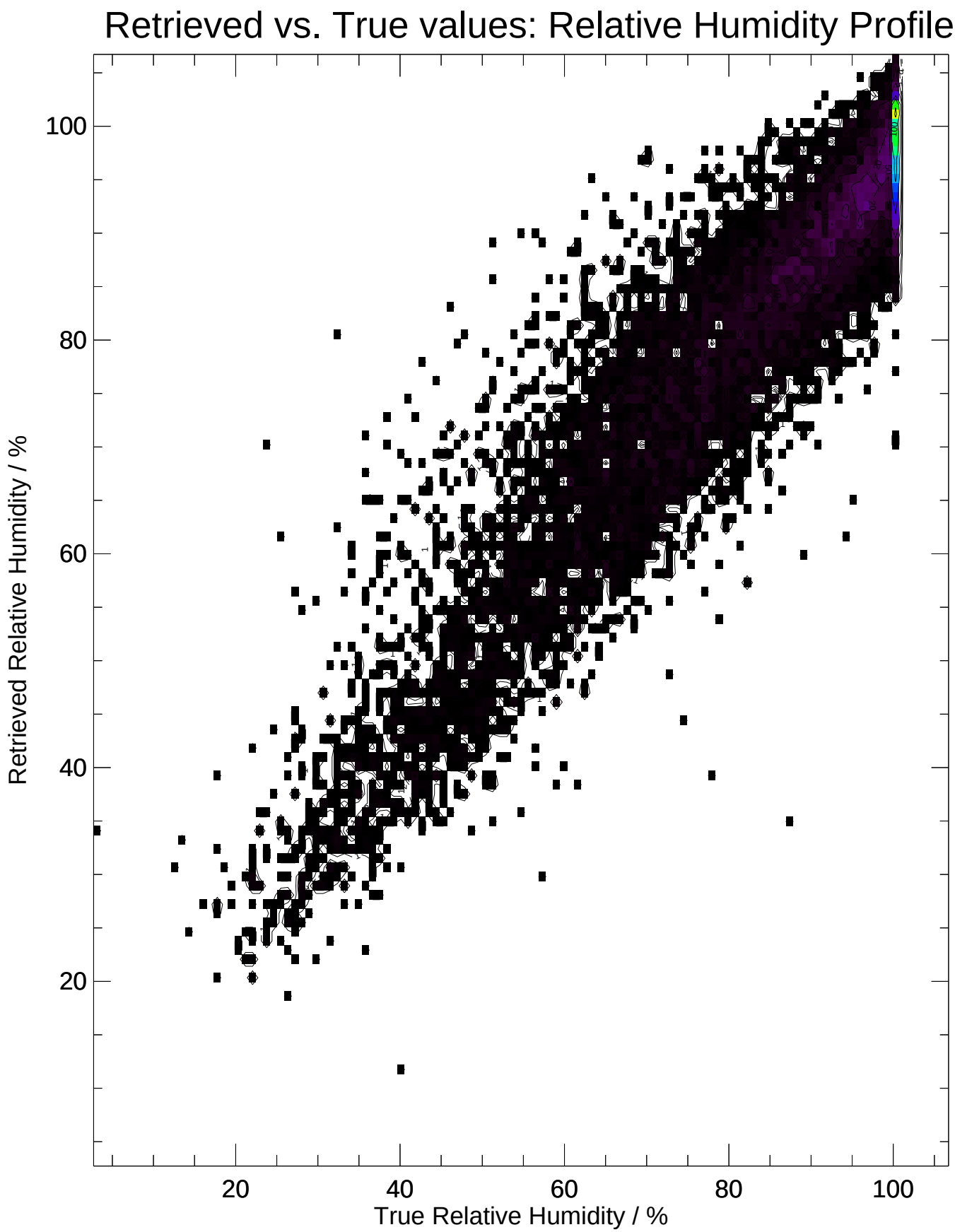

Relative Error (amplitude dependent)
Z = 100 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.2
0.4
0.6
0.8
20
40
60
80
100
N=1
N=3
N=14
N=74
N=116
N=187
N=231
N=340
N=347
N=473
N=669
N=758
N=886
N=1034
N=1217
N=3470

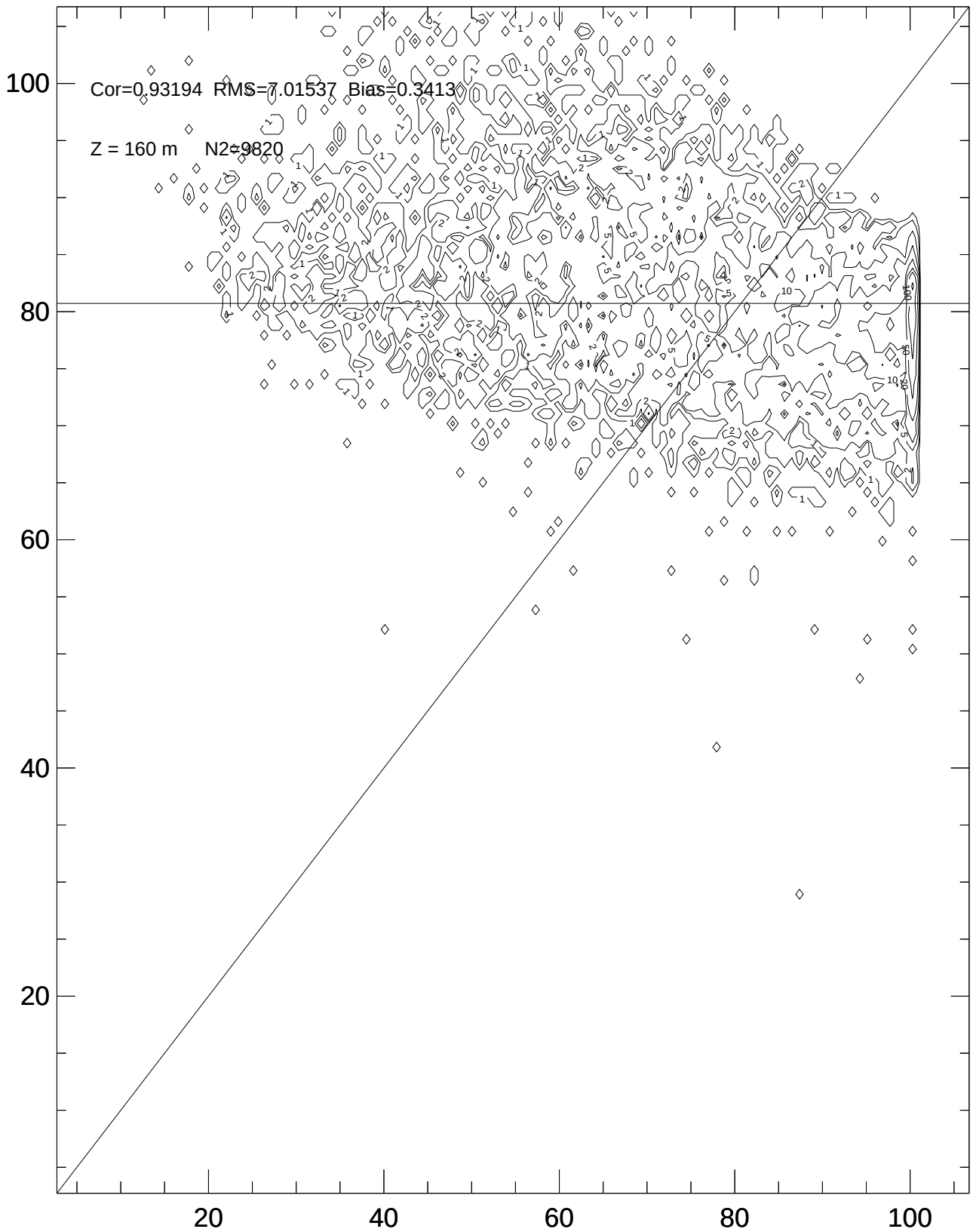

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

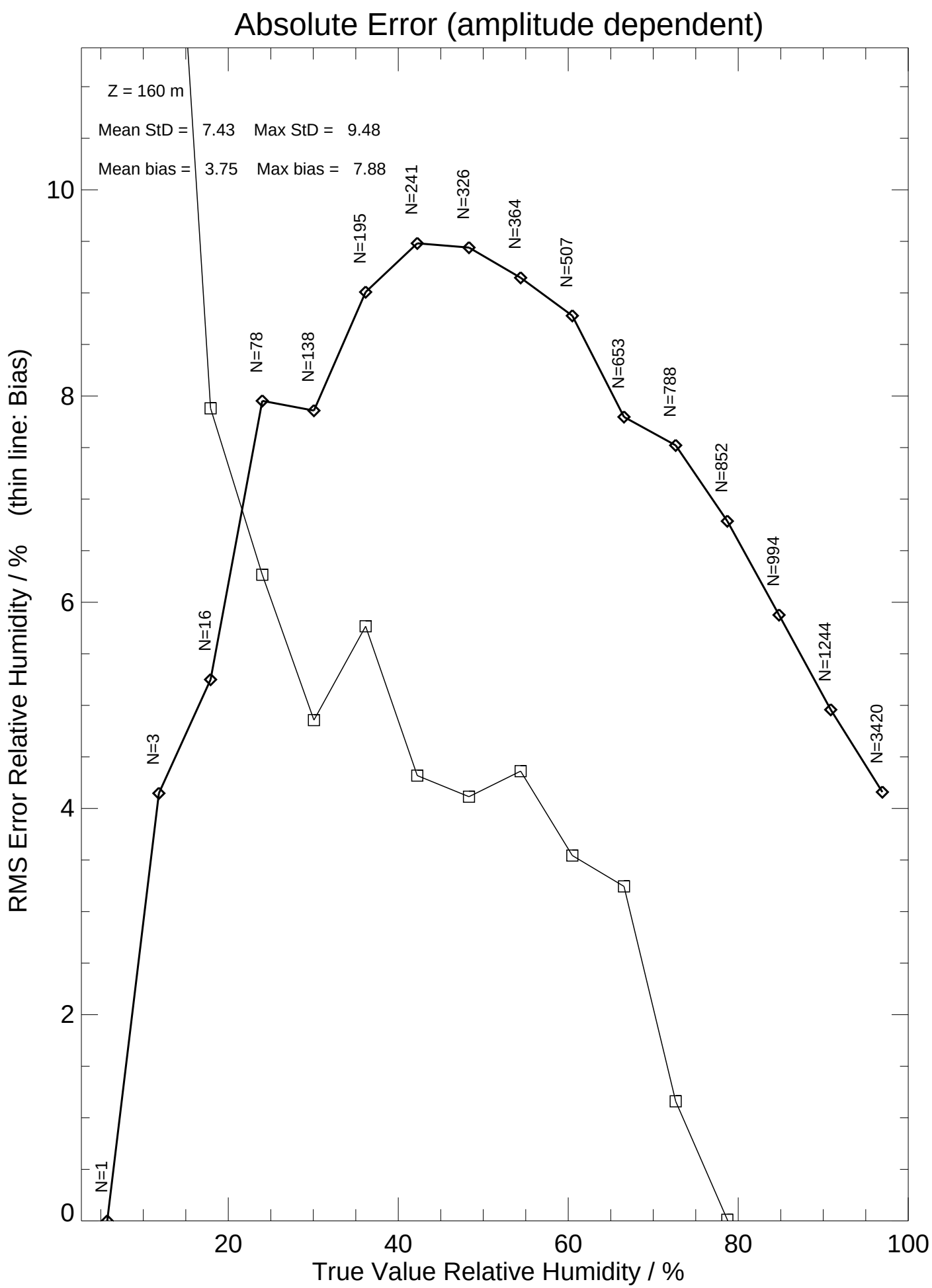

Cor=0.93750 RMS=6.69787 Bias=0.3264
Z = 130 m N2=9820
100
80
60
40
20
20
40
60
80
100

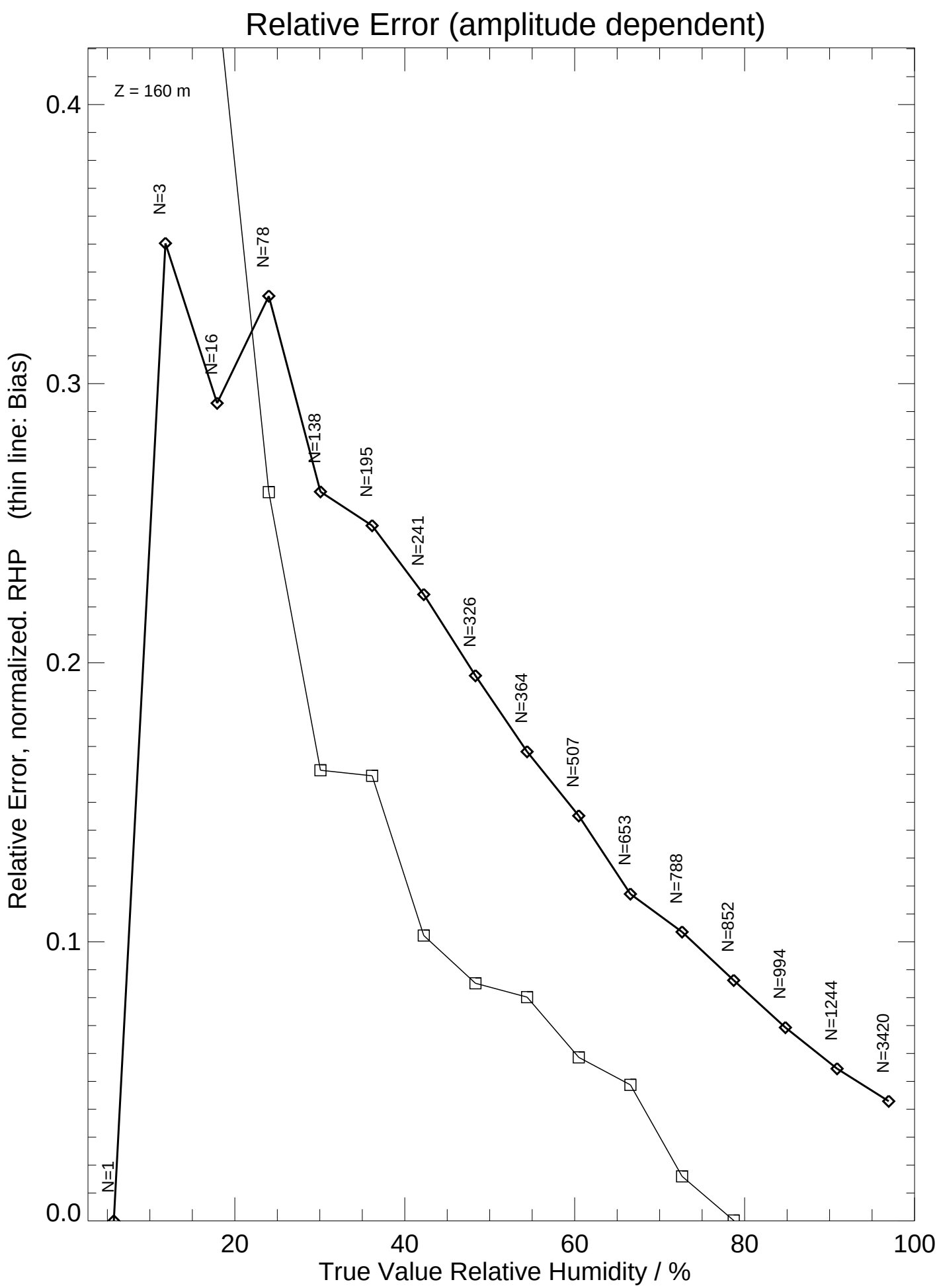

Absolute Error (amplitude dependent)
Z = 130 m
Mean StD = 7.24 Max StD = 9.57
Mean bias = 3.53 Max bias = 8.13
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=1
N=3
N=15
N=76
N=129
N=189
N=241
N=324
N=370
N=470
N=669
N=783
N=872
N=1001
N=1220
N=3457

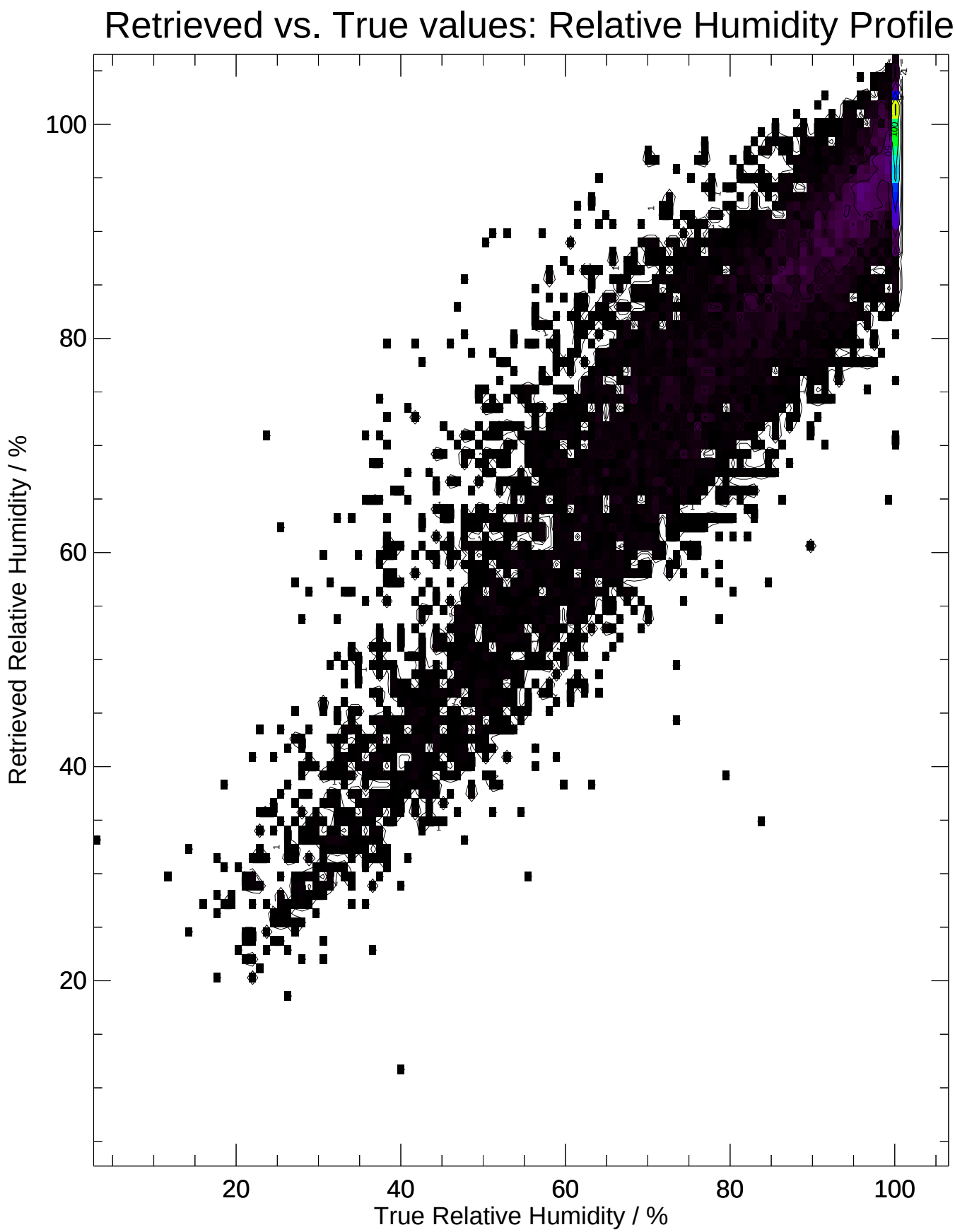

Relative Error (amplitude dependent)
Z = 130 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
20
40
60
80
100
N=1
N=3
N=15
N=76
N=129
N=189
N=241
N=324
N=370
N=470
N=669
N=783
N=872
N=1001
N=1220
N=3457

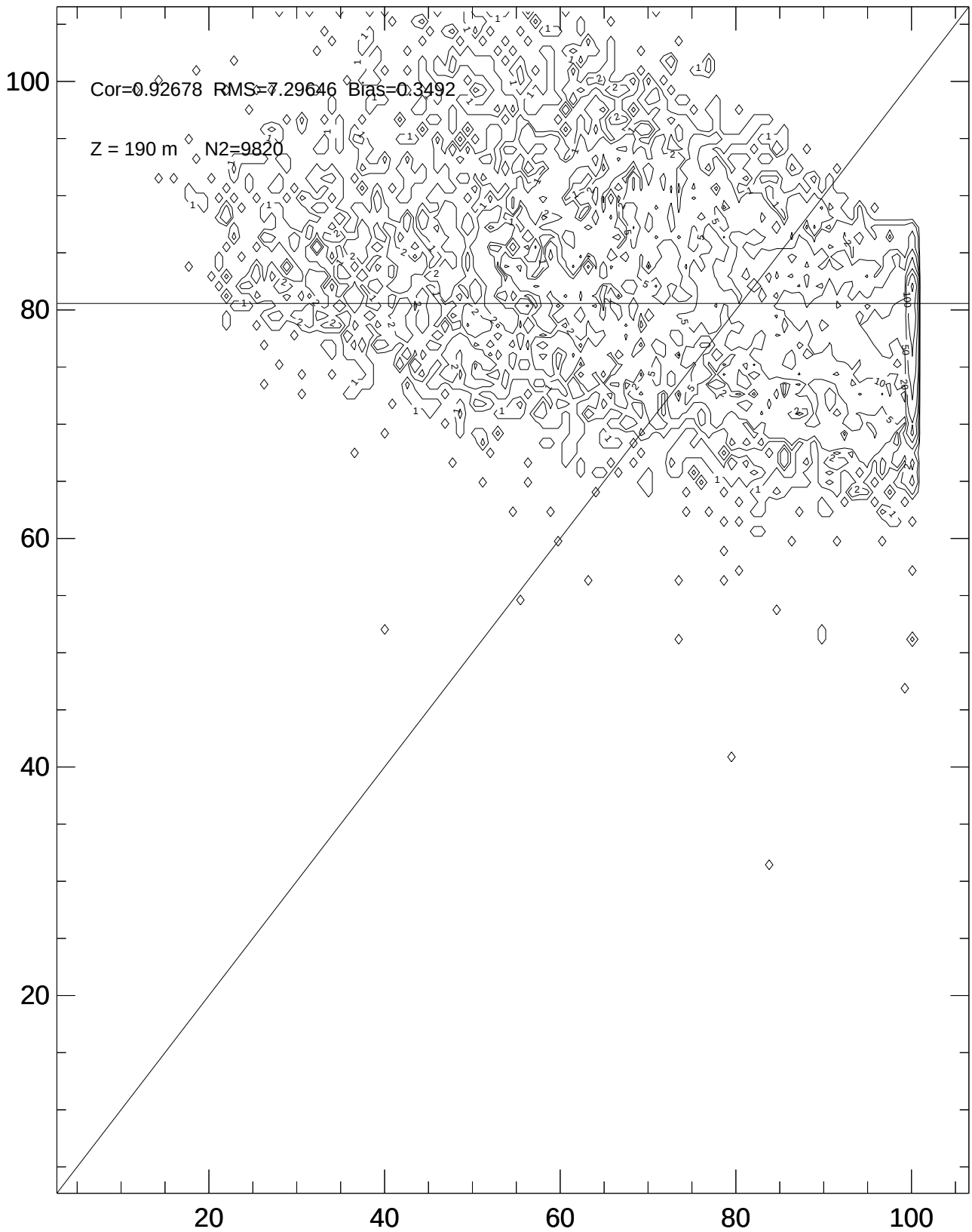

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

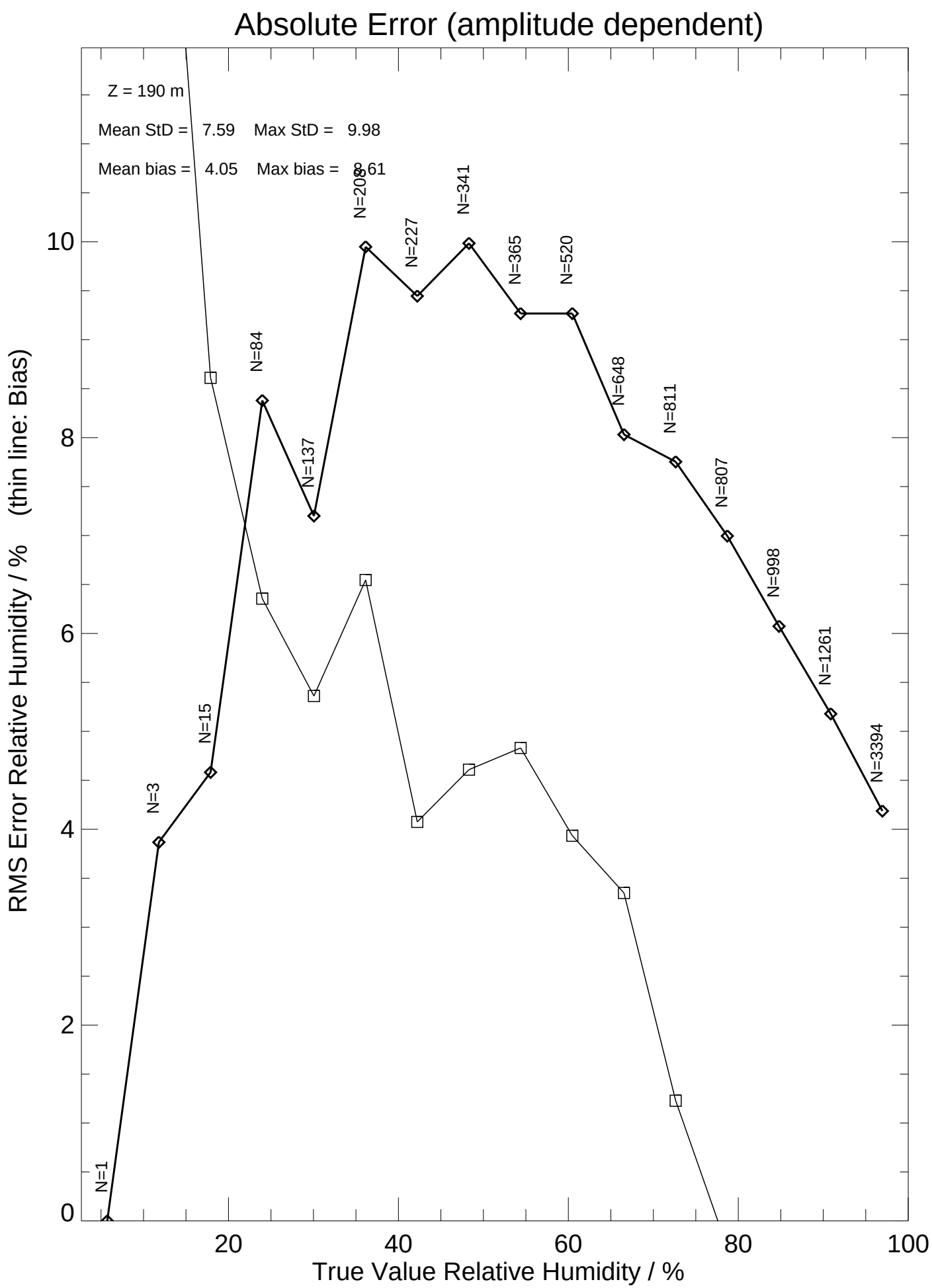

Cor=0.93194 RMS=7.01537 Bias=0.34130
Z = 160 m N2=9820
100
80
60
40
20
20
40
60
80
100

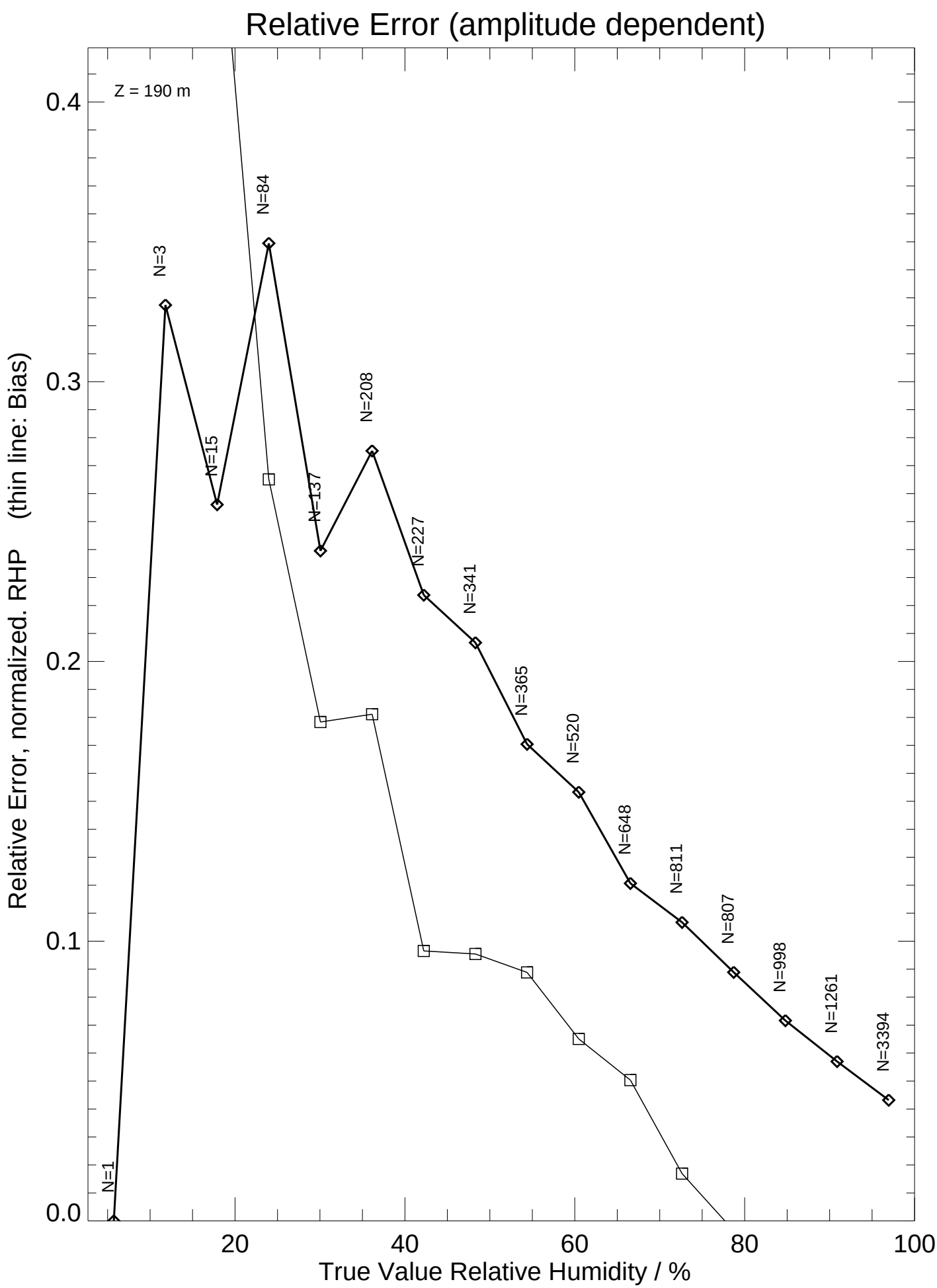

Absolute Error (amplitude dependent)
Z = 160 m
Mean StD = 7.43 Max StD = 9.48
Mean bias = 3.75 Max bias = 7.88
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=1
N=3
N=16
N=78
N=138
N=195
N=241
N=326
N=364
N=507
N=653
N=788
N=852
N=994
N=1244
N=3420

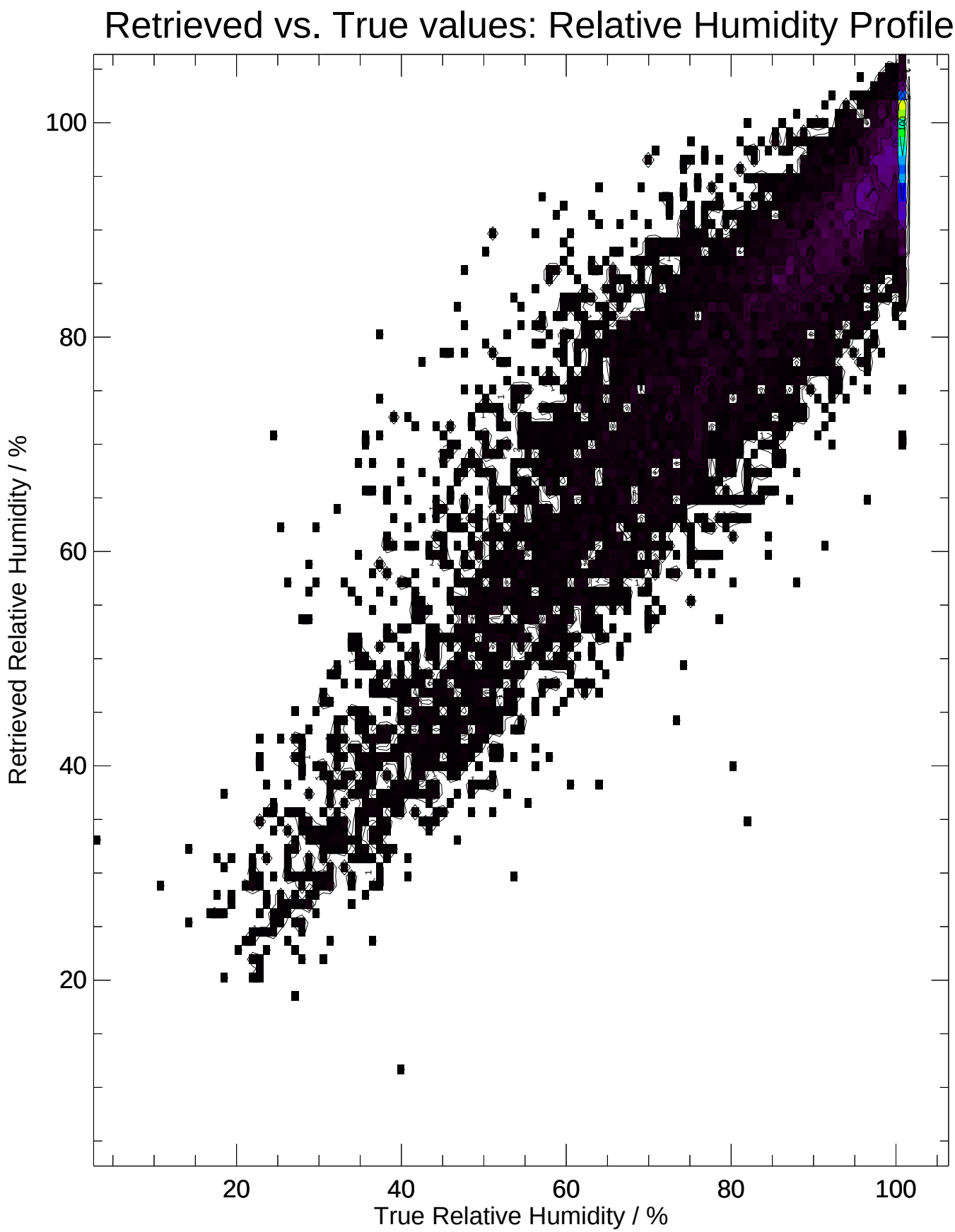

Relative Error (amplitude dependent)
Z = 160 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
20
40
60
80
100
N=1
N=3
N=16
N=78
N=138
N=195
N=241
N=326
N=364
N=507
N=653
N=788
N=852
N=994
N=1244
N=3420

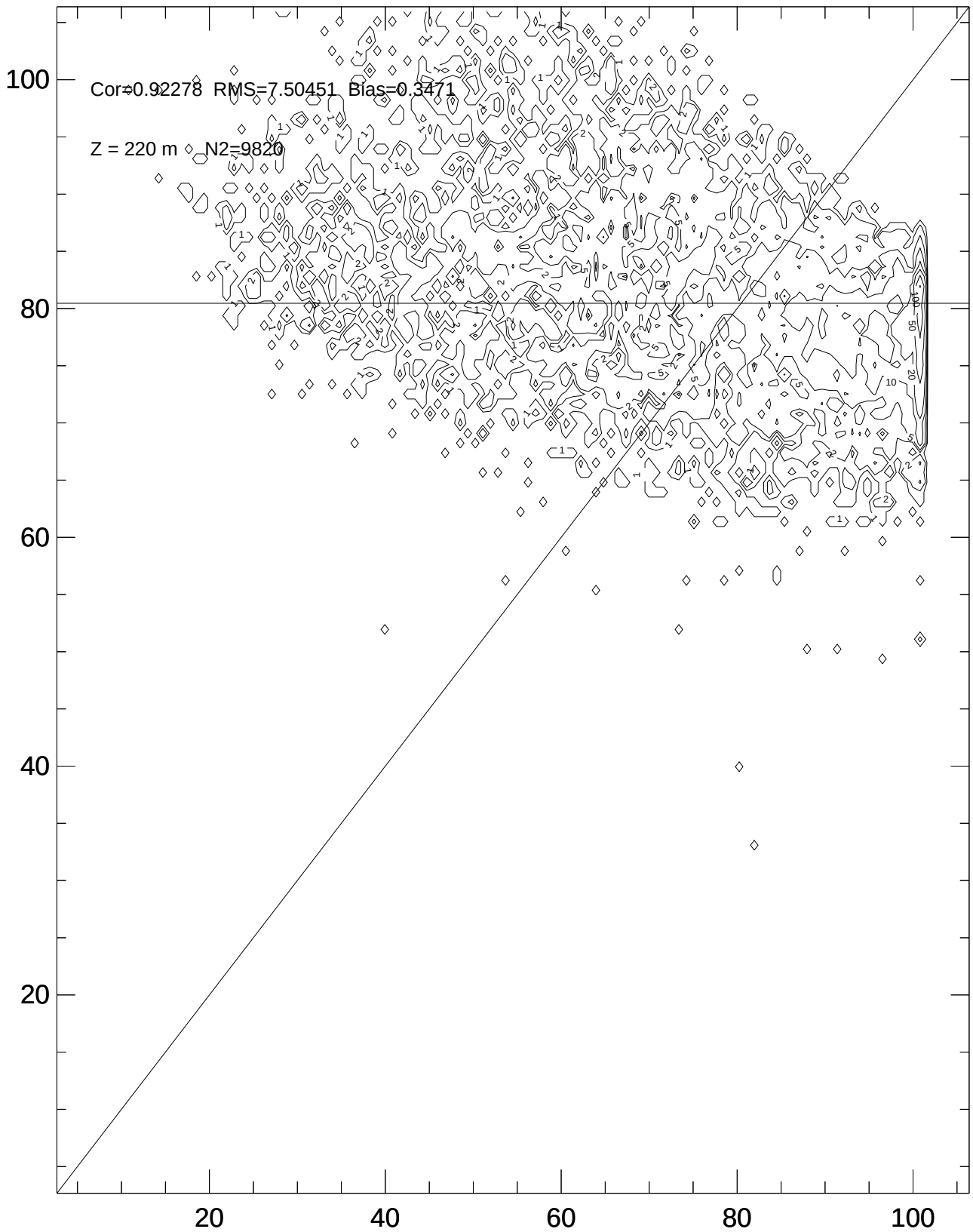

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

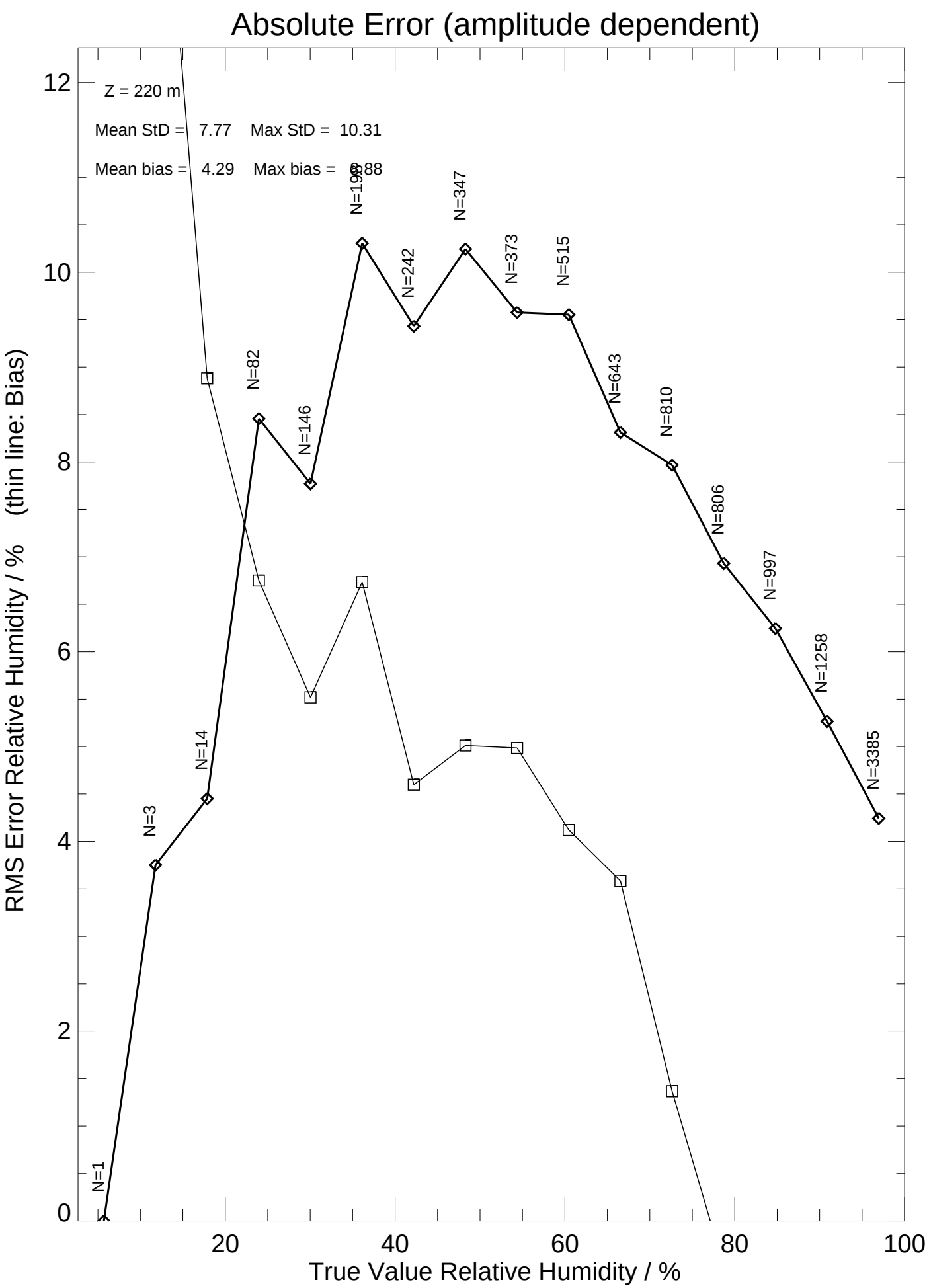

Cor=0.92678 RMS=7.29646 Bias=0.3492
Z = 190 m N2=9820
100
80
60
40
20
20
40
60
80
100

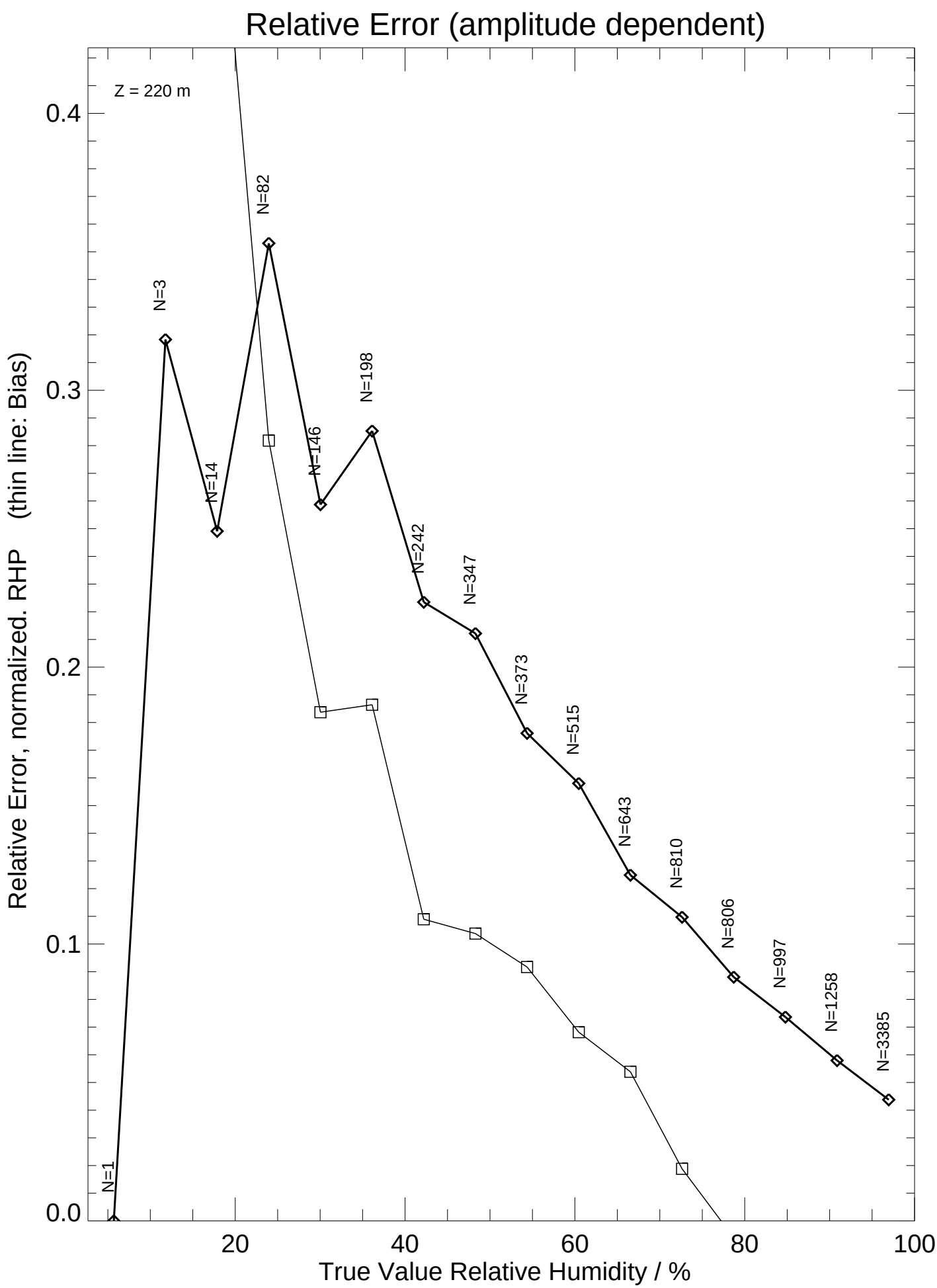

Absolute Error (amplitude dependent)
Z = 190 m
Mean StD = 7.59 Max StD = 9.98
Mean bias = 4.05 Max bias = 8.61
N=1
N=3
N=15
N=84
N=137
N=208
N=227
N=341
N=365
N=520
N=648
N=811
N=807
N=998
N=1261
N=3394
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100

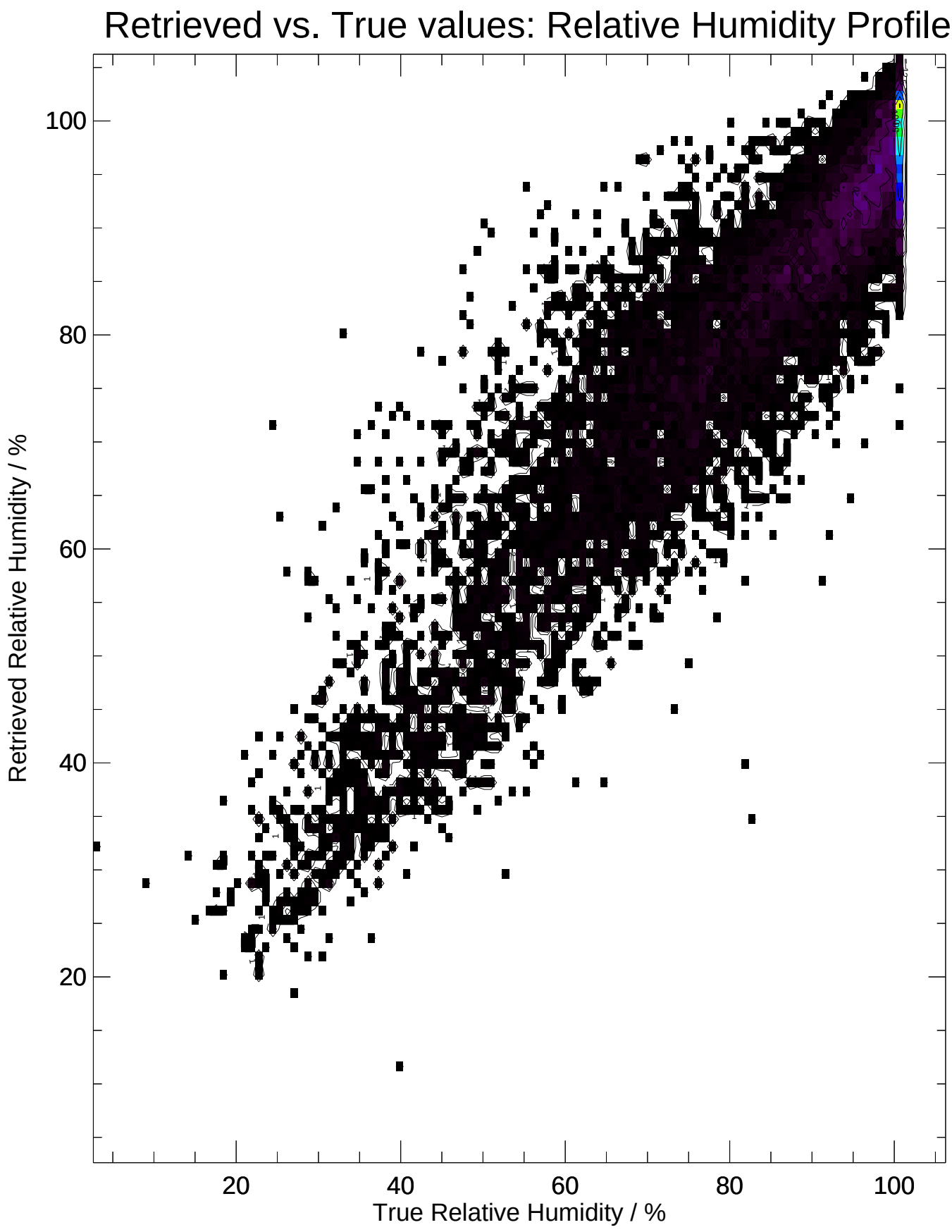

Relative Error (amplitude dependent)
Z = 190 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
20
40
60
80
100
N=1
N=3
N=15
N=84
N=137
N=208
N=227
N=341
N=365
N=520
N=648
N=811
N=807
N=998
N=1261
N=3394

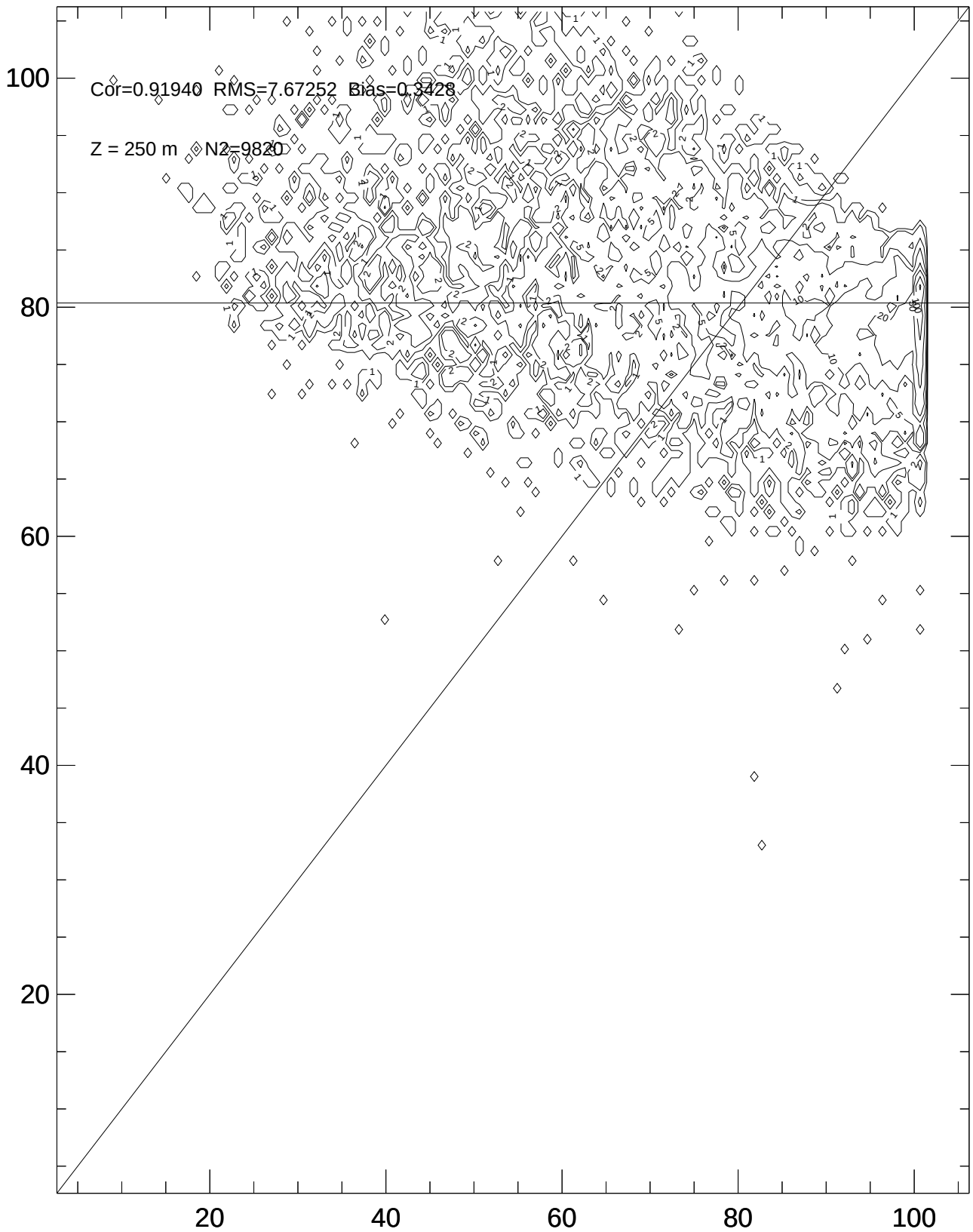

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

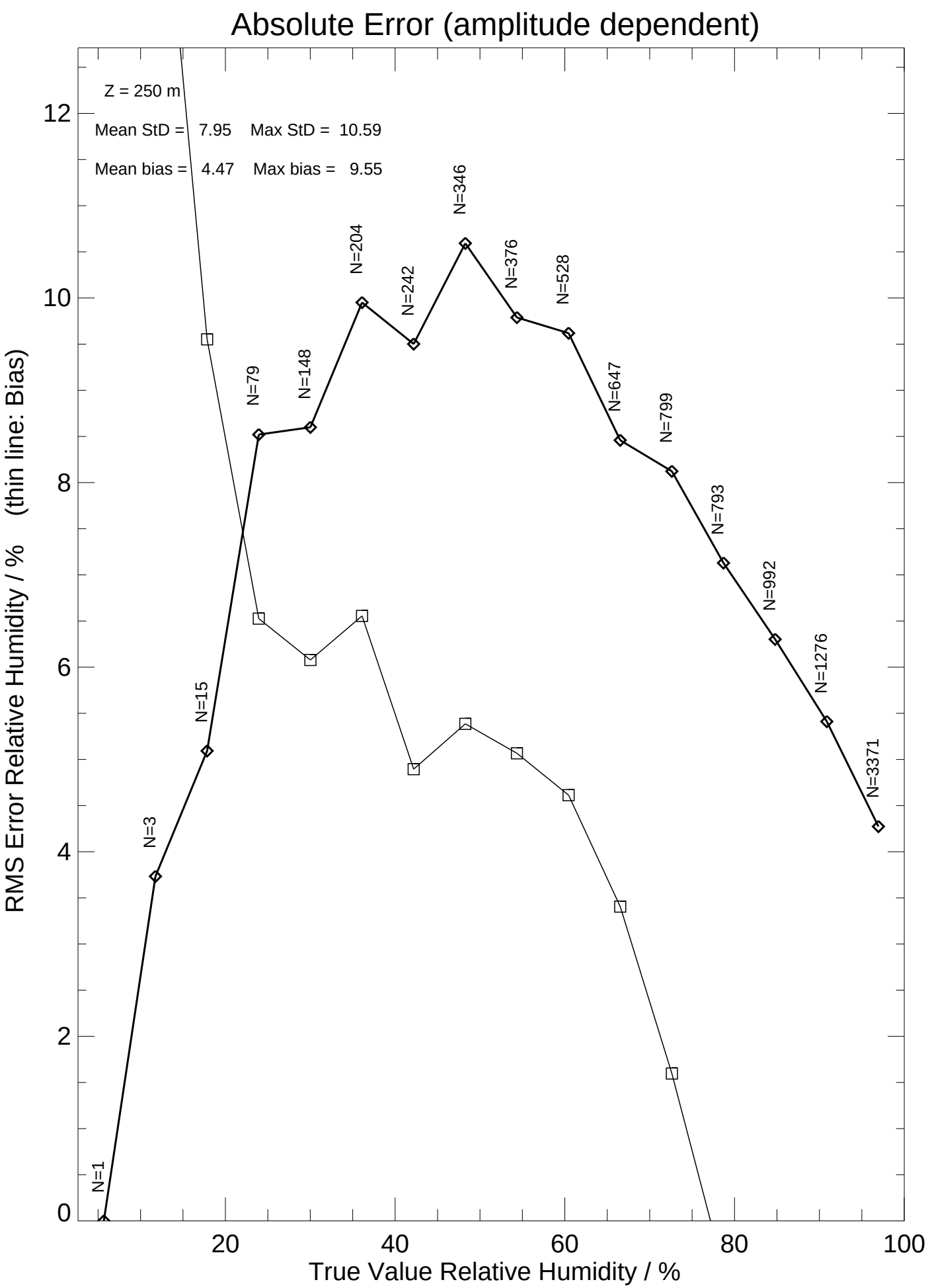

Cor=0.92278 RMS=7.50451 Bias=0.3471
Z = 220 m N2=9820
100
80
60
40
20
20
40
60
80
100

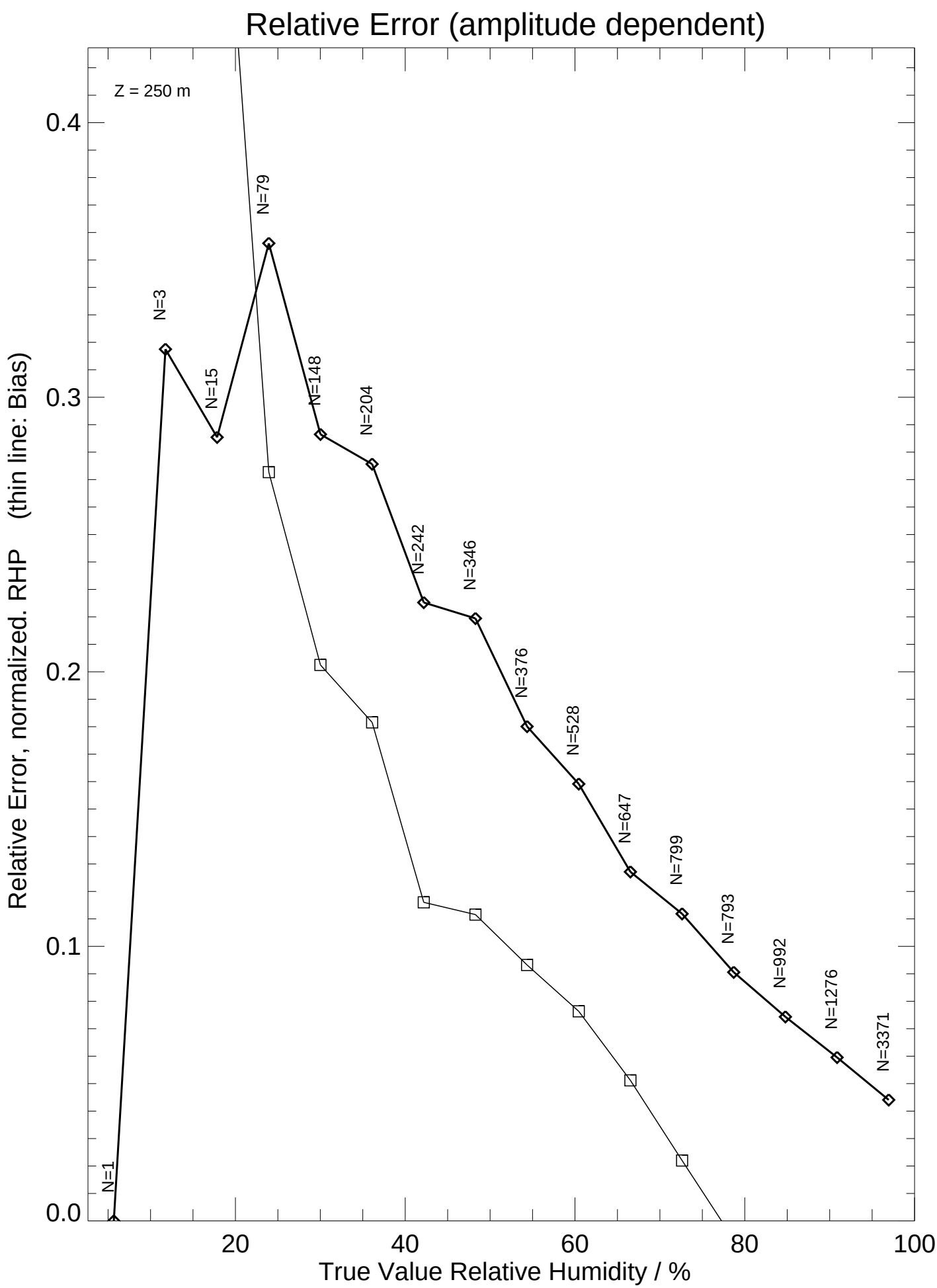

Absolute Error (amplitude dependent)
Z = 220 m
Mean StD = 7.77 Max StD = 10.31
Mean bias = 4.29 Max bias = 8.88
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
12
20
40
60
80
100
N=1
N=3
N=14
N=82
N=146
N=198
N=242
N=347
N=373
N=515
N=643
N=810
N=806
N=997
N=1258
N=3385

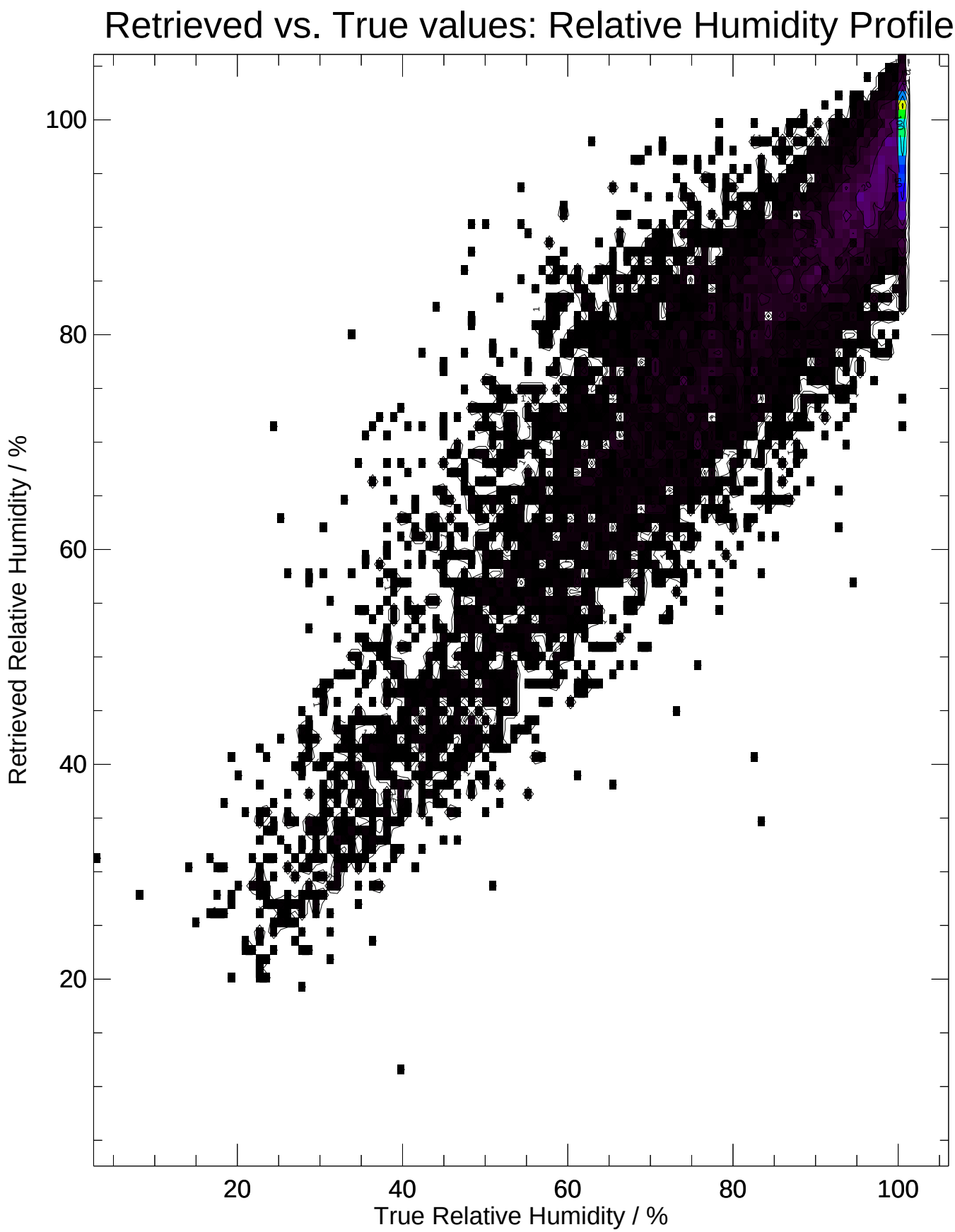

Relative Error (amplitude dependent)
Z = 220 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
20
40
60
80
100
N=1
N=3
N=14
N=82
N=146
N=198
N=242
N=347
N=373
N=515
N=643
N=810
N=806
N=997
N=1258
N=3385

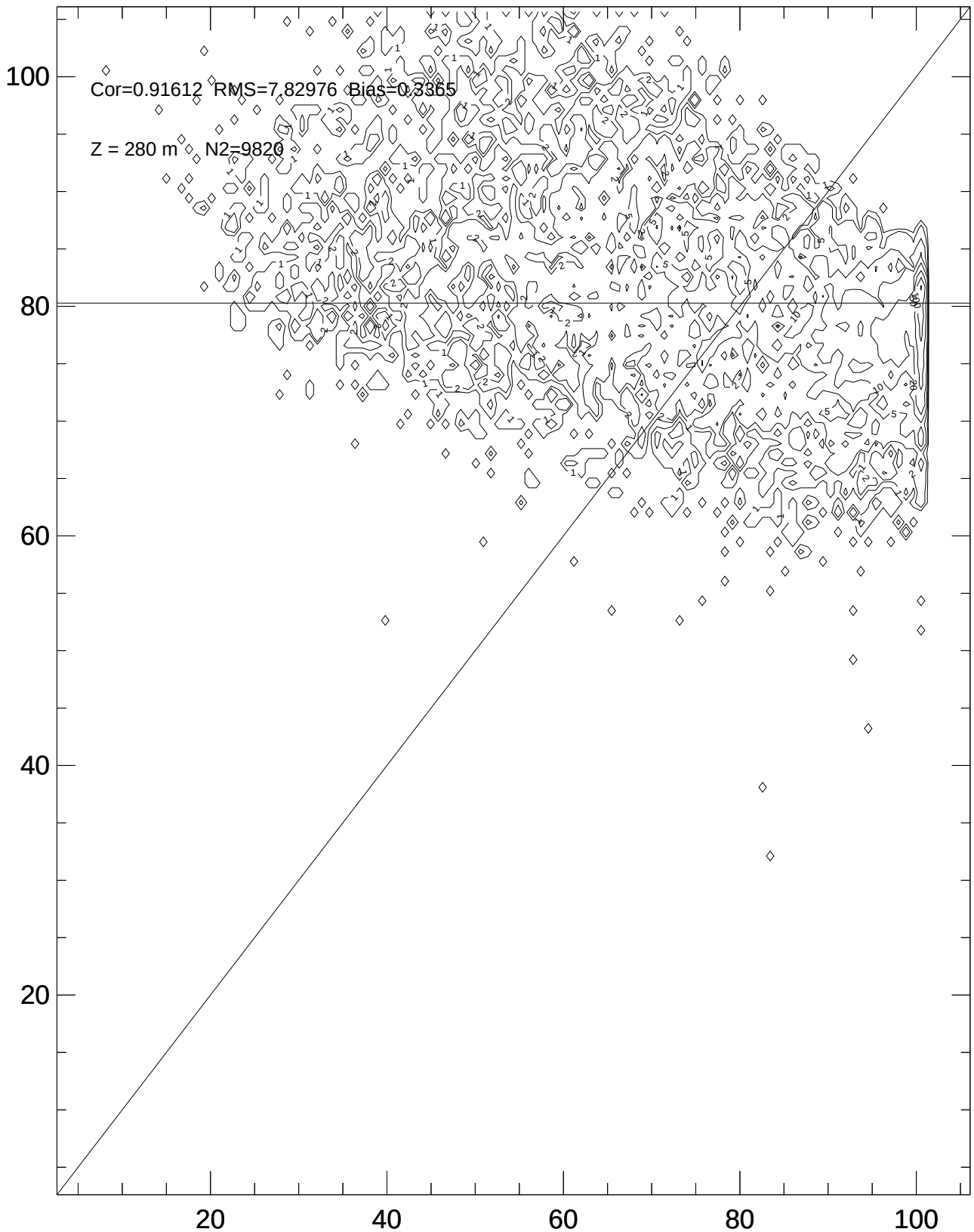

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

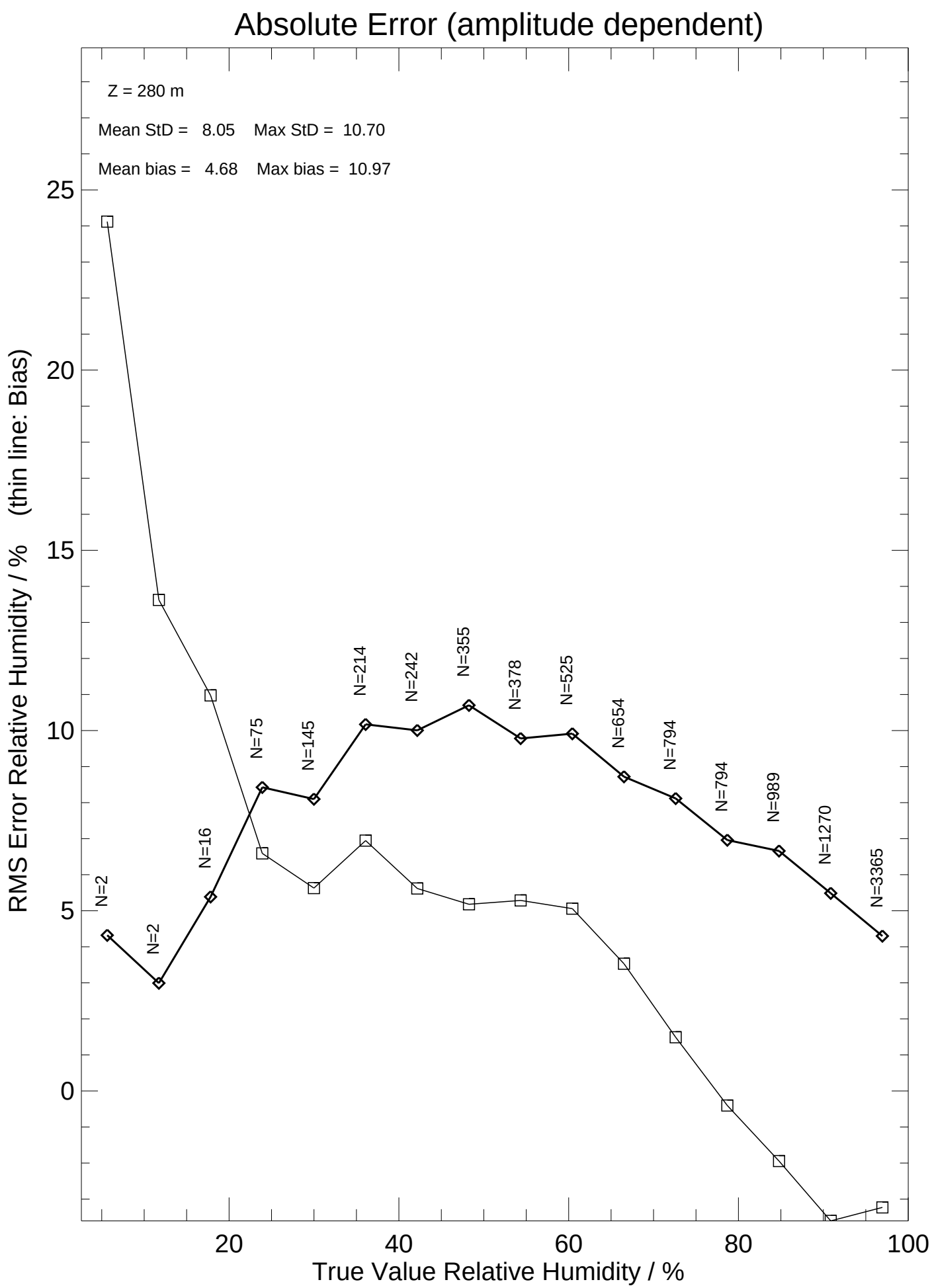

Cor=0.91940 RMS=7.67252 Bias=0.3428
Z = 250 m N2=9820
100
80
60
40
20
20
40
60
80
100

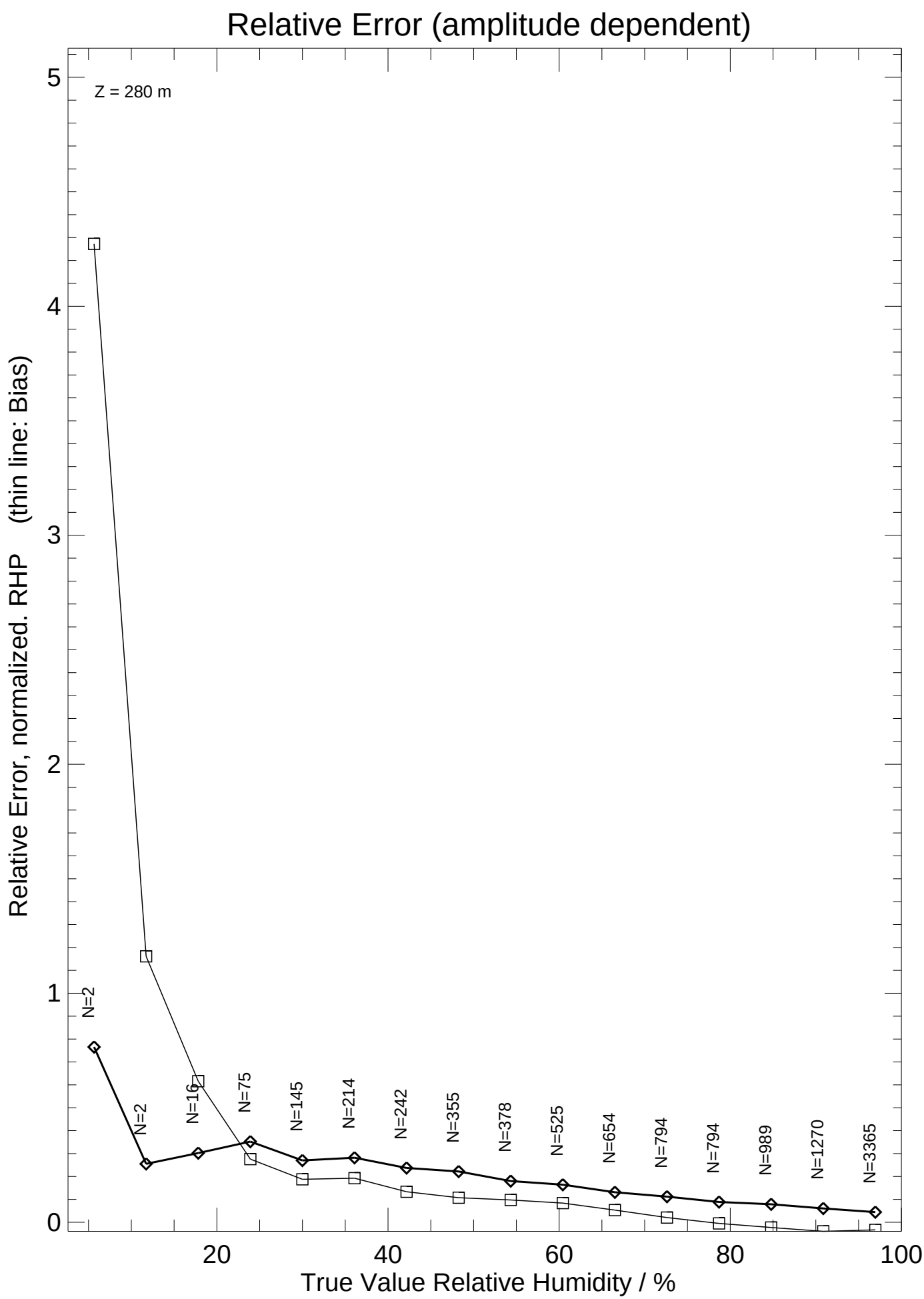

Absolute Error (amplitude dependent)
Z = 250 m
Mean StD = 7.95 Max StD = 10.59
Mean bias = 4.47 Max bias = 9.55
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
12
20
40
60
80
100
N=1
N=3
N=15
N=79
N=148
N=204
N=242
N=346
N=376
N=528
N=647
N=799
N=793
N=992
N=1276
N=3371

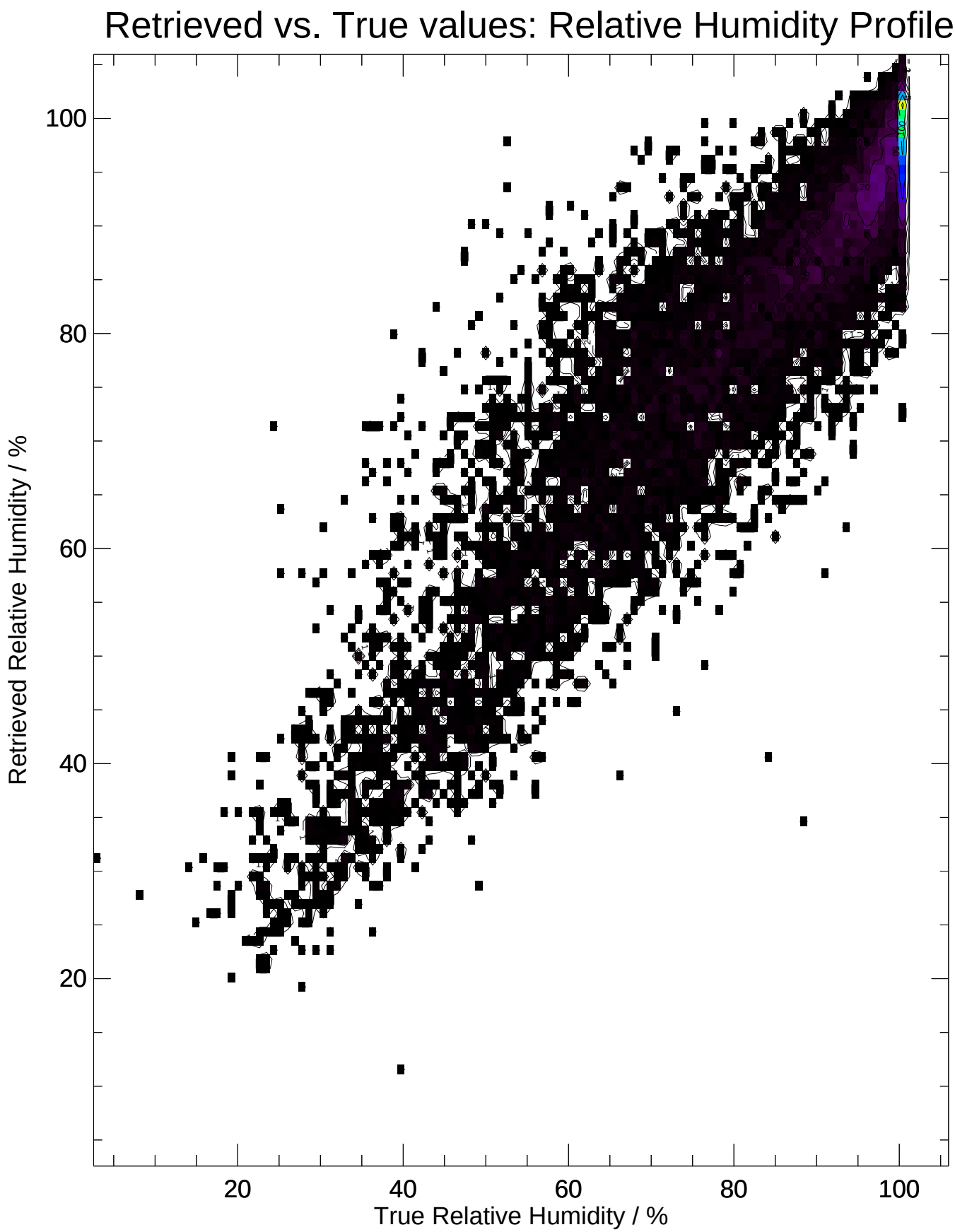

Relative Error (amplitude dependent)
Z = 250 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0.0
0.1
0.2
0.3
0.4
20
40
60
80
100
N=1
N=3
N=15
N=79
N=148
N=204
N=242
N=346
N=376
N=528
N=647
N=799
N=793
N=992
N=1276
N=3371

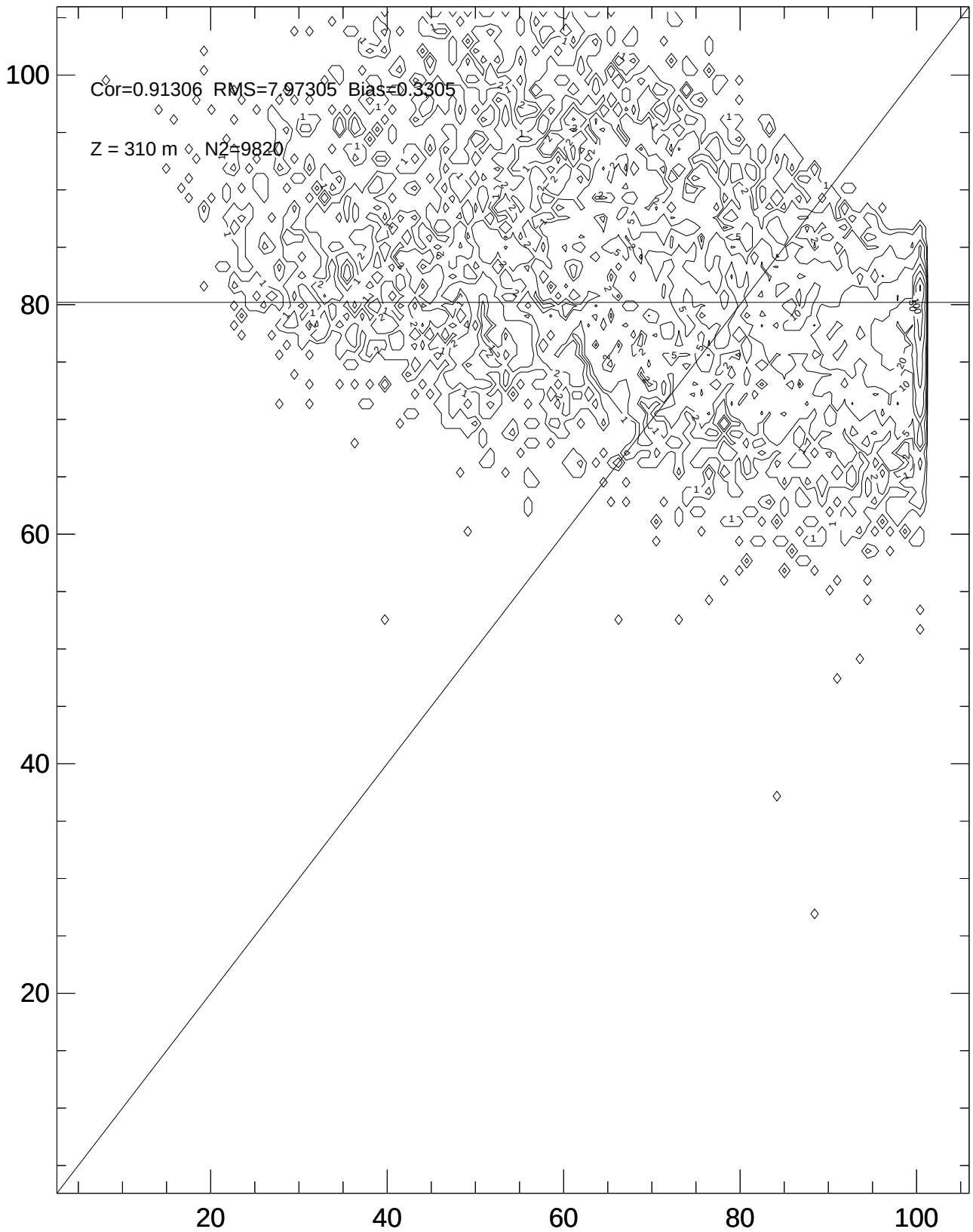

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

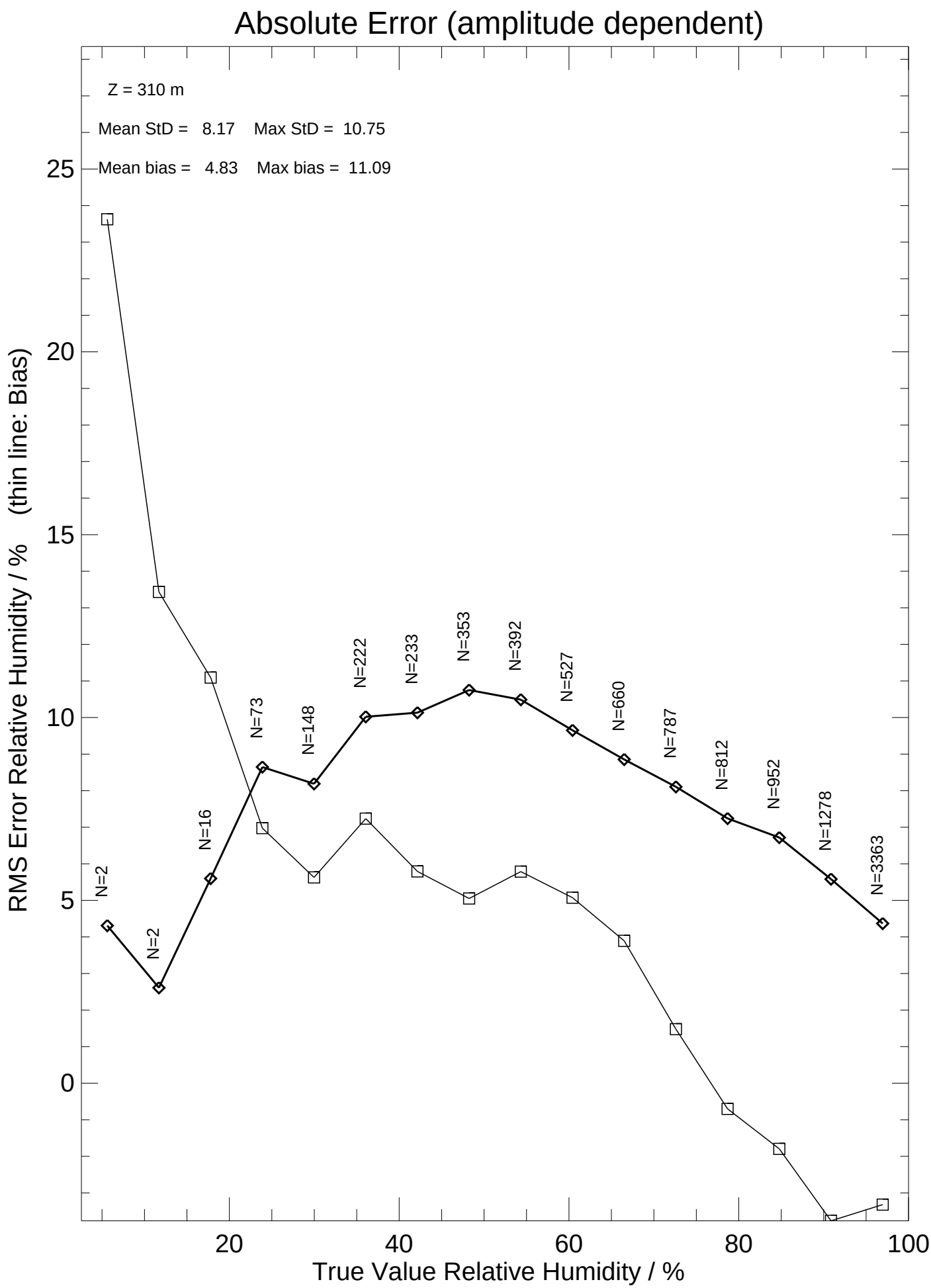

Cor=0.91612 RMS=7.82976 Bias=0.3365
Z = 280 m N2=9820
100
80
60
40
20
20
40
60
80
100

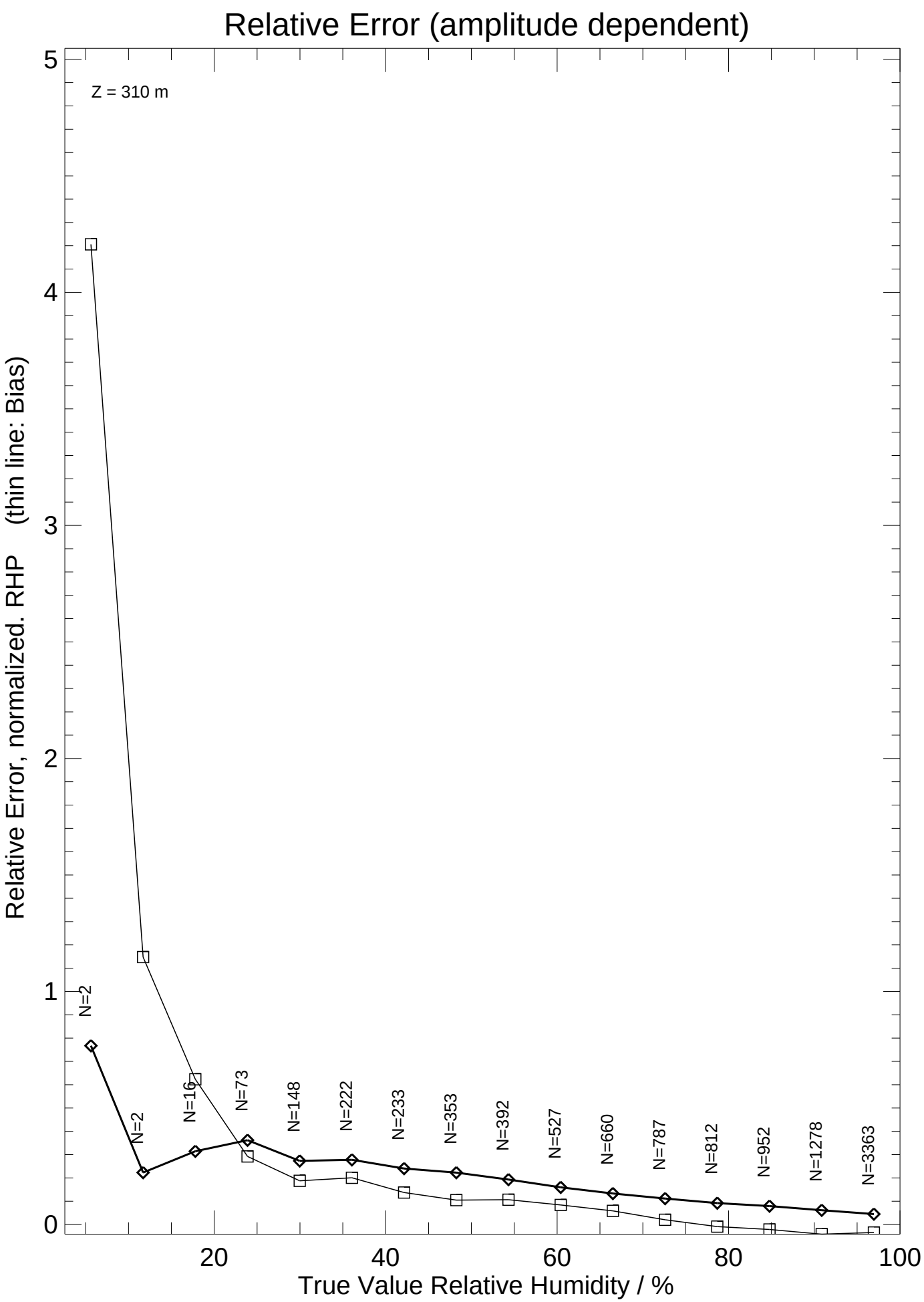

Absolute Error (amplitude dependent)
Z = 280 m
Mean StD = 8.05 Max StD = 10.70
Mean bias = 4.68 Max bias = 10.97
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=2
N=2
N=16
N=75
N=145
N=214
N=242
N=355
N=378
N=525
N=654
N=794
N=794
N=989
N=1270
N=3365

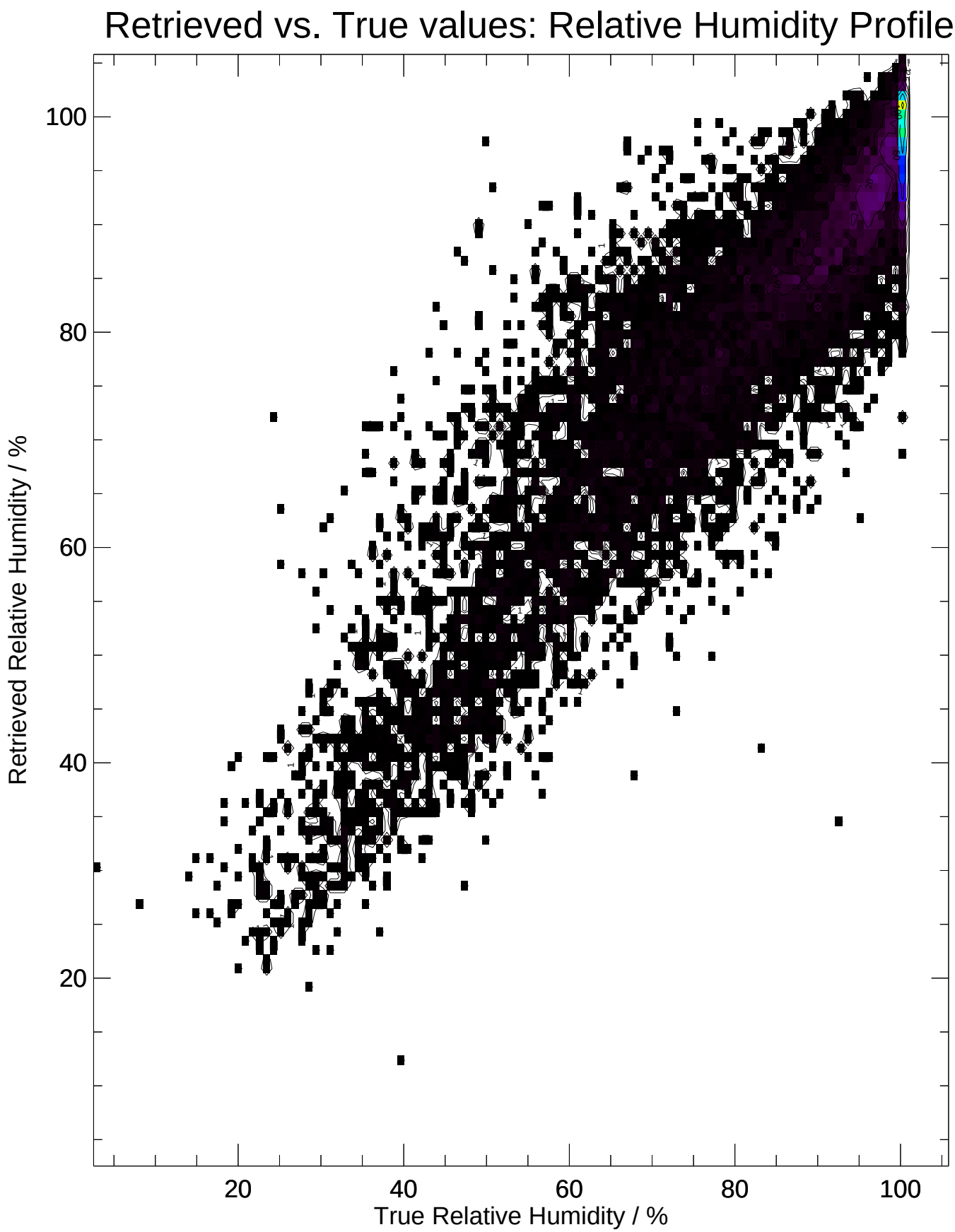

Relative Error (amplitude dependent)
Z = 280 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=2
N=2
N=16
N=75
N=145
N=214
N=242
N=355
N=378
N=525
N=654
N=794
N=794
N=989
N=1270
N=3365

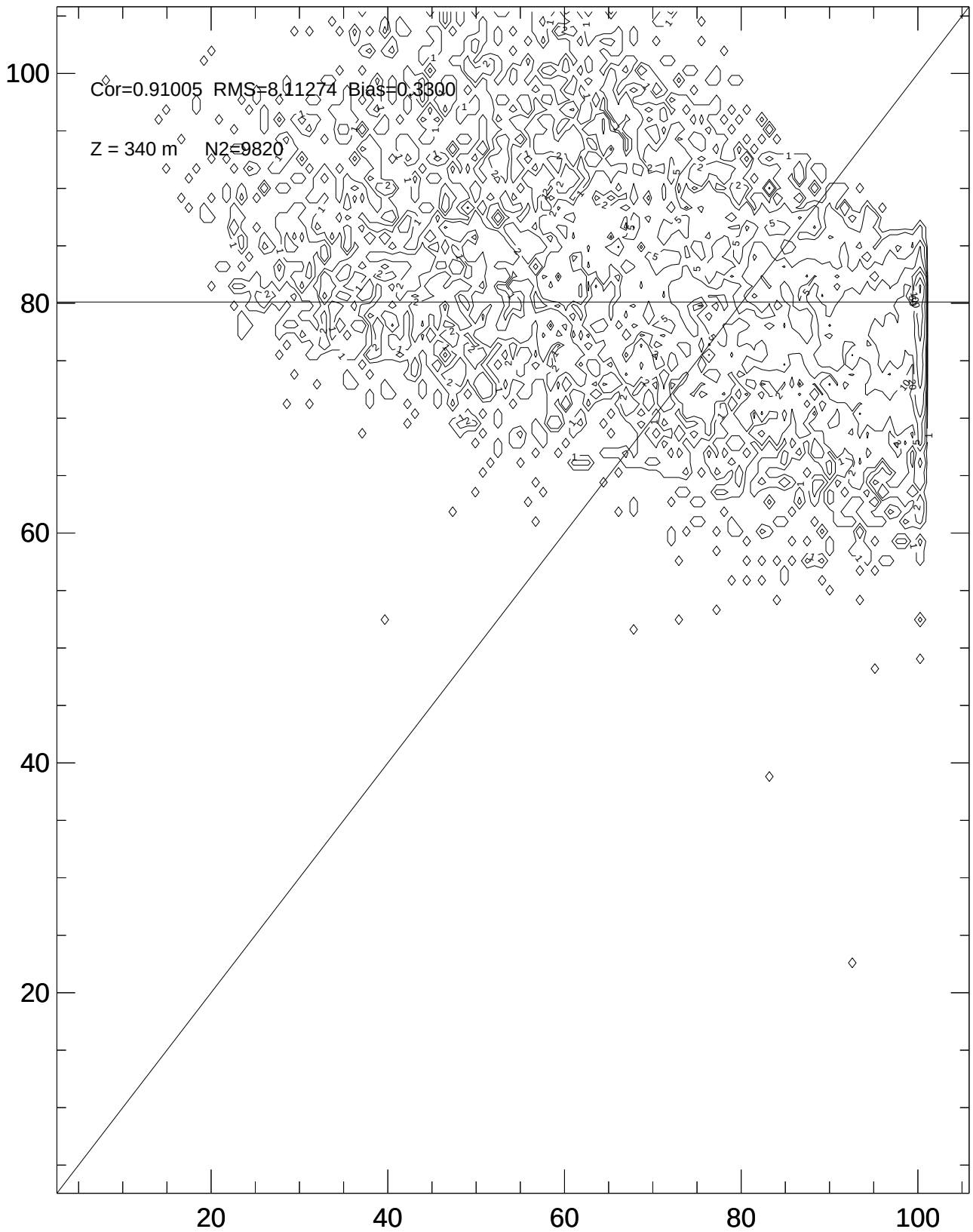

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

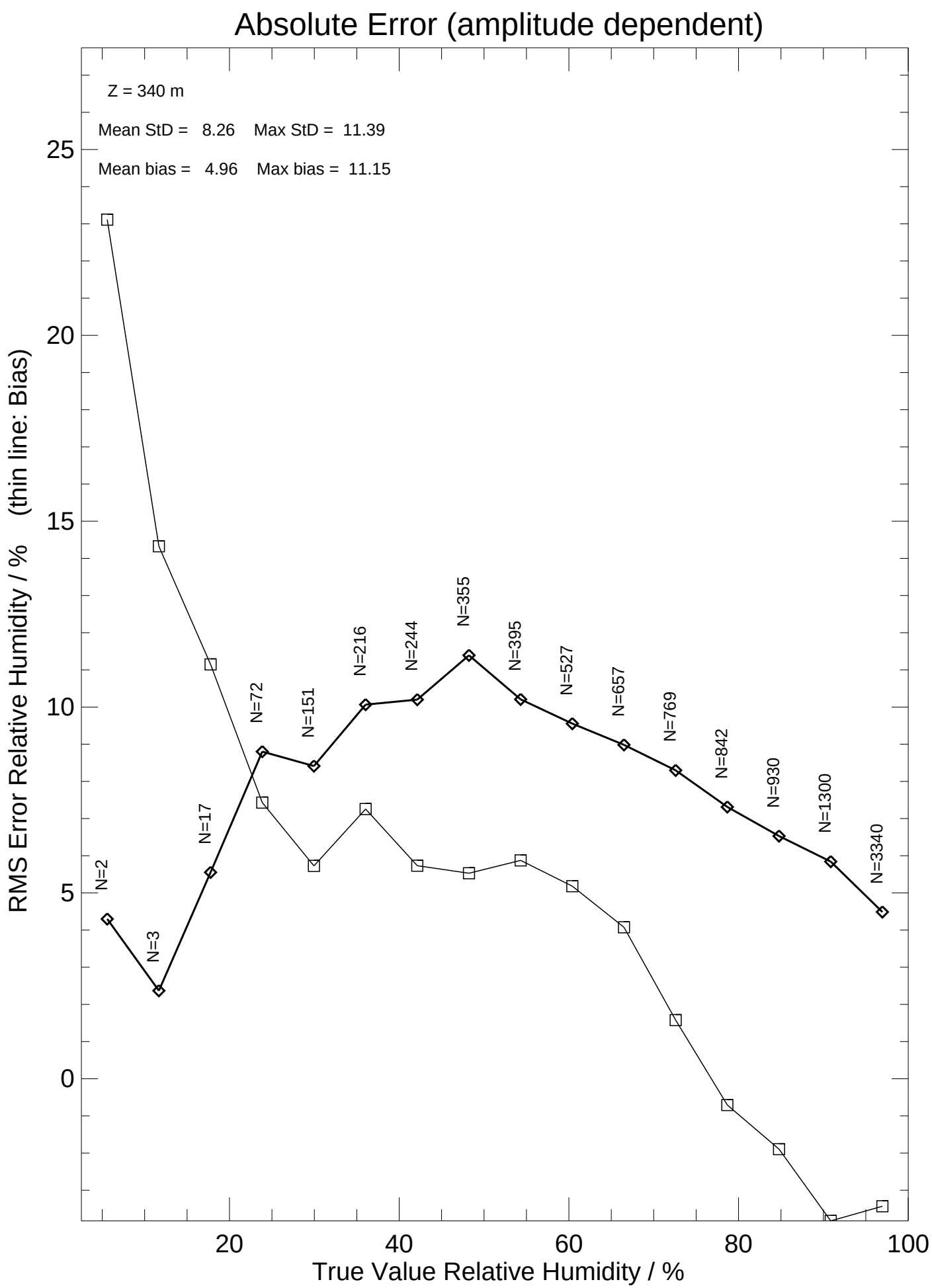

Cor=0.91306 RMS=7.97305 Bias=0.3305
Z = 310 m N2=9820
100
80
60
40
20
20
40
60
80
100

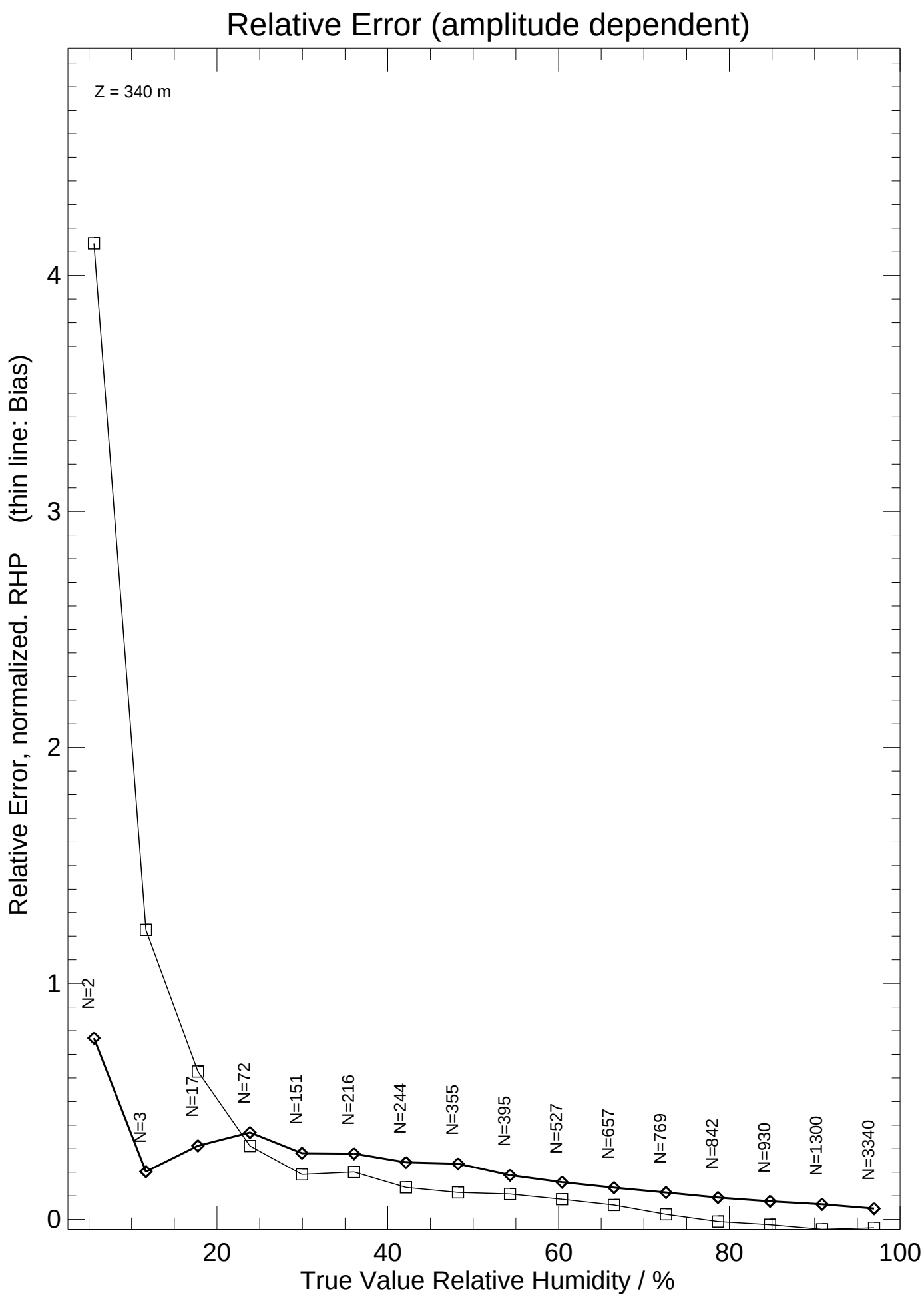

Absolute Error (amplitude dependent)
Z = 310 m
Mean StD = 8.17 Max StD = 10.75
Mean bias = 4.83 Max bias = 11.09
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=2
N=2
N=16
N=73
N=148
N=222
N=233
N=353
N=392
N=527
N=660
N=787
N=812
N=952
N=1278
N=3363

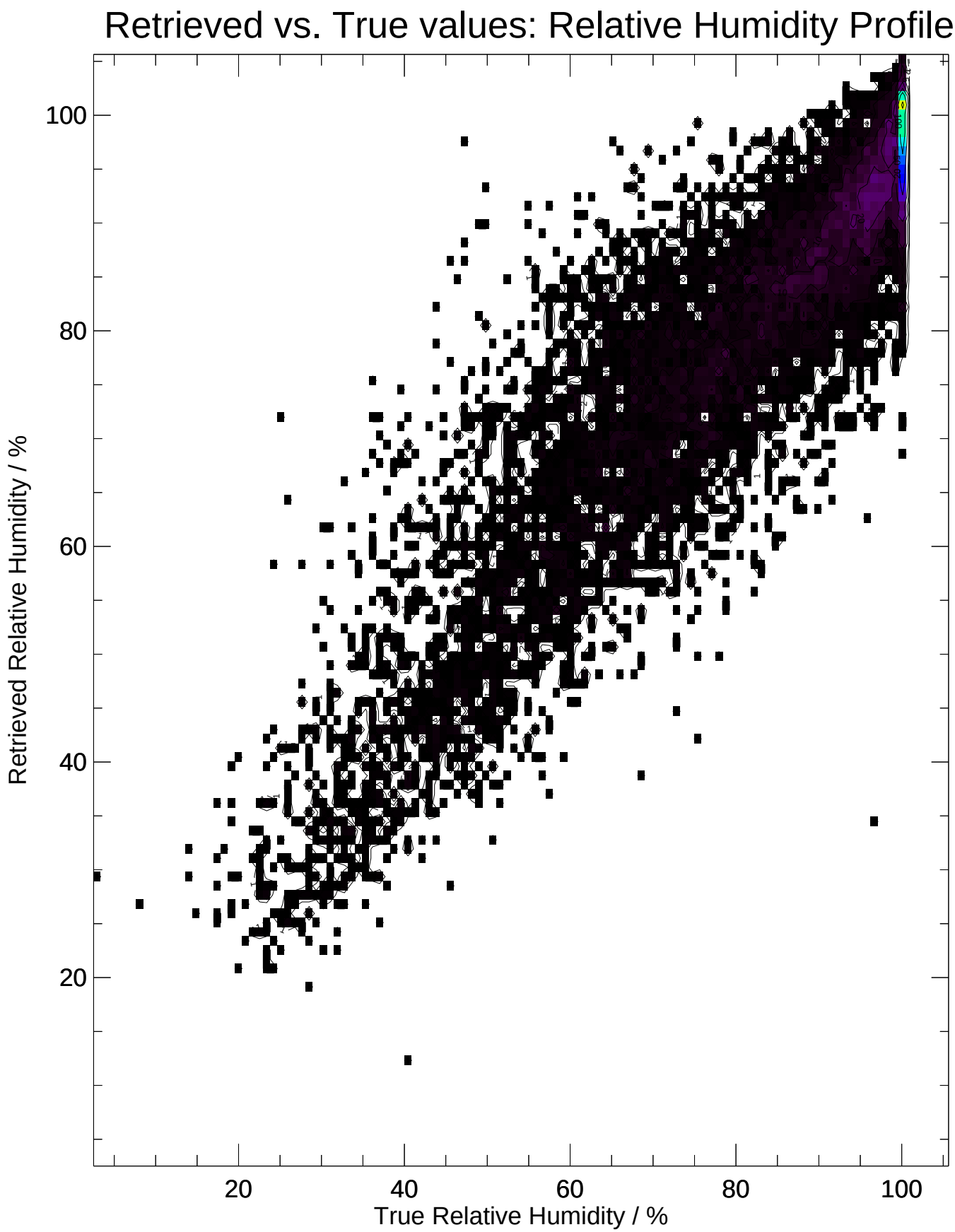

Relative Error (amplitude dependent)
Z = 310 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=2
N=2
N=16
N=73
N=148
N=222
N=233
N=353
N=392
N=527
N=660
N=787
N=812
N=952
N=1278
N=3363

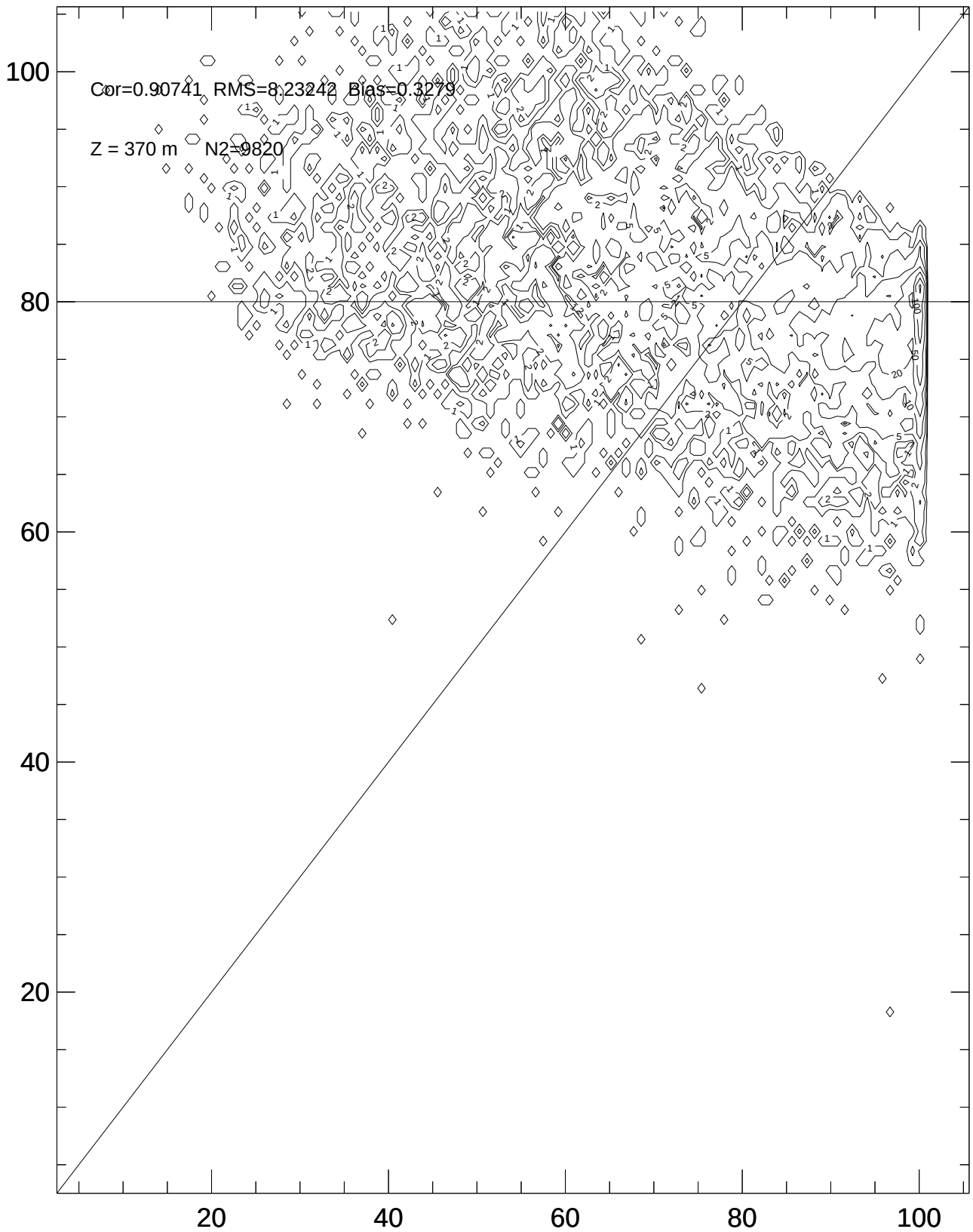

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

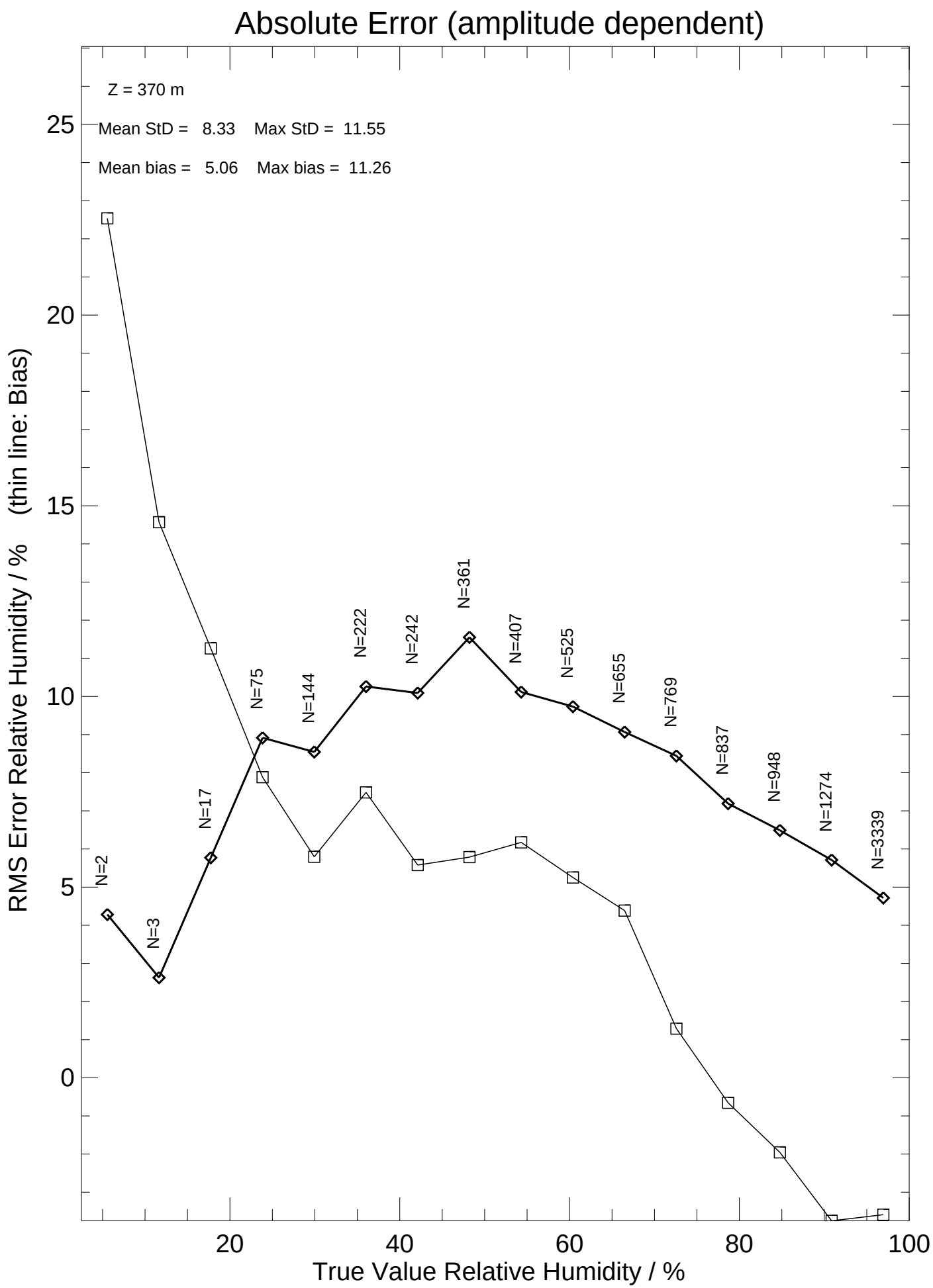

Cor=0.91005 RMS=8.11274 Bias=0.3300
Z = 340 m N2=9820
100
80
60
40
20
20
40
60
80
100

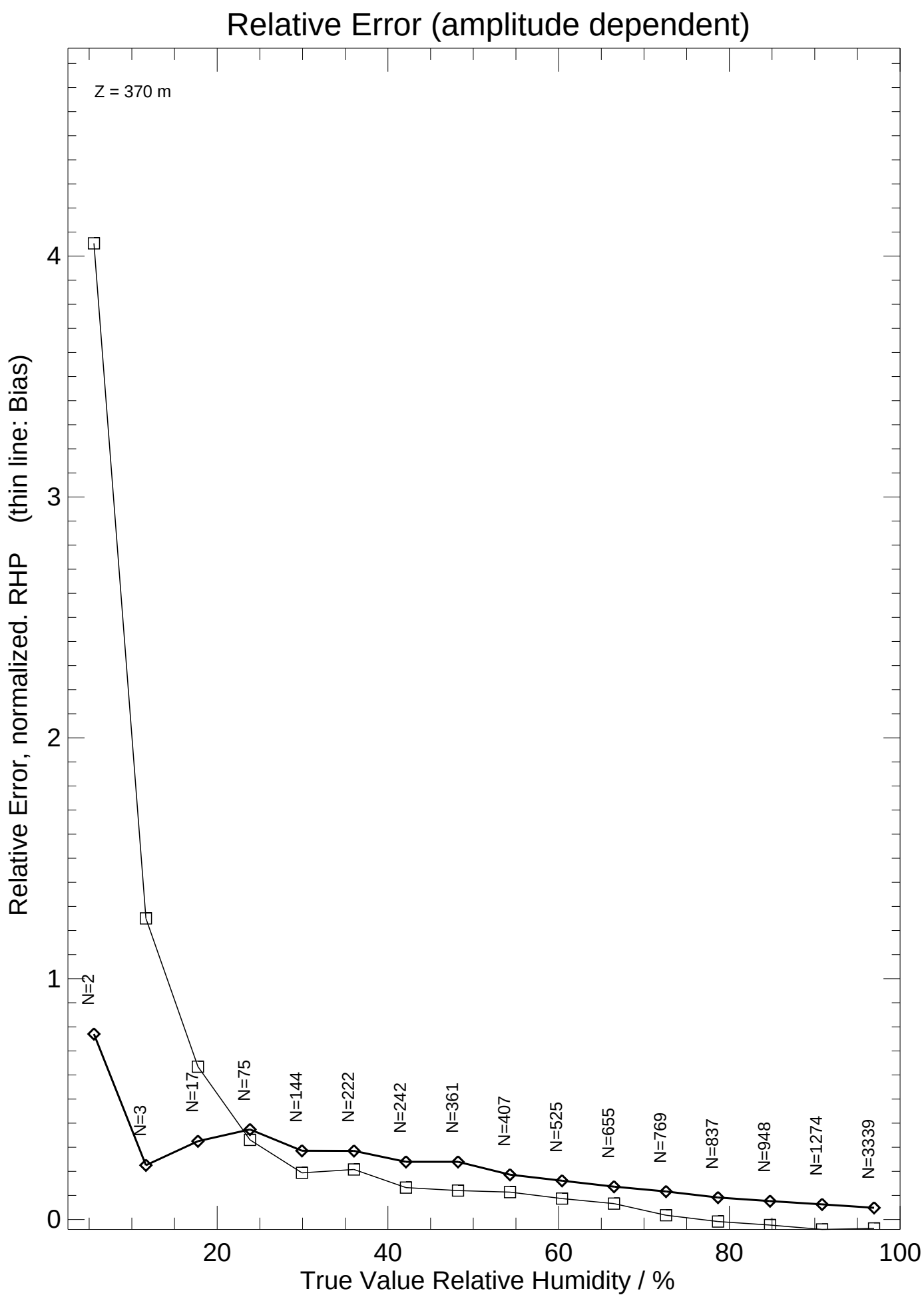

Absolute Error (amplitude dependent)
Z = 340 m
Mean StD = 8.26 Max StD = 11.39
Mean bias = 4.96 Max bias = 11.15
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=2
N=3
N=17
N=72
N=151
N=216
N=244
N=355
N=395
N=527
N=657
N=769
N=842
N=930
N=1300
N=3340

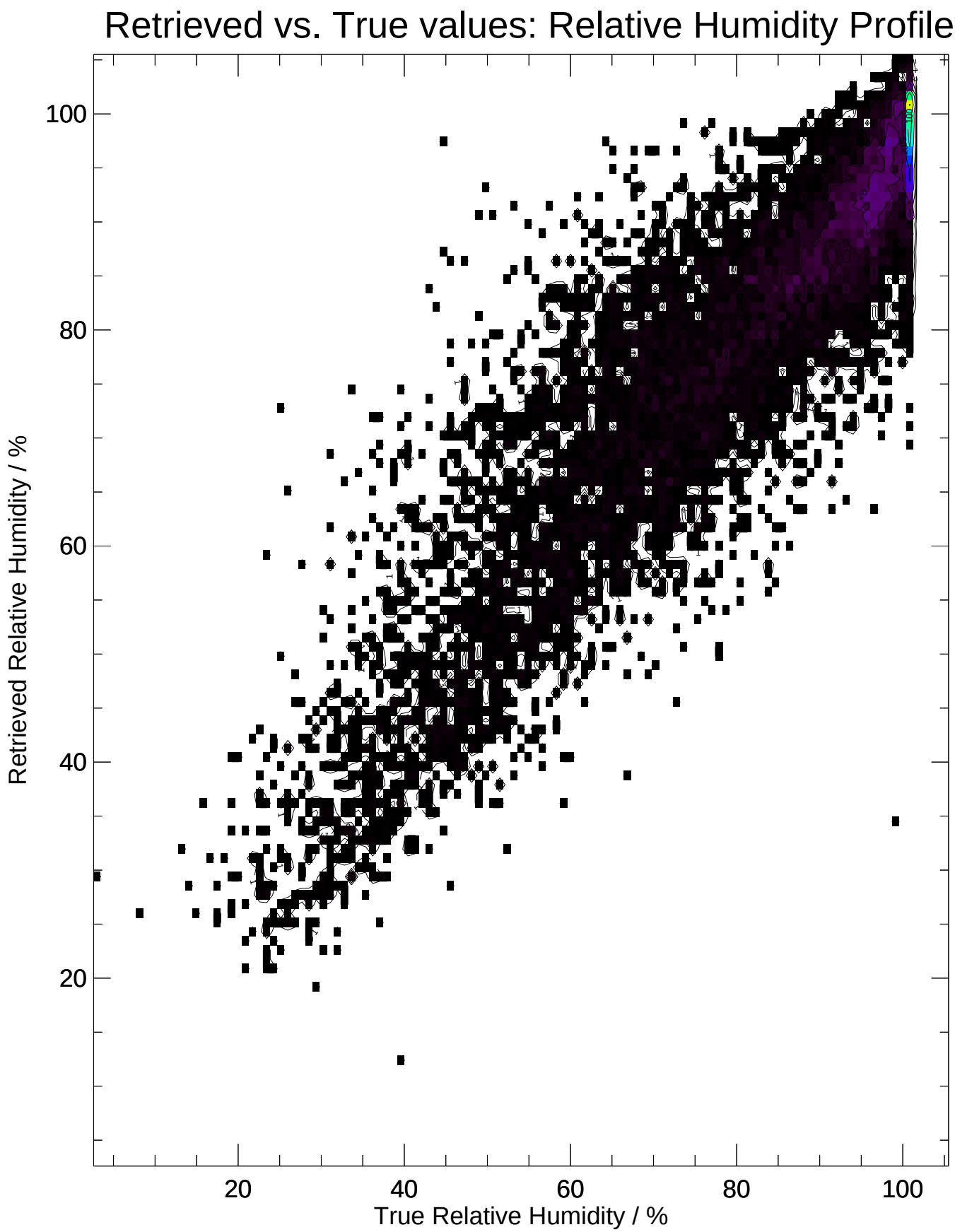

Relative Error (amplitude dependent)
Z = 340 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=2
N=3
N=17
N=72
N=151
N=216
N=244
N=355
N=395
N=527
N=657
N=769
N=842
N=930
N=1300
N=3340

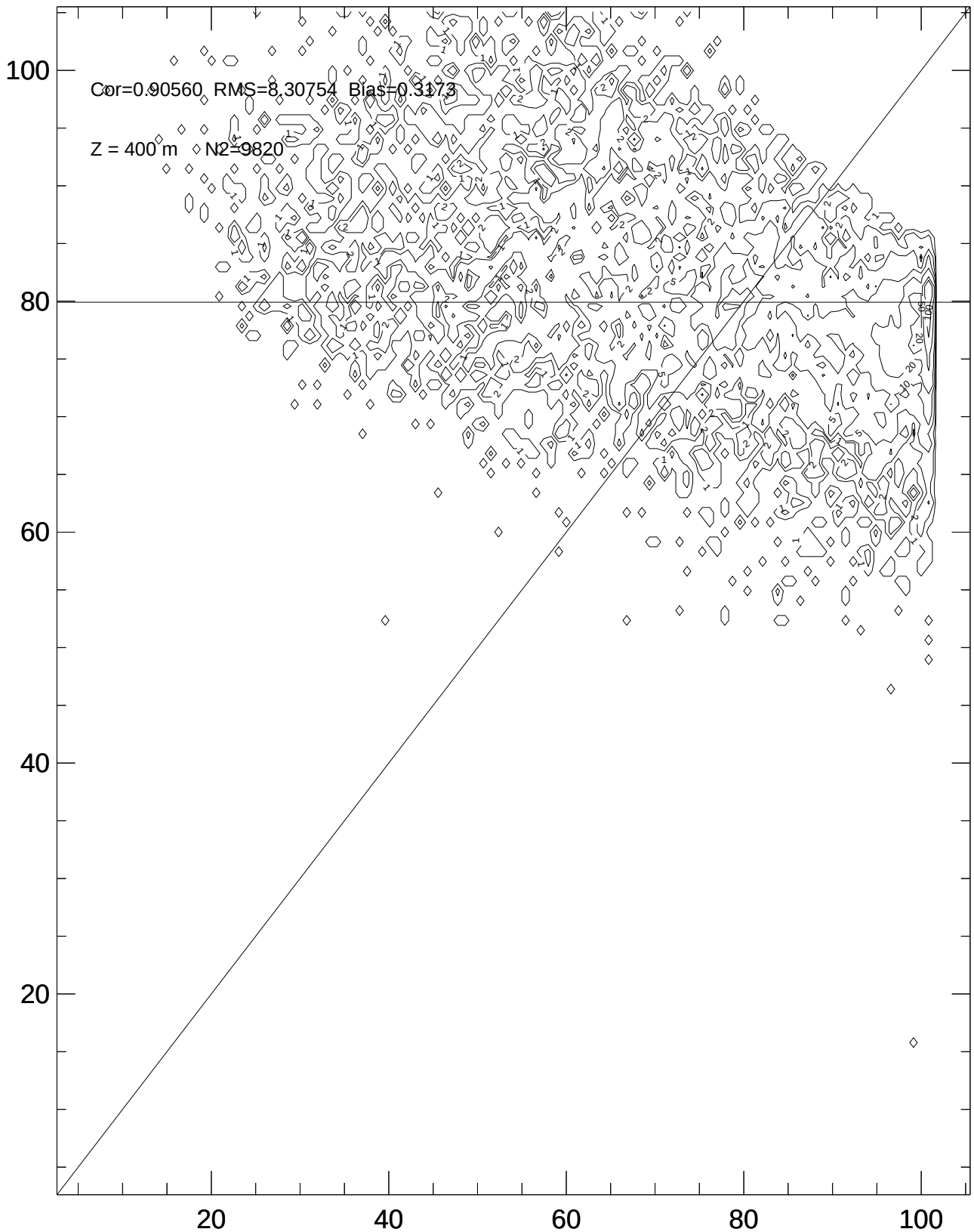

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

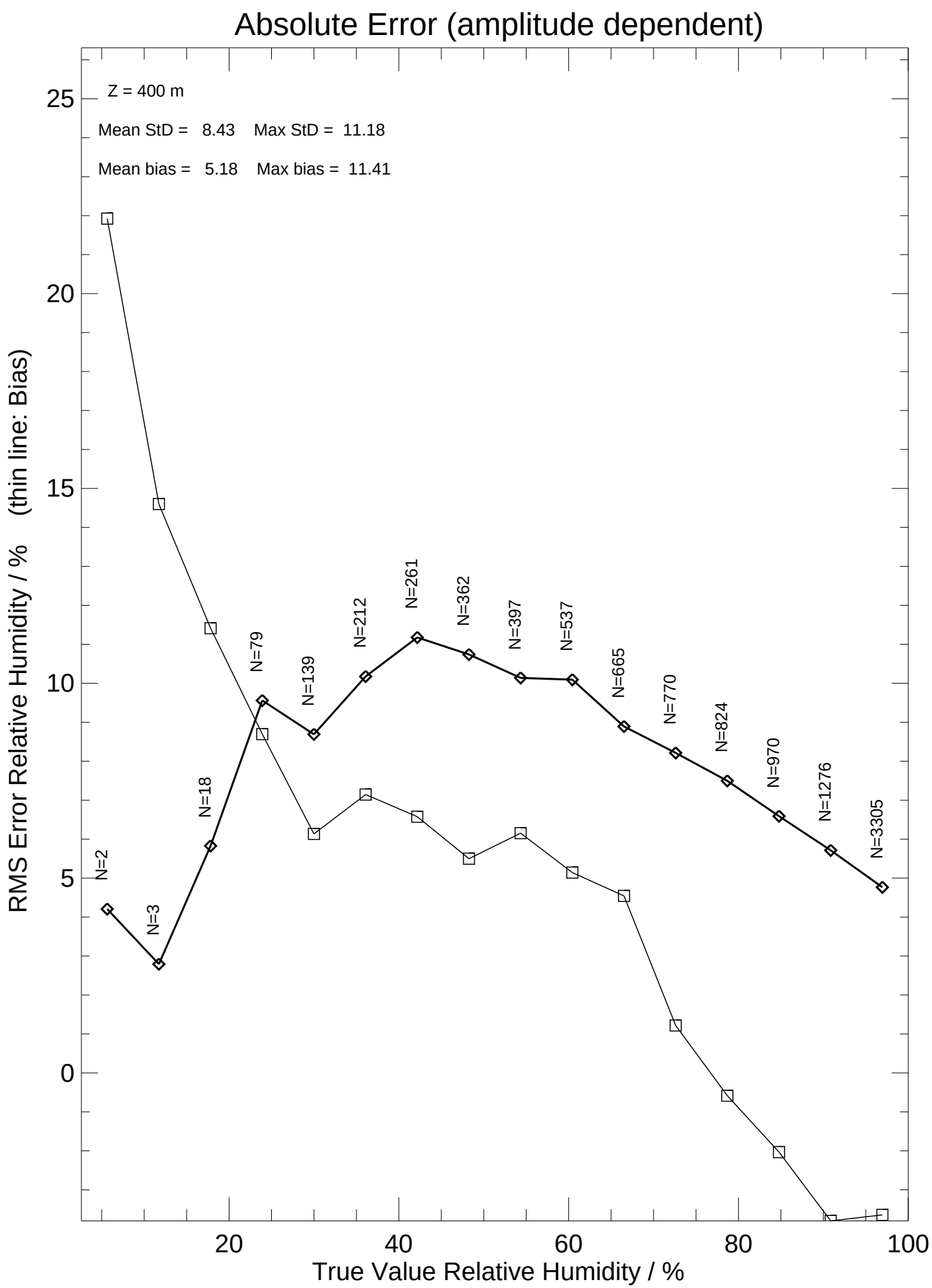

Cor=0.90741 RMS=8.23242 Bias=0.3279
Z = 370 m N2=9820
100
80
60
40
20
20
40
60
80
100

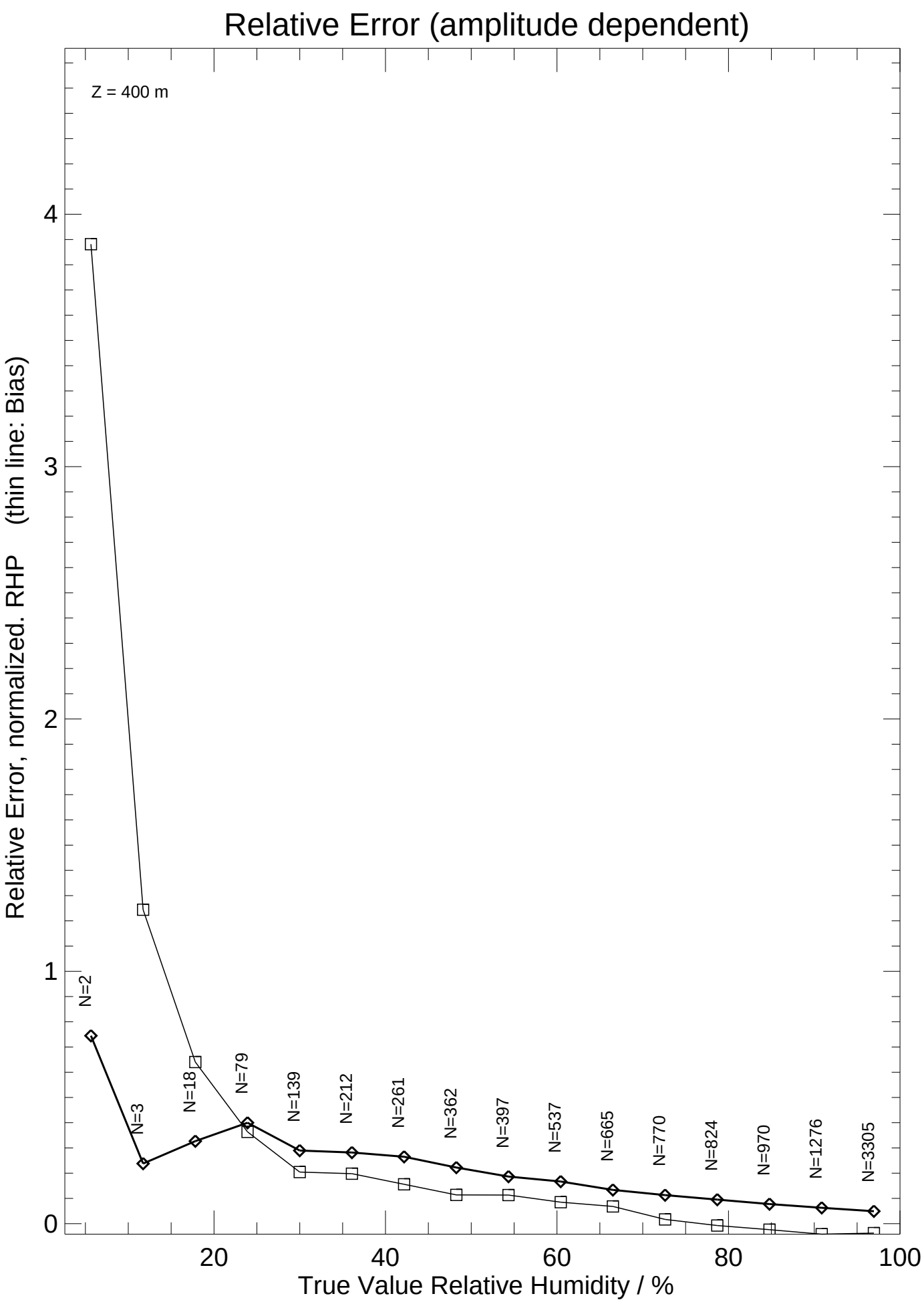

Absolute Error (amplitude dependent)
Z = 370 m
Mean StD = 8.33 Max StD = 11.55
Mean bias = 5.06 Max bias = 11.26
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=2
N=3
N=17
N=75
N=144
N=222
N=242
N=361
N=407
N=525
N=655
N=769
N=837
N=948
N=1274
N=3339

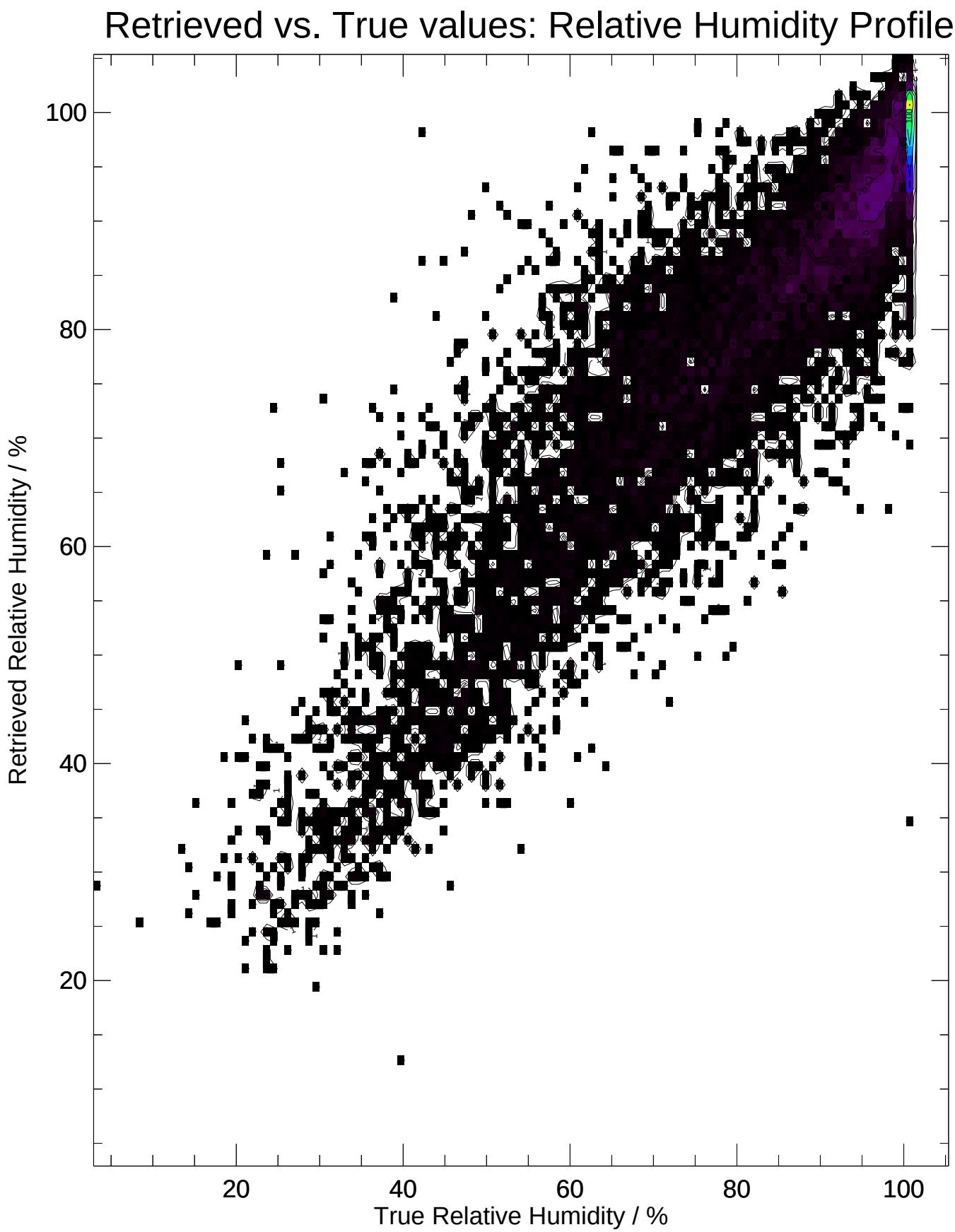

Relative Error (amplitude dependent)
Z = 370 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=2
N=3
N=17
N=75
N=144
N=222
N=242
N=361
N=407
N=525
N=655
N=769
N=837
N=948
N=1274
N=3339

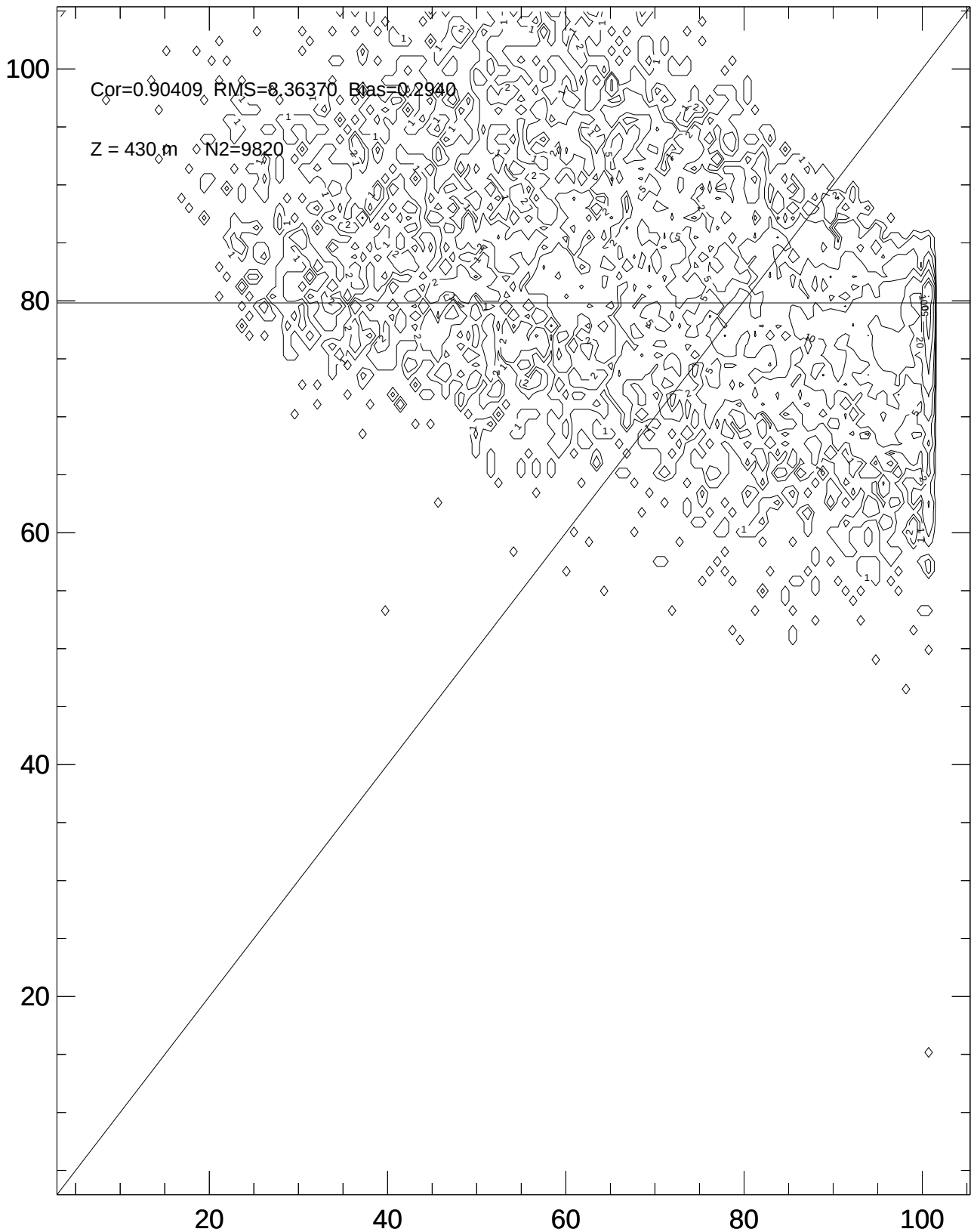

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

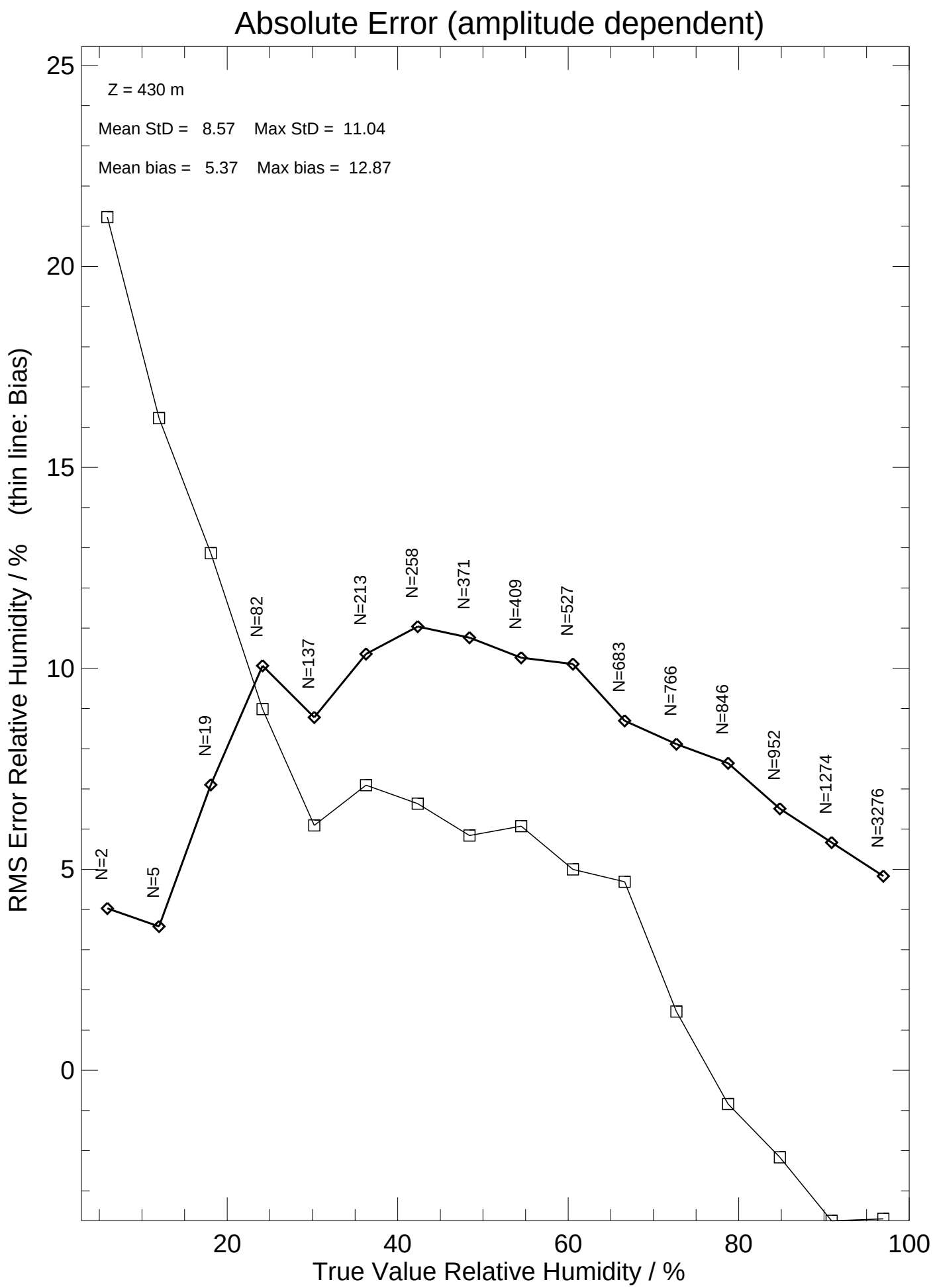

Cor=0.90560 RMS=8.30754 Bias=0.3173
Z = 400 m N2=9820
100
80
60
40
20
20
40
60
80
100

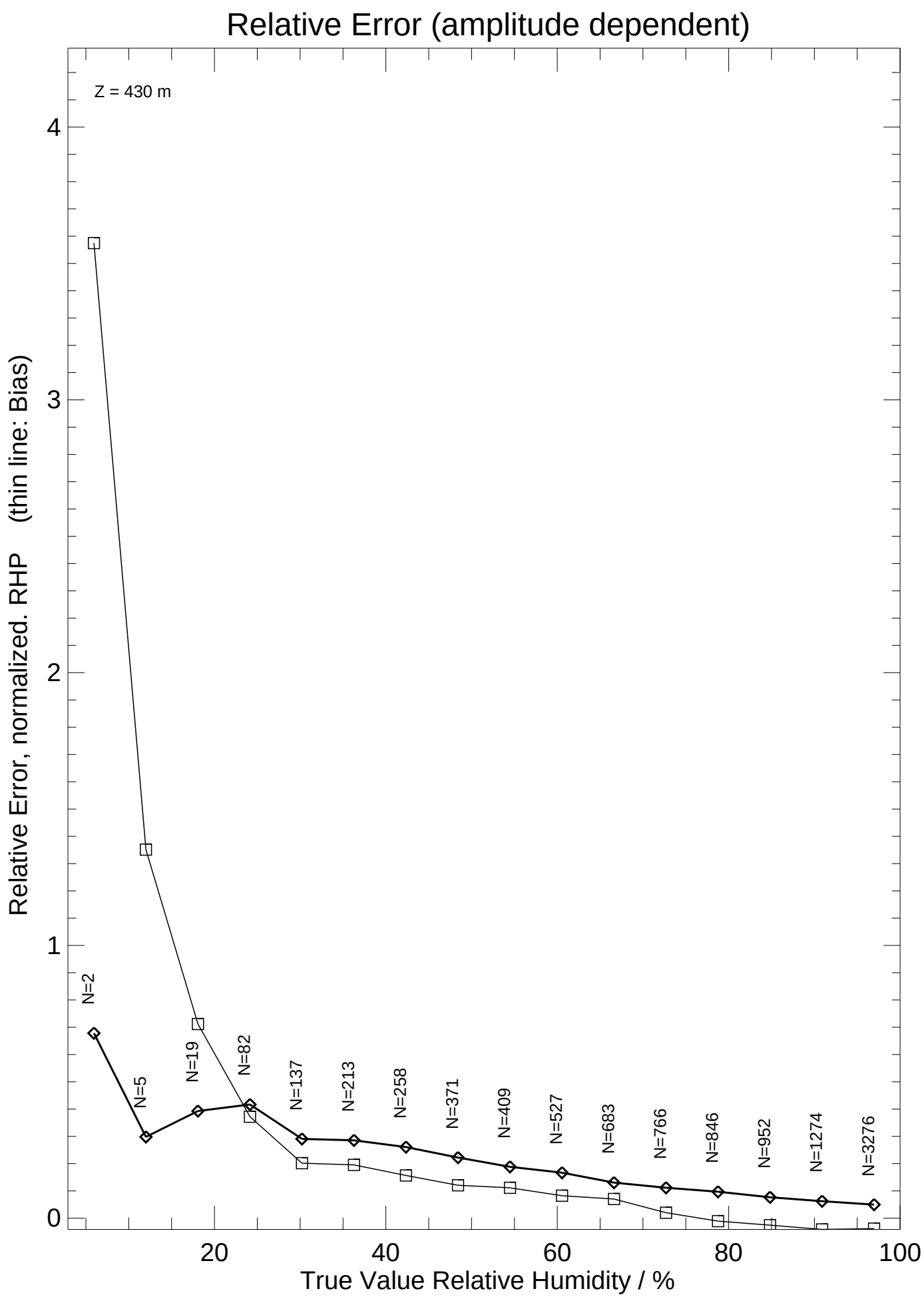

Absolute Error (amplitude dependent)
Z = 400 m
Mean StD = 8.43 Max StD = 11.18
Mean bias = 5.18 Max bias = 11.41
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
25
20
15
10
5
0
20
40
60
80
100
N=2
N=3
N=18
N=79
N=139
N=212
N=261
N=362
N=397
N=537
N=665
N=770
N=824
N=970
N=1276
N=3305

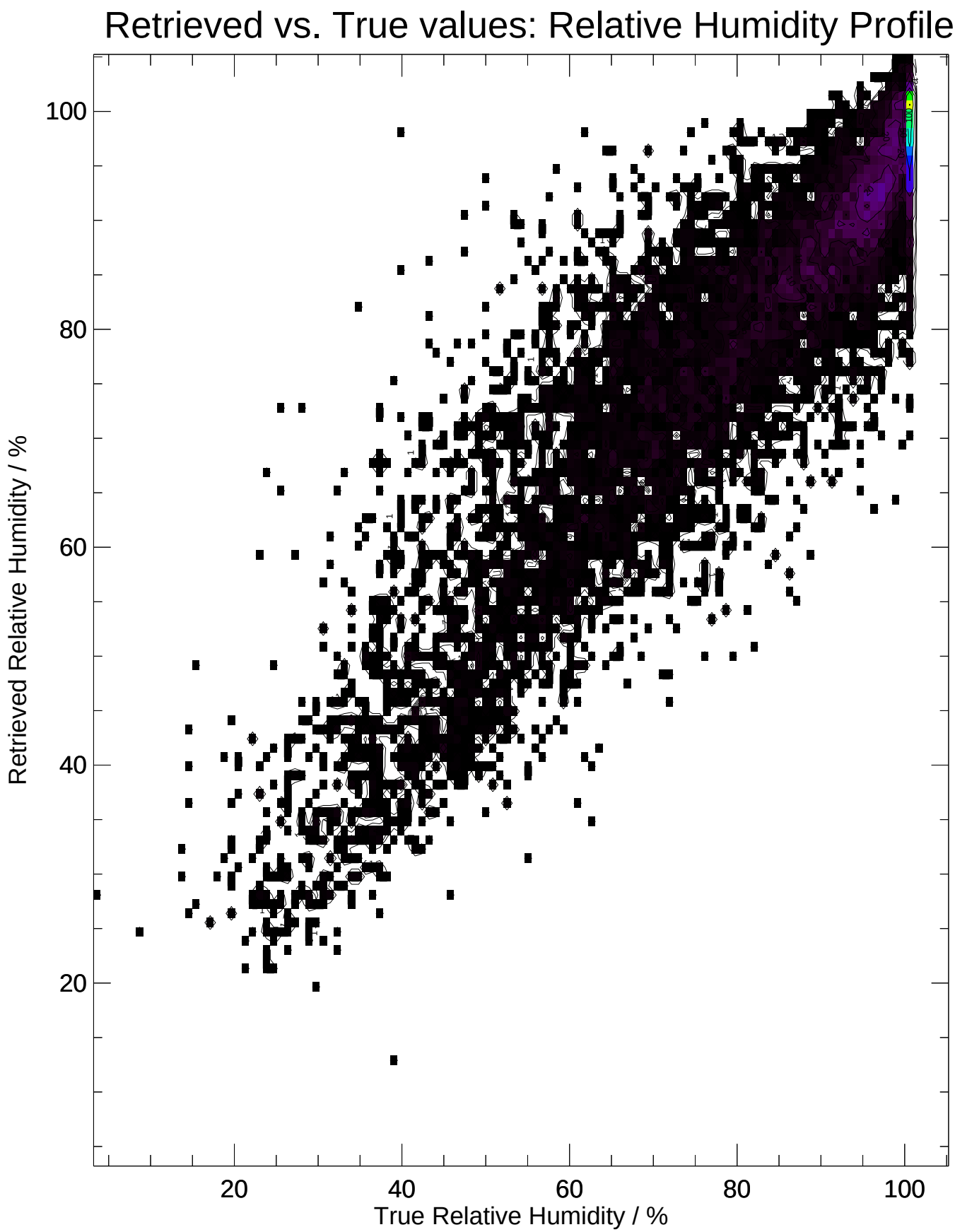

Relative Error (amplitude dependent)
Z = 400 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=2
N=3
N=18
N=79
N=139
N=212
N=261
N=362
N=397
N=537
N=665
N=770
N=824
N=970
N=1276
N=3305

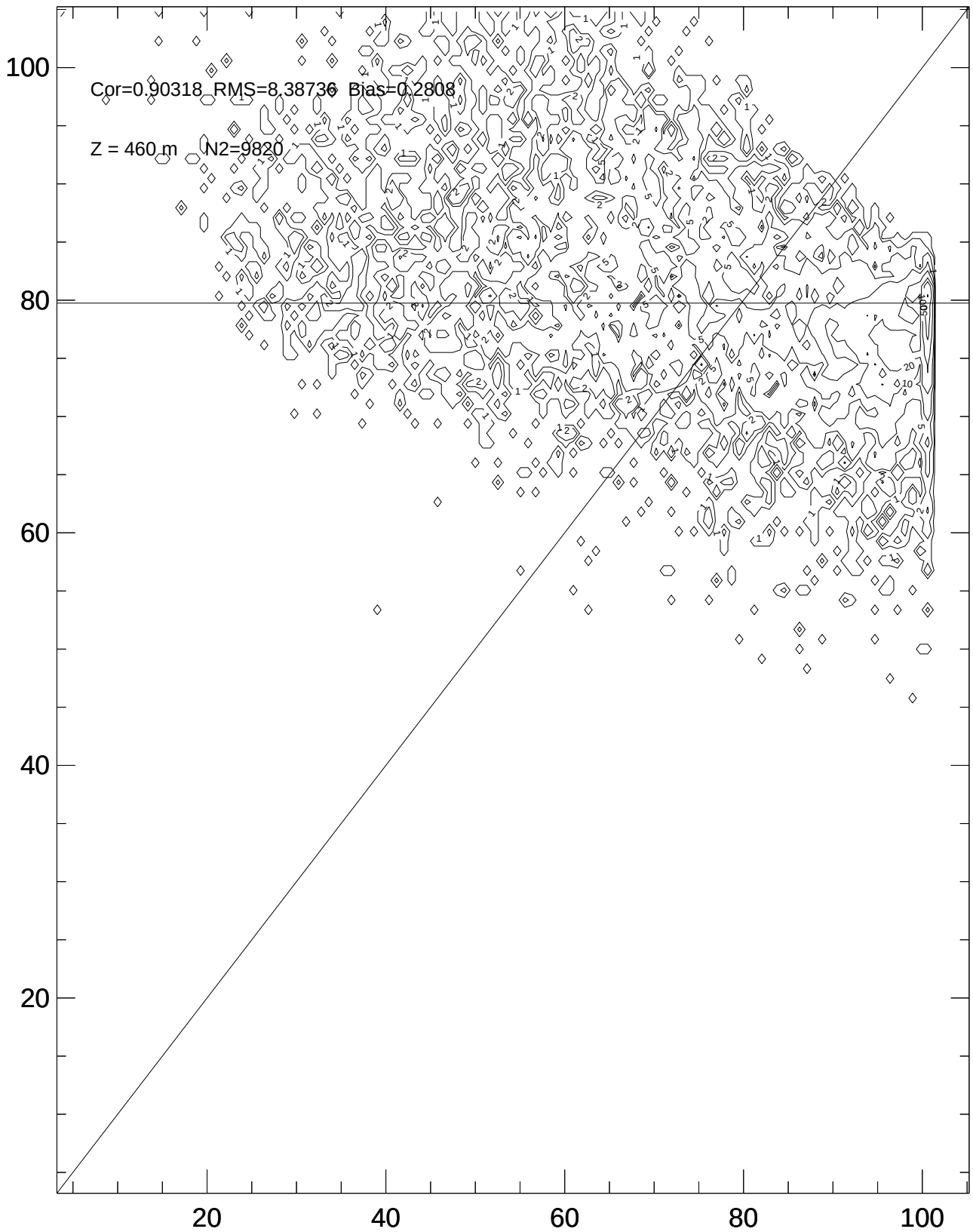

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

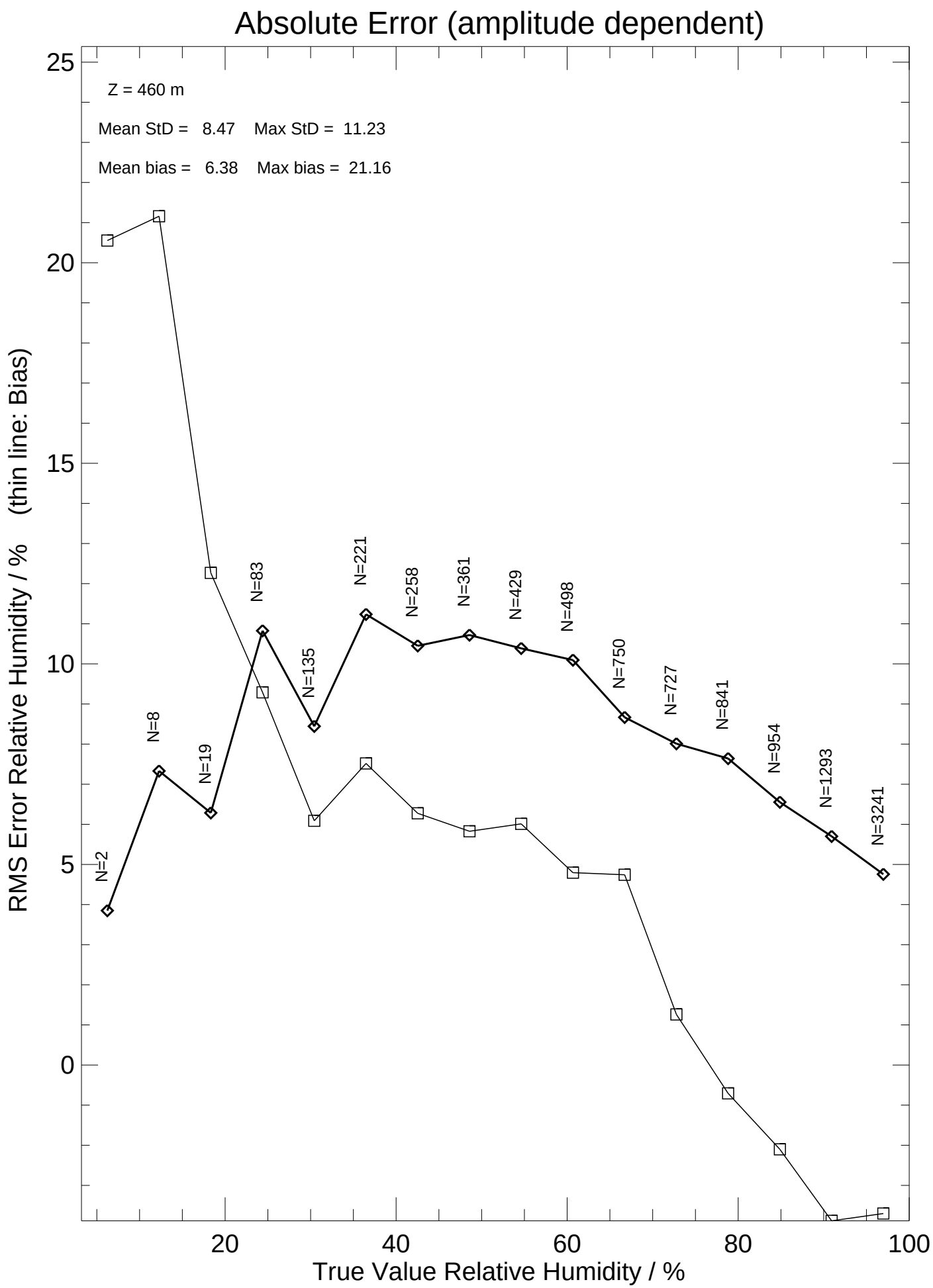

Cor=0.90409 RMS=8.36370 Bias=0.2940
Z = 430 m N2=9820
100
80
60
40
20
20
40
60
80
100

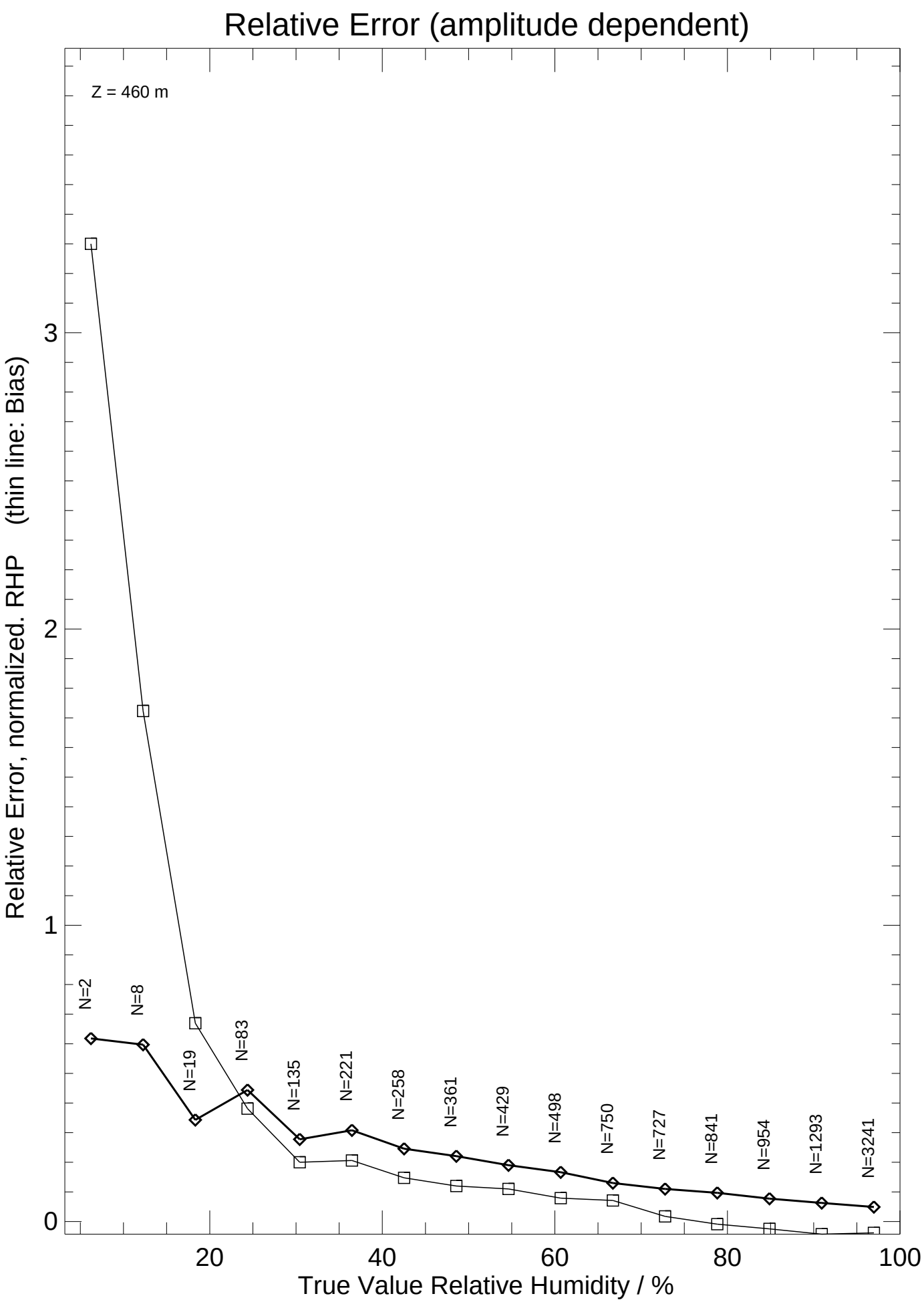

Absolute Error (amplitude dependent)
Z = 430 m
Mean StD = 8.57 Max StD = 11.04
Mean bias = 5.37 Max bias = 12.87
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
25
20
15
10
5
0
20
40
60
80
100
N=2
N=5
N=19
N=82
N=137
N=213
N=258
N=371
N=409
N=527
N=683
N=766
N=846
N=952
N=1274
N=3276

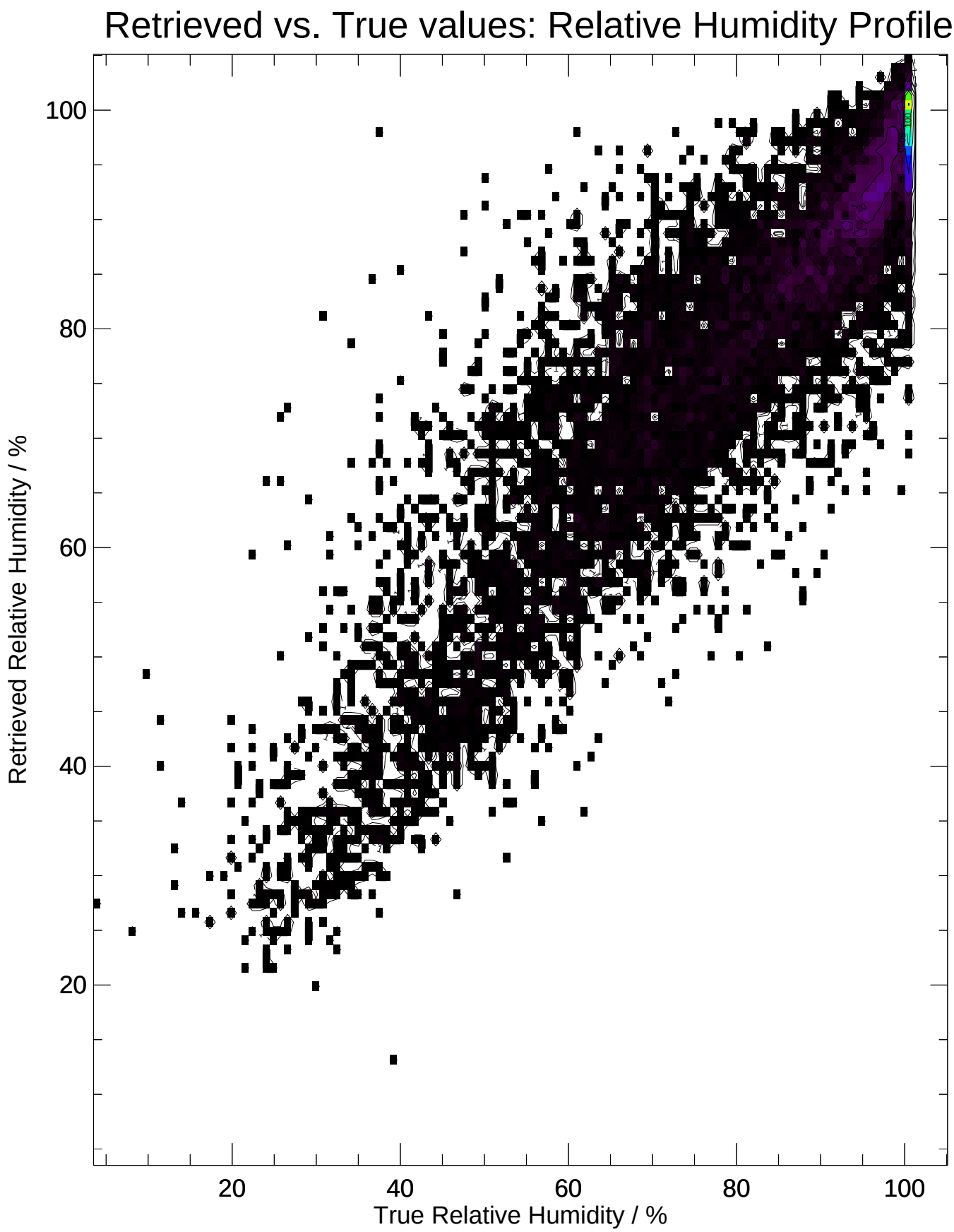

Relative Error (amplitude dependent)
Z = 430 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=2
N=5
N=19
N=82
N=137
N=213
N=258
N=371
N=409
N=527
N=683
N=766
N=846
N=952
N=1274
N=3276

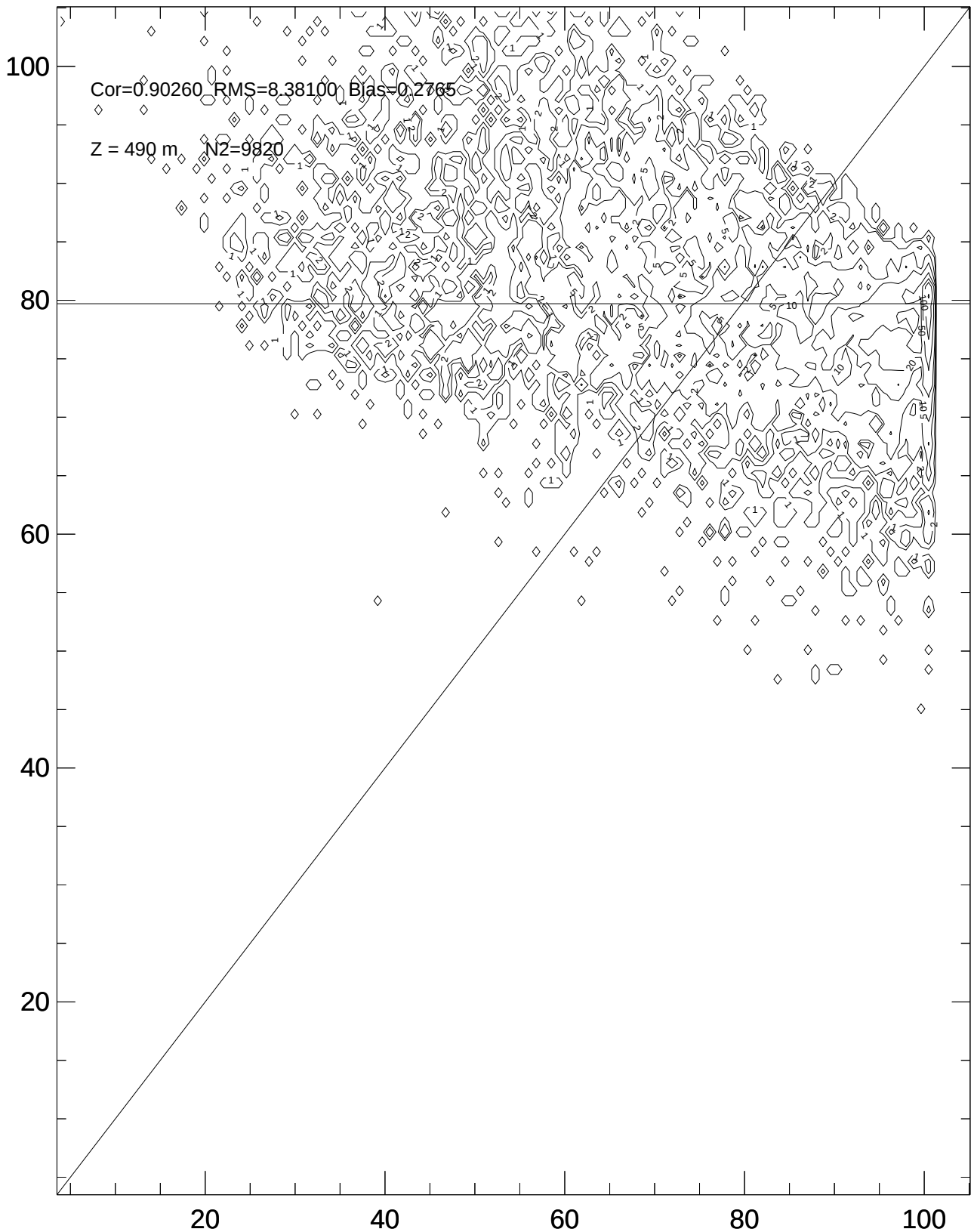

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

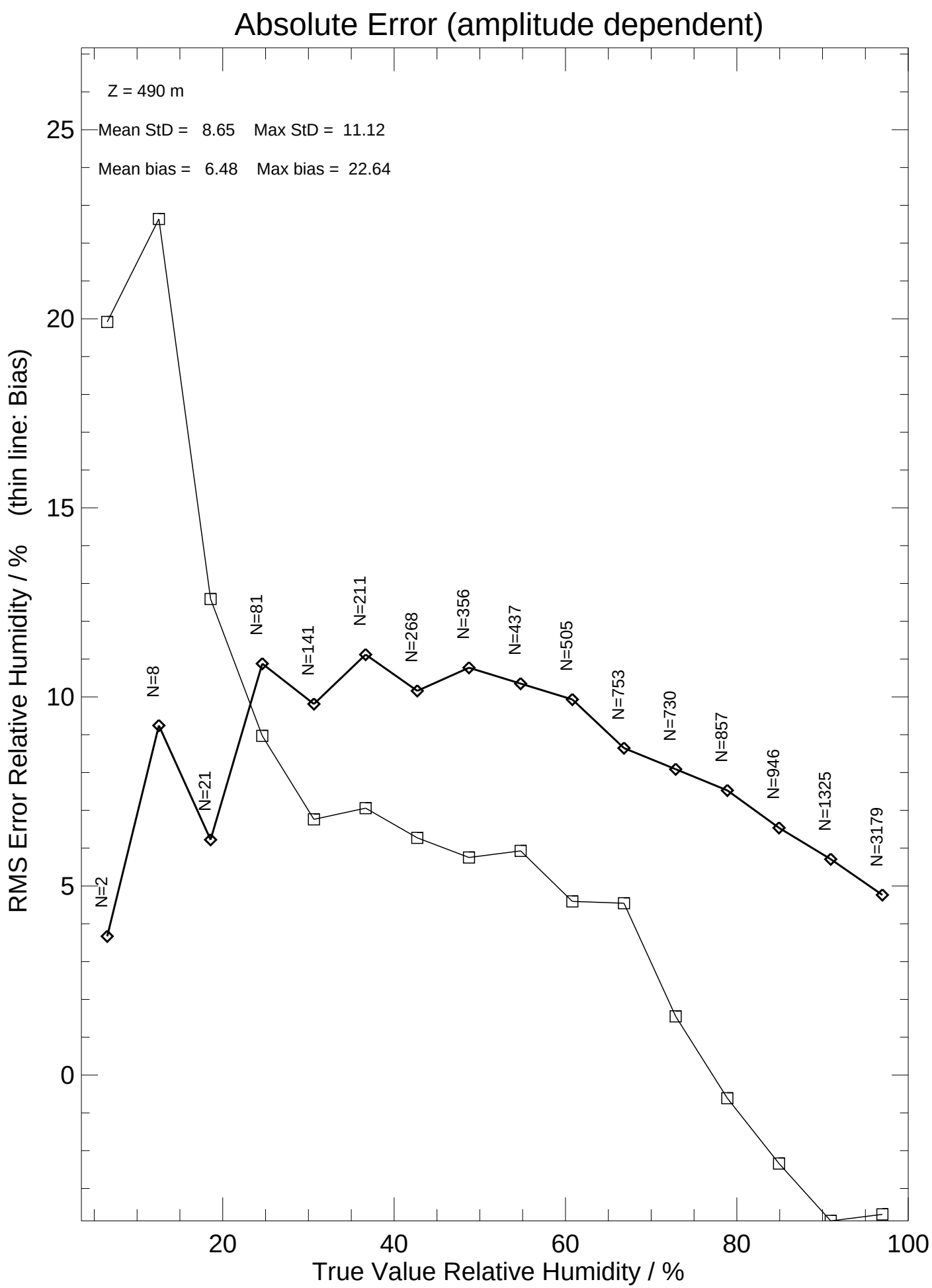

Cor=0.90318 RMS=8.38736 Bias=0.2808
Z = 460 m N2=9820
100
80
60
40
20
20
40
60
80
100

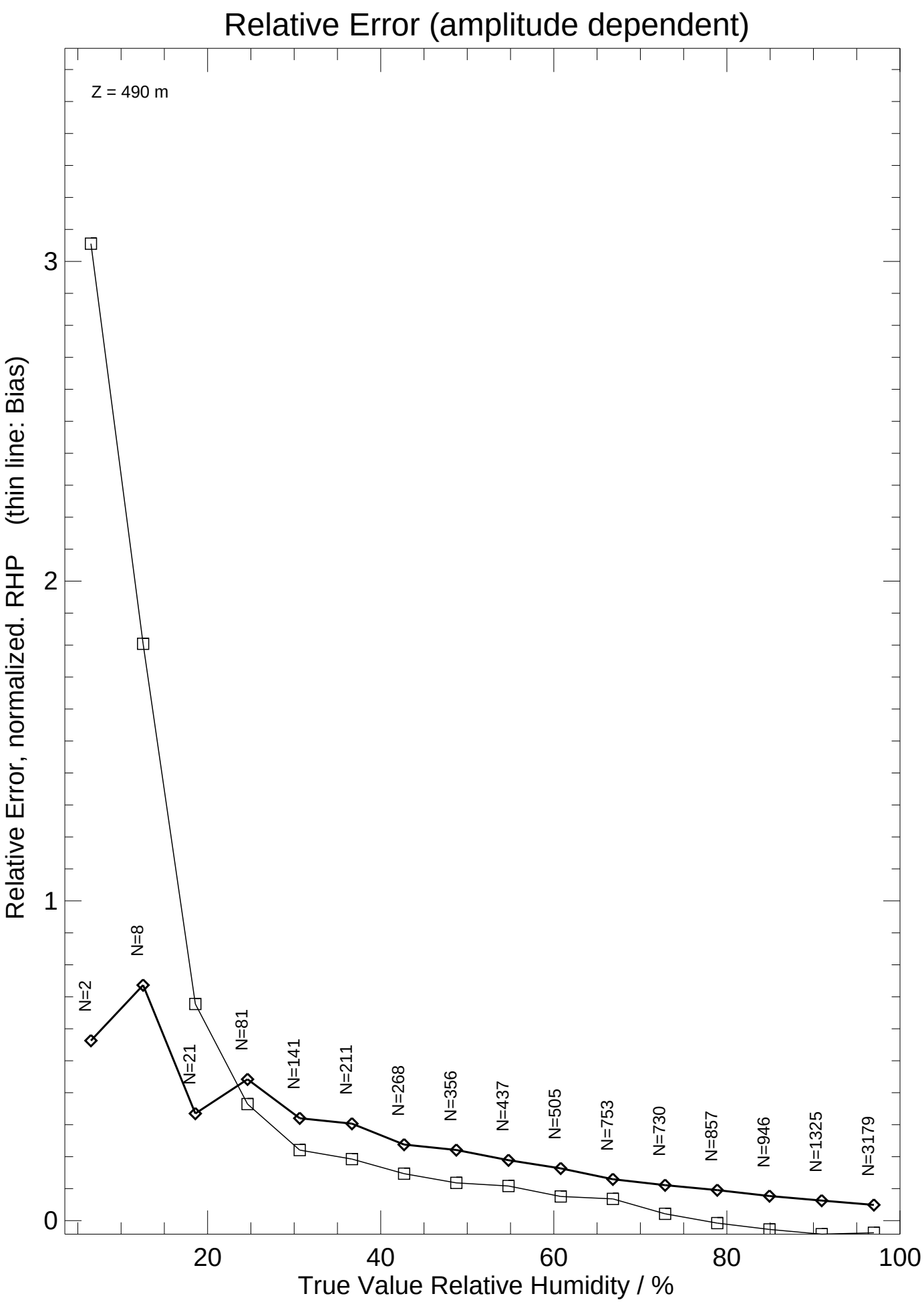

Absolute Error (amplitude dependent)
Z = 460 m
Mean StD = 8.47 Max StD = 11.23
Mean bias = 6.38 Max bias = 21.16
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
25
20
15
10
5
0
20
40
60
80
100
N=2
N=8
N=19
N=83
N=135
N=221
N=258
N=361
N=429
N=498
N=750
N=727
N=841
N=954
N=1293
N=3241

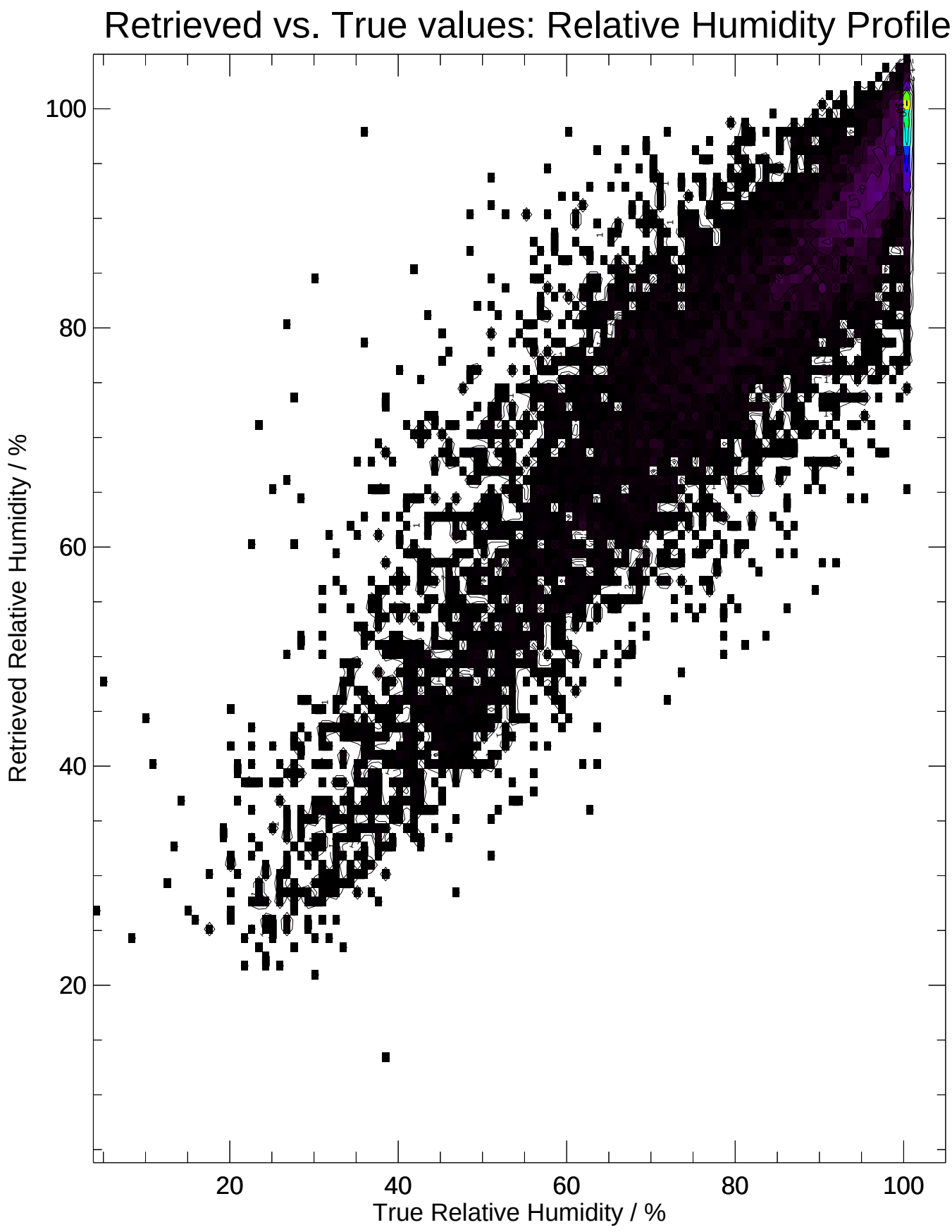

Relative Error (amplitude dependent)
Z = 460 m
Relative Error, normalized. RHP (thin line: Bias)
0
1
2
3
20
40
60
80
100
True Value Relative Humidity / %
N=2
N=8
N=19
N=83
N=135
N=221
N=258
N=361
N=429
N=498
N=750
N=727
N=841
N=954
N=1293
N=3241

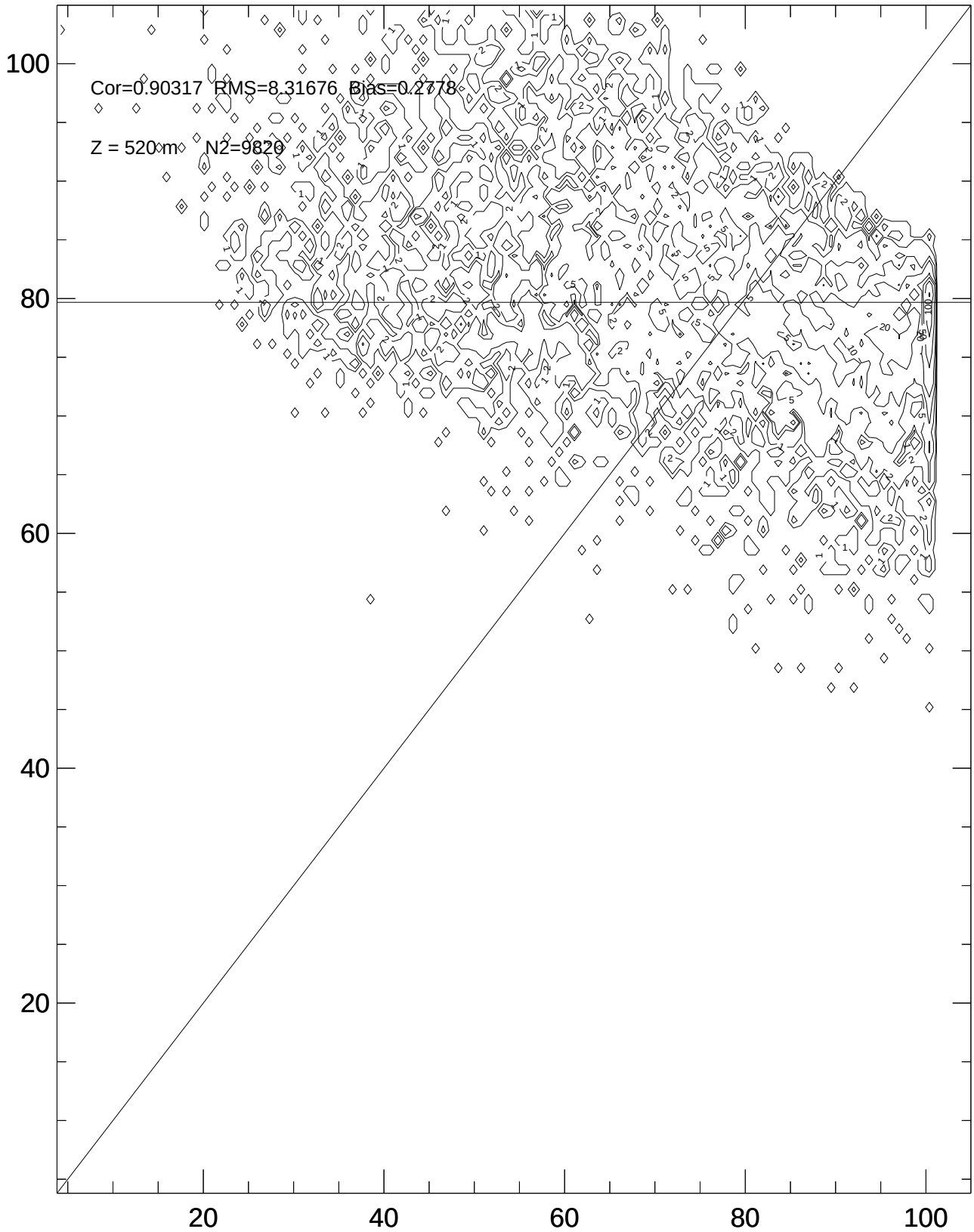

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

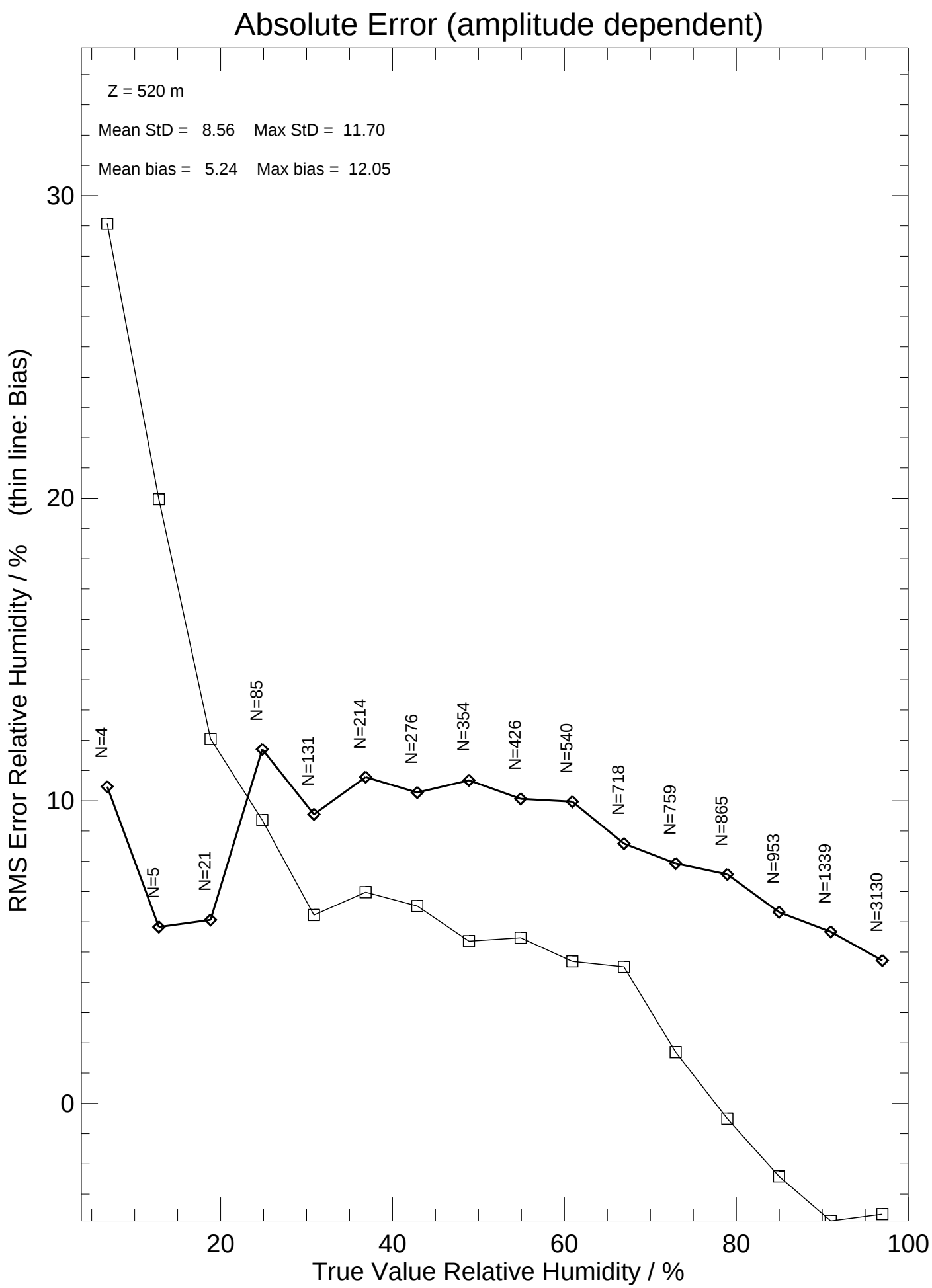

Cor=0.90260 RMS=8.38100 Bias=0.2765
Z = 490 m N2=9820
100
80
60
40
20
20
40
60
80
100

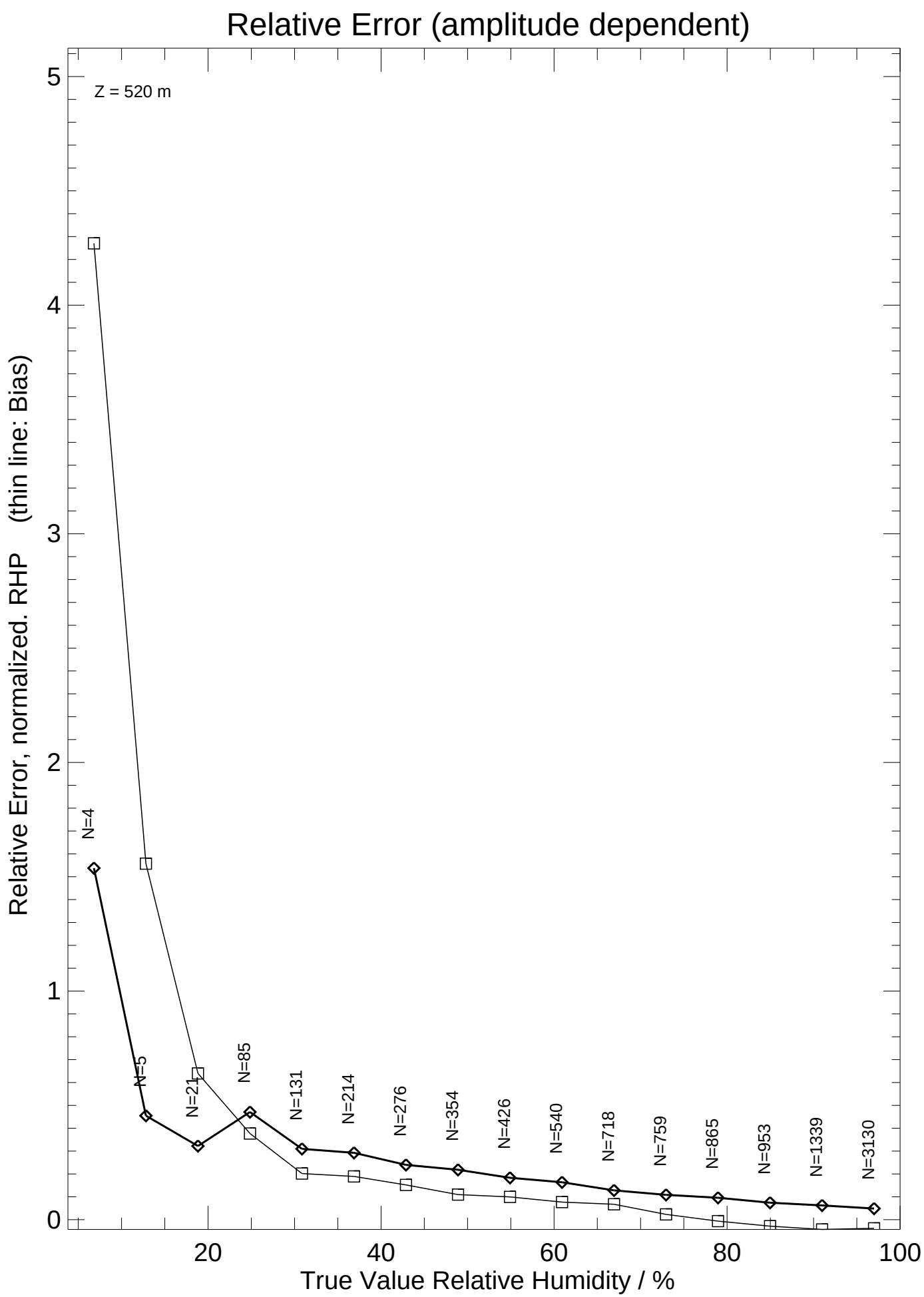

Absolute Error (amplitude dependent)
Z = 490 m
Mean StD = 8.65 Max StD = 11.12
Mean bias = 6.48 Max bias = 22.64
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
5
10
15
20
25
20
40
60
80
100
N=2
N=8
N=21
N=81
N=141
N=211
N=268
N=356
N=437
N=505
N=753
N=730
N=857
N=946
N=1325
N=3179

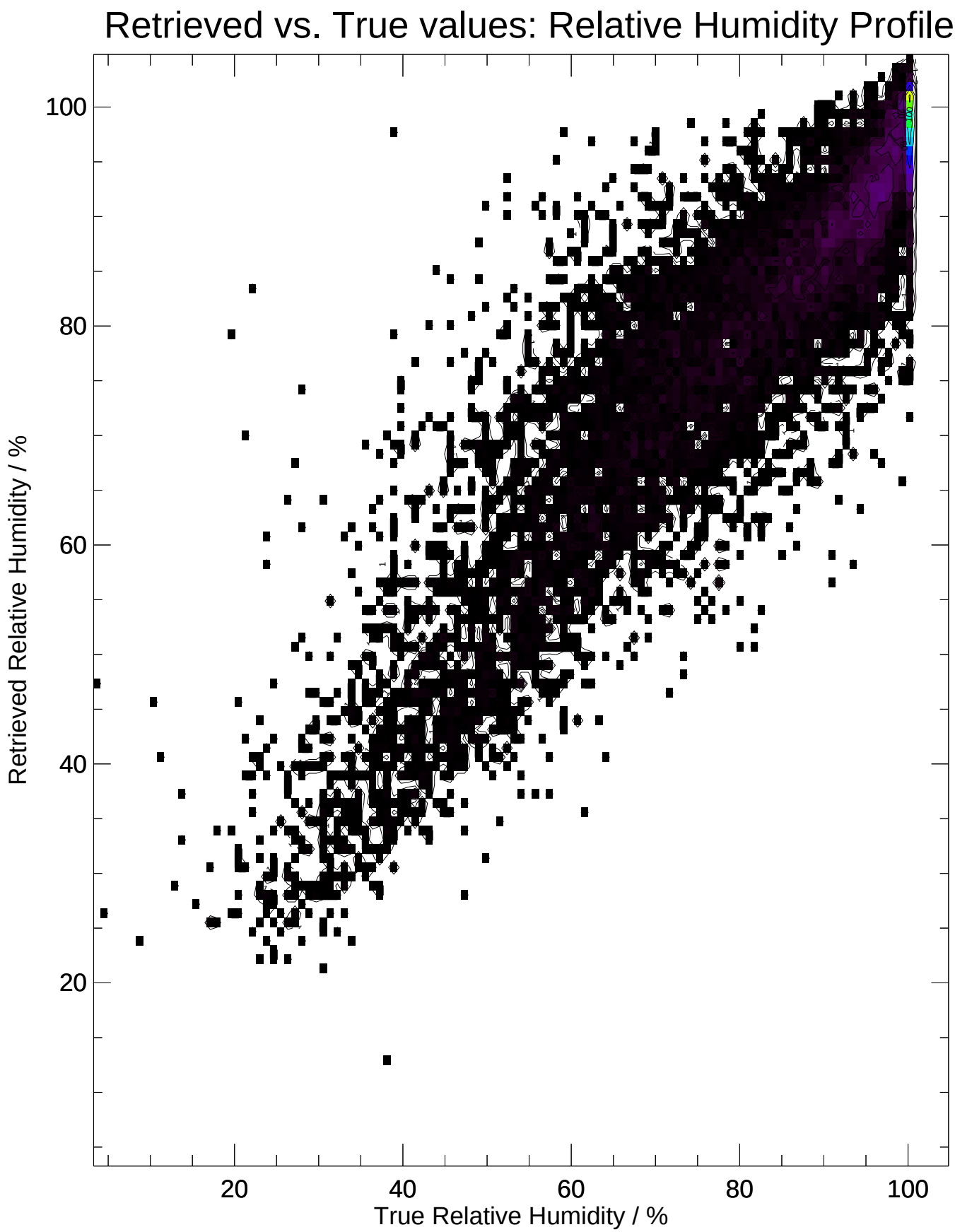

Relative Error (amplitude dependent)
Z = 490 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=2
N=8
N=21
N=81
N=141
N=211
N=268
N=356
N=437
N=505
N=753
N=730
N=857
N=946
N=1325
N=3179

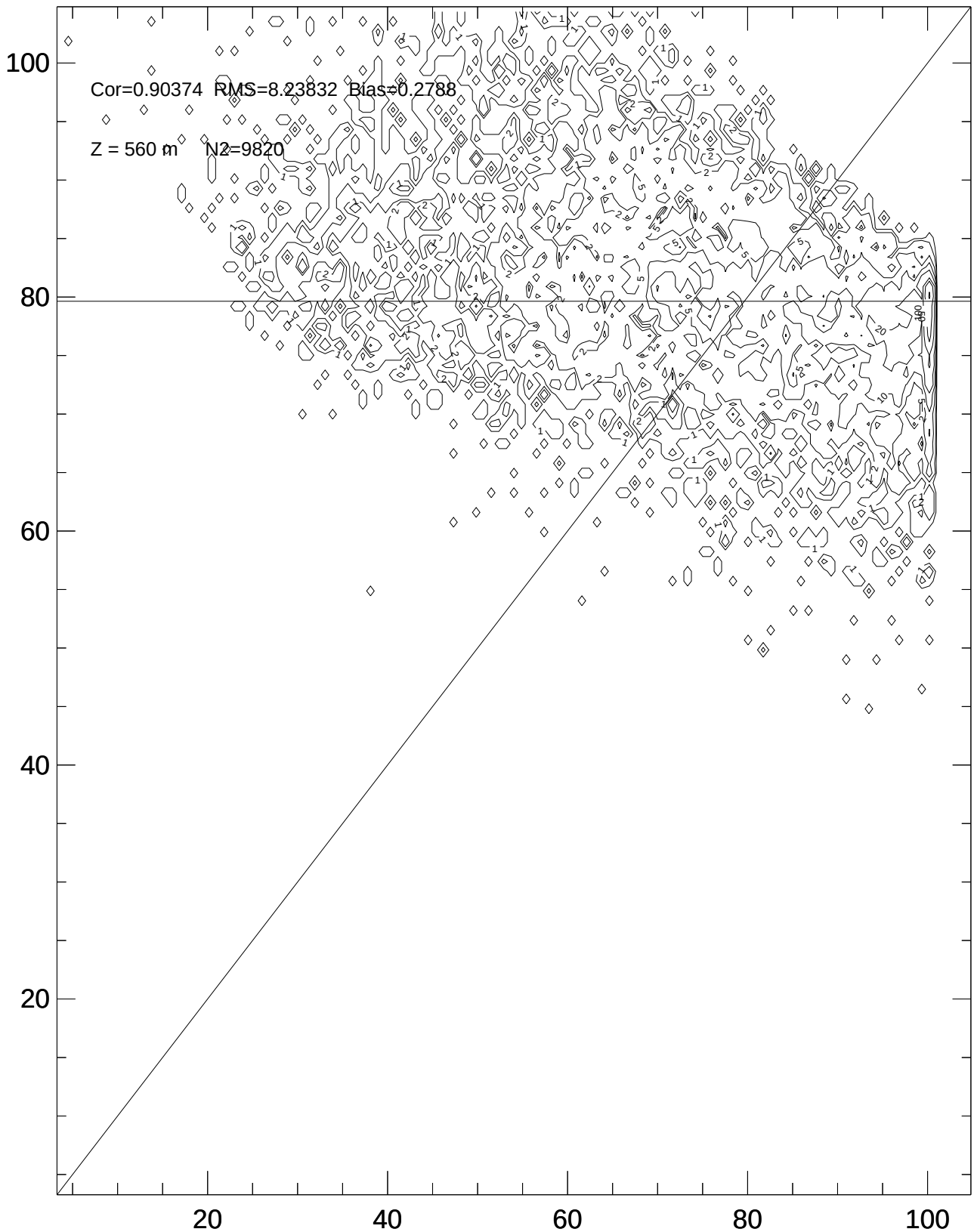

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

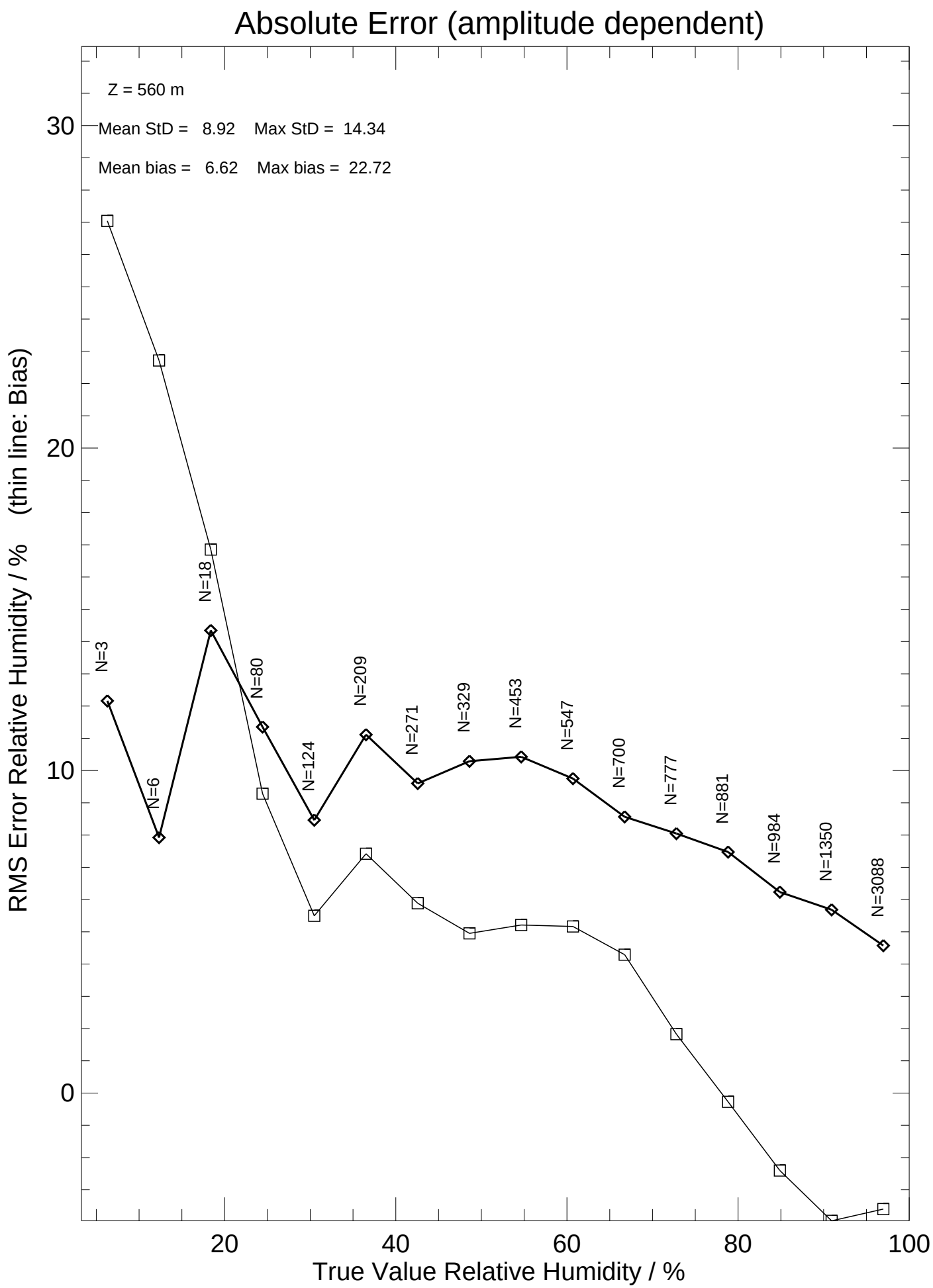

Cor=0.90317 RMS=8.31676 Bias=0.2778
Z = 520m N2=9820
100
80
60
40
20
20
40
60
80
100

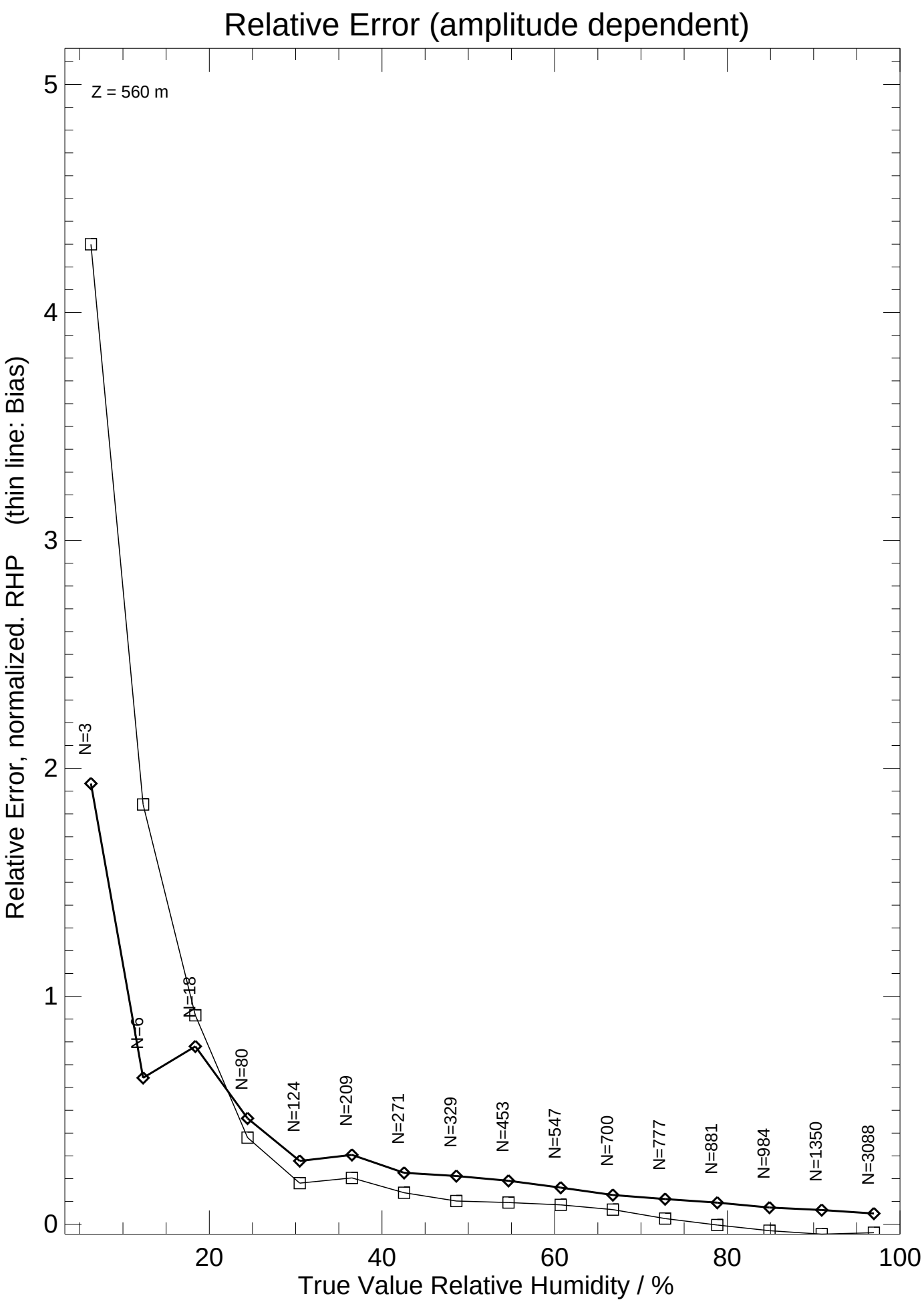

Absolute Error (amplitude dependent)
Z = 520 m
Mean StD = 8.56 Max StD = 11.70
Mean bias = 5.24 Max bias = 12.05
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=4
N=5
N=21
N=85
N=131
N=214
N=276
N=354
N=426
N=540
N=718
N=759
N=865
N=953
N=1339
N=3130

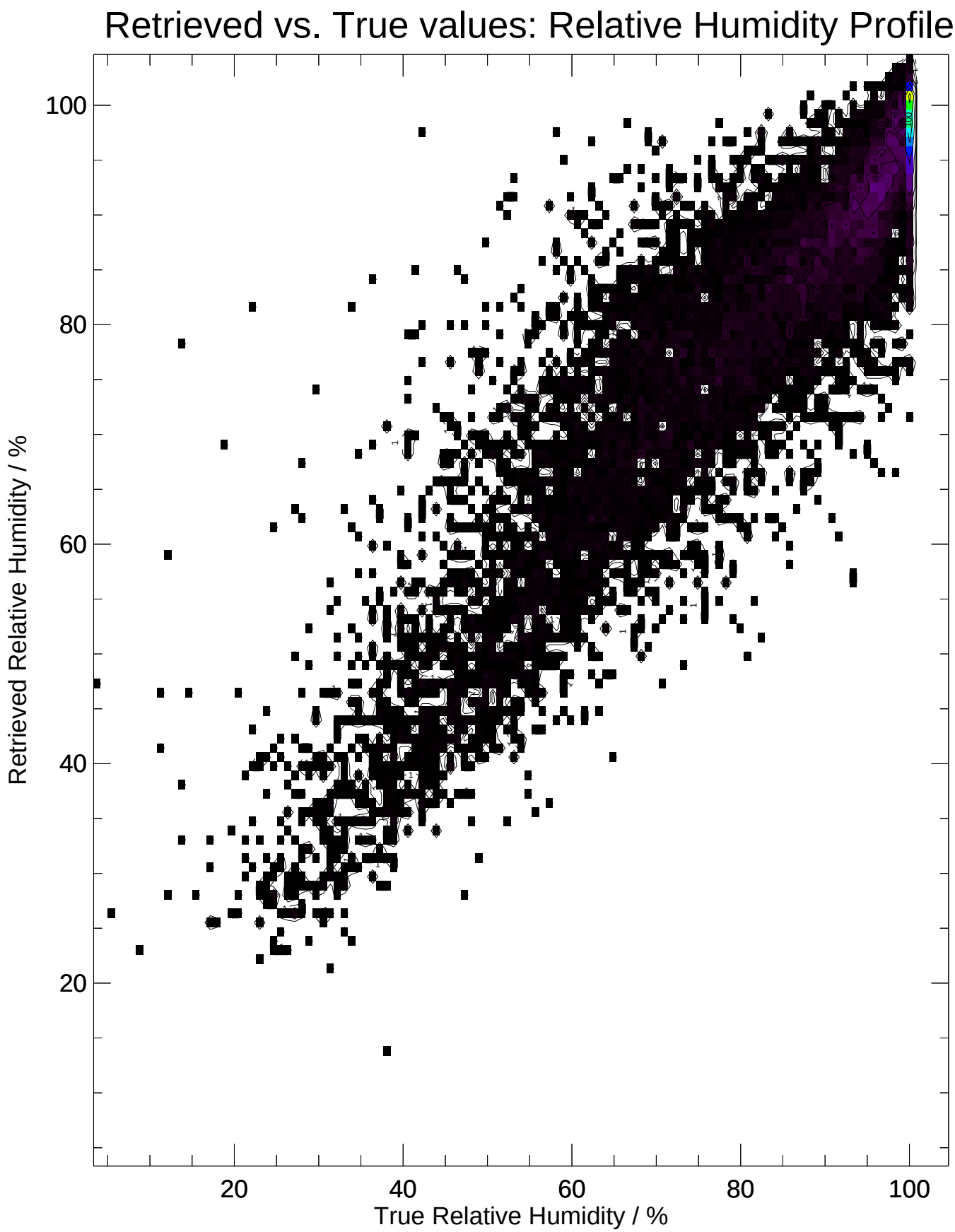

Relative Error (amplitude dependent)
Z = 520 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=4
N=5
N=21
N=85
N=131
N=214
N=276
N=354
N=426
N=540
N=718
N=759
N=865
N=953
N=1339
N=3130

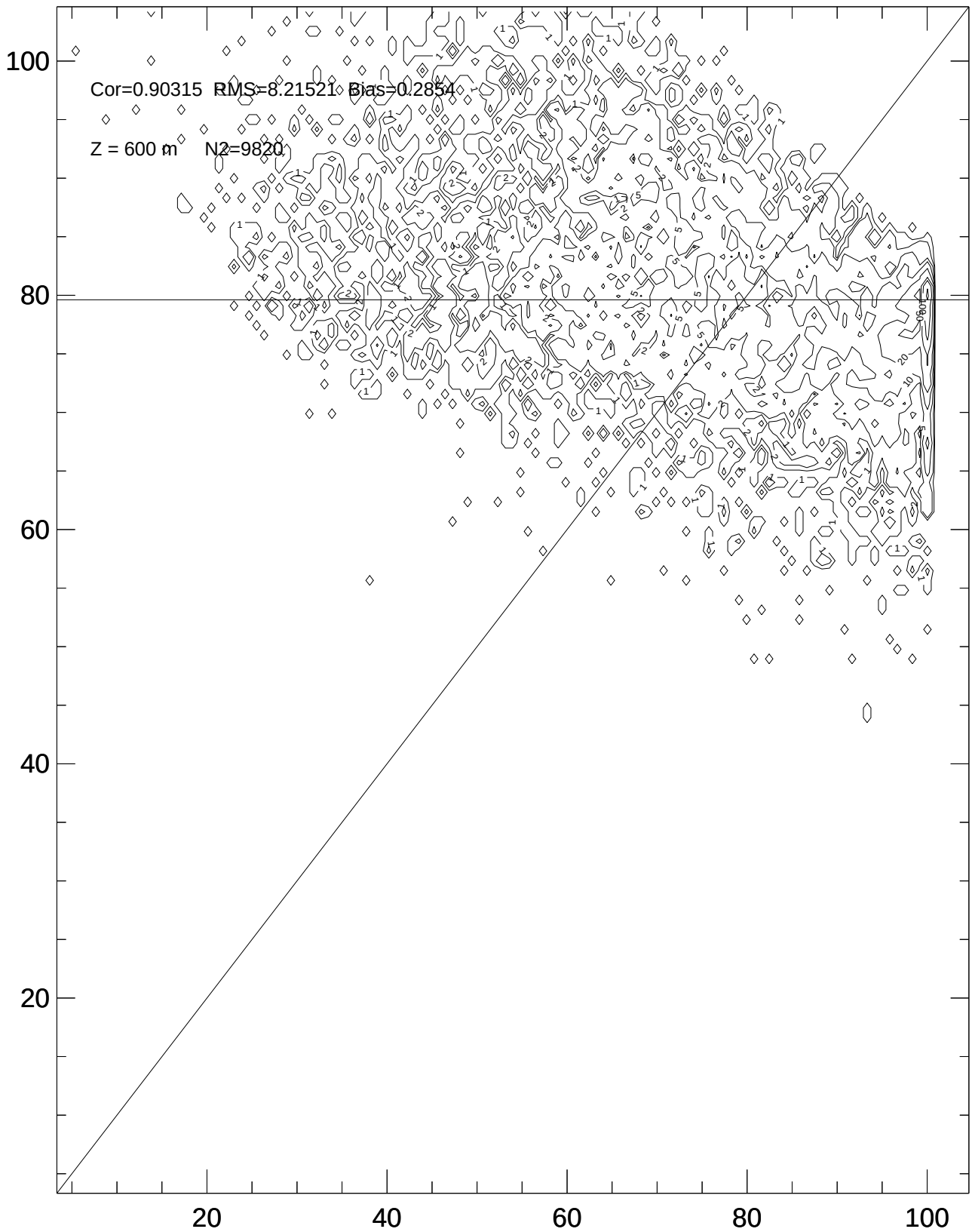

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

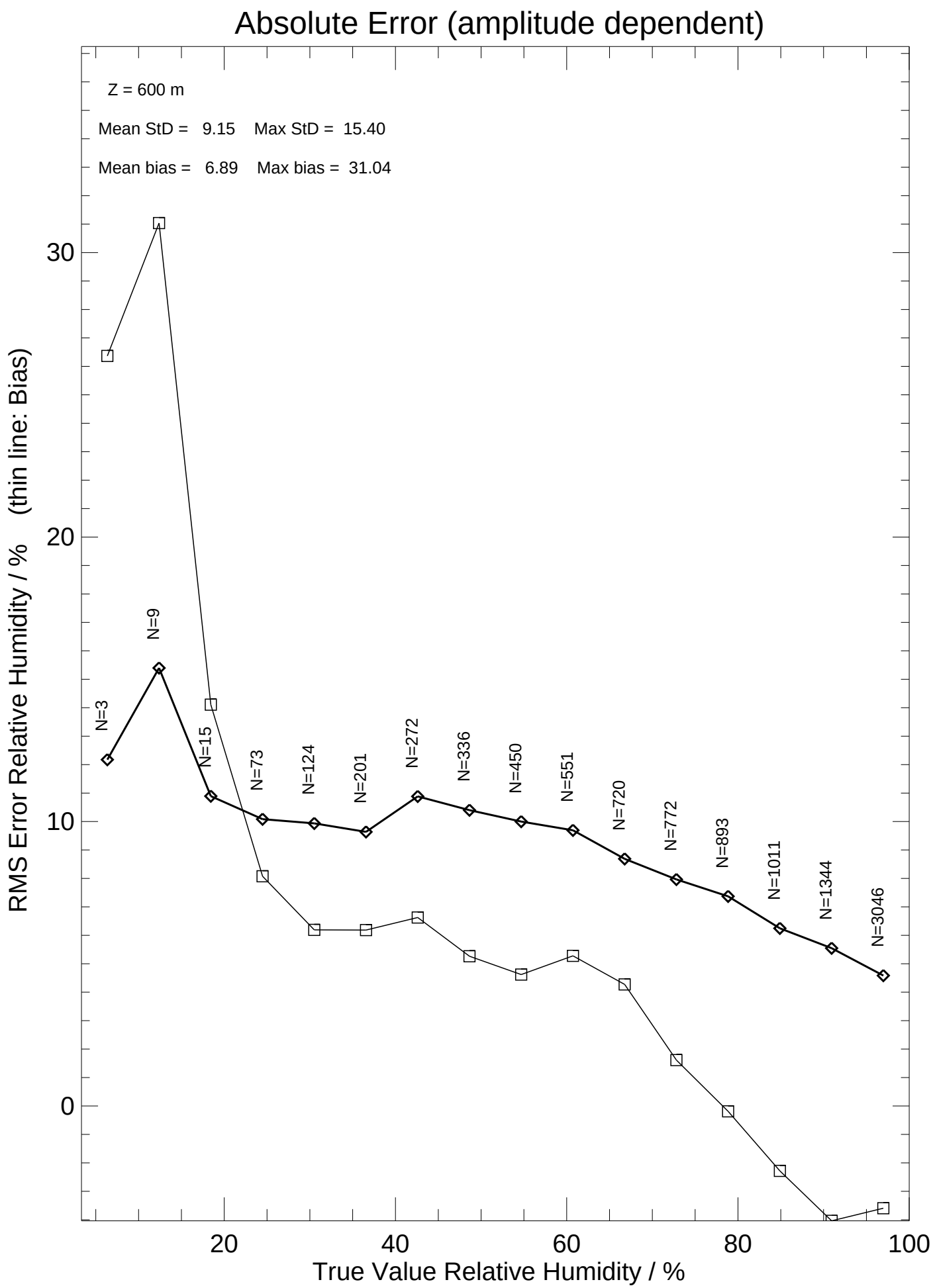

Cor=0.90374 RMS=8.23832 Bias=0.2788
Z = 560 m N2=9820
100
80
60
40
20
20
40
60
80
100

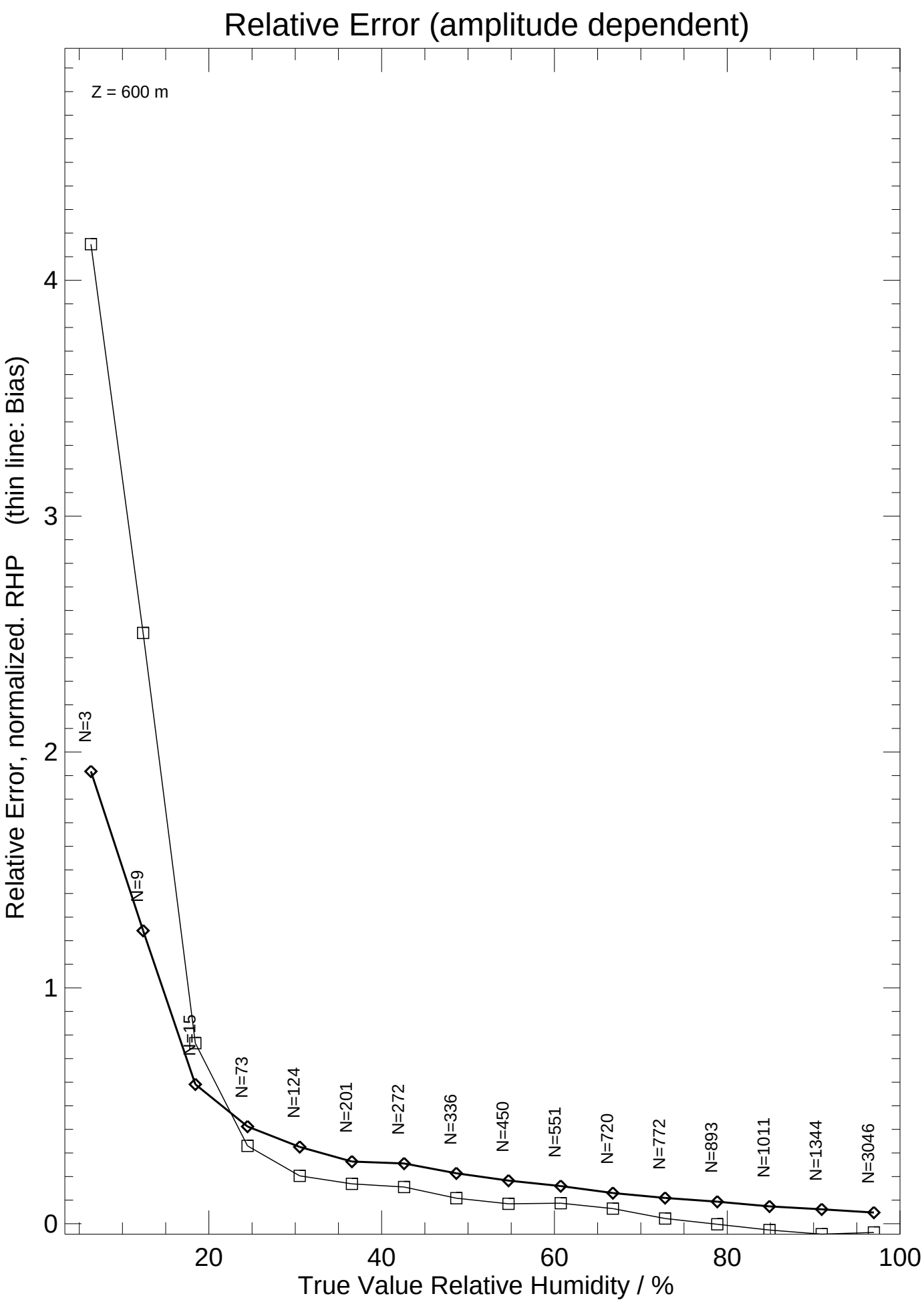

Absolute Error (amplitude dependent)
Z = 560 m
Mean StD = 8.92 Max StD = 14.34
Mean bias = 6.62 Max bias = 22.72
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=3
N=6
N=18
N=80
N=124
N=209
N=271
N=329
N=453
N=547
N=700
N=777
N=881
N=984
N=1350
N=3088

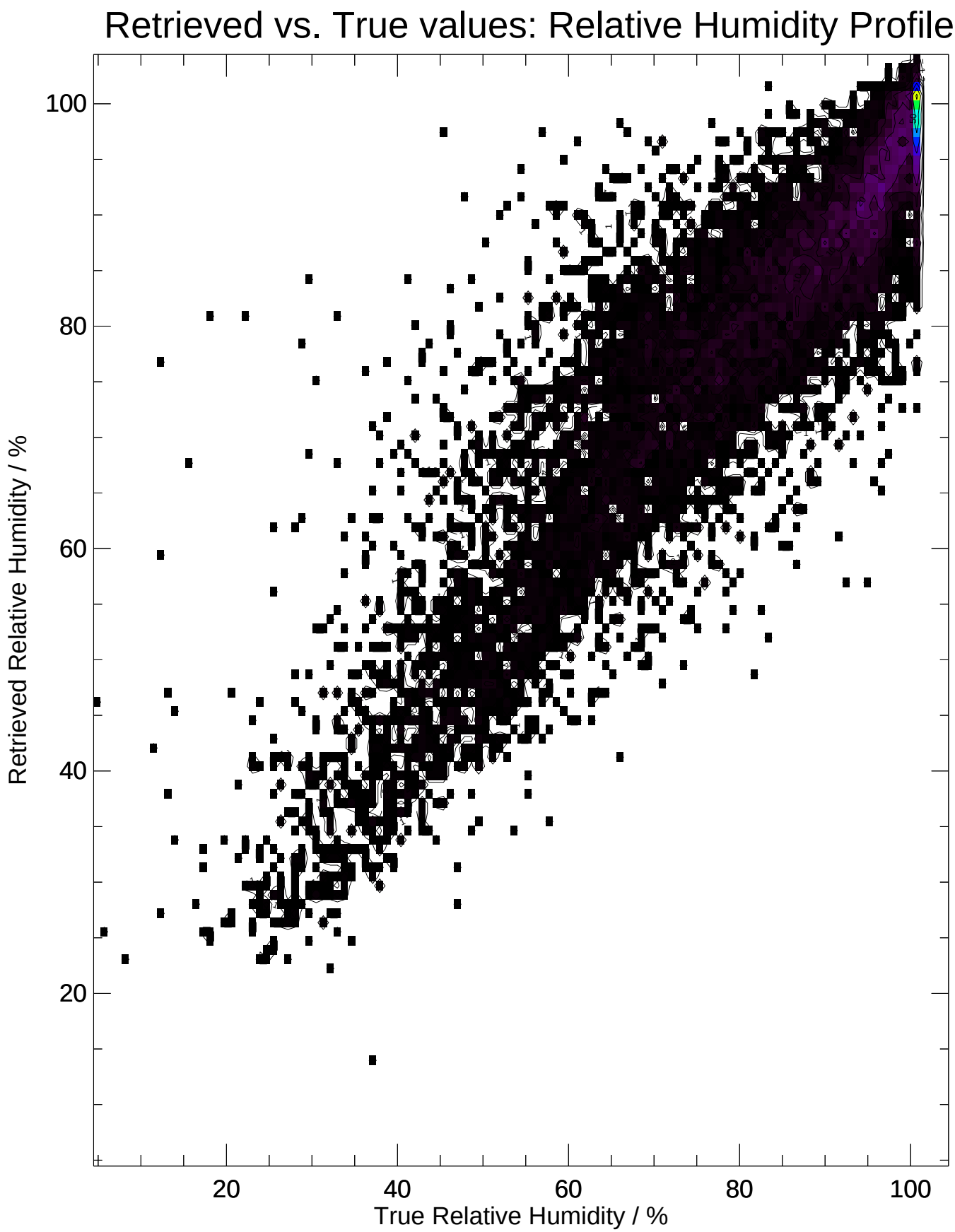

Relative Error (amplitude dependent)
Z = 560 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=3
N=6
N=18
N=80
N=124
N=209
N=271
N=329
N=453
N=547
N=700
N=777
N=881
N=984
N=1350
N=3088

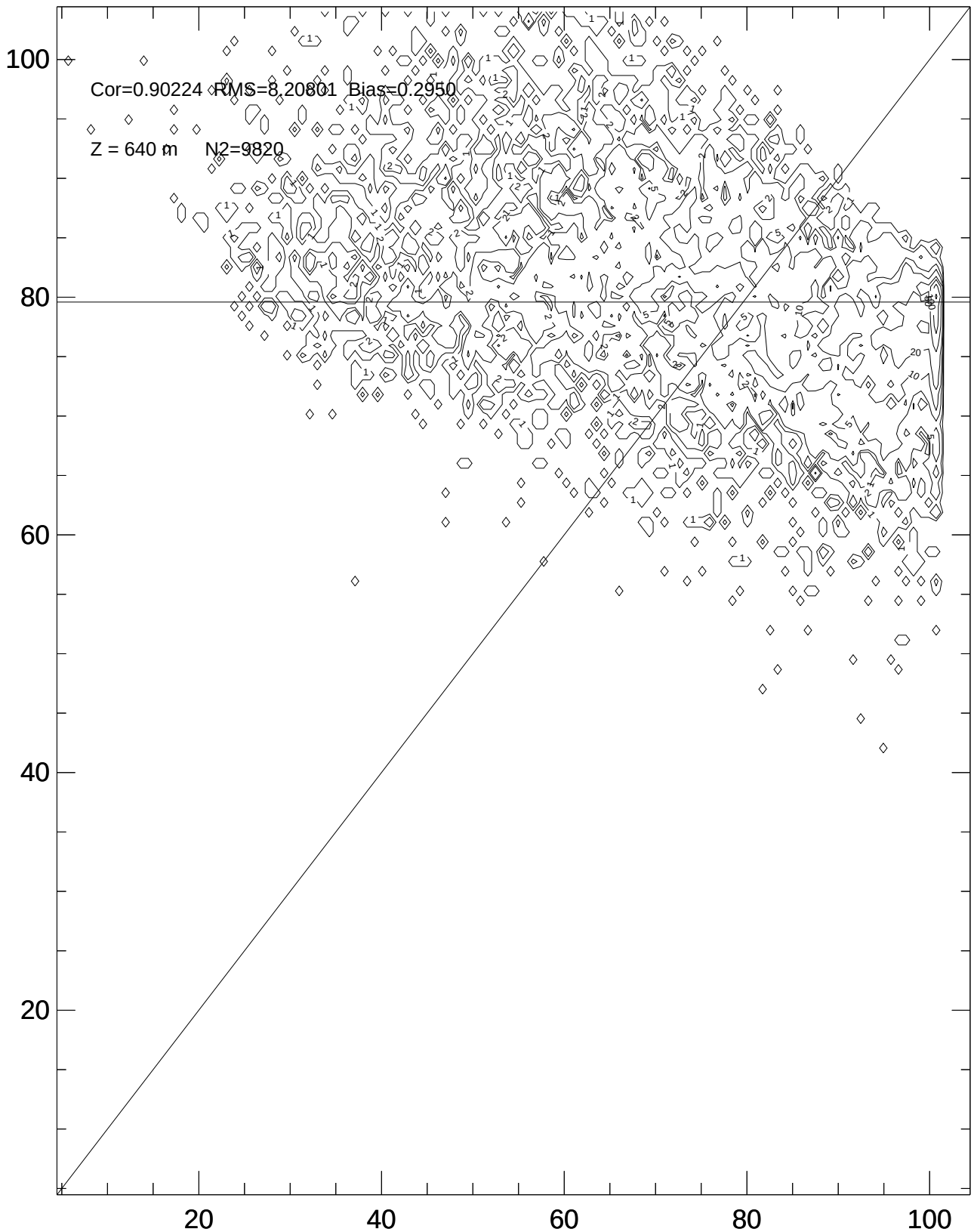

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

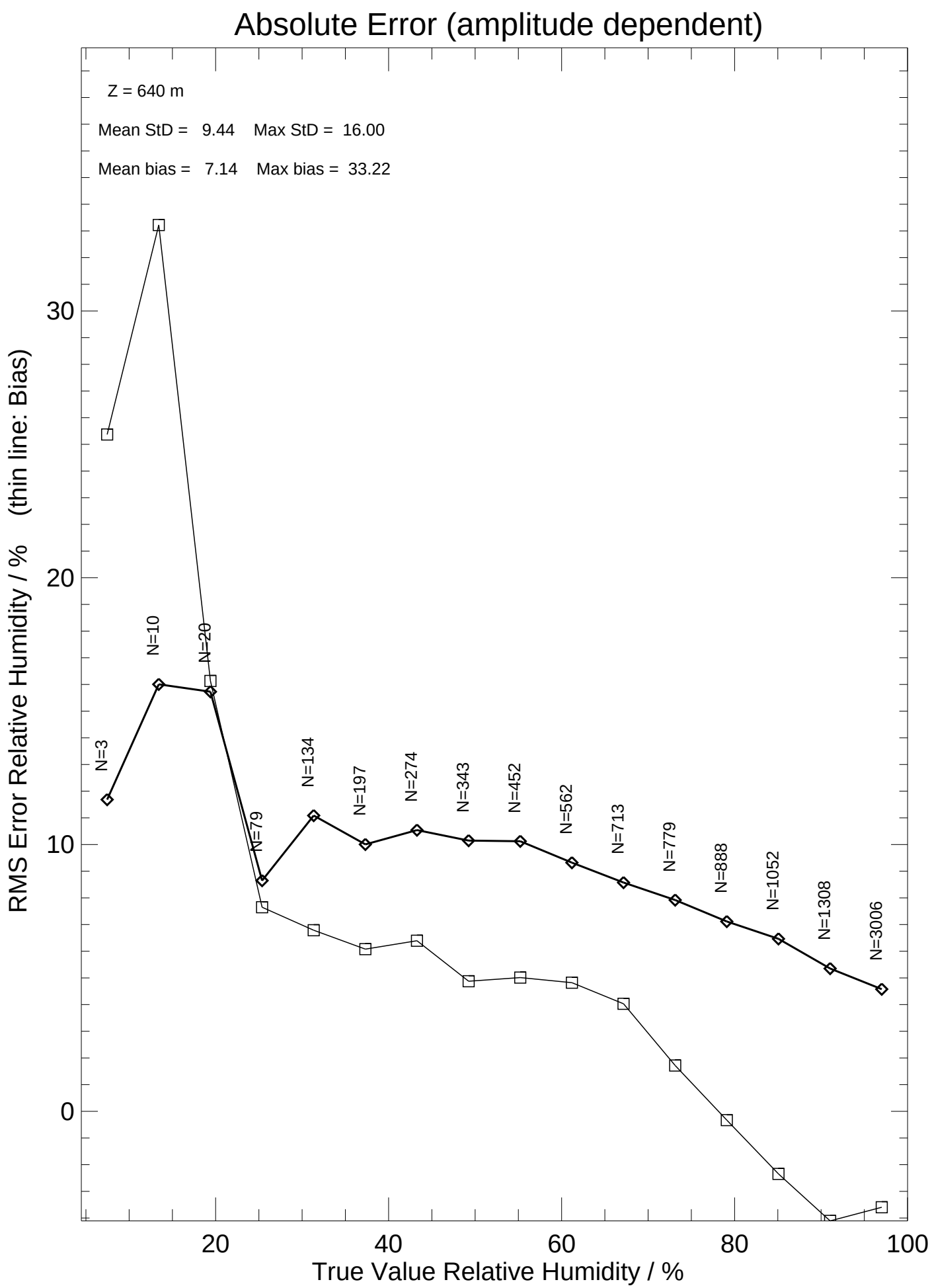

Cor=0.90315 RMS=8.21521 Bias=0.2854
Z = 600 m N2=9820
100
80
60
40
20
20
40
60
80
100

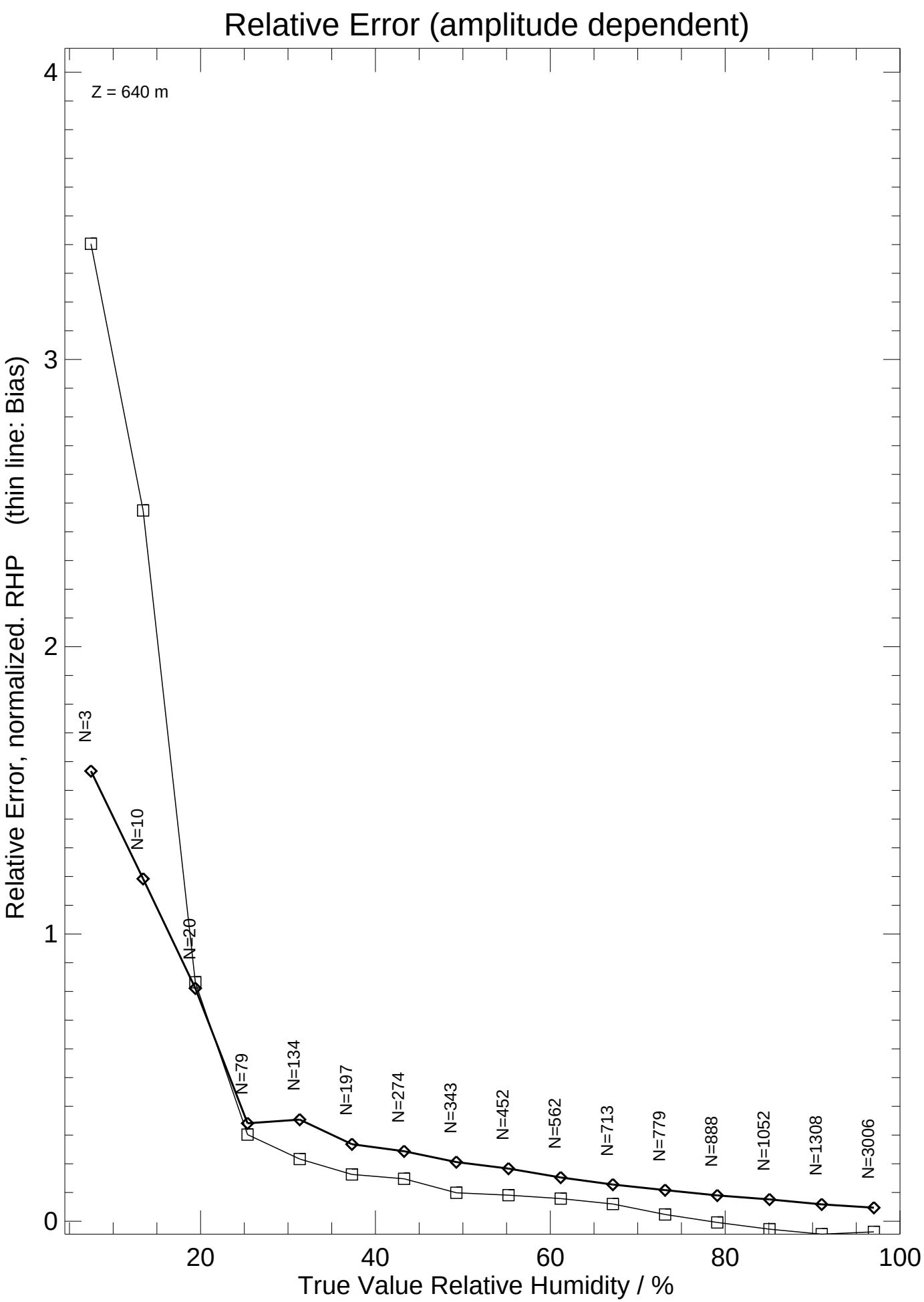

Absolute Error (amplitude dependent)
Z = 600 m
Mean StD = 9.15 Max StD = 15.40
Mean bias = 6.89 Max bias = 31.04
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=3
N=9
N=15
N=73
N=124
N=201
N=272
N=336
N=450
N=551
N=720
N=772
N=893
N=1011
N=1344
N=3046

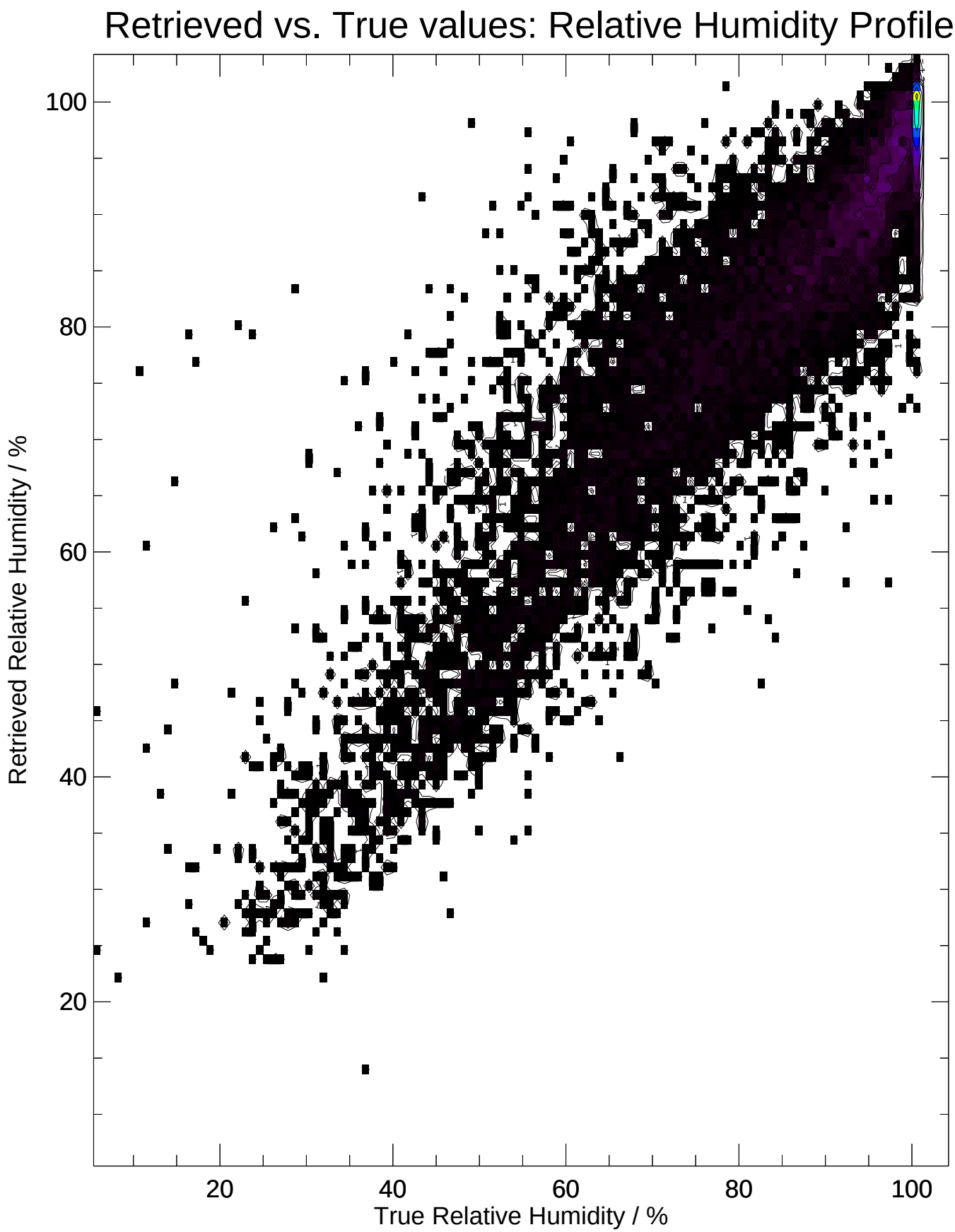

Relative Error (amplitude dependent)
Z = 600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=3
N=9
N=15
N=73
N=124
N=201
N=272
N=336
N=450
N=551
N=720
N=772
N=893
N=1011
N=1344
N=3046

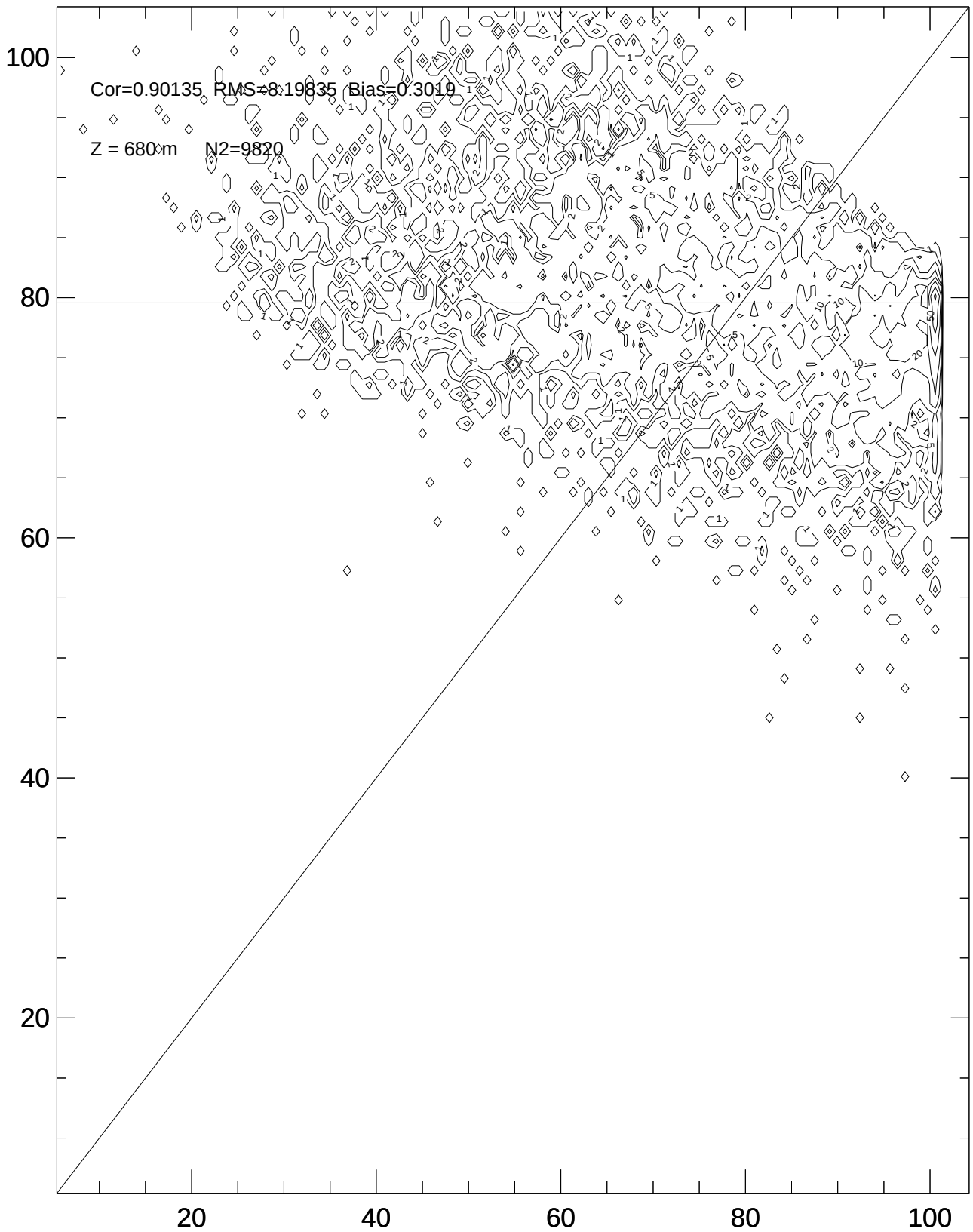

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

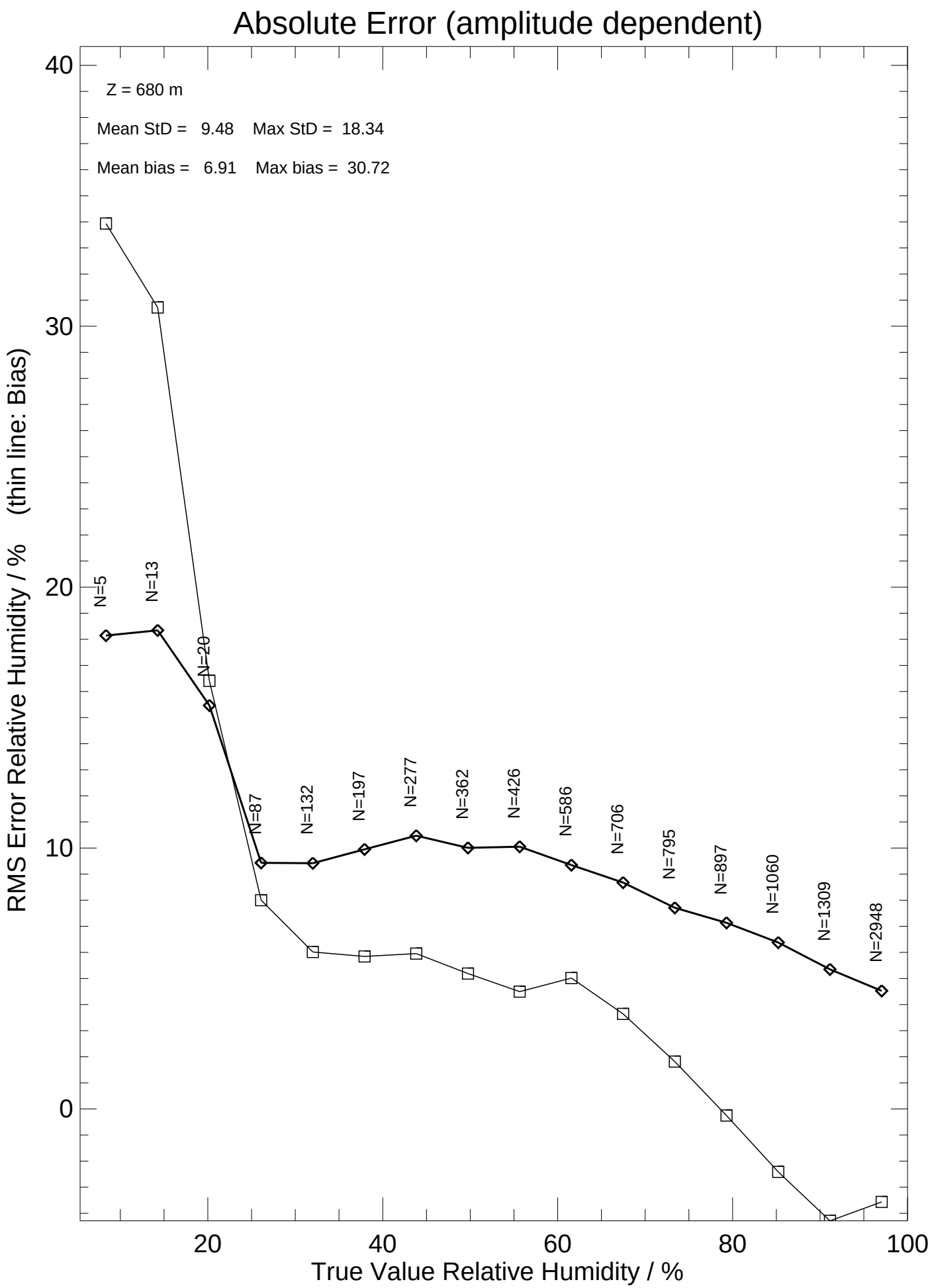

Cor=0.90224 RMS=8.20801 Bias=0.2950
Z = 640 m N2=9820
100
80
60
40
20
20
40
60
80
100

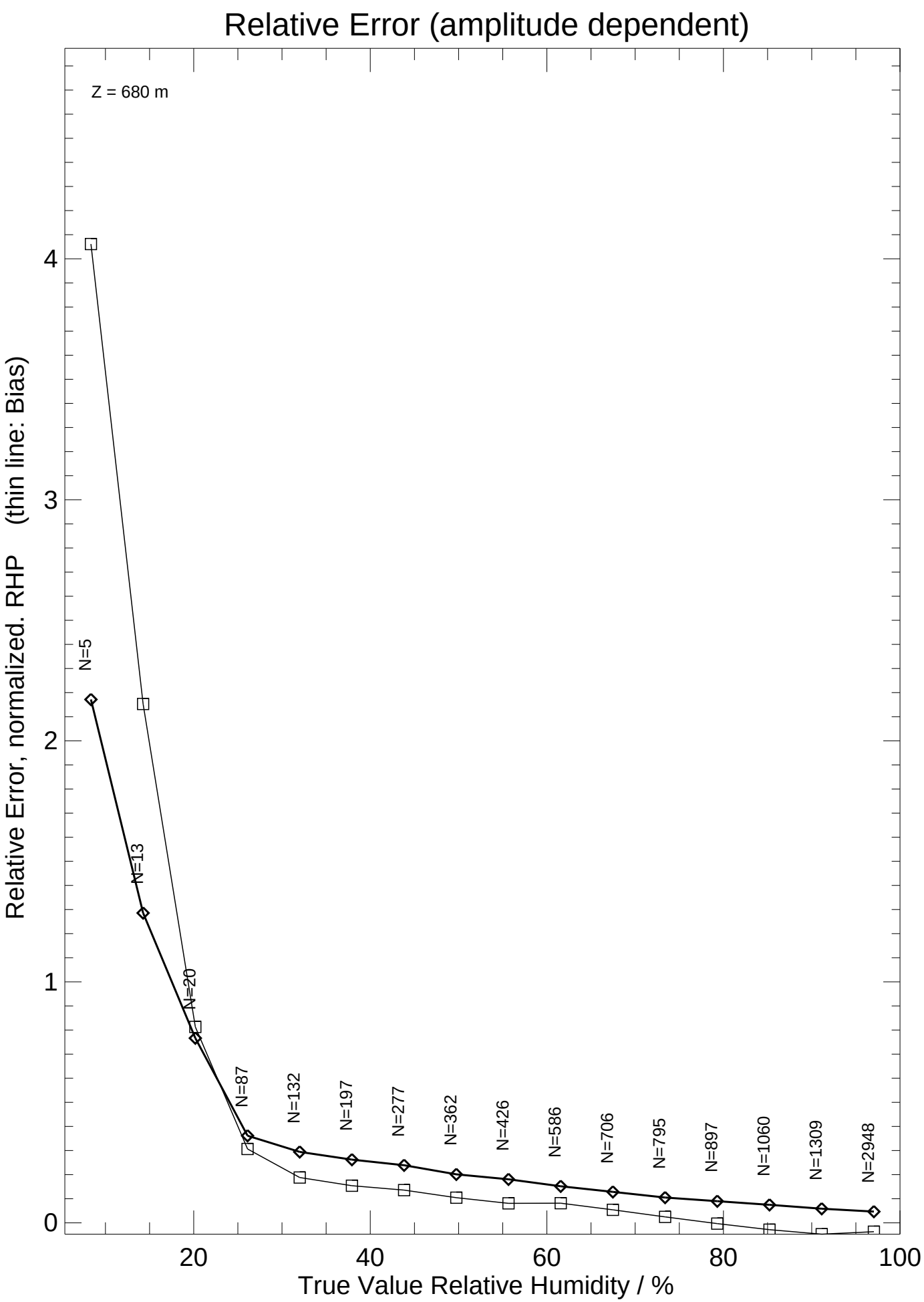

Absolute Error (amplitude dependent)
Z = 640 m
Mean StD = 9.44 Max StD = 16.00
Mean bias = 7.14 Max bias = 33.22
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=3
N=10
N=20
N=79
N=134
N=197
N=274
N=343
N=452
N=562
N=713
N=779
N=888
N=1052
N=1308
N=3006

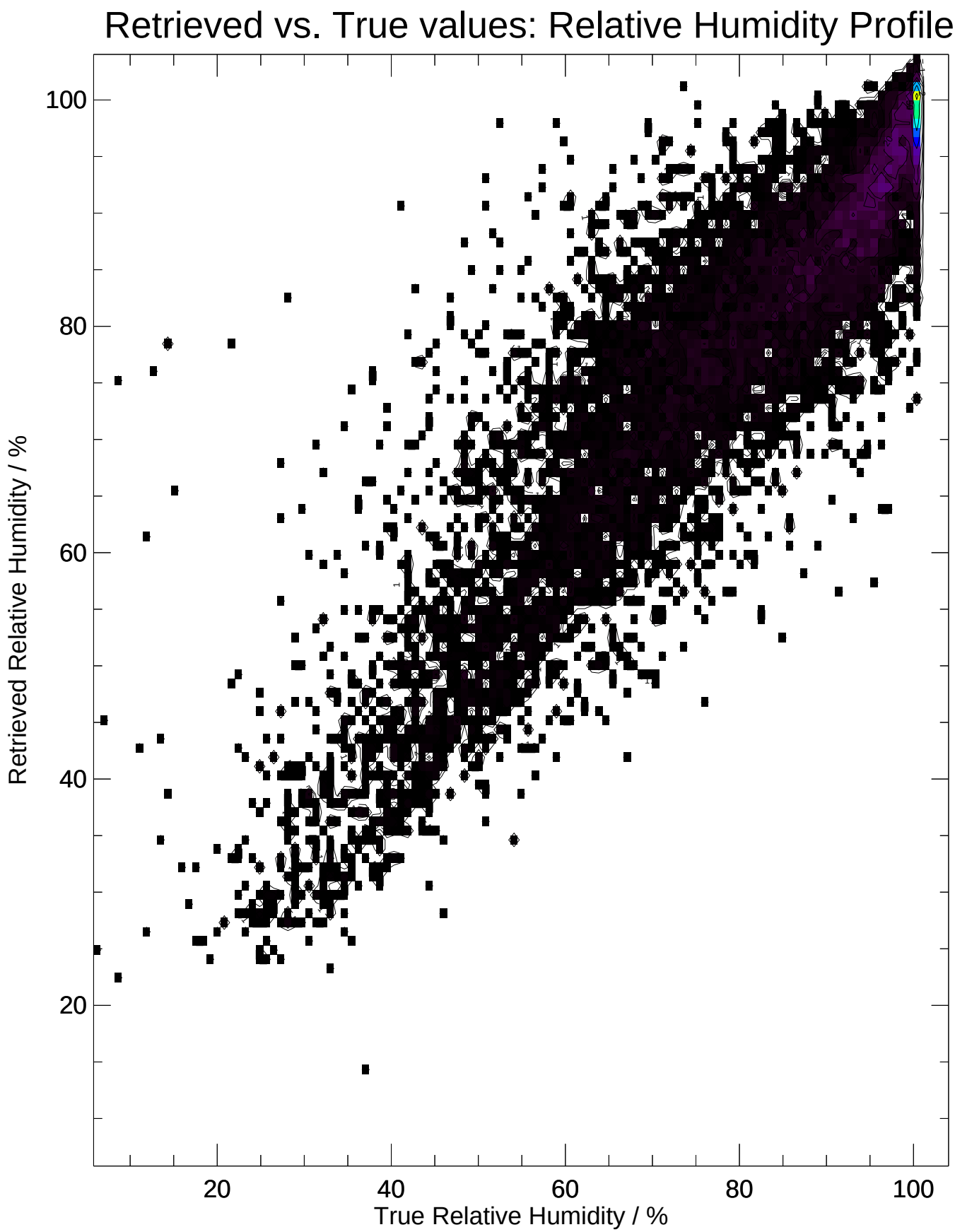

Relative Error (amplitude dependent)
Z = 640 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=3
N=10
N=20
N=79
N=134
N=197
N=274
N=343
N=452
N=562
N=713
N=779
N=888
N=1052
N=1308
N=3006

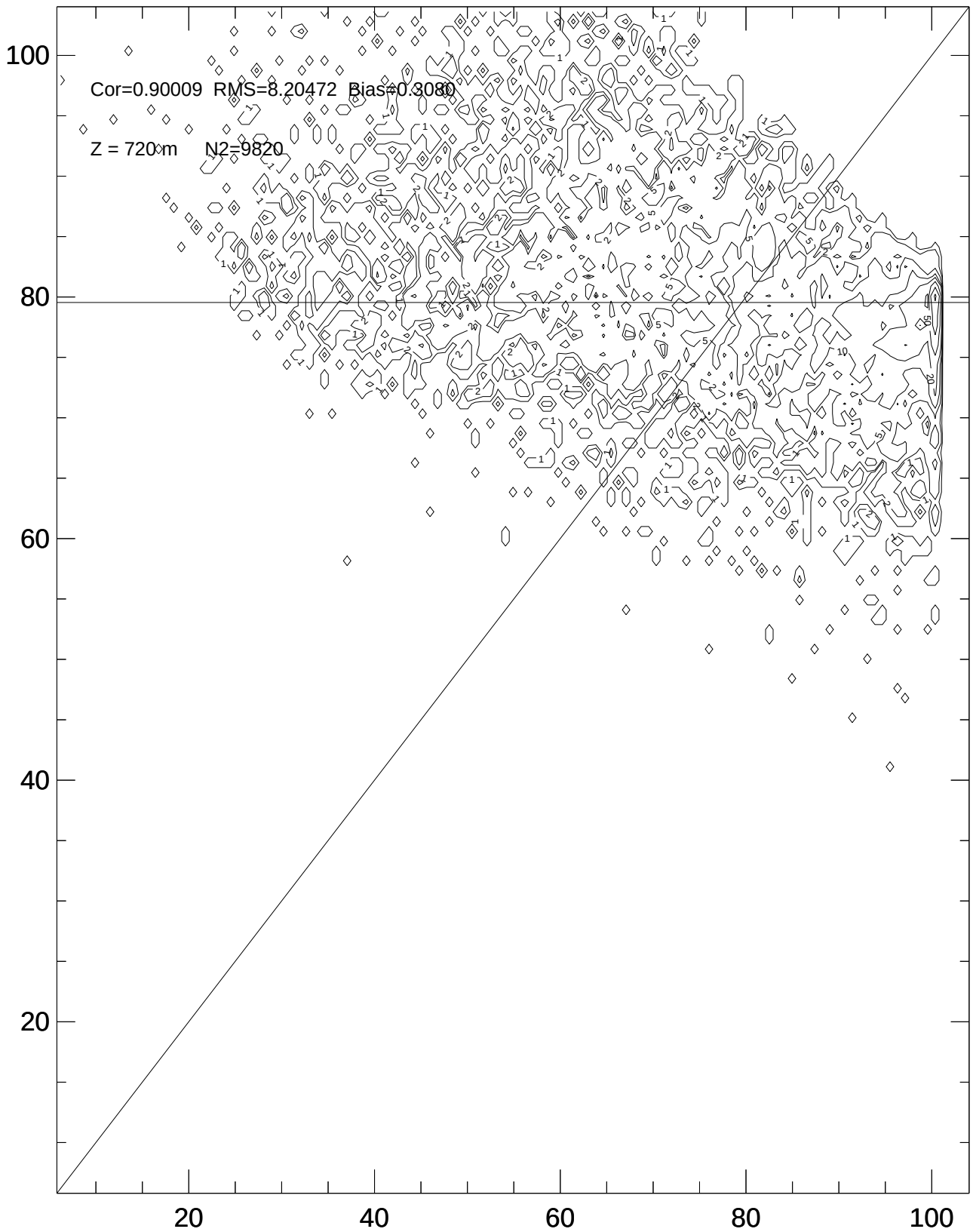

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

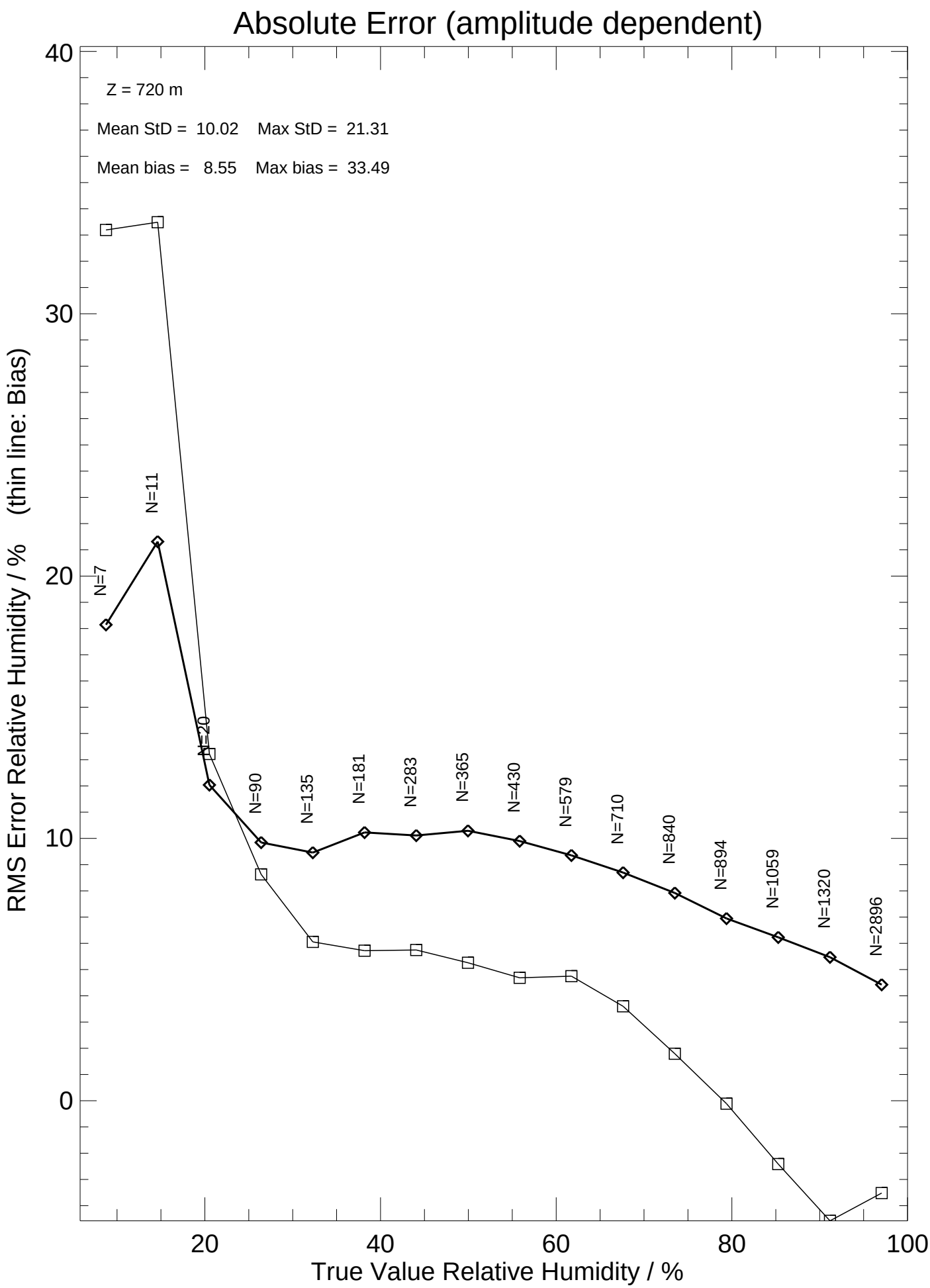

Cor=0.90135 RMS=8.19835 Bias=0.3019
Z = 680◊m N2=9820
100
80
60
40
20
20
40
60
80
100

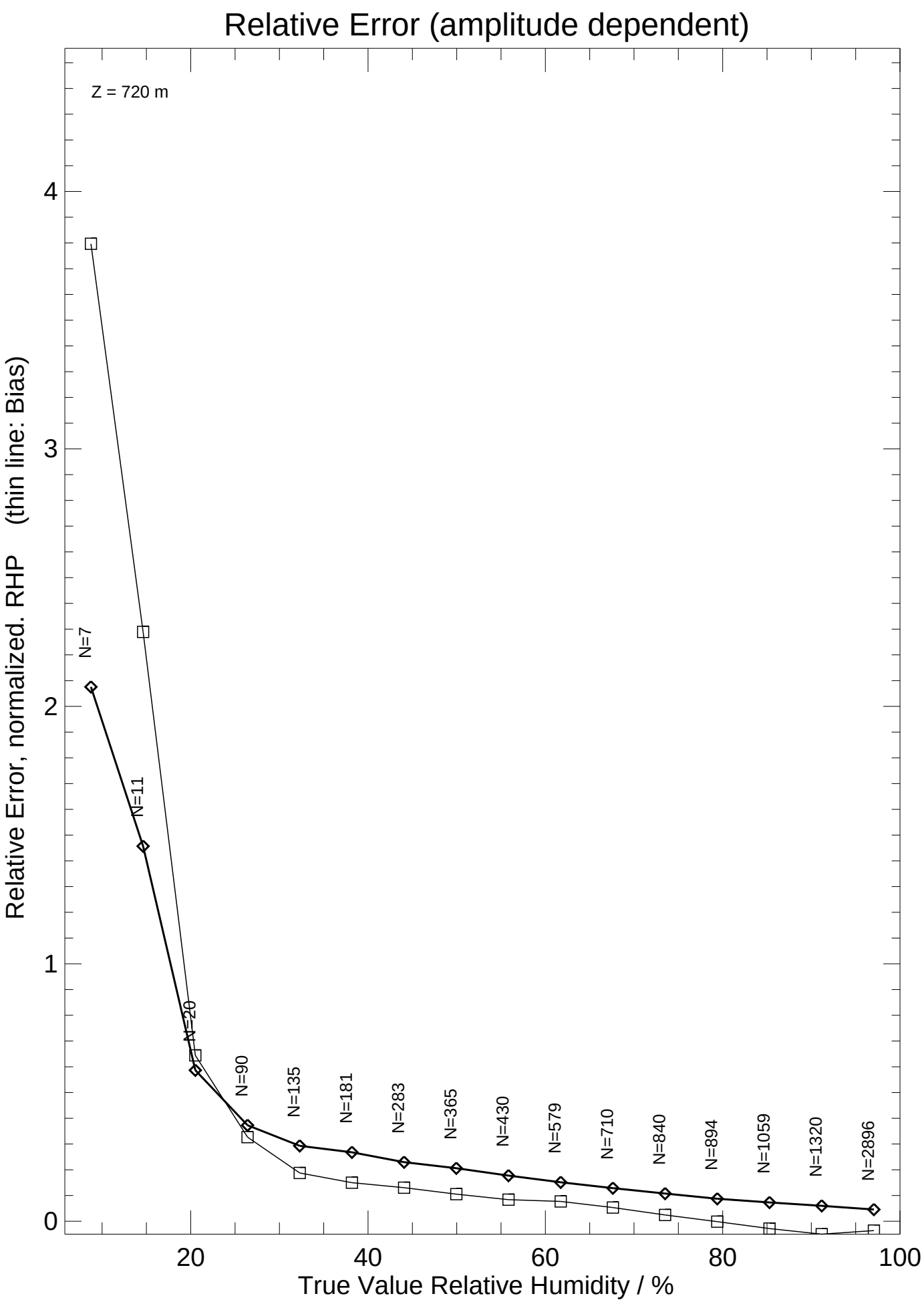

Absolute Error (amplitude dependent)
Z = 680 m
Mean StD = 9.48 Max StD = 18.34
Mean bias = 6.91 Max bias = 30.72
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=5
N=13
N=20
N=87
N=132
N=197
N=277
N=362
N=426
N=586
N=706
N=795
N=897
N=1060
N=1309
N=2948

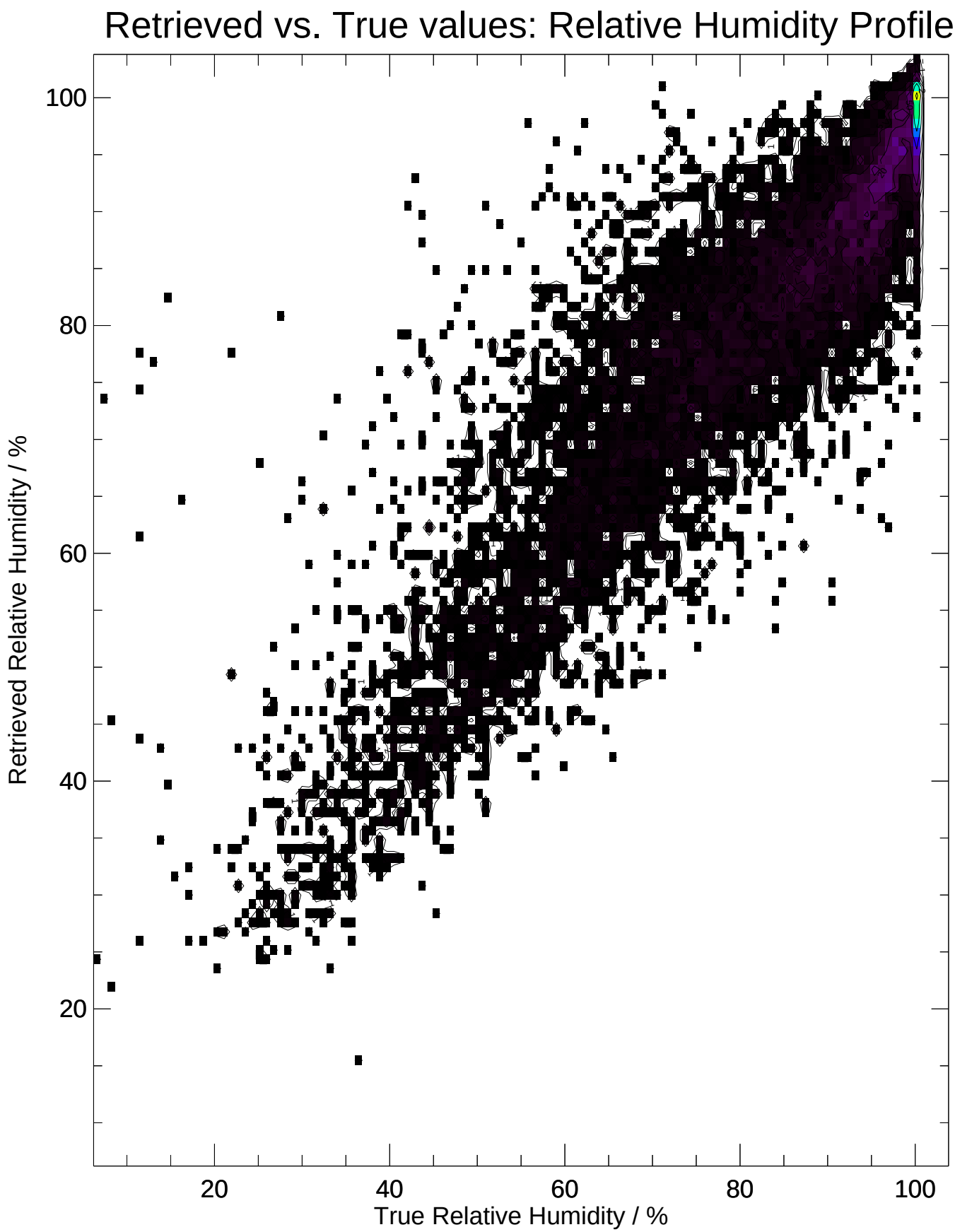

Relative Error (amplitude dependent)
Z = 680 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=5
N=13
N=20
N=87
N=132
N=197
N=277
N=362
N=426
N=586
N=706
N=795
N=897
N=1060
N=1309
N=2948

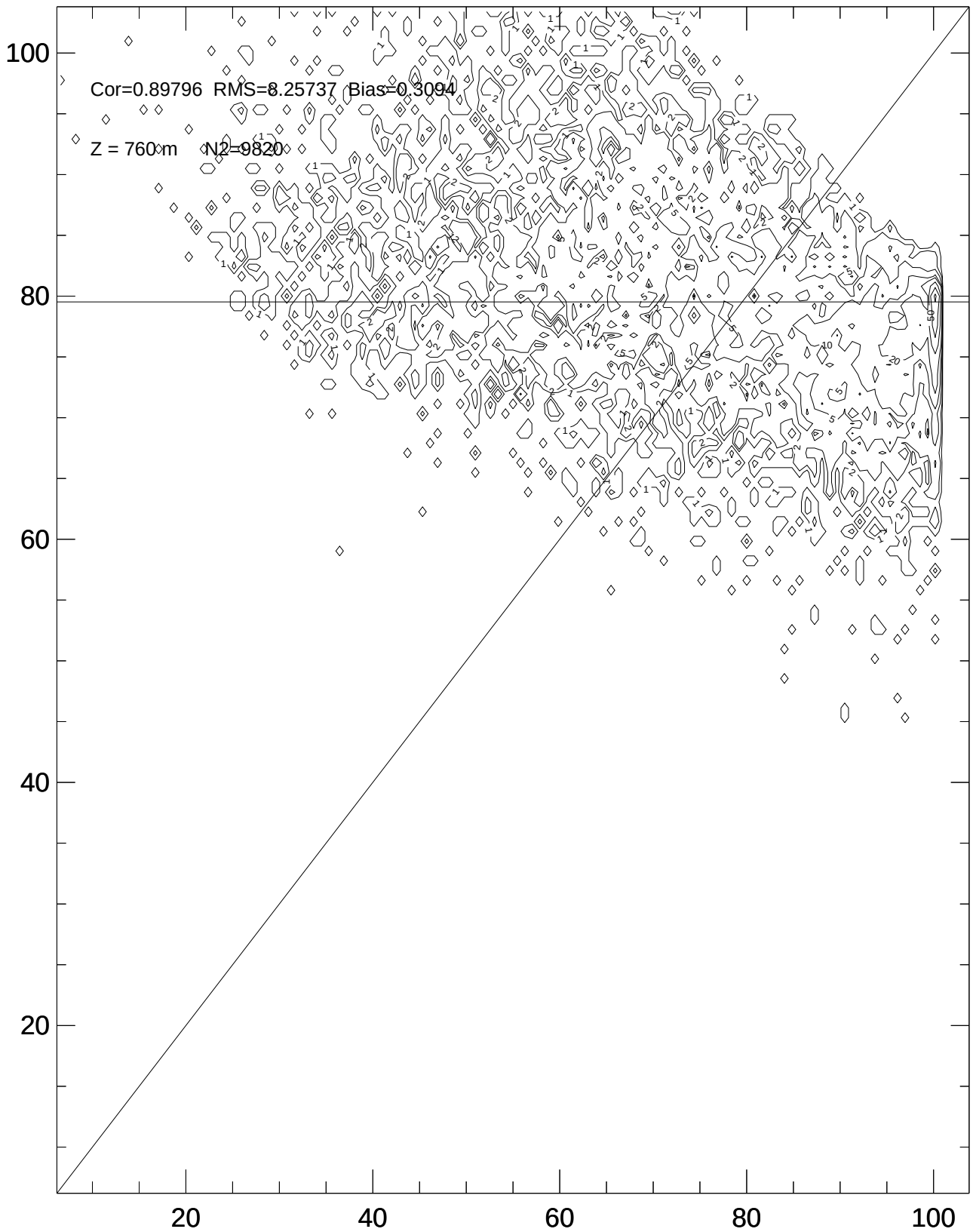

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

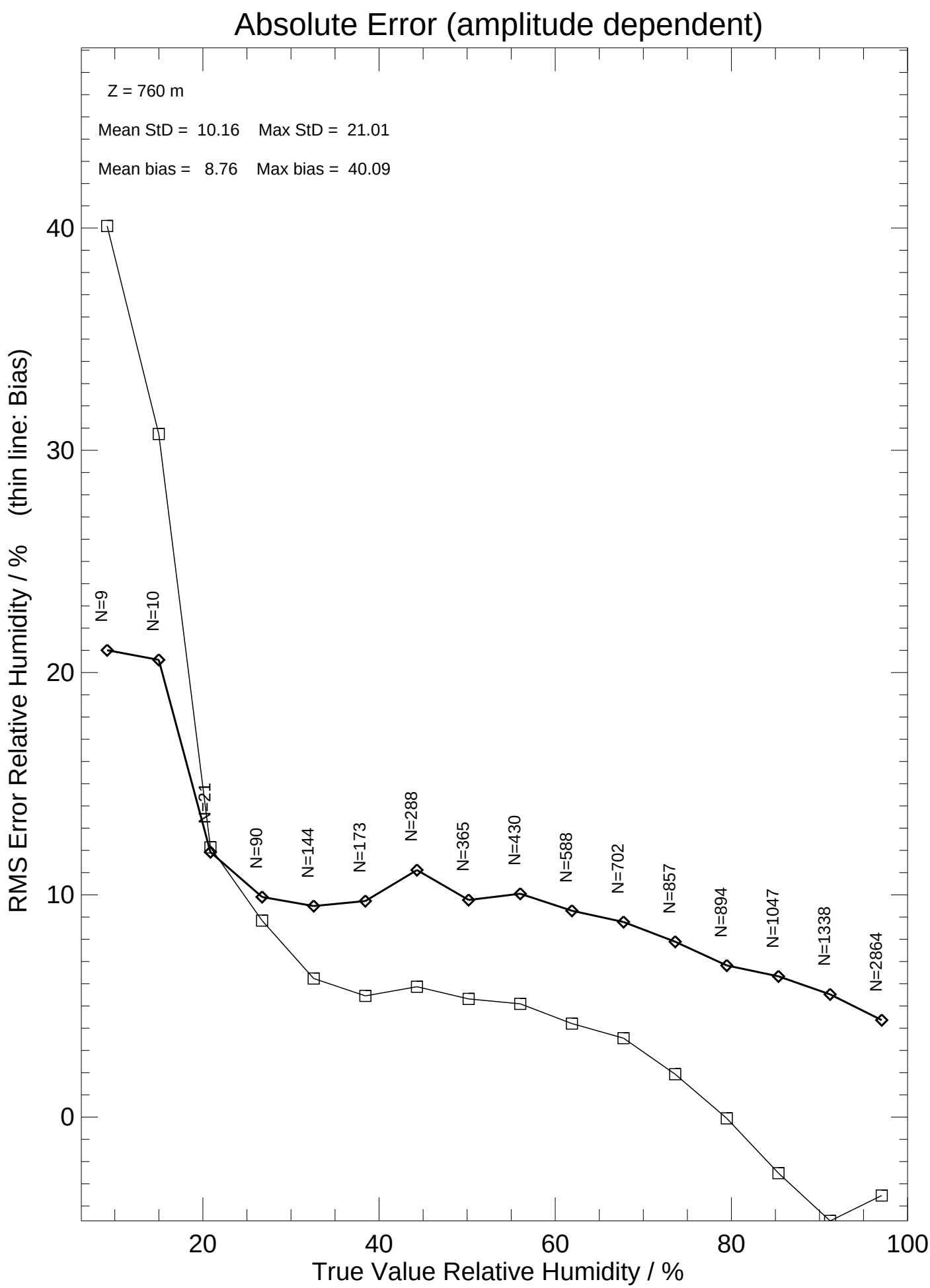

Cor=0.90009 RMS=8.20472 Bias=0.30800
Z = 720 m N2=9820
100
80
60
40
20
20
40
60
80
100

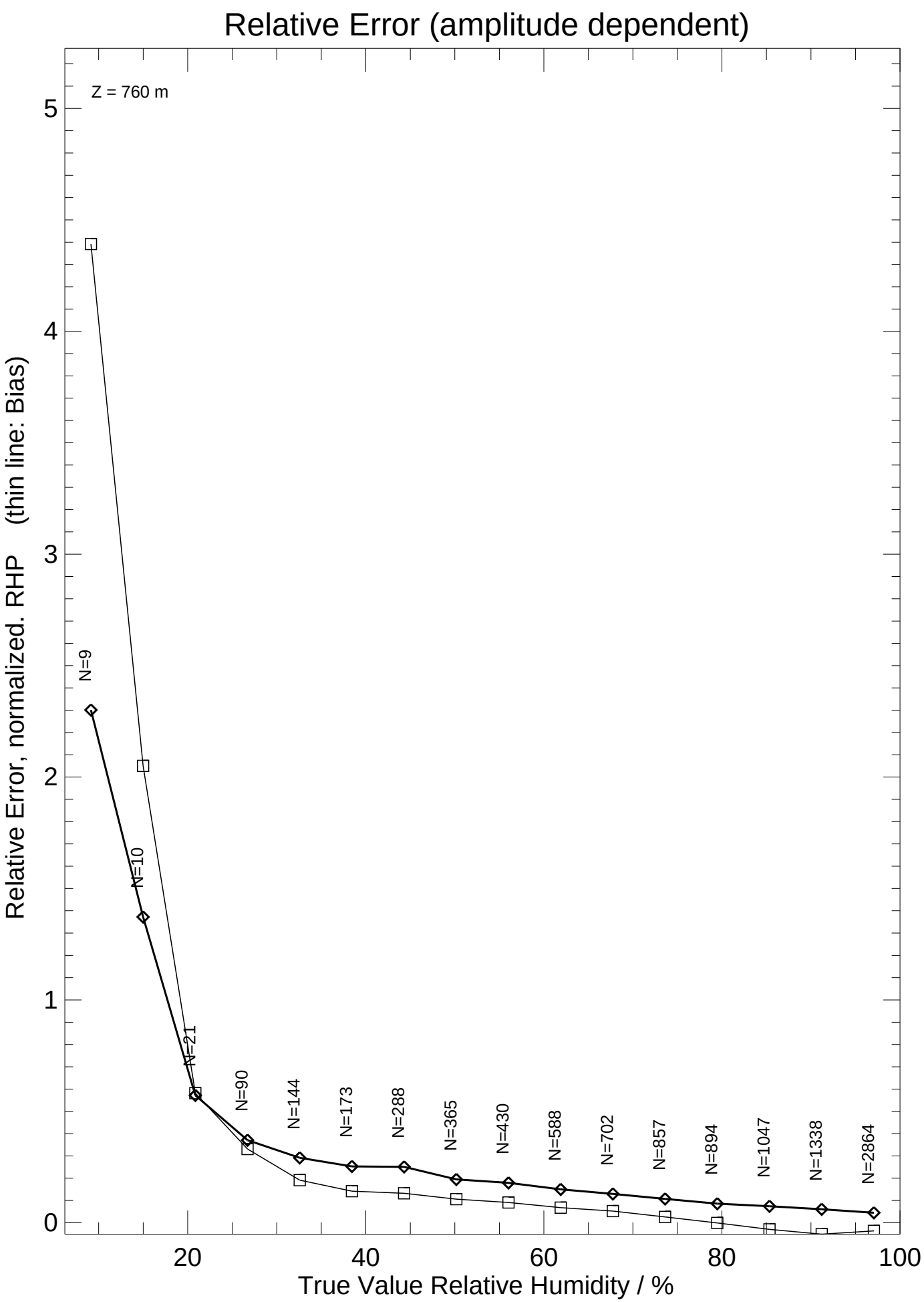

Absolute Error (amplitude dependent)
Z = 720 m
Mean StD = 10.02 Max StD = 21.31
Mean bias = 8.55 Max bias = 33.49
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=7
N=11
N=20
N=90
N=135
N=181
N=283
N=365
N=430
N=579
N=710
N=840
N=894
N=1059
N=1320
N=2896

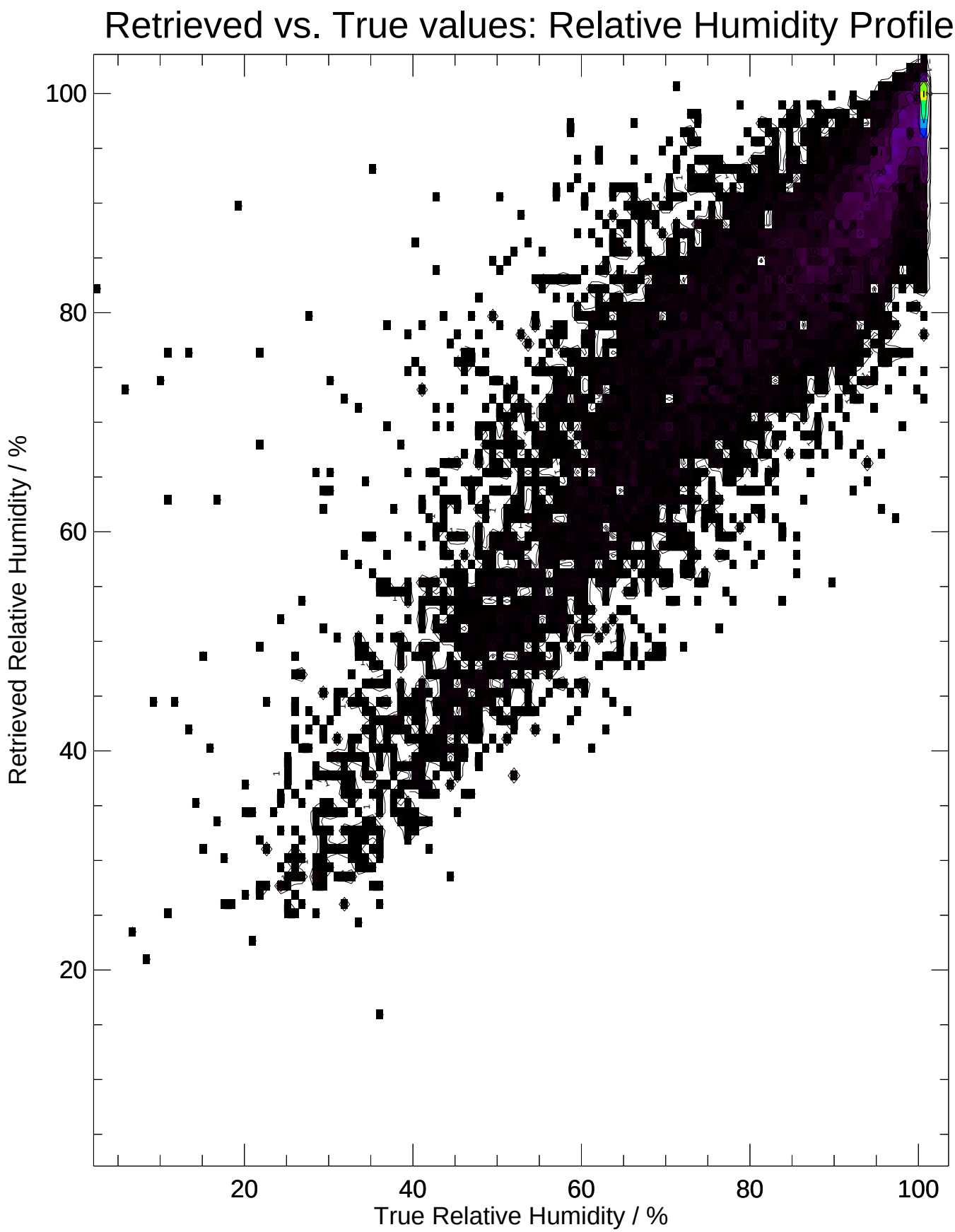

Relative Error (amplitude dependent)
Z = 720 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=7
N=11
N=20
N=90
N=135
N=181
N=283
N=365
N=430
N=579
N=710
N=840
N=894
N=1059
N=1320
N=2896

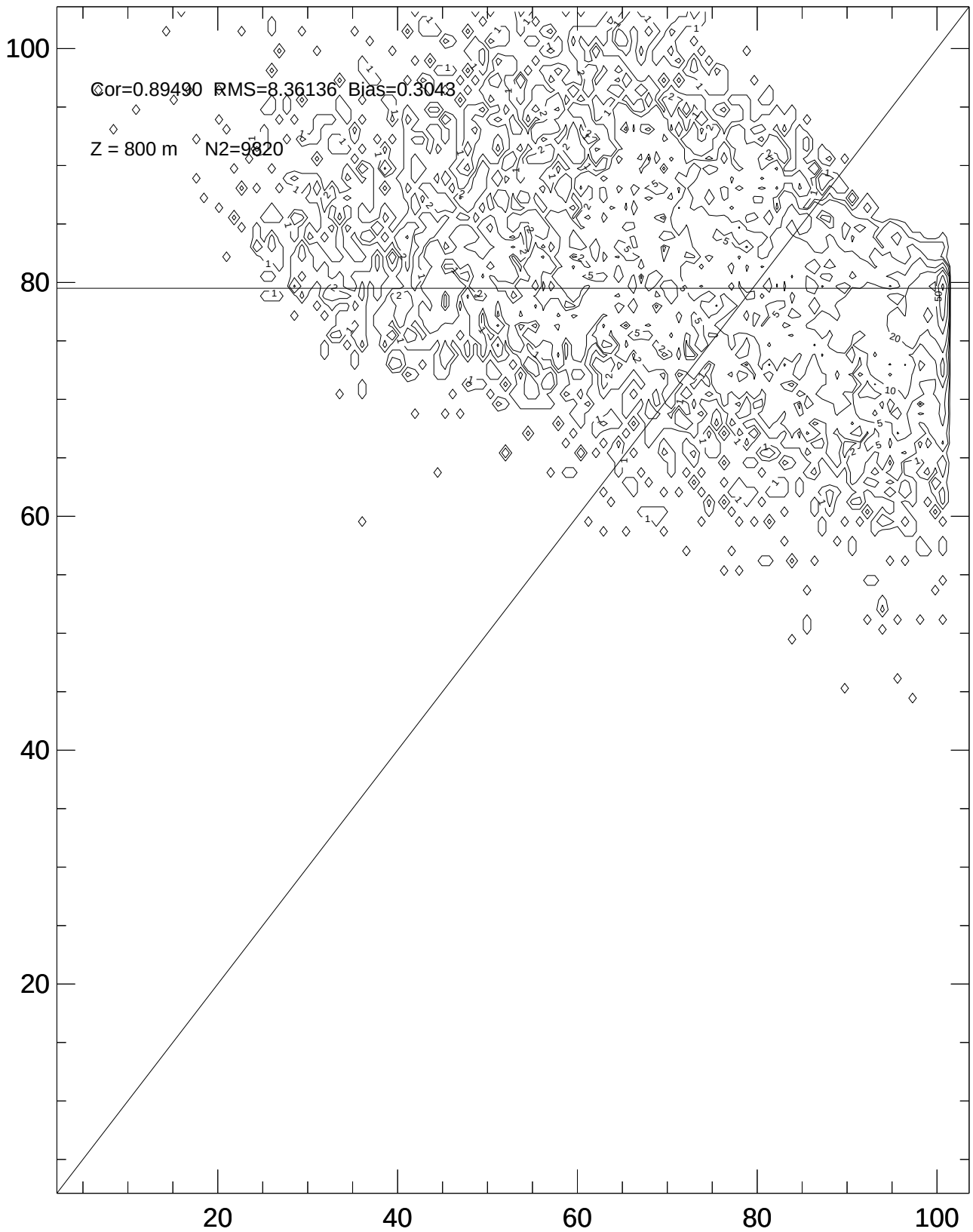

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

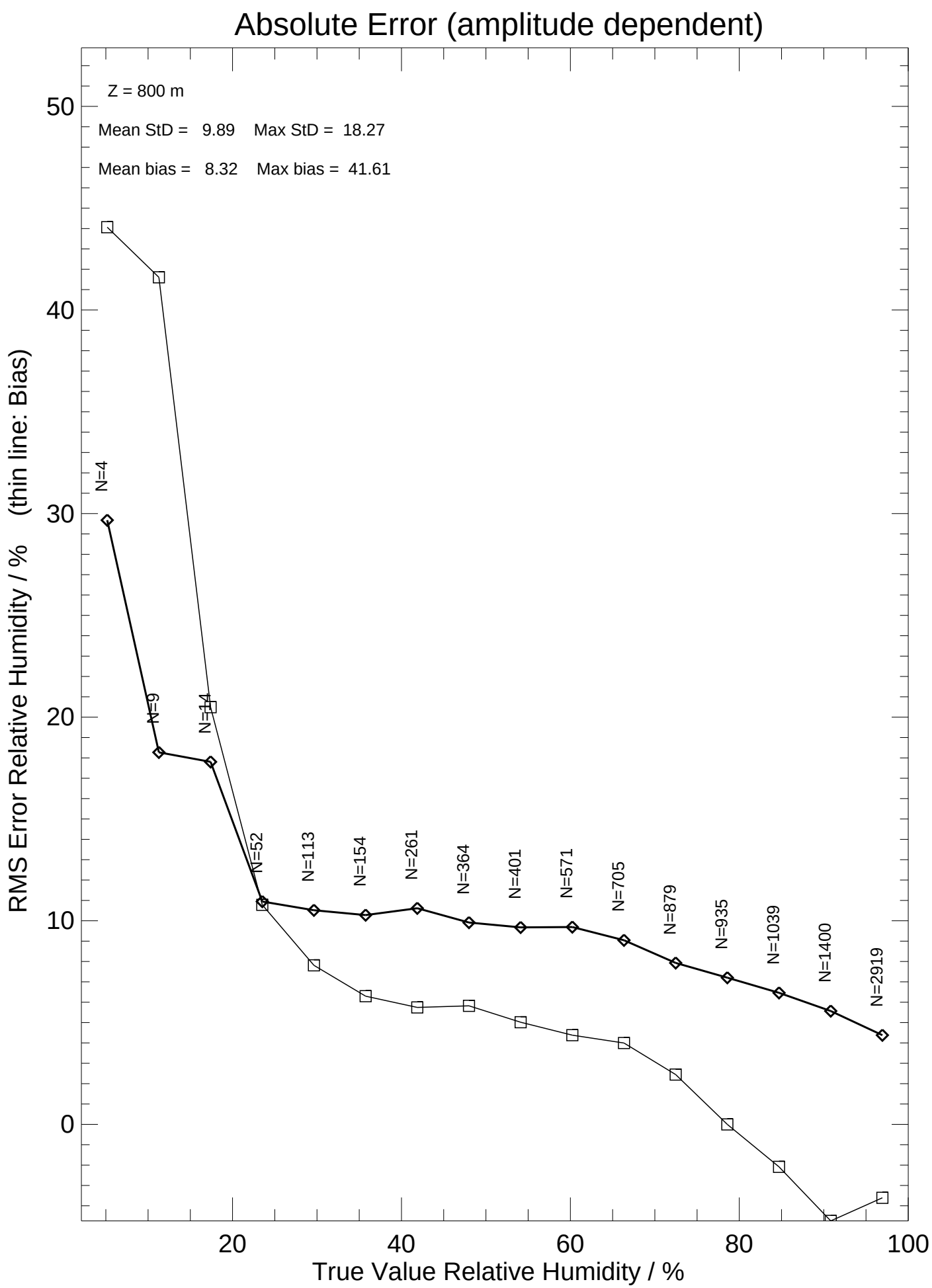

Cor=0.89796 RMS=8.25737 Bias=0.3094
Z = 760 m N2=9820
100
80
60
40
20
20
40
60
80
100

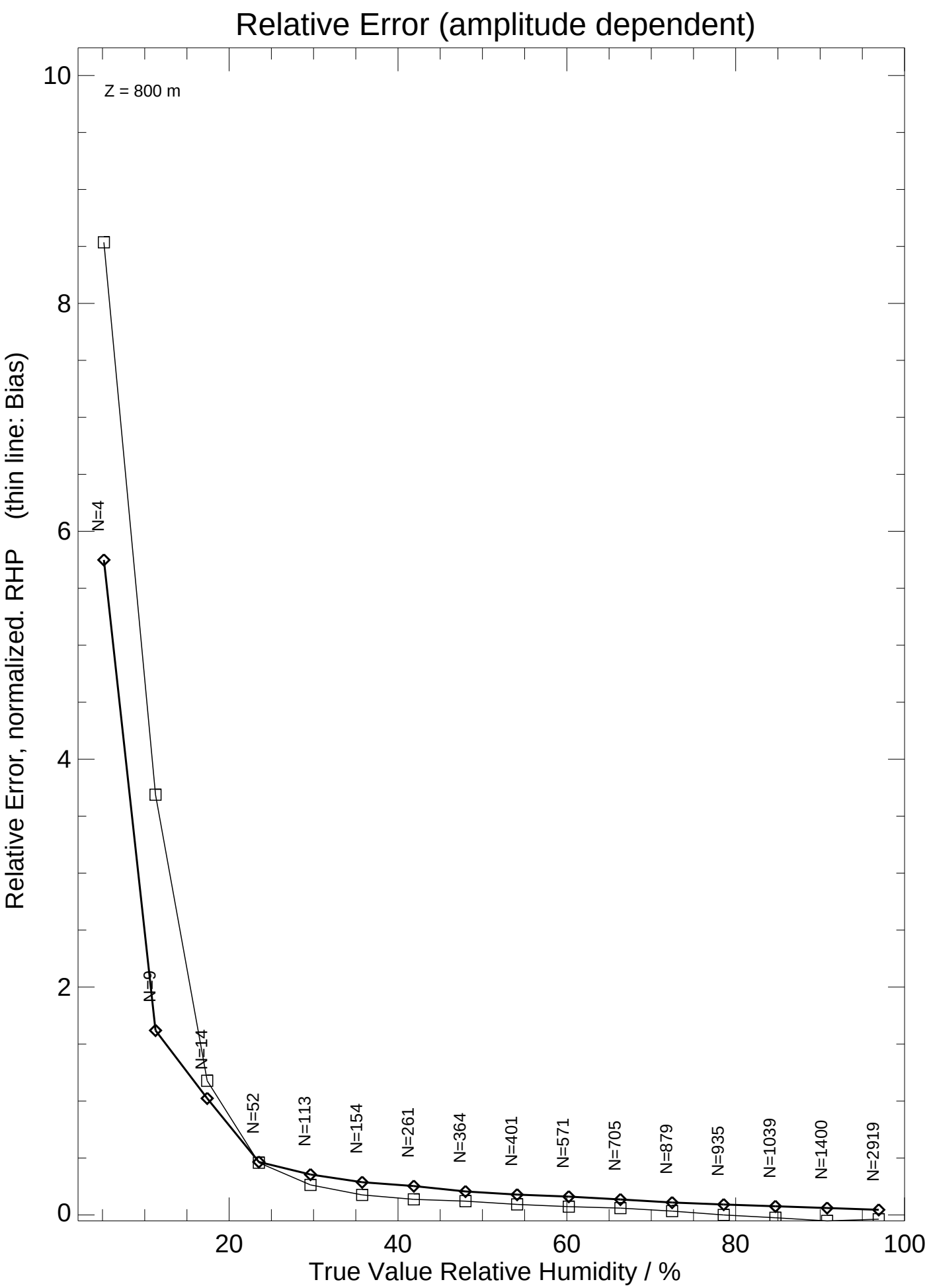

Absolute Error (amplitude dependent)
Z = 760 m
Mean StD = 10.16 Max StD = 21.01
Mean bias = 8.76 Max bias = 40.09
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=9
N=10
N=21
N=90
N=144
N=173
N=288
N=365
N=430
N=588
N=702
N=857
N=894
N=1047
N=1338
N=2864

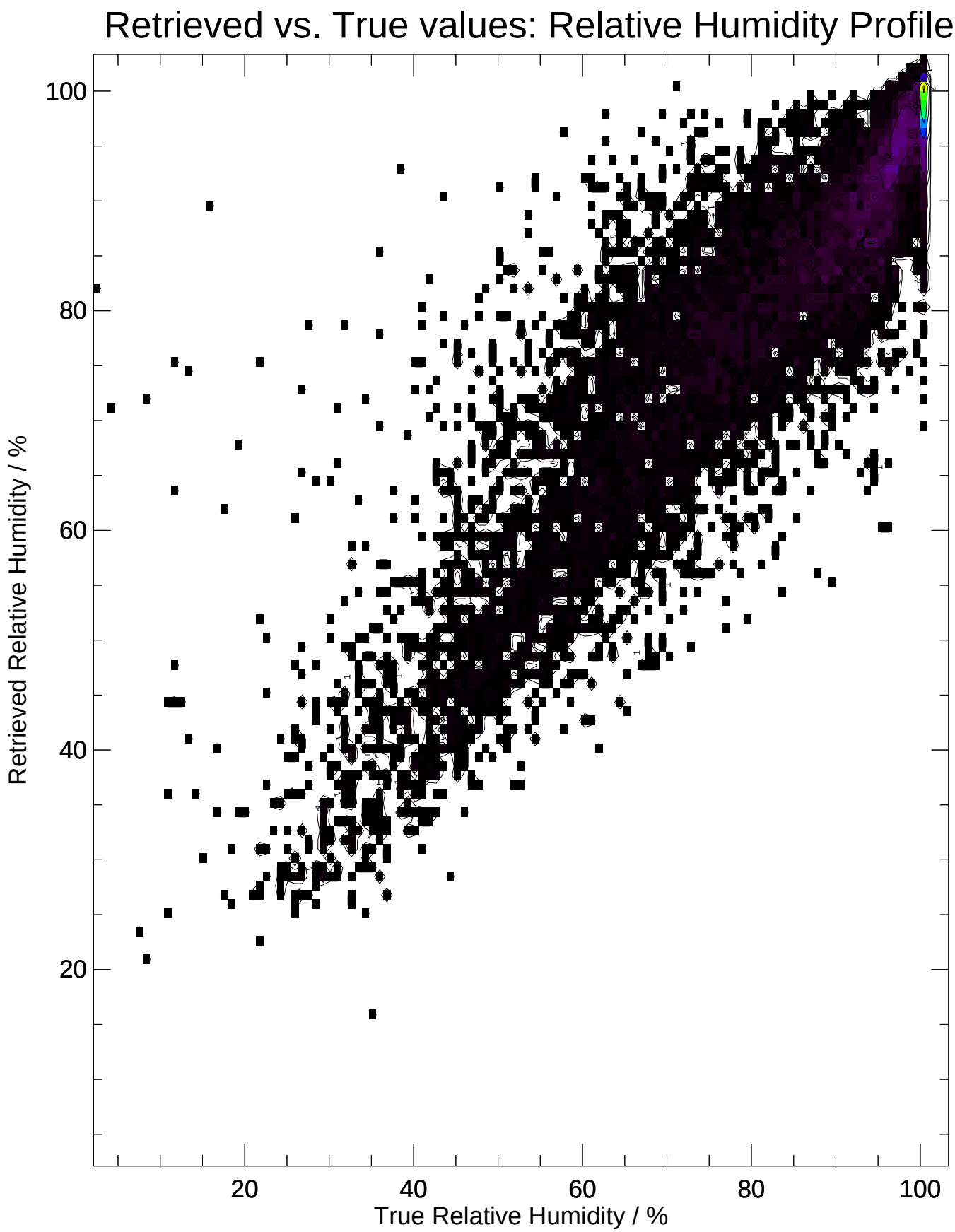

Relative Error (amplitude dependent)
Z = 760 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=9
N=10
N=21
N=90
N=144
N=173
N=288
N=365
N=430
N=588
N=702
N=857
N=894
N=1047
N=1338
N=2864

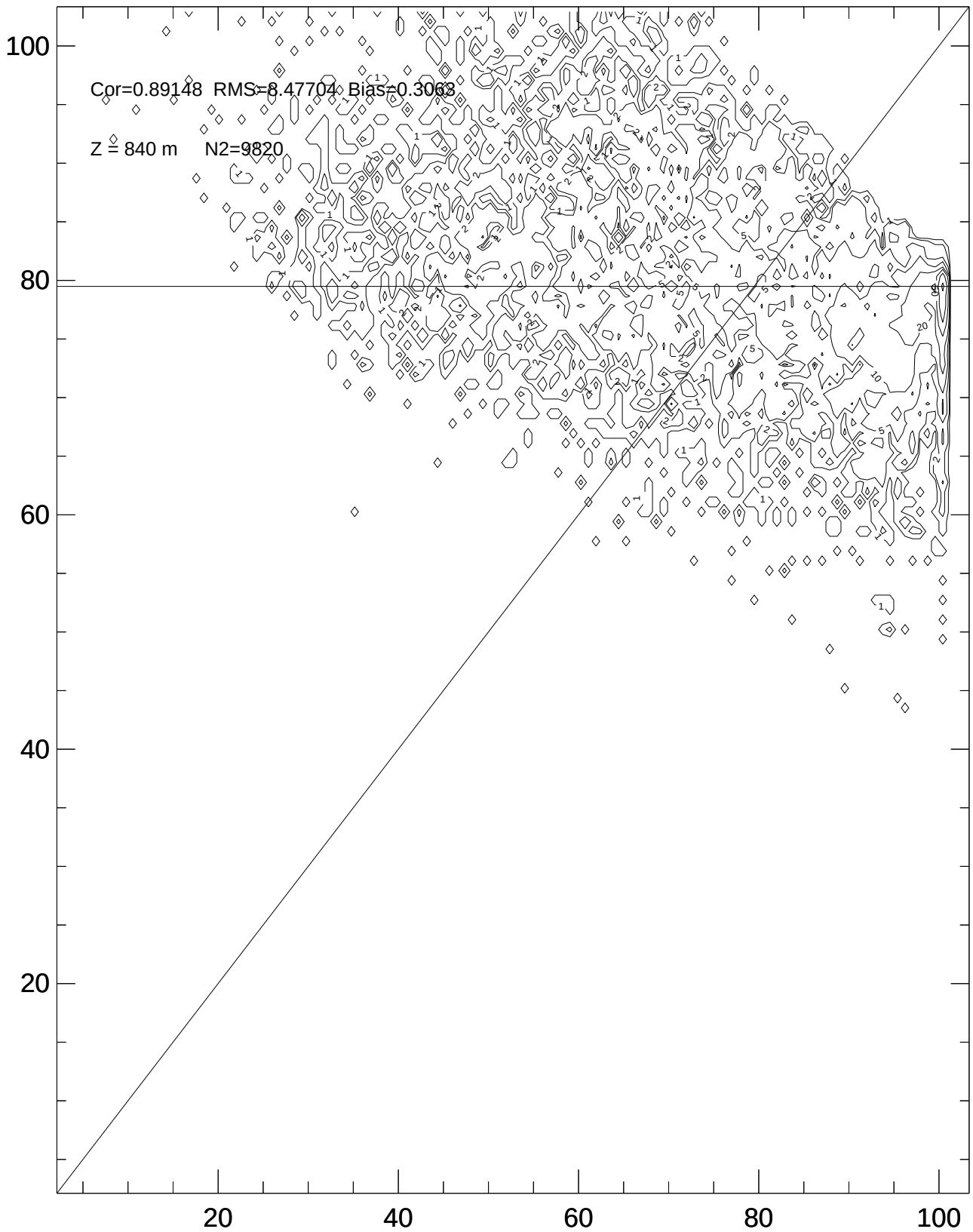

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

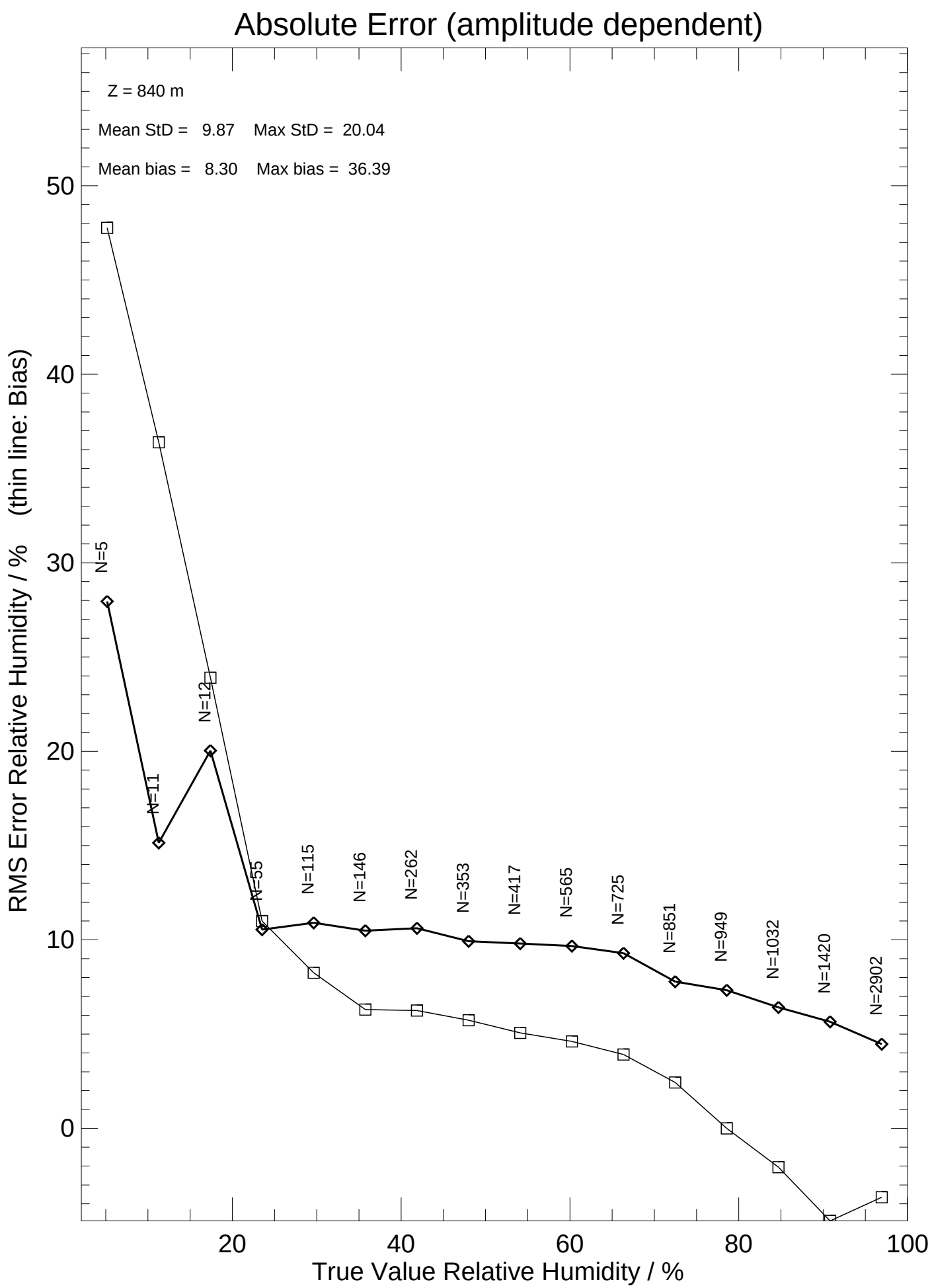

Cor=0.89490 RMS=8.36136 Bias=0.3043
Z = 800 m N2=9820
100
80
60
40
20
20
40
60
80
100

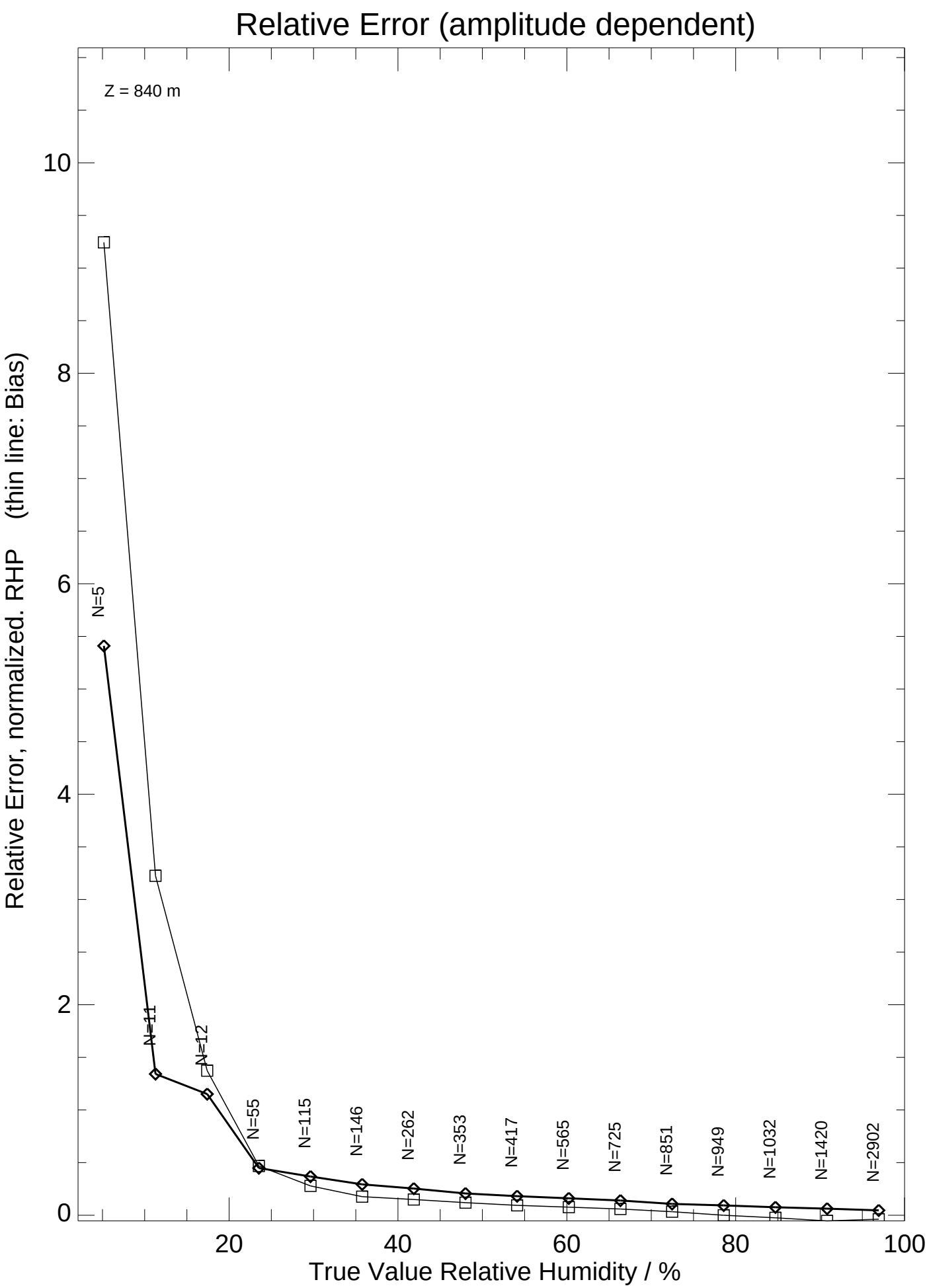

Absolute Error (amplitude dependent)
Z = 800 m
Mean StD = 9.89 Max StD = 18.27
Mean bias = 8.32 Max bias = 41.61
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
50
20
40
60
80
100
N=4
N=9
N=14
N=52
N=113
N=154
N=261
N=364
N=401
N=571
N=705
N=879
N=935
N=1039
N=1400
N=2919

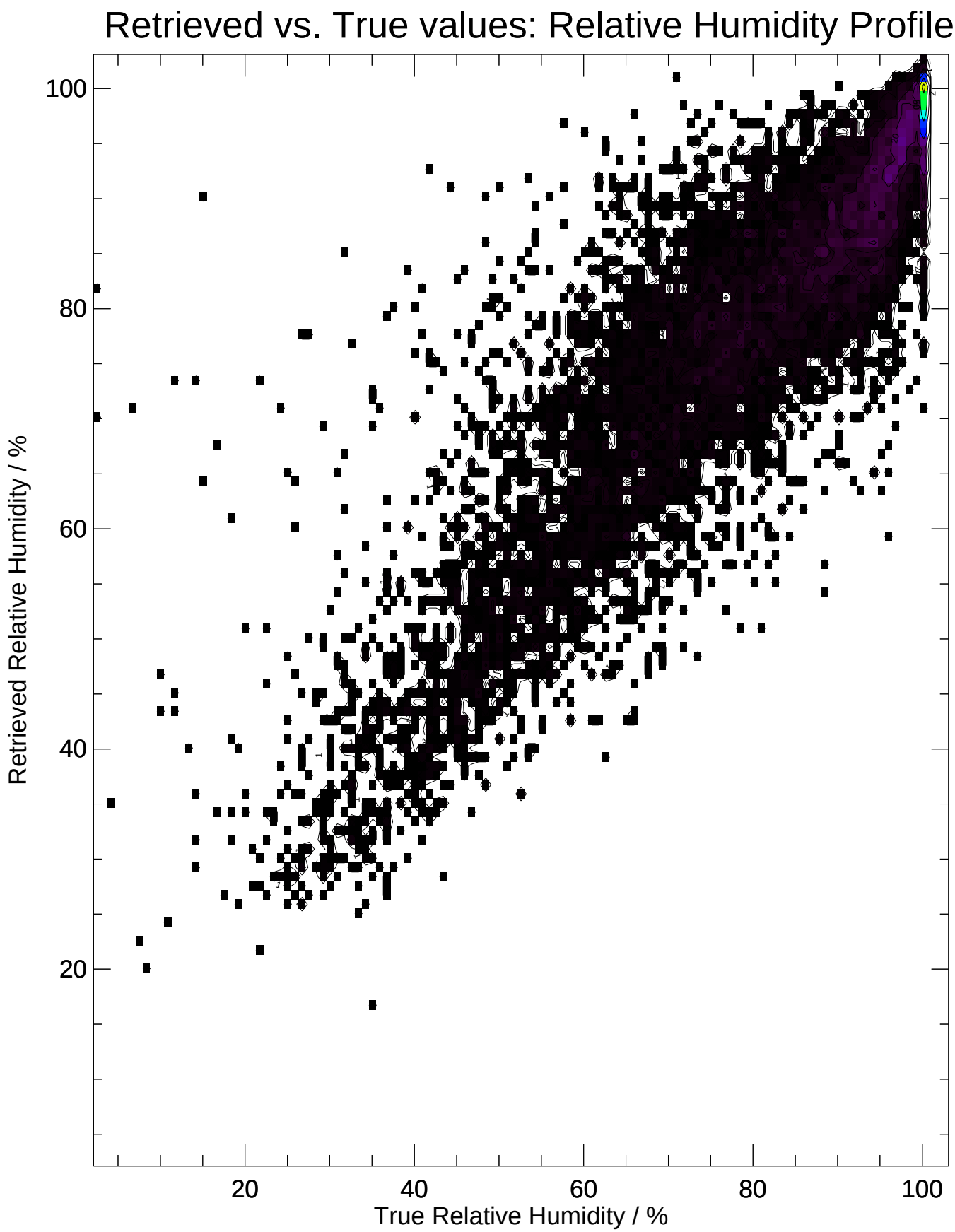

Relative Error (amplitude dependent)
Z = 800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=4
N=9
N=14
N=52
N=113
N=154
N=261
N=364
N=401
N=571
N=705
N=879
N=935
N=1039
N=1400
N=2919

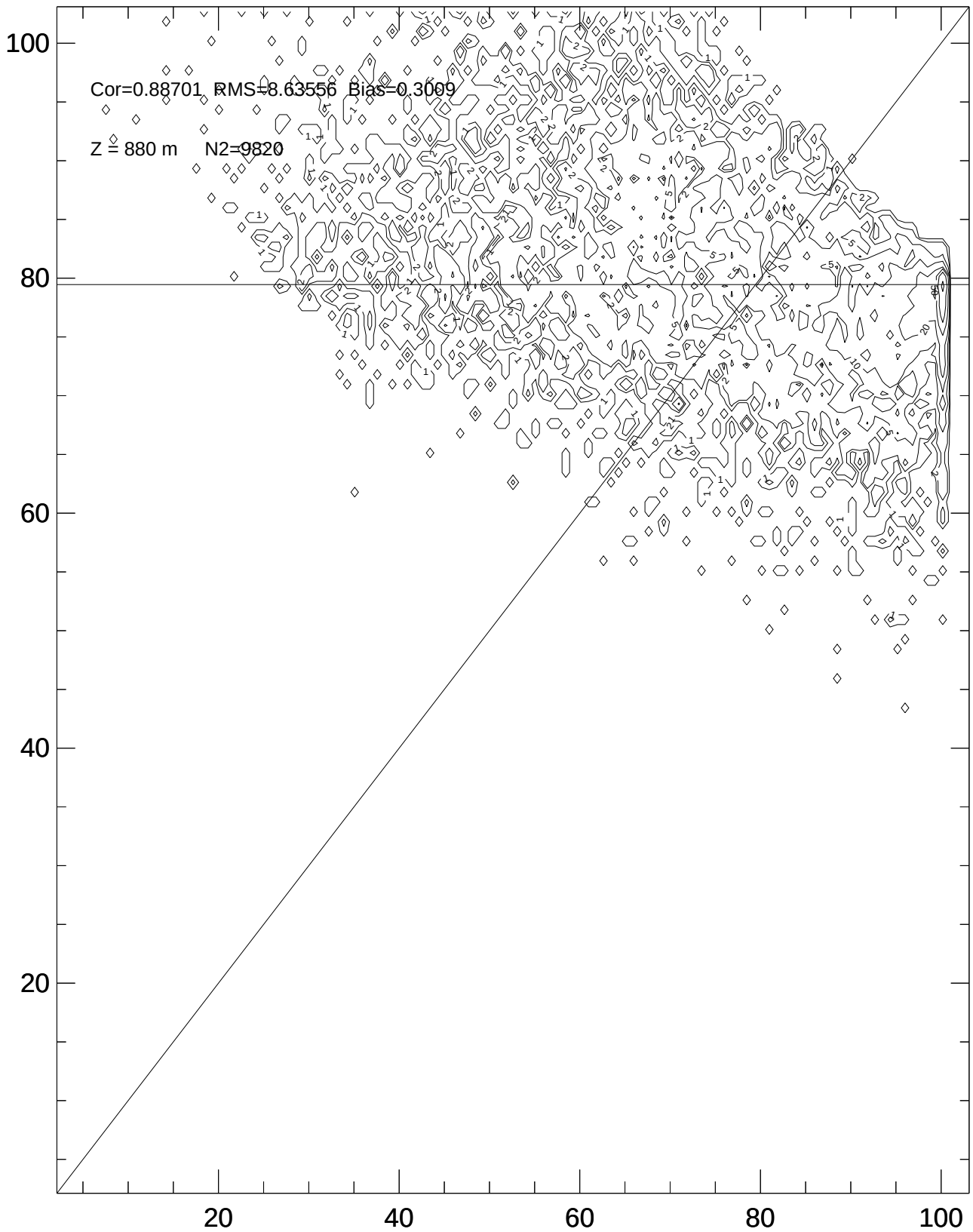

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
20
40
60
80
100

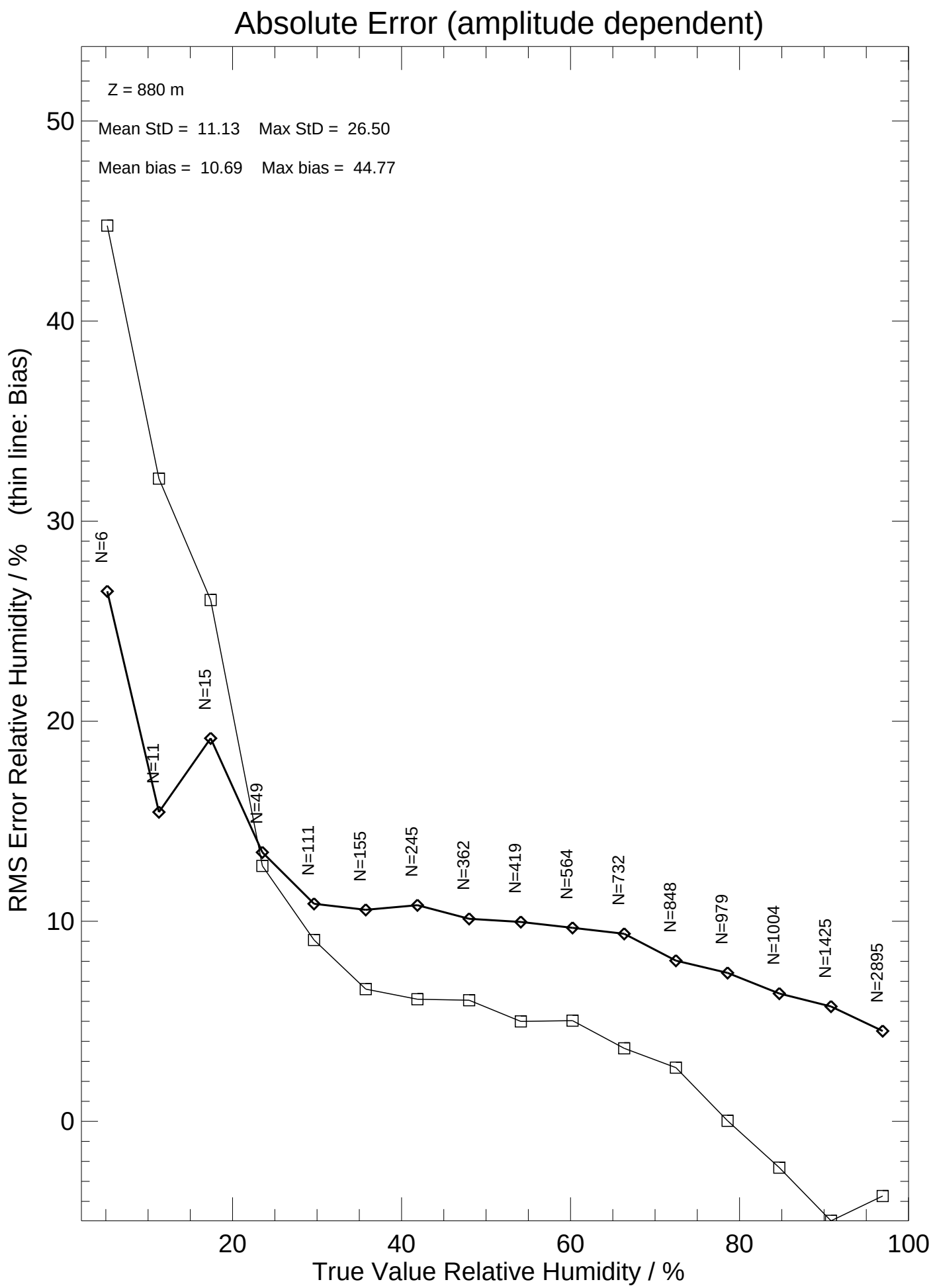

Cor=0.89148 RMS=8.47704 Bias=0.3063
Z = 840 m N2=9820
100
80
60
40
20
20
40
60
80
100

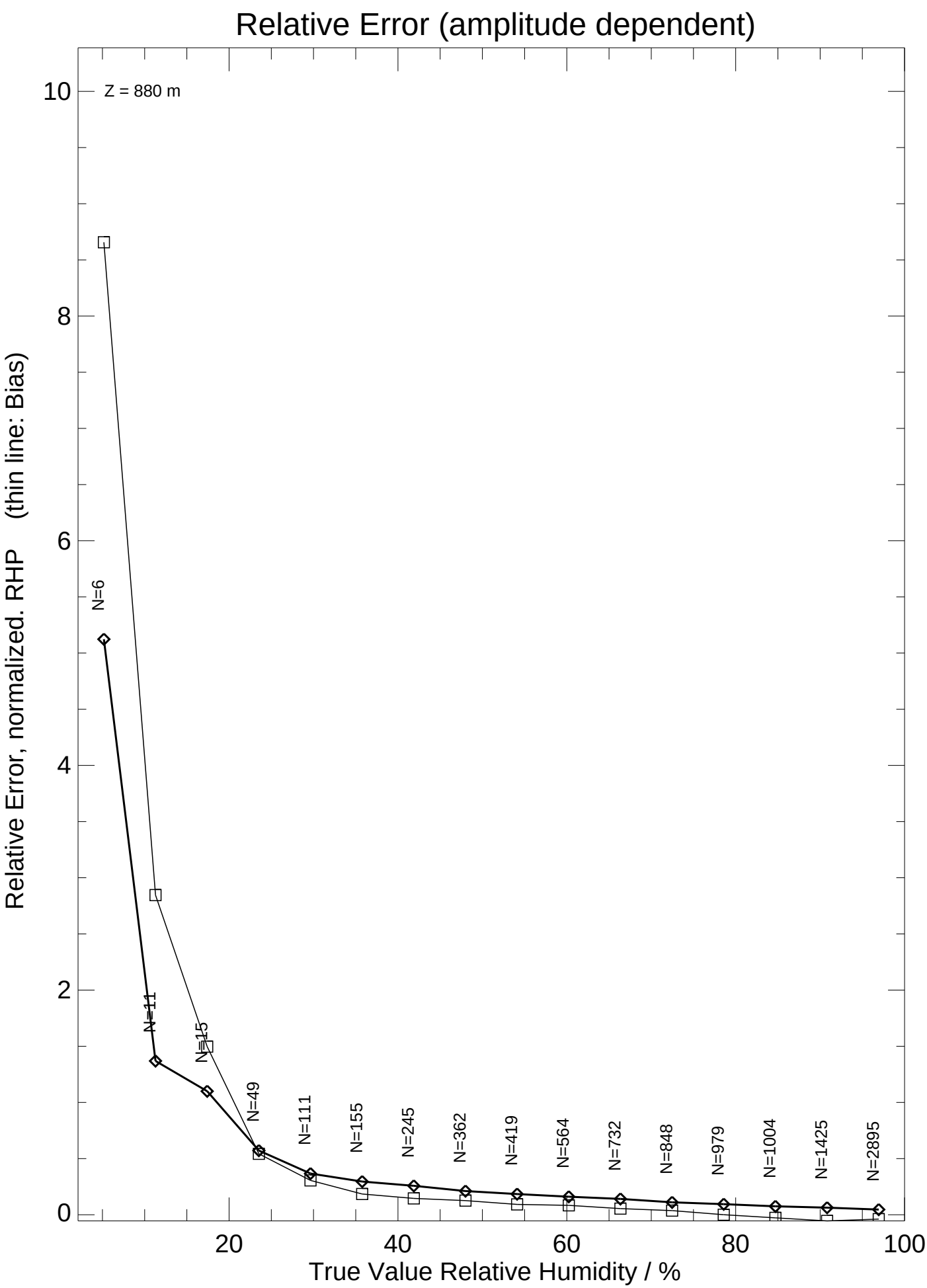

Absolute Error (amplitude dependent)
Z = 840 m
Mean StD = 9.87 Max StD = 20.04
Mean bias = 8.30 Max bias = 36.39
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
50
20
40
60
80
100
N=5
N=11
N=12
N=55
N=115
N=146
N=262
N=353
N=417
N=565
N=725
N=851
N=949
N=1032
N=1420
N=2902

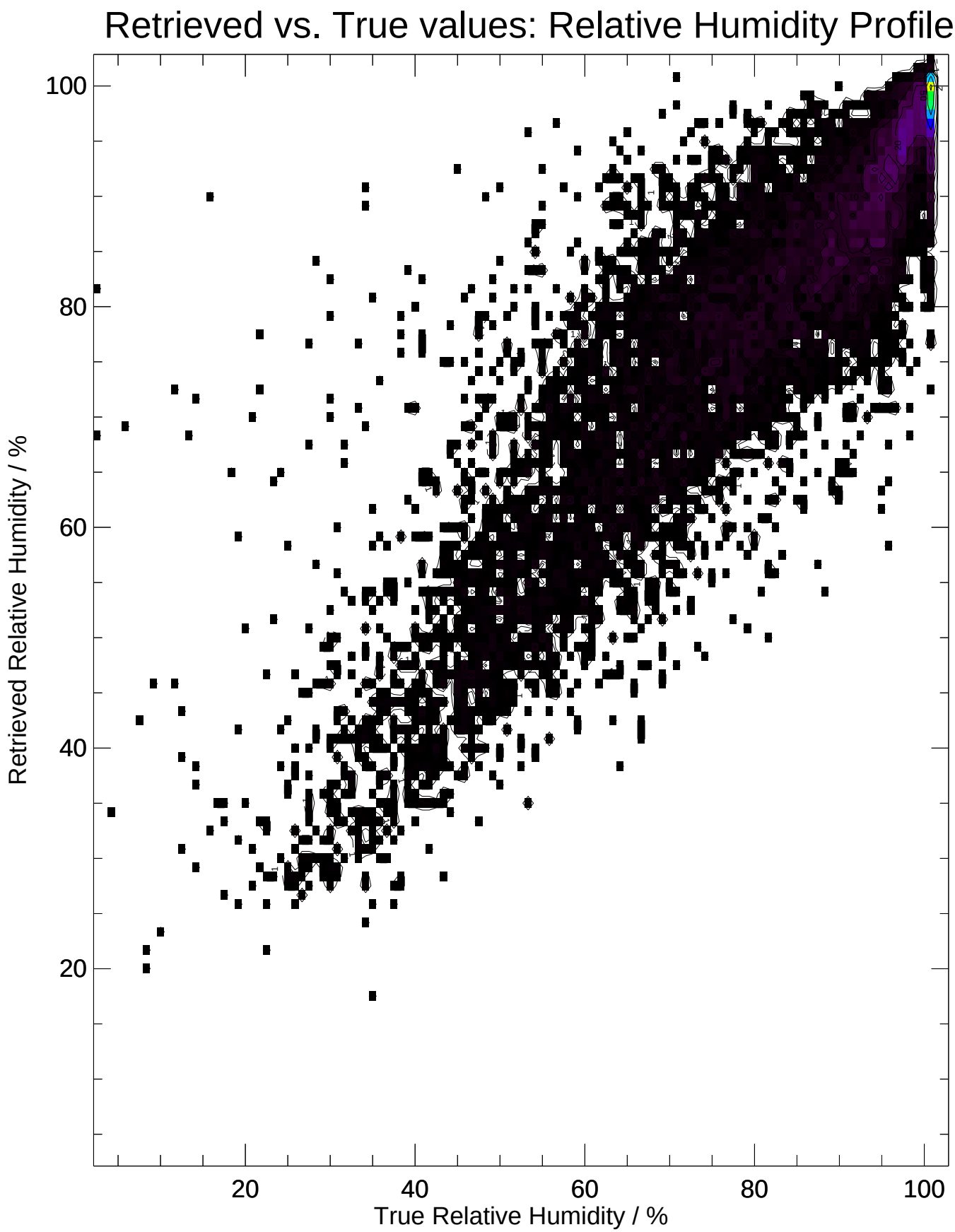

Relative Error (amplitude dependent)
Z = 840 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=5
N=11
N=12
N=55
N=115
N=146
N=262
N=353
N=417
N=565
N=725
N=851
N=949
N=1032
N=1420
N=2902

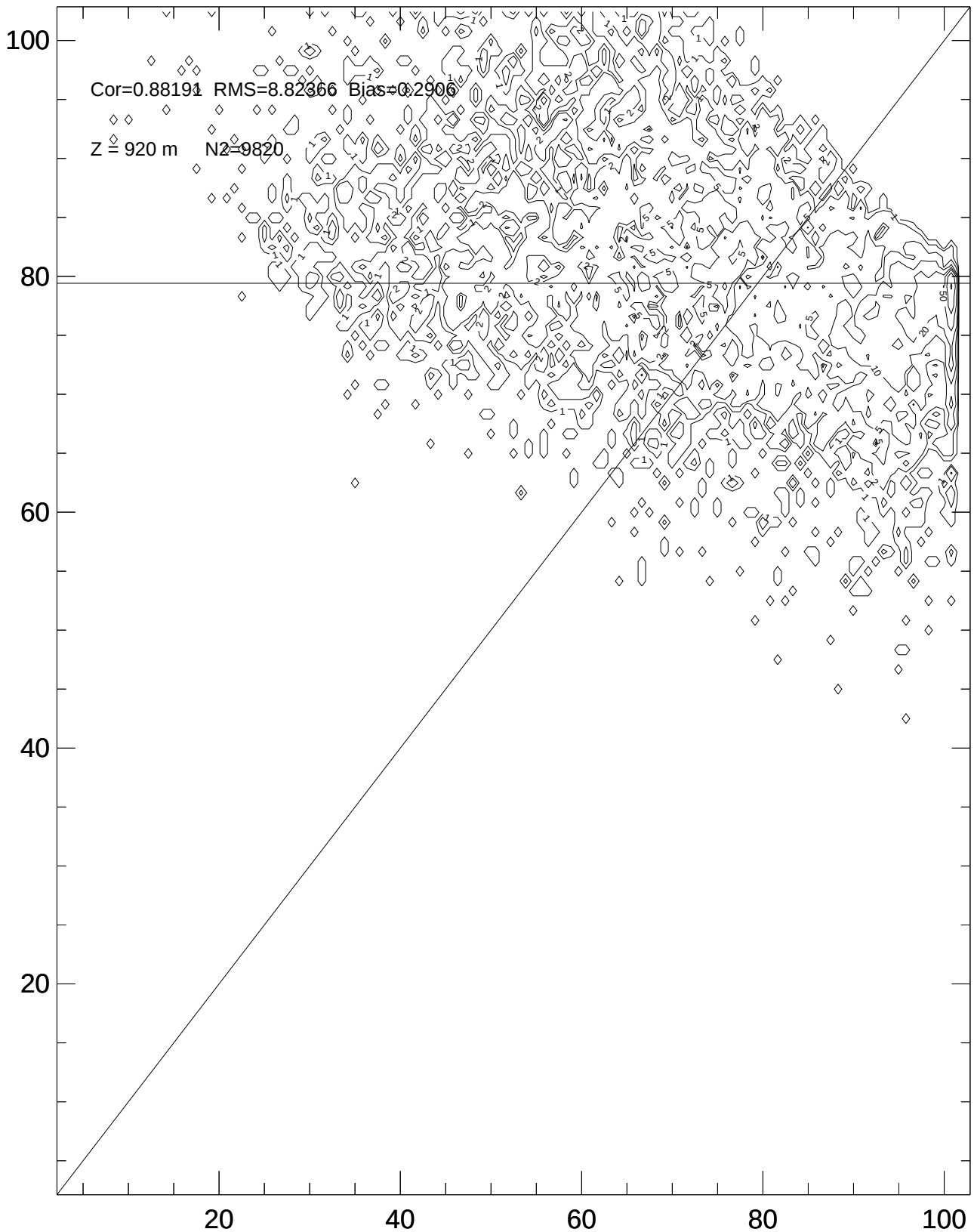

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

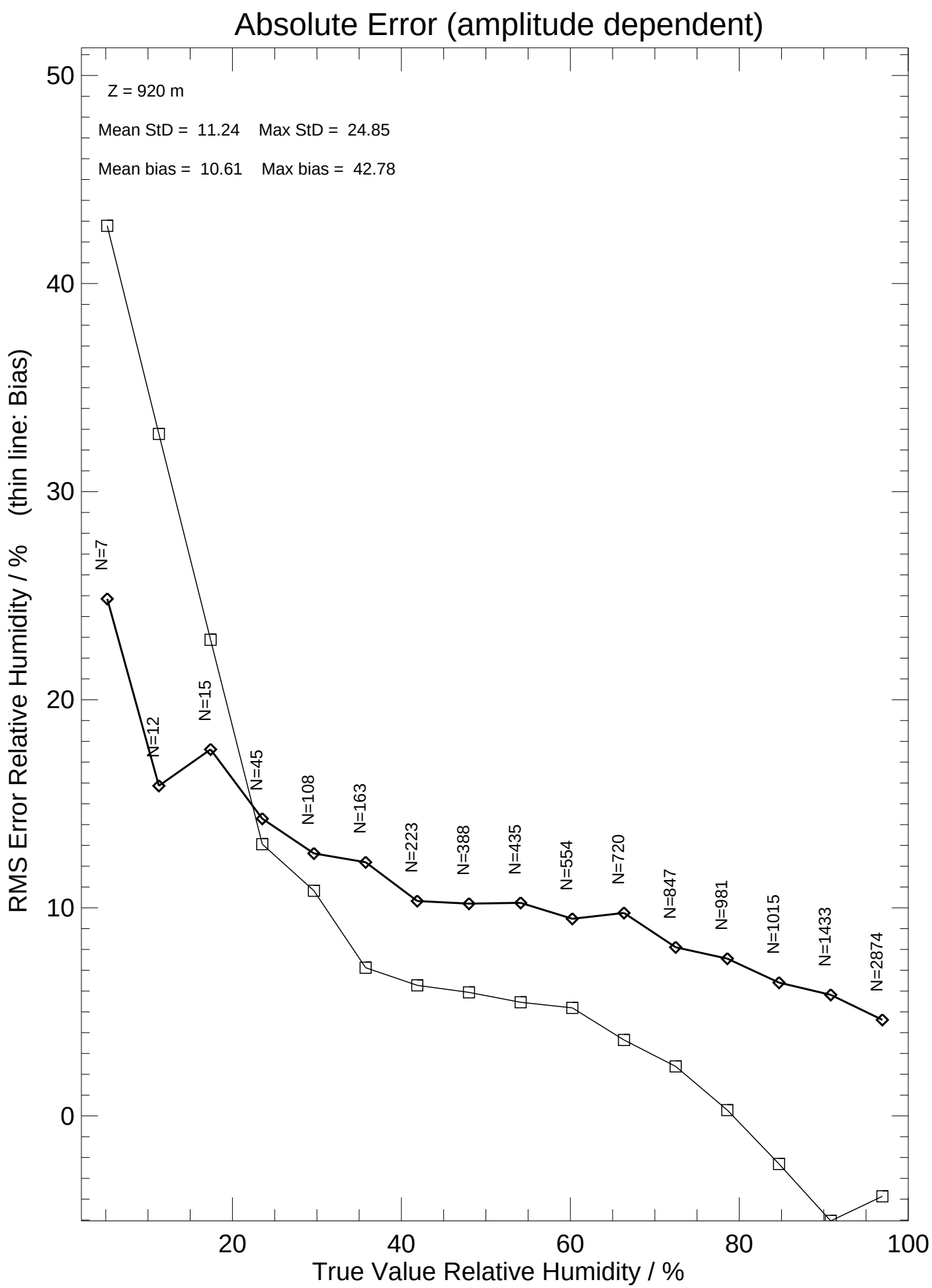

Cor=0.88701 RMS=8.63556 Bias=0.3009
Z = 880 m N2=9820
100
80
60
40
20
20
40
60
80
100

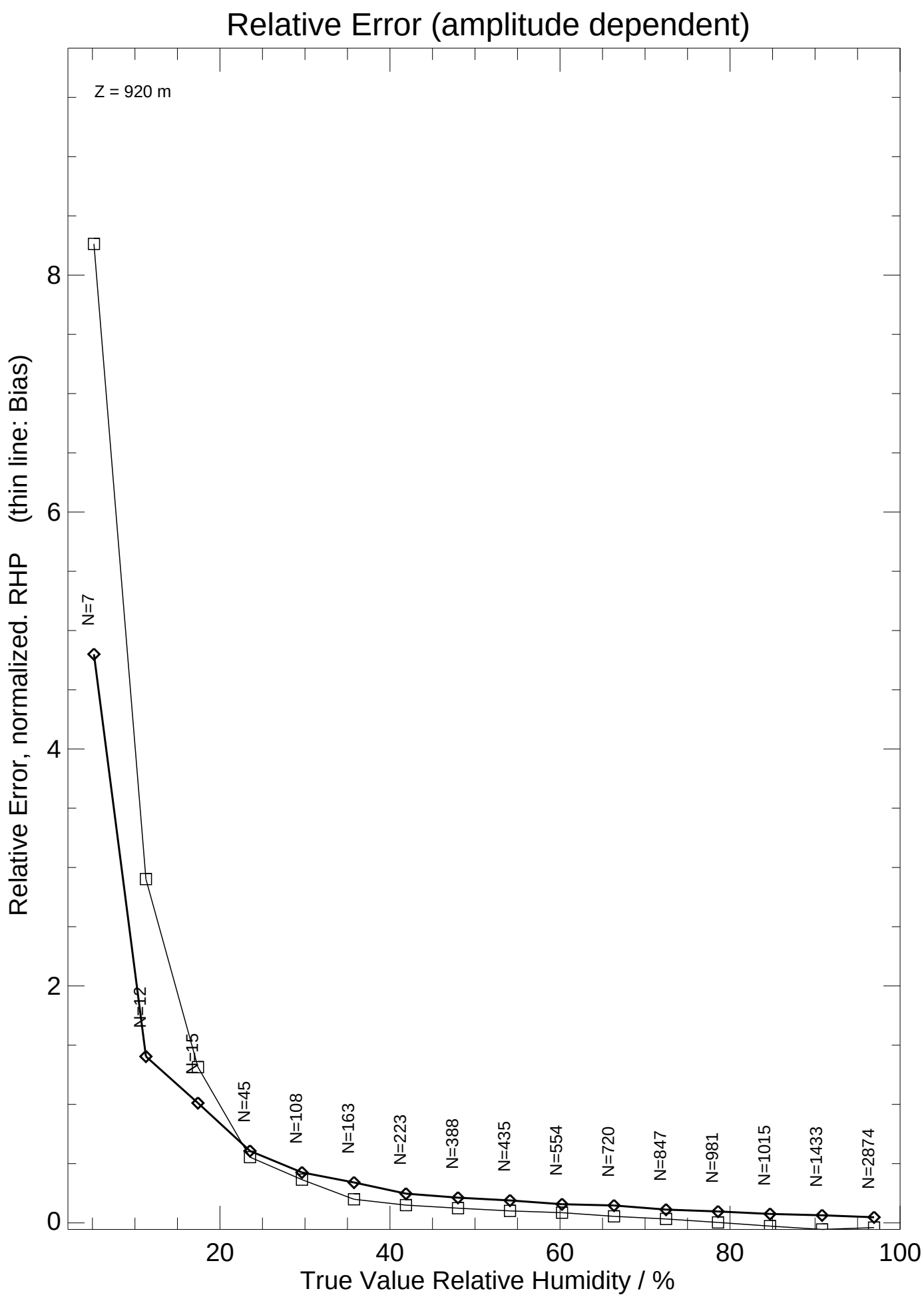

Absolute Error (amplitude dependent)
Z = 880 m
Mean StD = 11.13 Max StD = 26.50
Mean bias = 10.69 Max bias = 44.77
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
50
20
40
60
80
100
N=6
N=11
N=15
N=49
N=111
N=155
N=245
N=362
N=419
N=564
N=732
N=848
N=979
N=1004
N=1425
N=2895

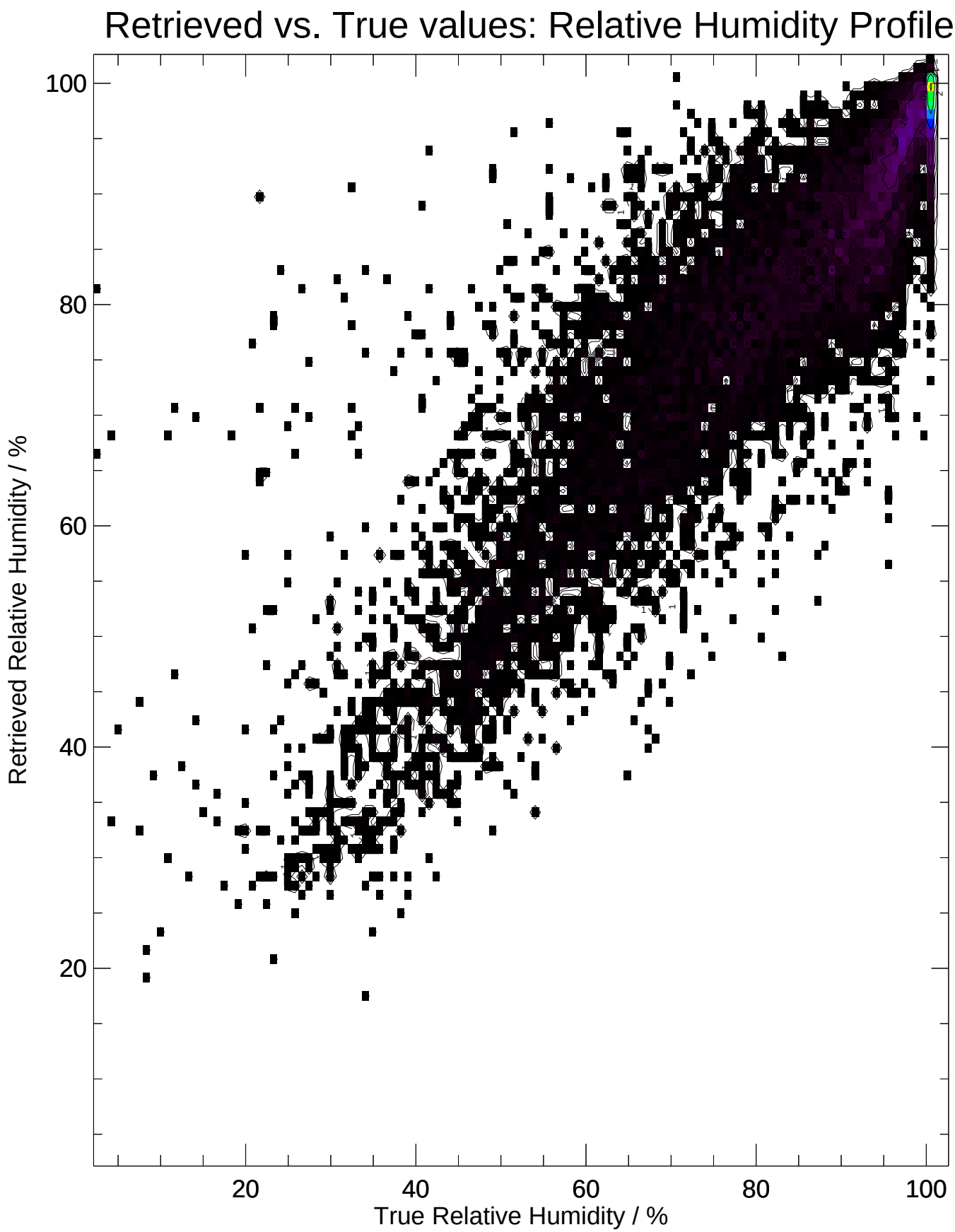

Relative Error (amplitude dependent)
Z = 880 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=6
N=11
N=15
N=49
N=111
N=155
N=245
N=362
N=419
N=564
N=732
N=848
N=979
N=1004
N=1425
N=2895

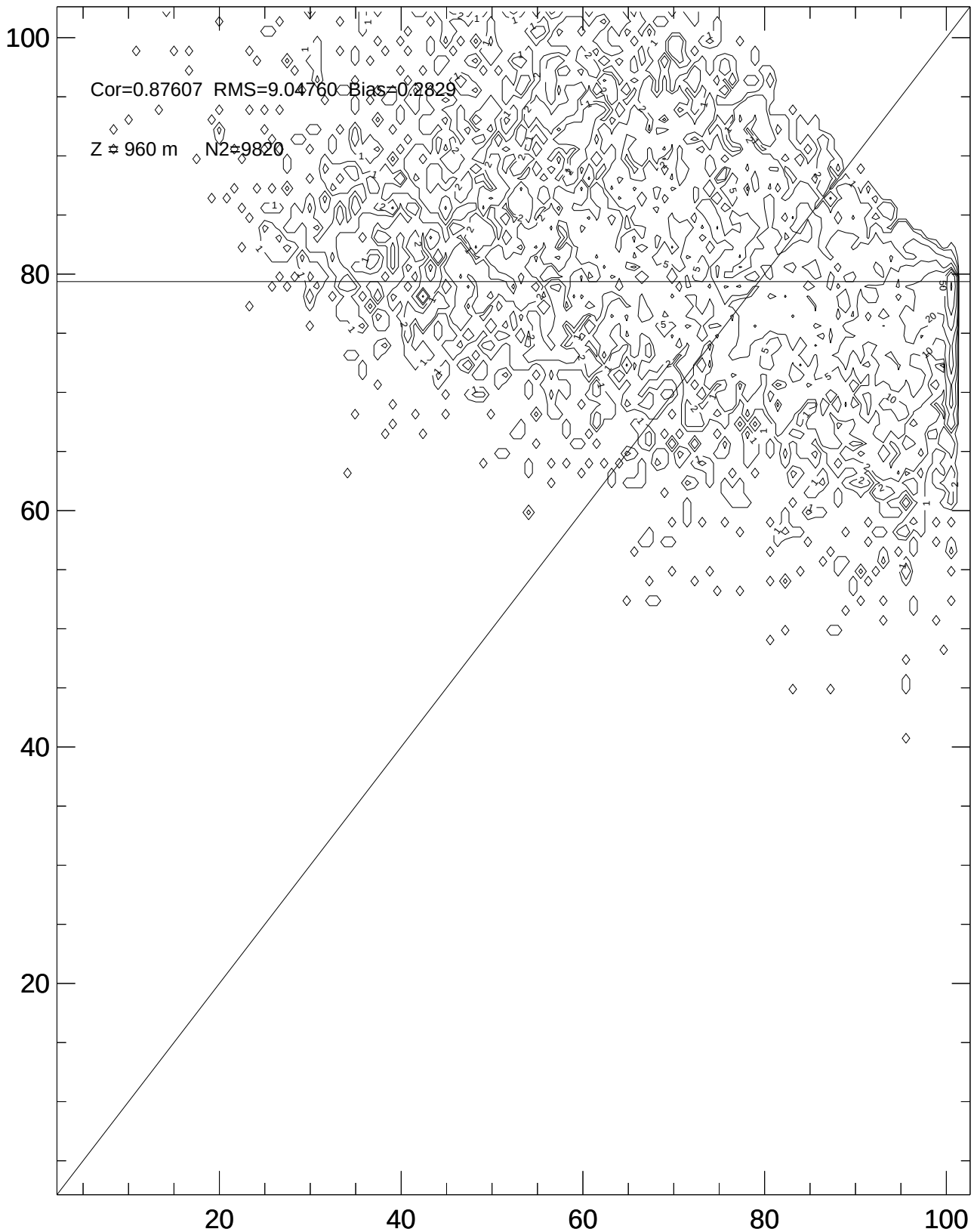

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

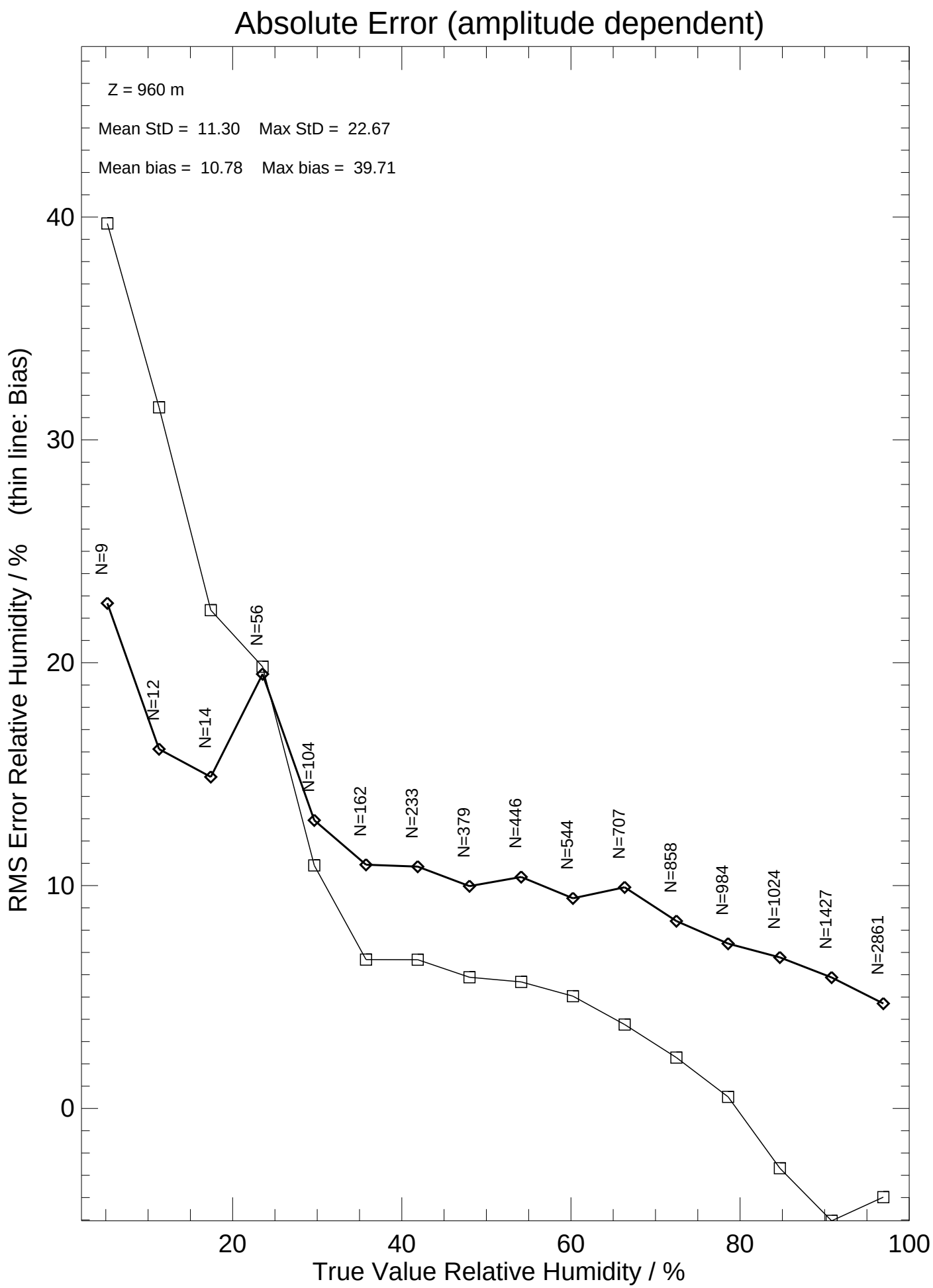

Cor=0.88191 RMS=8.82366 Bias=0.2906
Z = 920 m N2=9820
100
80
60
40
20
20
40
60
80
100

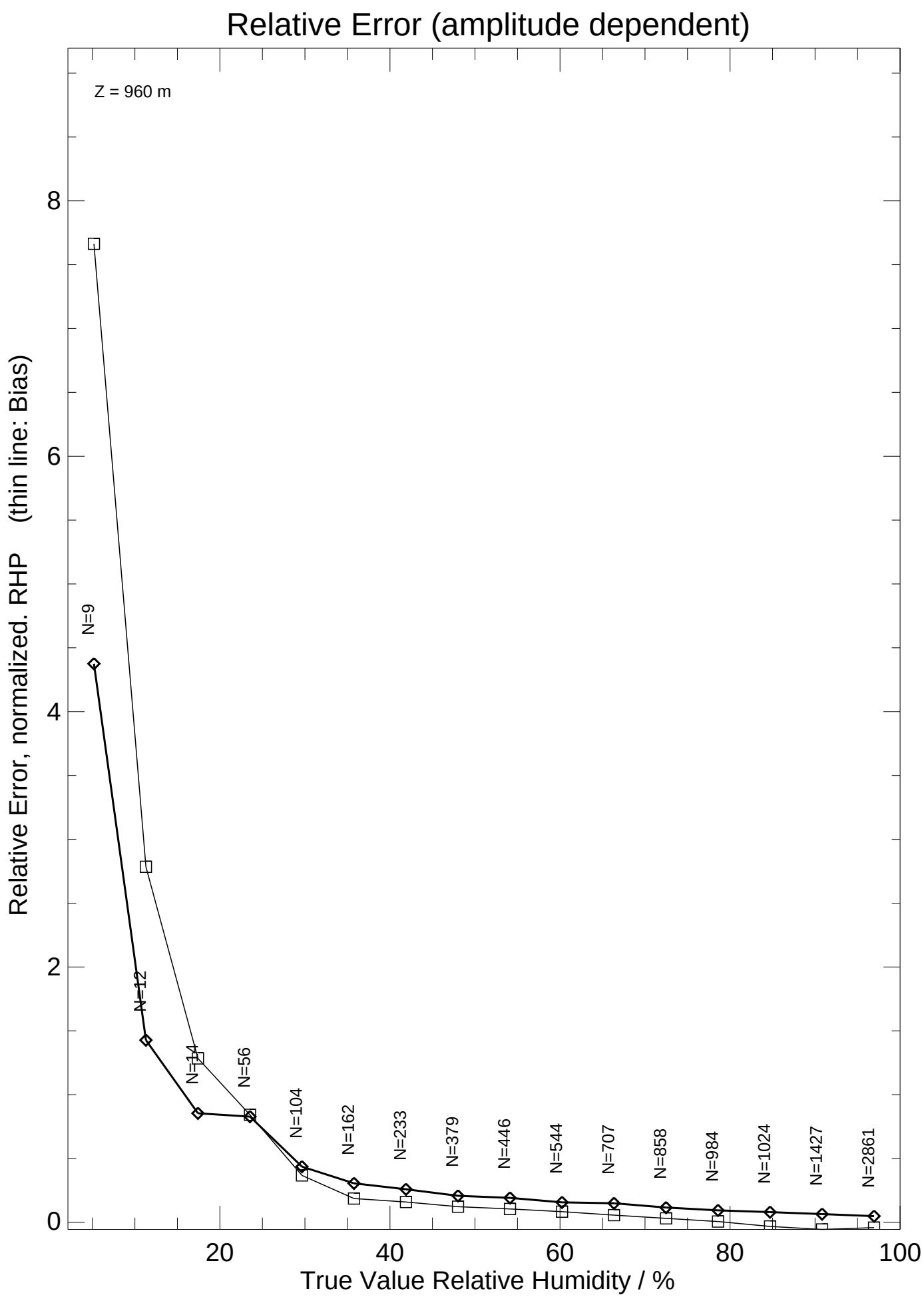

Absolute Error (amplitude dependent)
Z = 920 m
Mean StD = 11.24 Max StD = 24.85
Mean bias = 10.61 Max bias = 42.78
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
50
20
40
60
80
100
N=7
N=12
N=15
N=45
N=108
N=163
N=223
N=388
N=435
N=554
N=720
N=847
N=981
N=1015
N=1433
N=2874

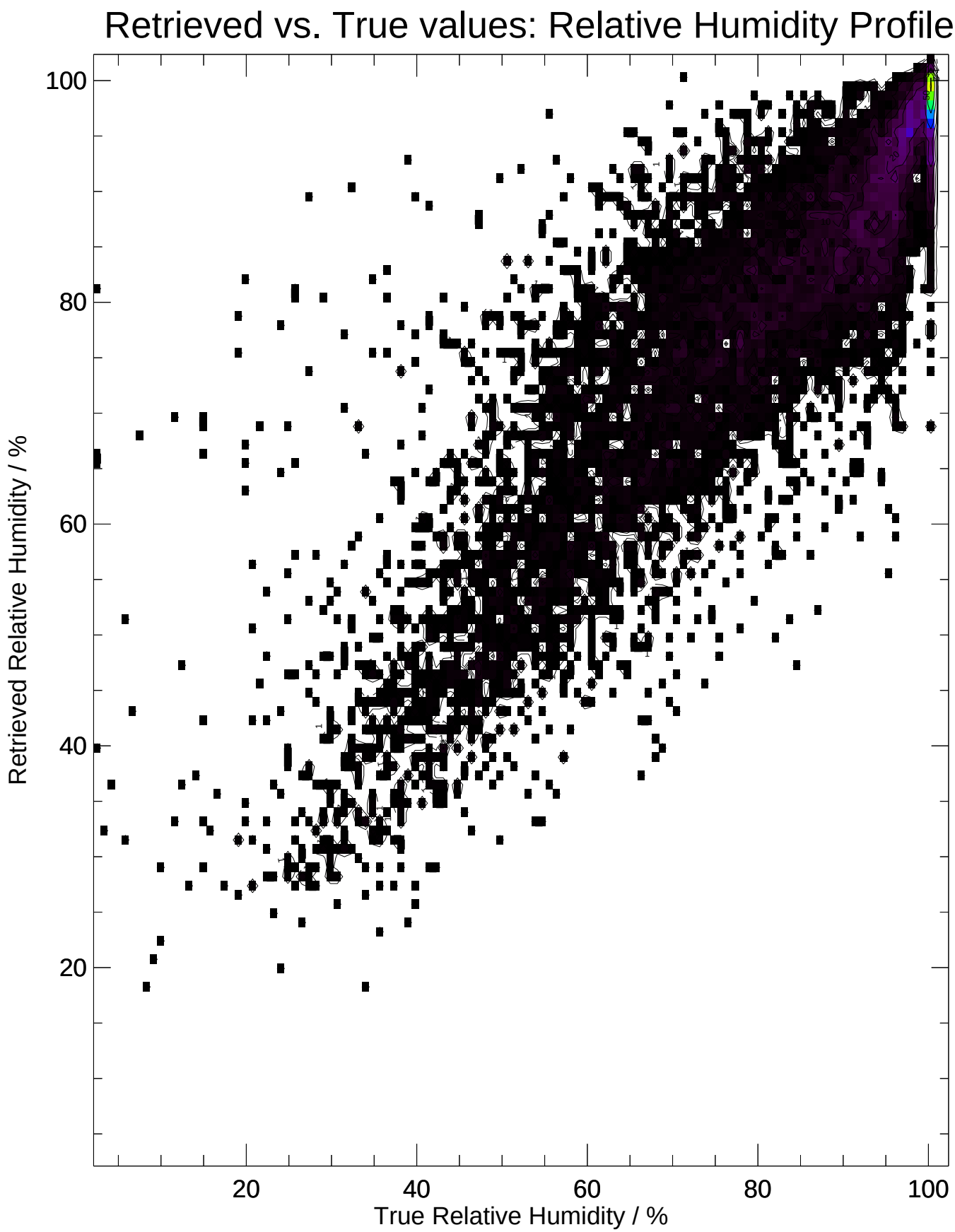

Relative Error (amplitude dependent)
Z = 920 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=7
N=12
N=15
N=45
N=108
N=163
N=223
N=388
N=435
N=554
N=720
N=847
N=981
N=1015
N=1433
N=2874

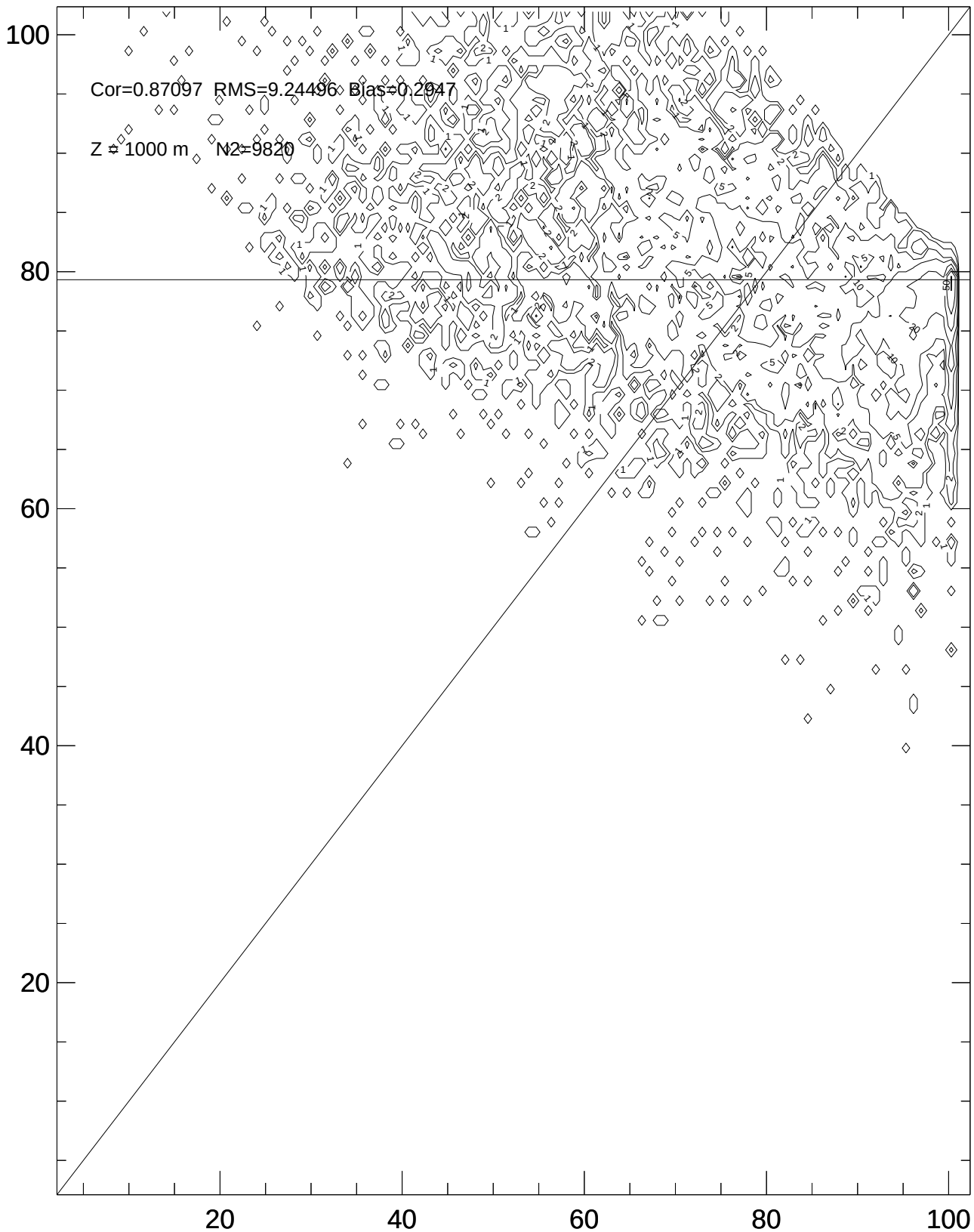

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

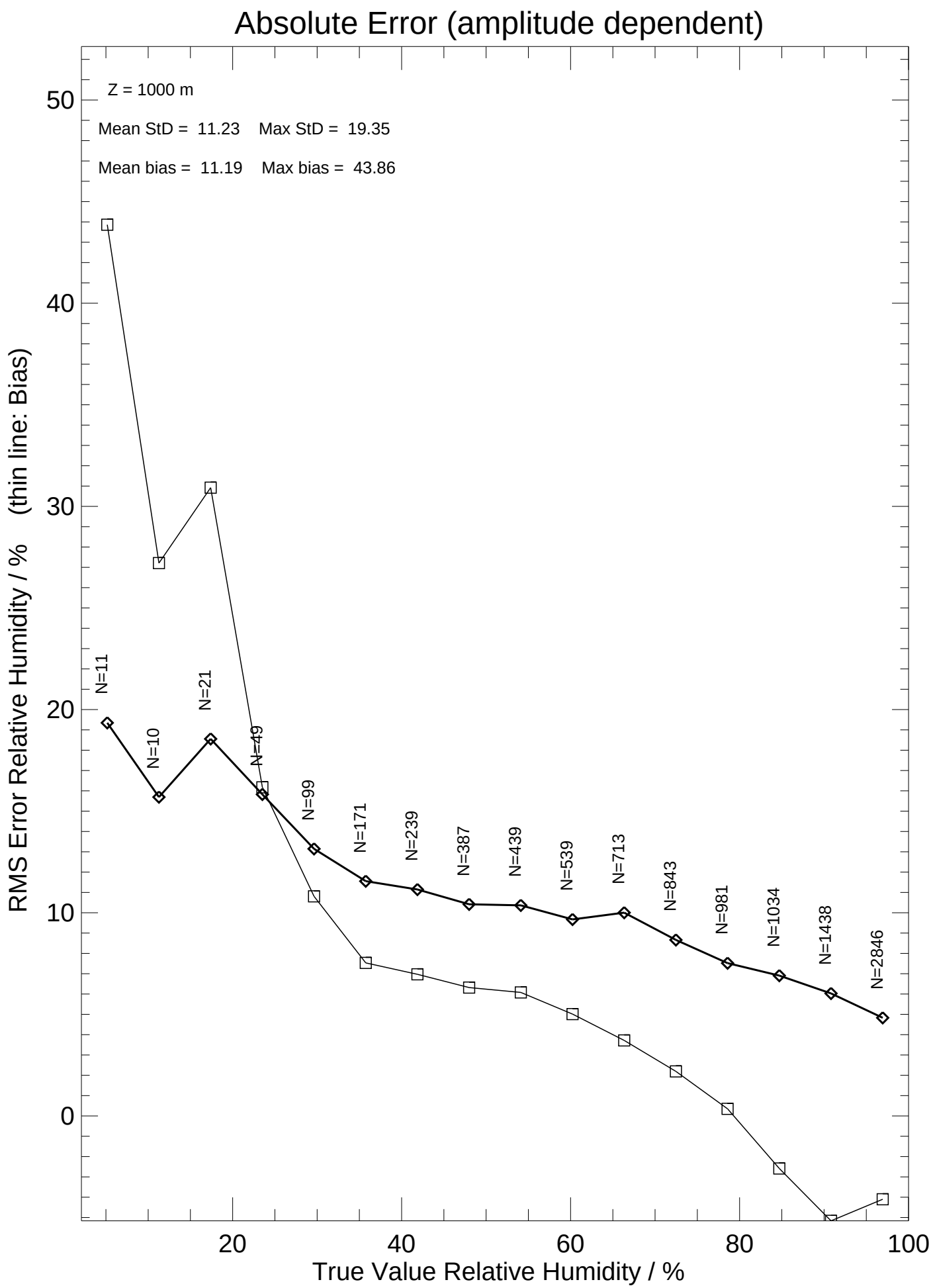

Cor=0.87607 RMS=9.04760 Bias=0.2829
Z ≒ 960 m N2≒9820
100
80
60
40
20
20
40
60
80
100

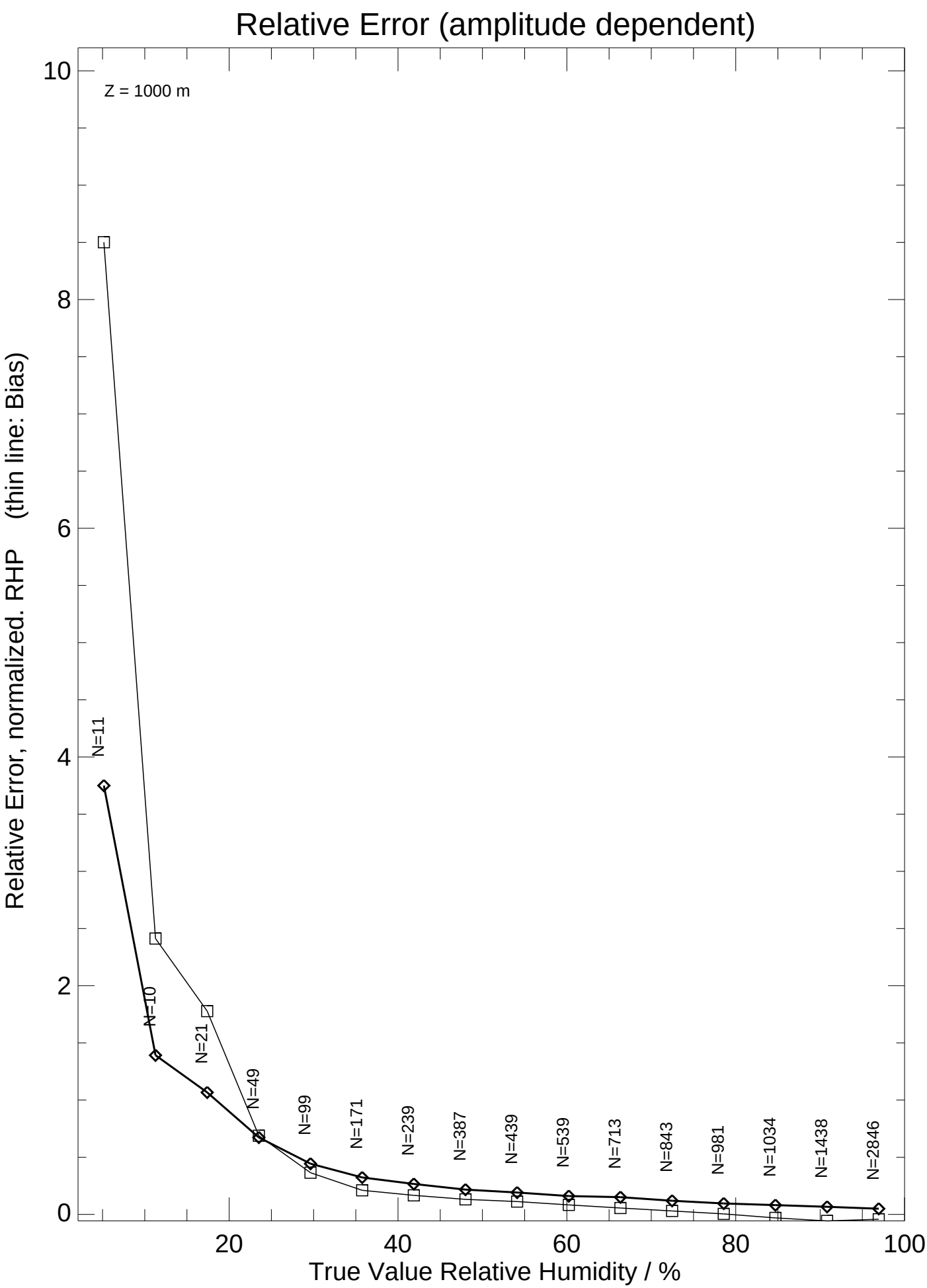

Absolute Error (amplitude dependent)
Z = 960 m
Mean StD = 11.30 Max StD = 22.67
Mean bias = 10.78 Max bias = 39.71
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=9
N=12
N=14
N=56
N=104
N=162
N=233
N=379
N=446
N=544
N=707
N=858
N=984
N=1024
N=1427
N=2861

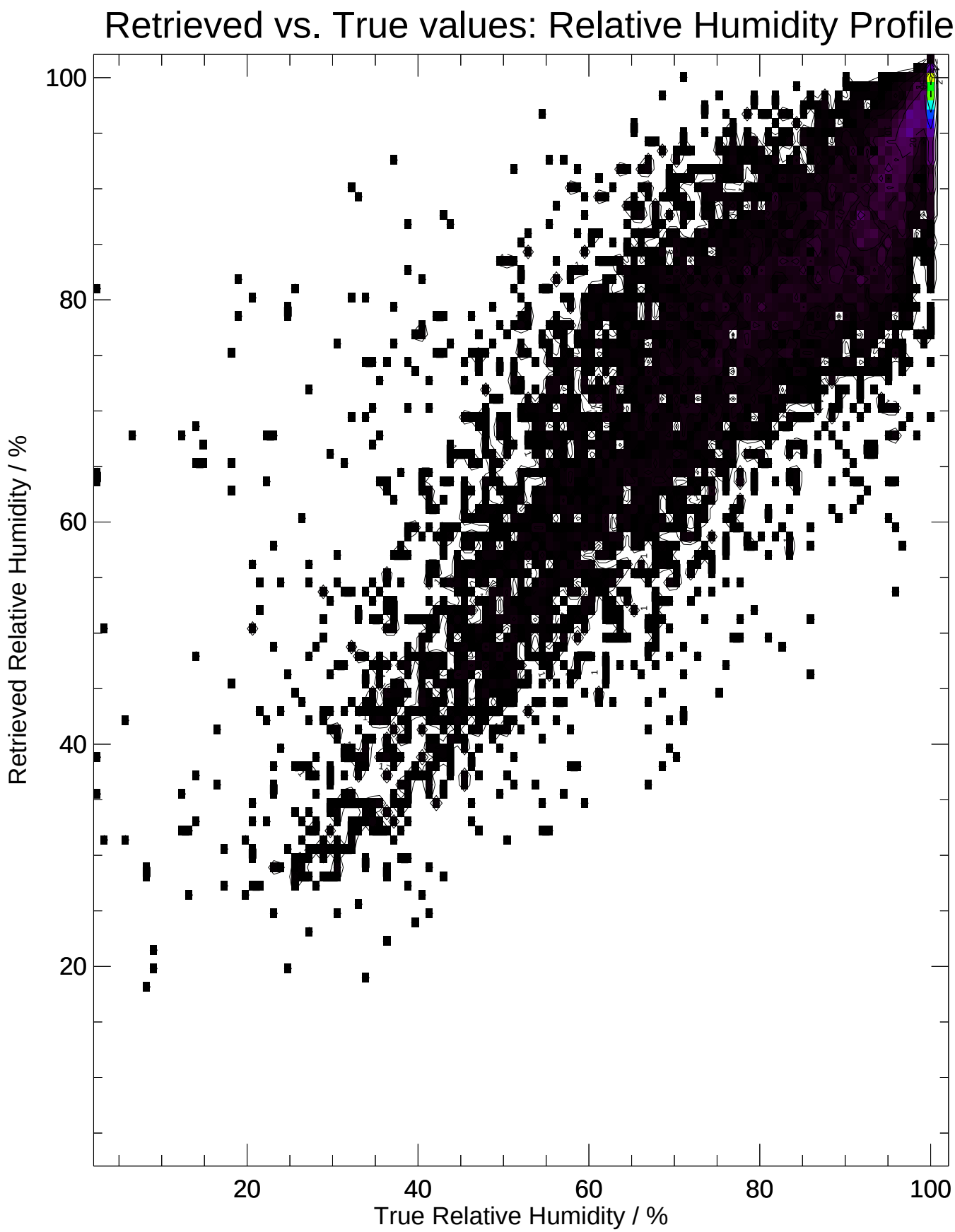

Relative Error (amplitude dependent)
Z = 960 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=9
N=12
N=14
N=56
N=104
N=162
N=233
N=379
N=446
N=544
N=707
N=858
N=984
N=1024
N=1427
N=2861

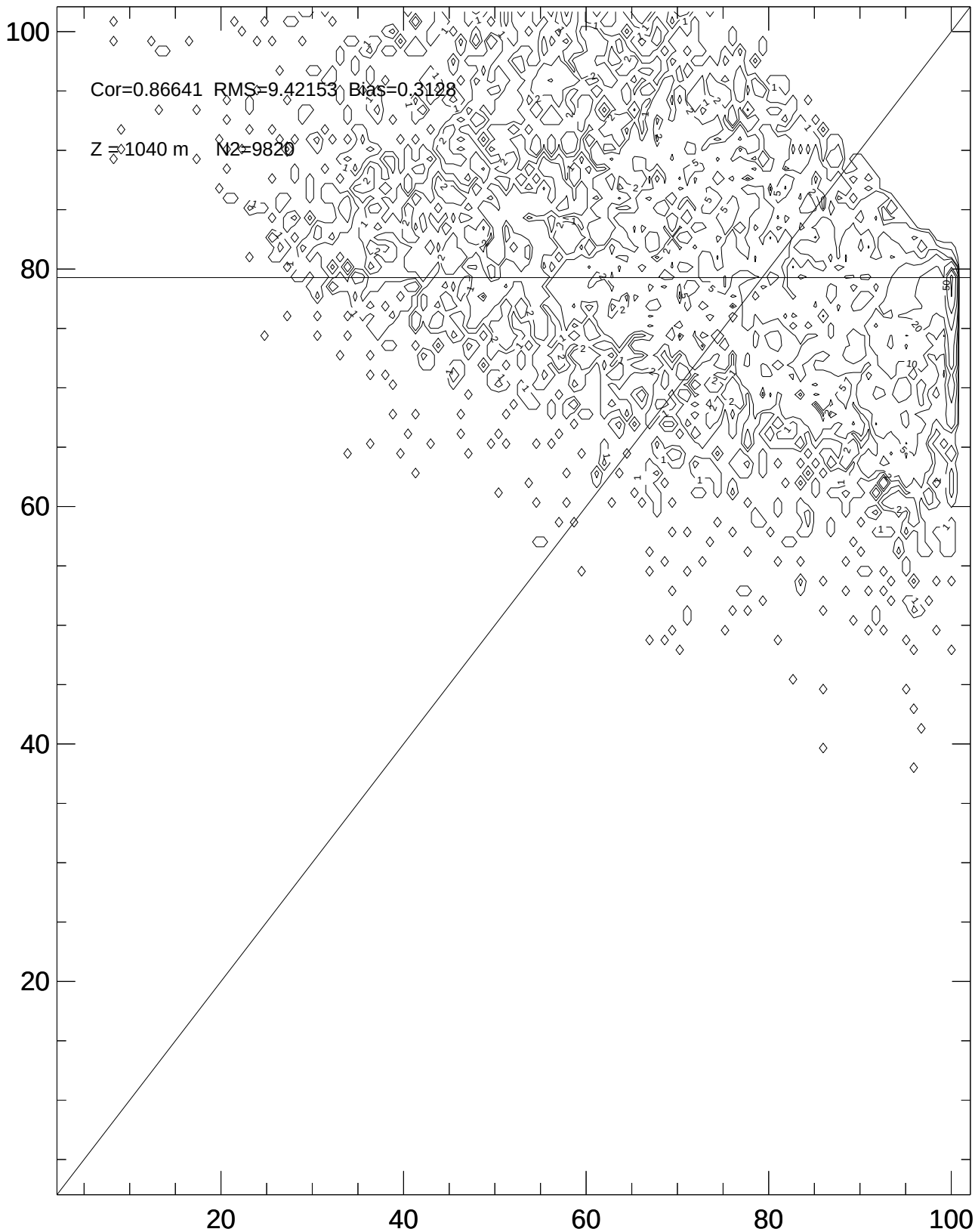

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

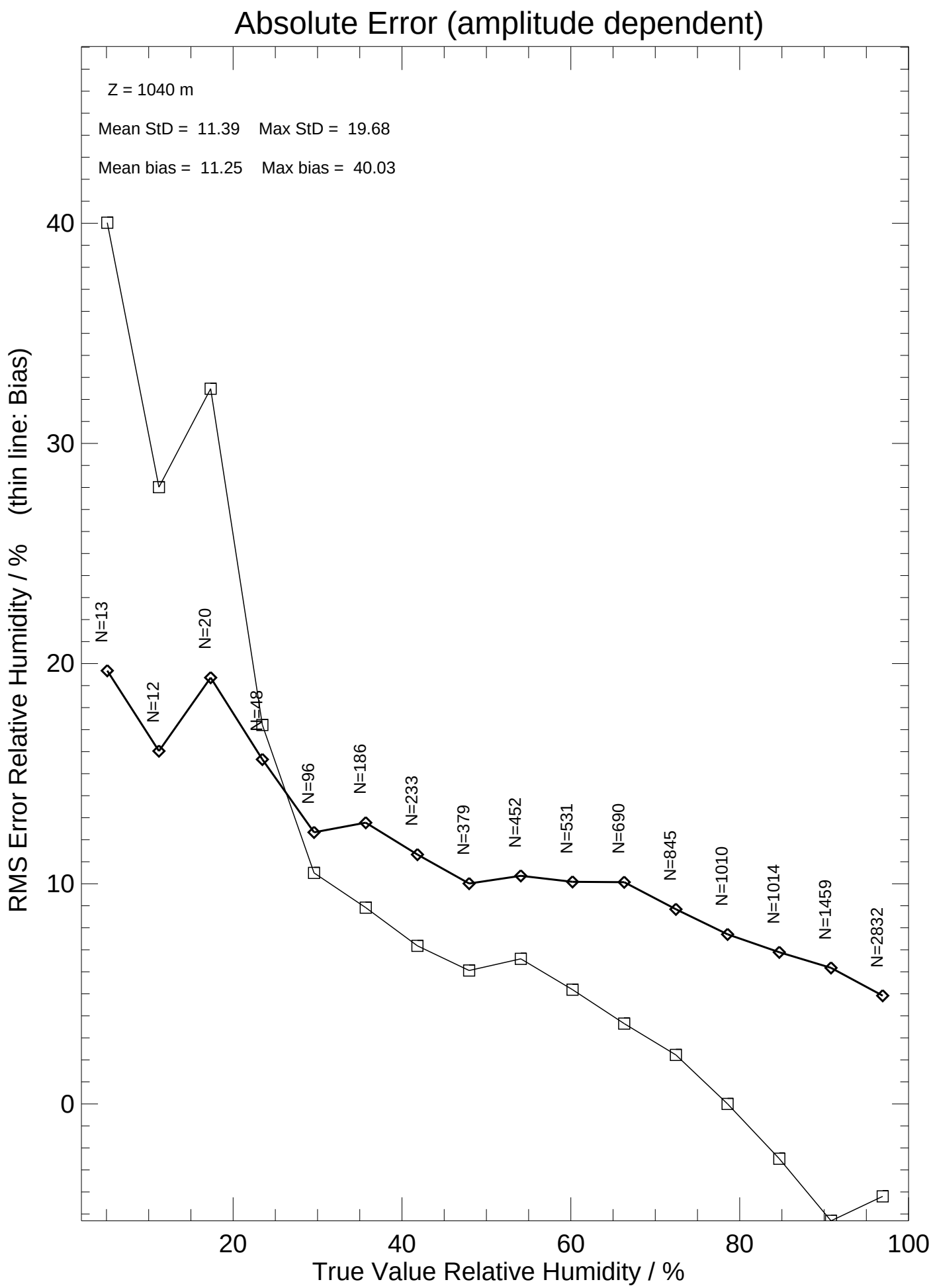

Cor=0.87097 RMS=9.24496 Bias=0.2947
Z = 1000 m N2=9820
100
80
60
40
20
20
40
60
80
100

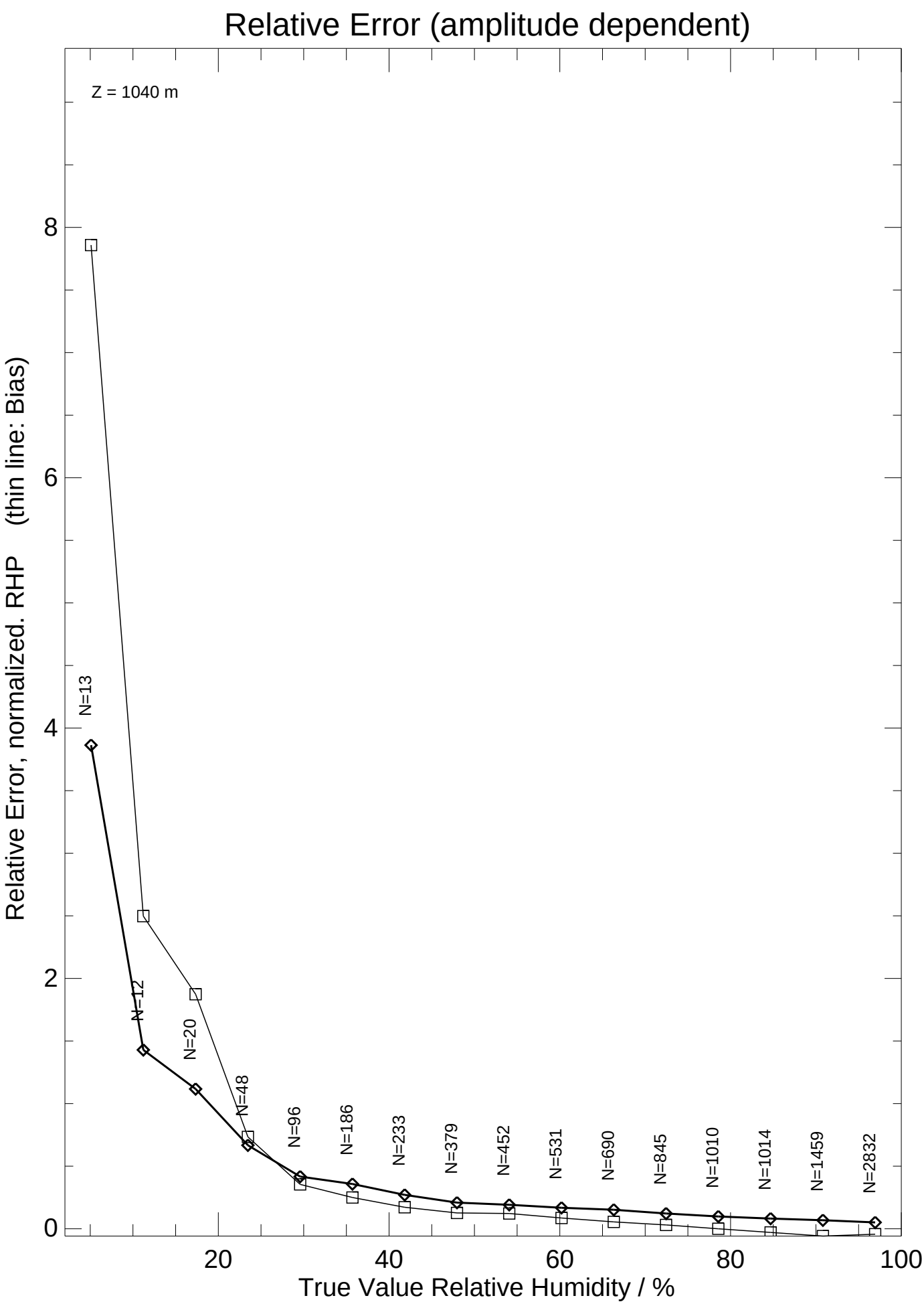

Absolute Error (amplitude dependent)
Z = 1000 m
Mean StD = 11.23 Max StD = 19.35
Mean bias = 11.19 Max bias = 43.86
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
50
20
40
60
80
100
N=11
N=10
N=21
N=49
N=99
N=171
N=239
N=387
N=439
N=539
N=713
N=843
N=981
N=1034
N=1438
N=2846

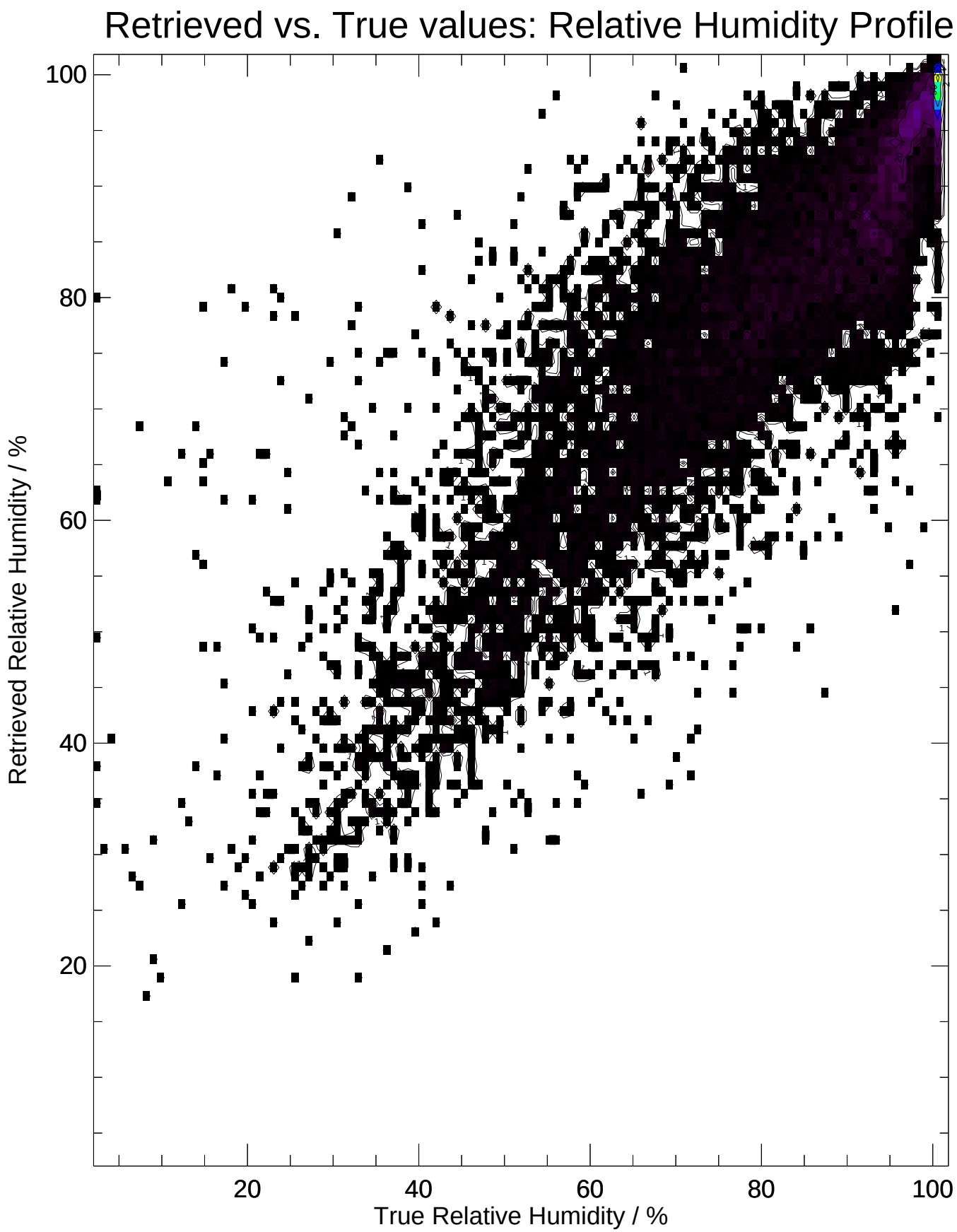

Relative Error (amplitude dependent)
Z = 1000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
10
20
40
60
80
100
N=11
N=10
N=21
N=49
N=99
N=171
N=239
N=387
N=439
N=539
N=713
N=843
N=981
N=1034
N=1438
N=2846

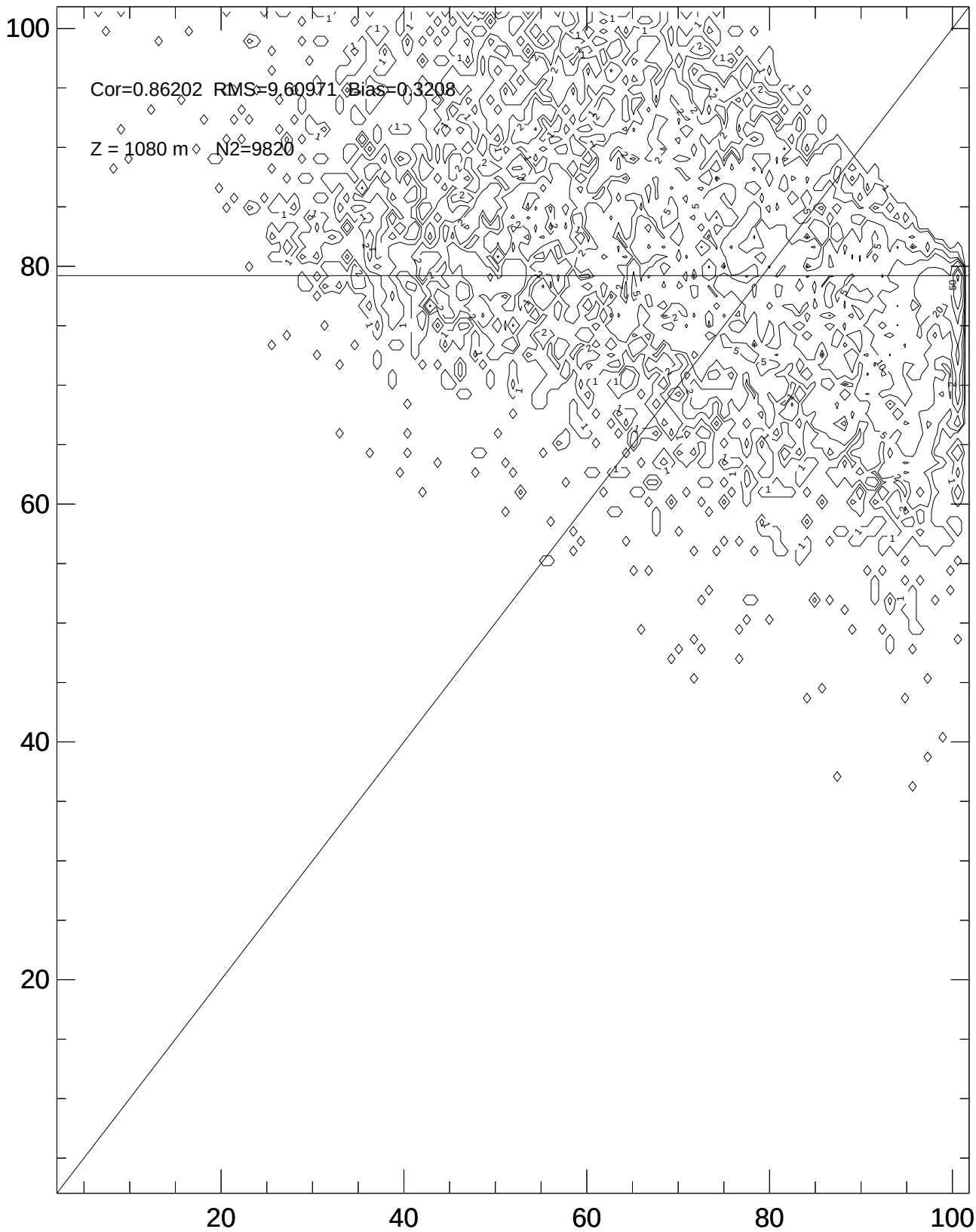

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

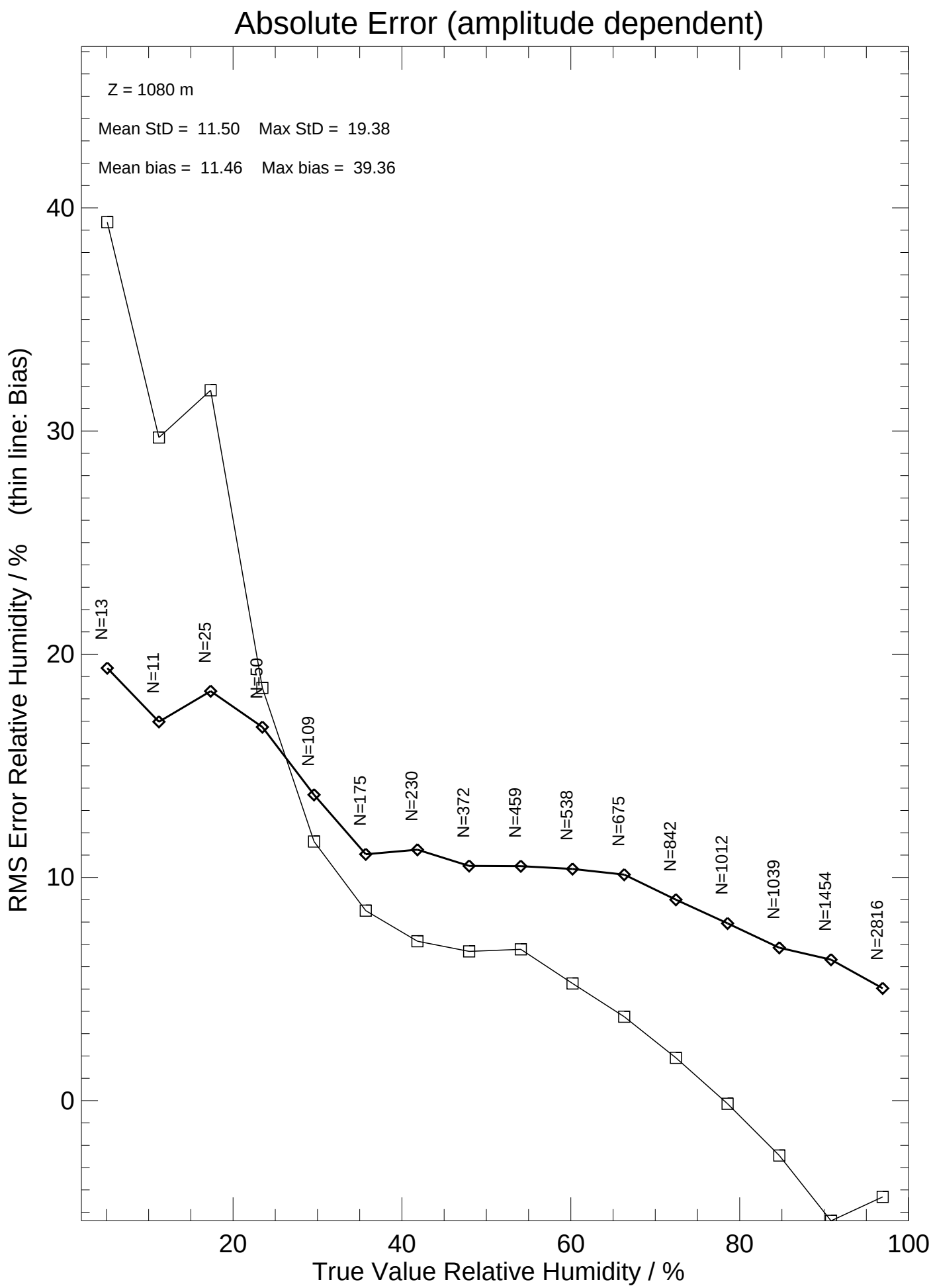

Cor=0.86641 RMS=9.42153 Bias=0.3128
Z = 1040 m N2=9820
100
80
60
40
20
20
40
60
80
100

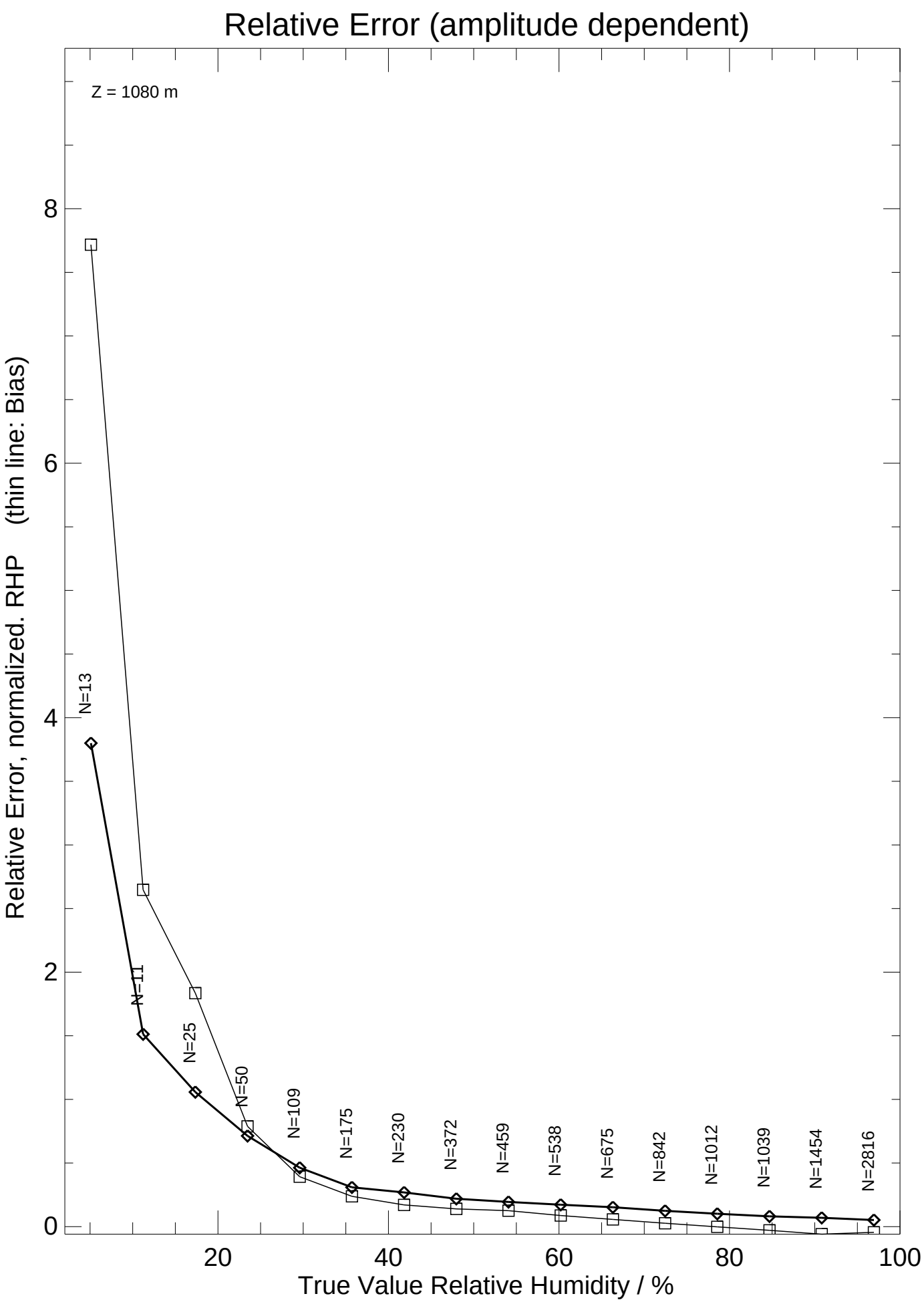

Absolute Error (amplitude dependent)
Z = 1040 m
Mean StD = 11.39 Max StD = 19.68
Mean bias = 11.25 Max bias = 40.03
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=13
N=12
N=20
N=48
N=96
N=186
N=233
N=379
N=452
N=531
N=690
N=845
N=1010
N=1014
N=1459
N=2832

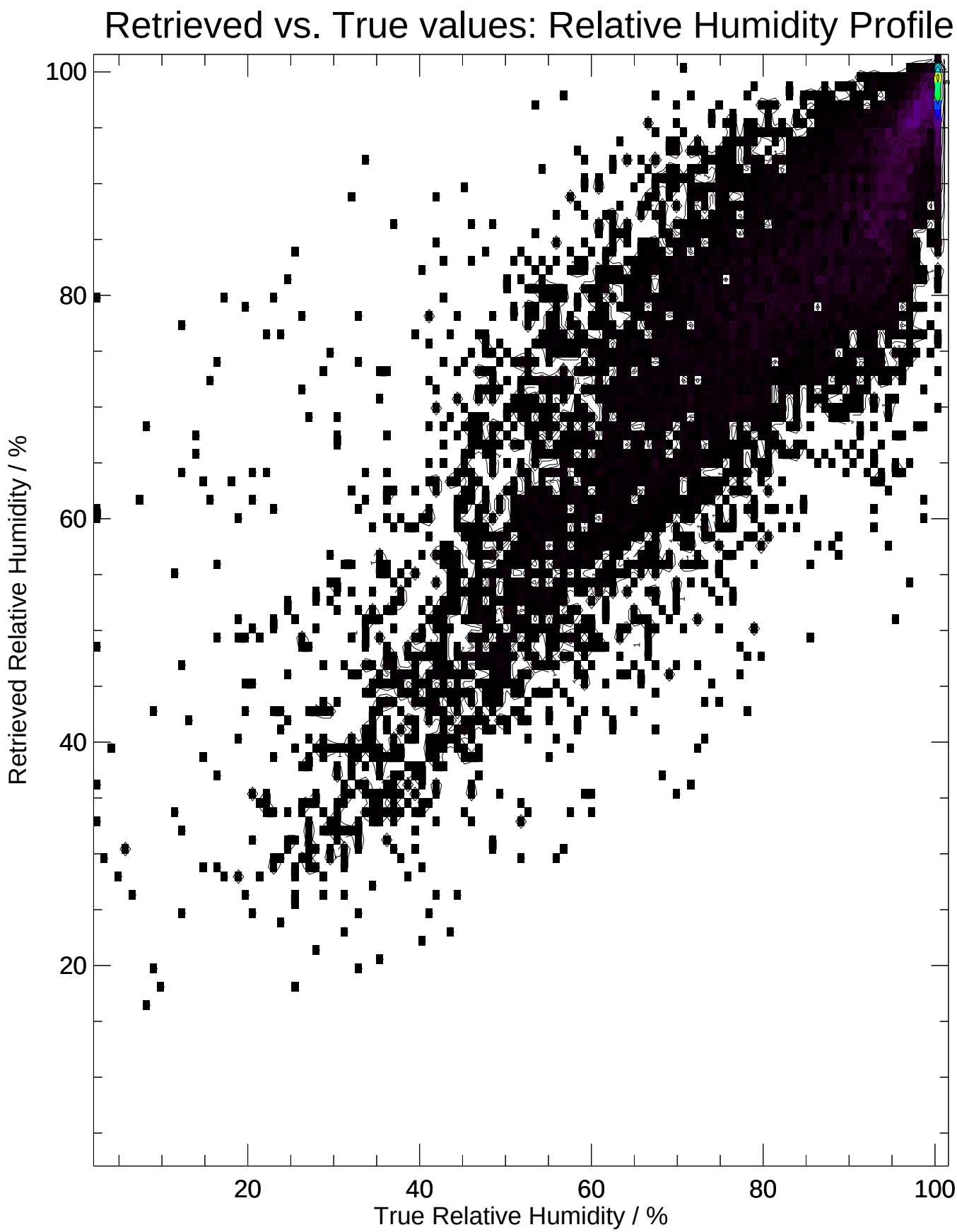

Relative Error (amplitude dependent)
Z = 1040 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=13
N=12
N=20
N=48
N=96
N=186
N=233
N=379
N=452
N=531
N=690
N=845
N=1010
N=1014
N=1459
N=2832

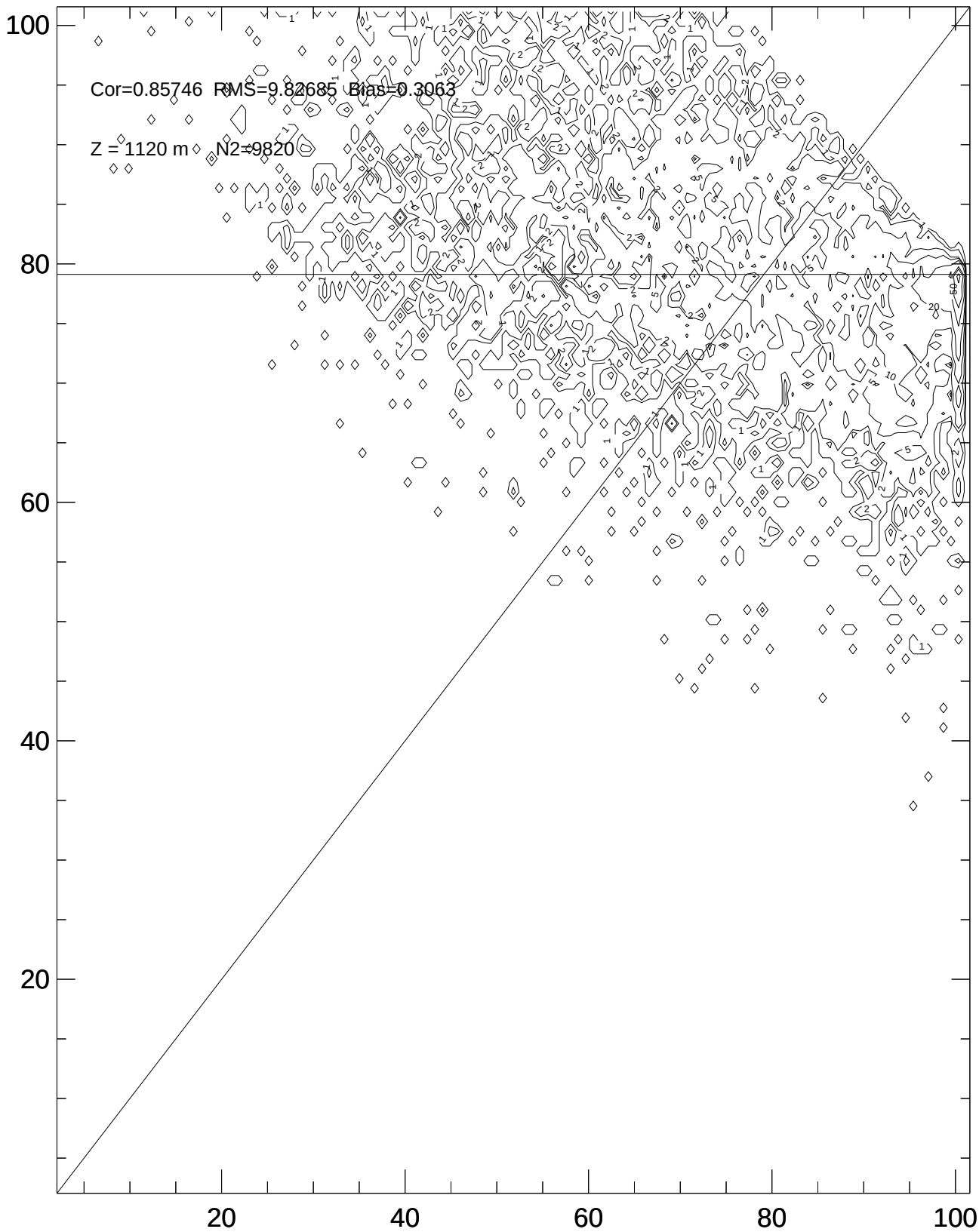

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

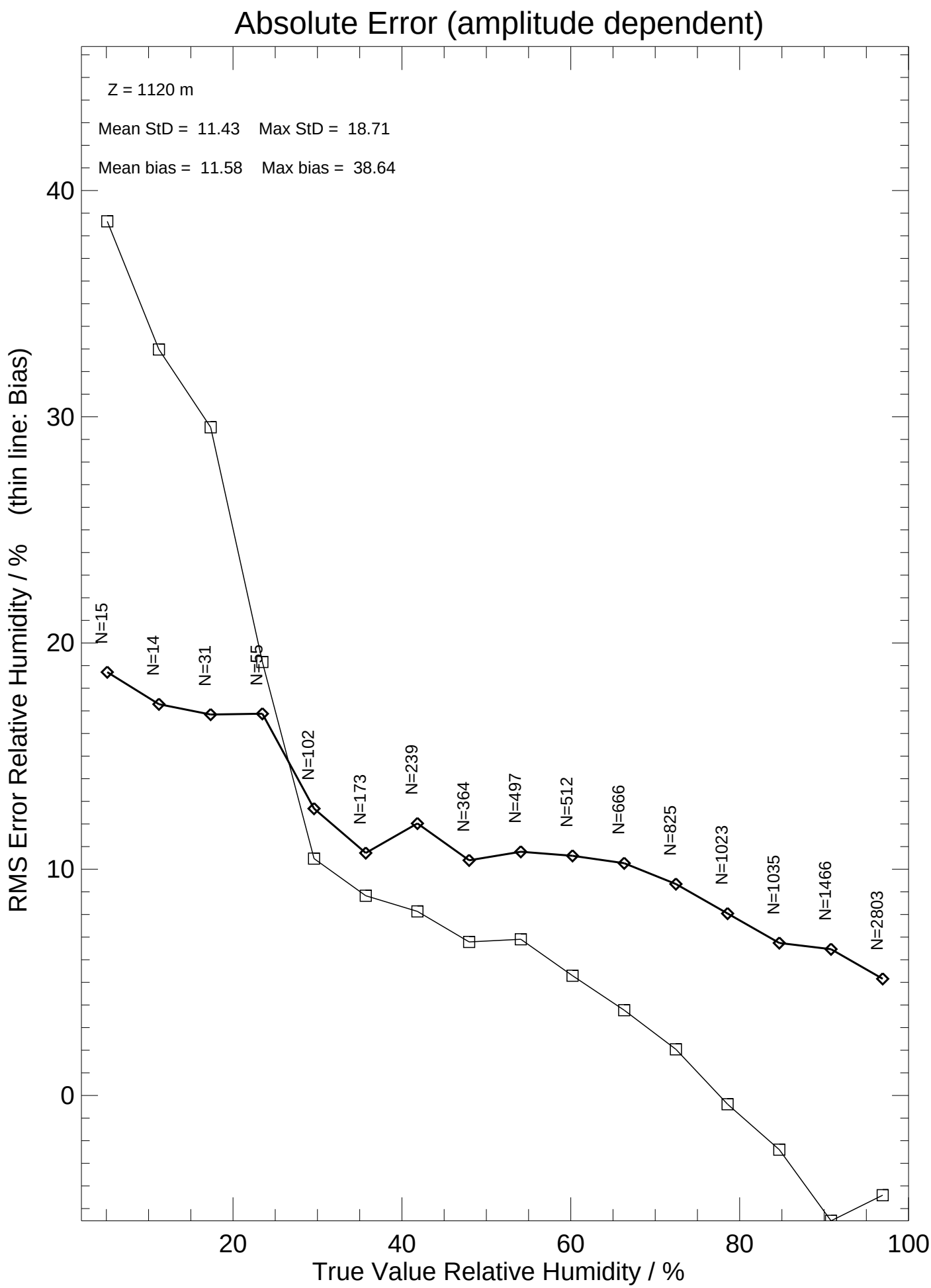

Cor=0.86202 RMS=9.60971 Bias=0.3208
Z = 1080 m N2=9820
100
80
60
40
20
20
40
60
80
100

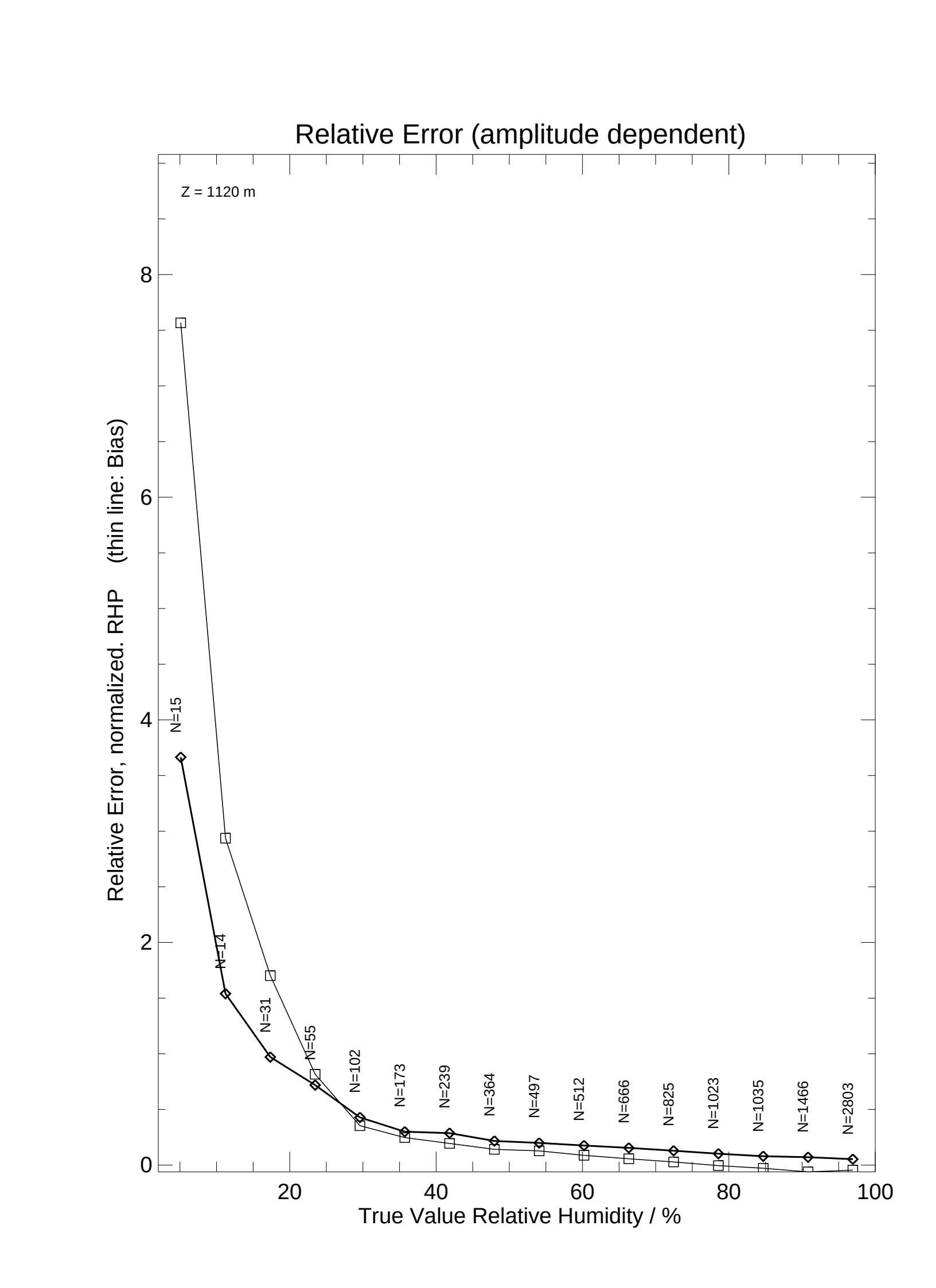

Absolute Error (amplitude dependent)
Z = 1080 m
Mean StD = 11.50 Max StD = 19.38
Mean bias = 11.46 Max bias = 39.36
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=13
N=11
N=25
N=50
N=109
N=175
N=230
N=372
N=459
N=538
N=675
N=842
N=1012
N=1039
N=1454
N=2816

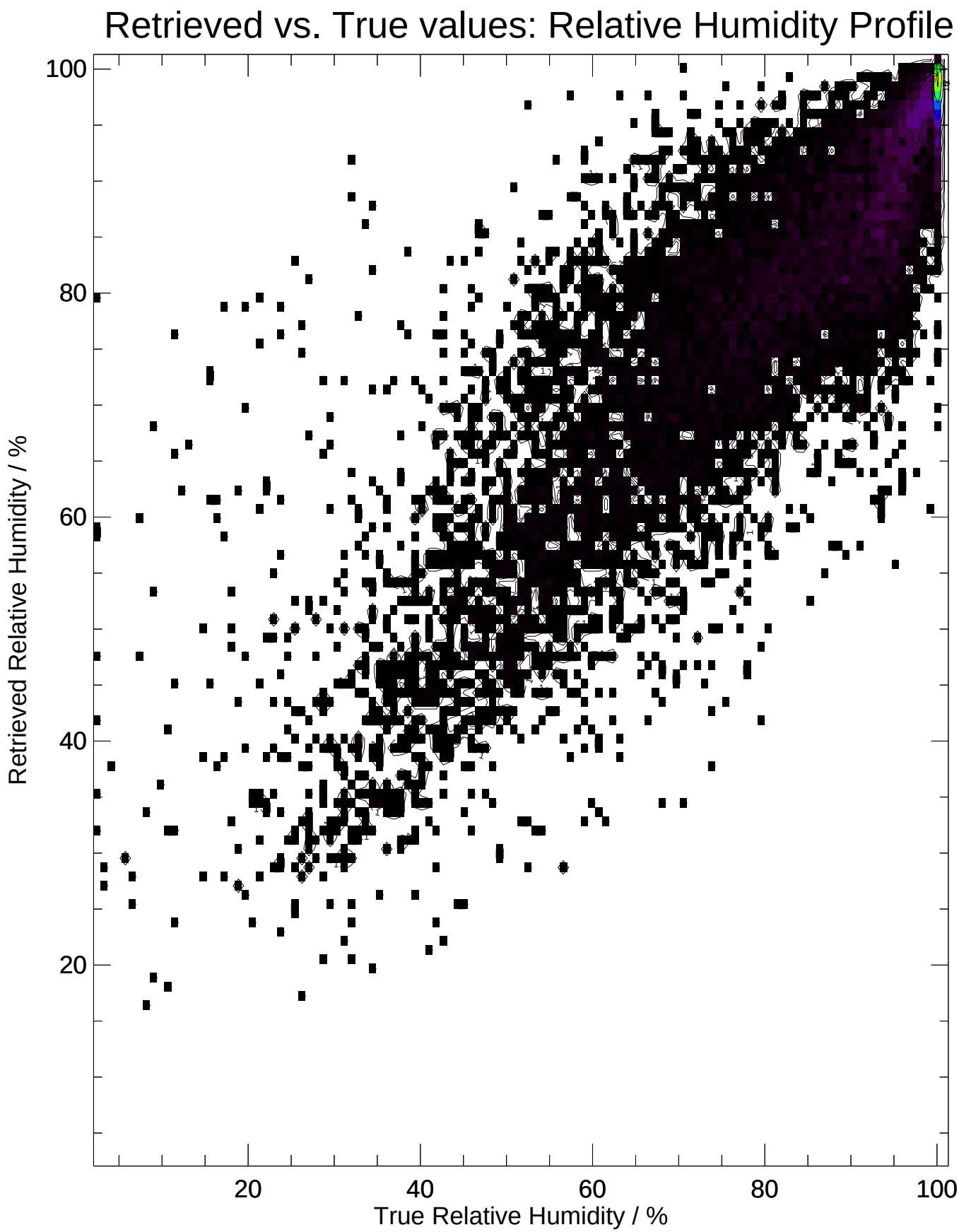

Relative Error (amplitude dependent)
Z = 1080 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=13
N=11
N=25
N=50
N=109
N=175
N=230
N=372
N=459
N=538
N=675
N=842
N=1012
N=1039
N=1454
N=2816

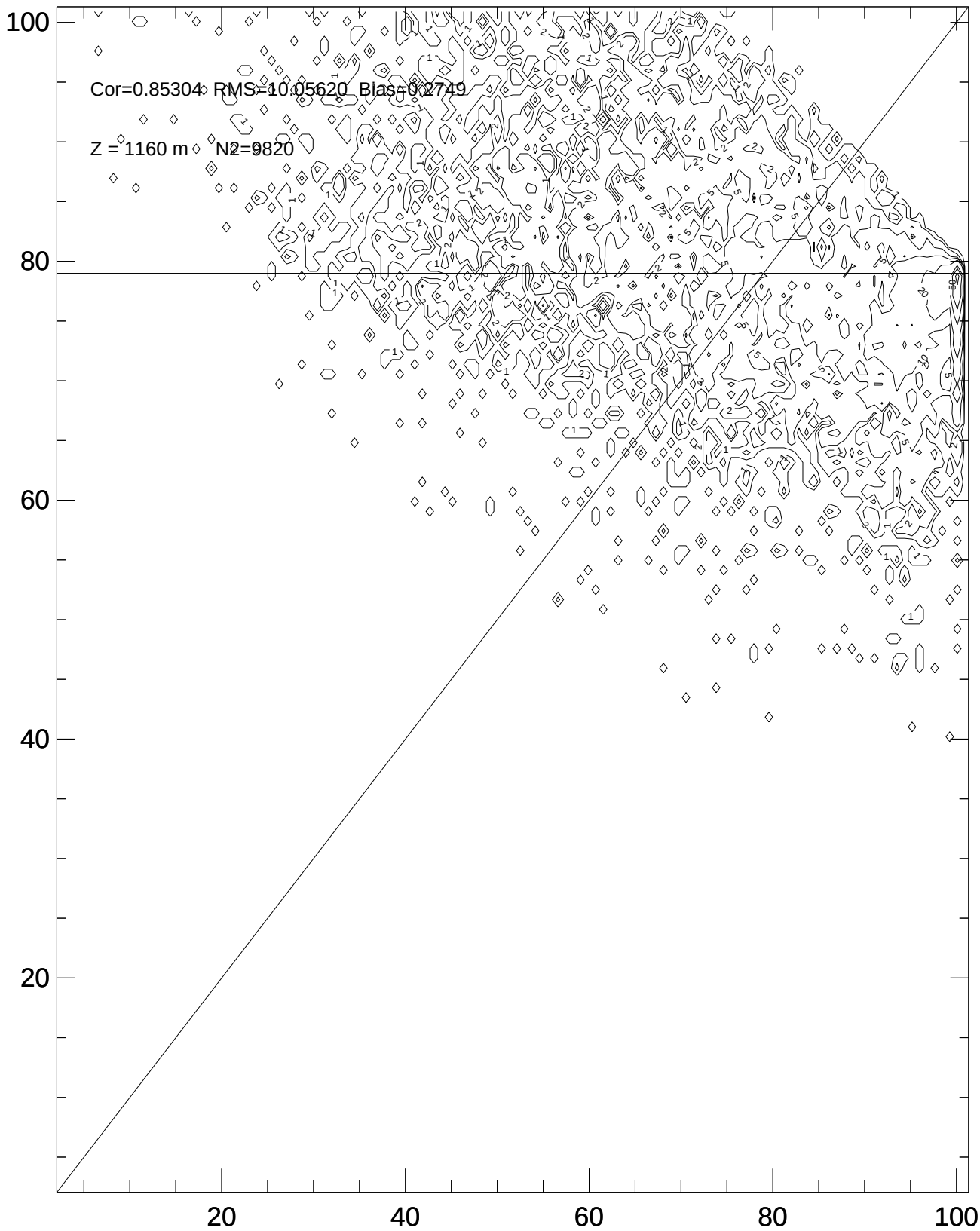

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

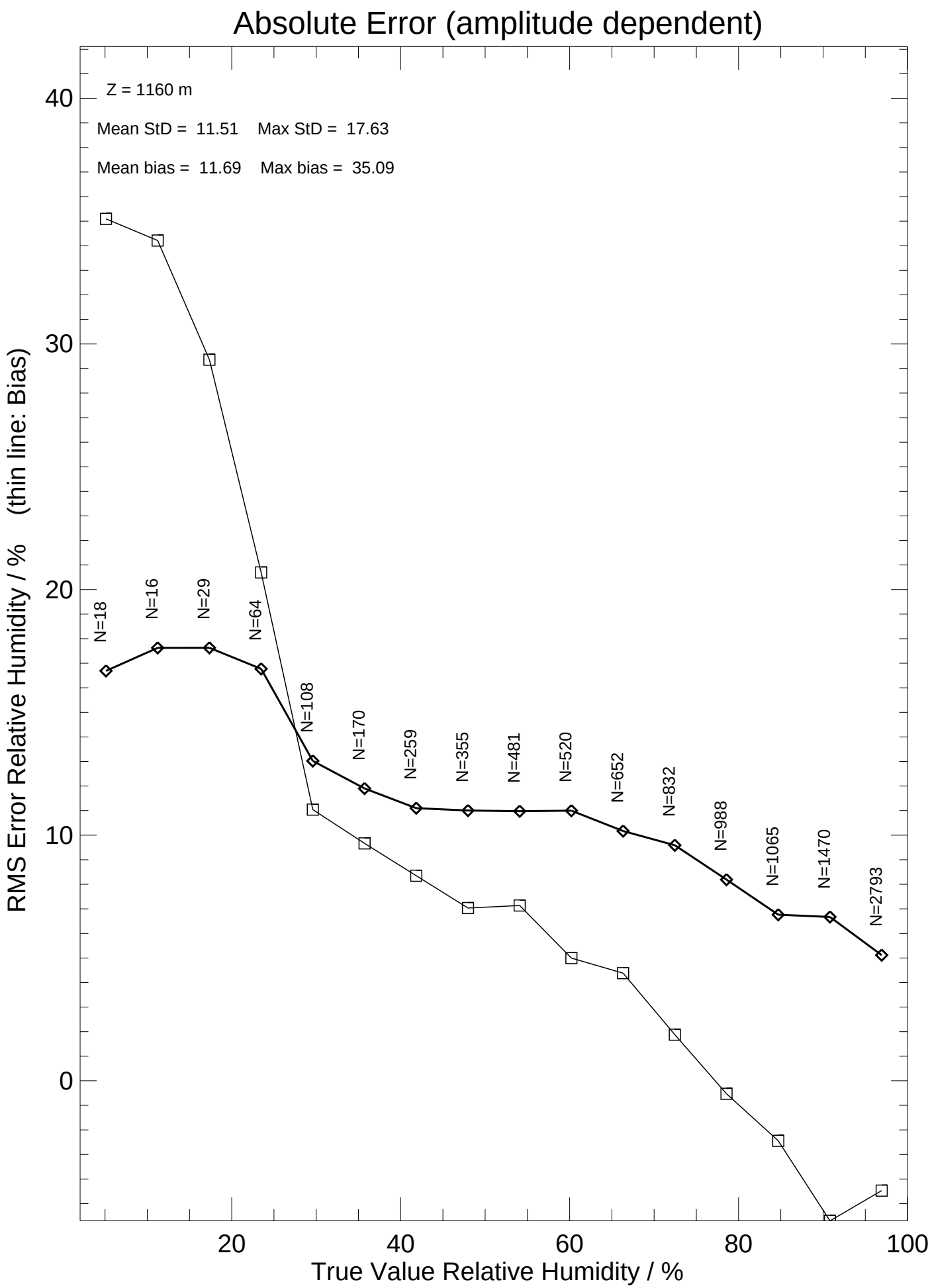

Cor=0.85746 RMS=9.82685 Bias=0.3063
Z = 1120 m N2=9820
100
80
60
40
20
20
40
60
80
100

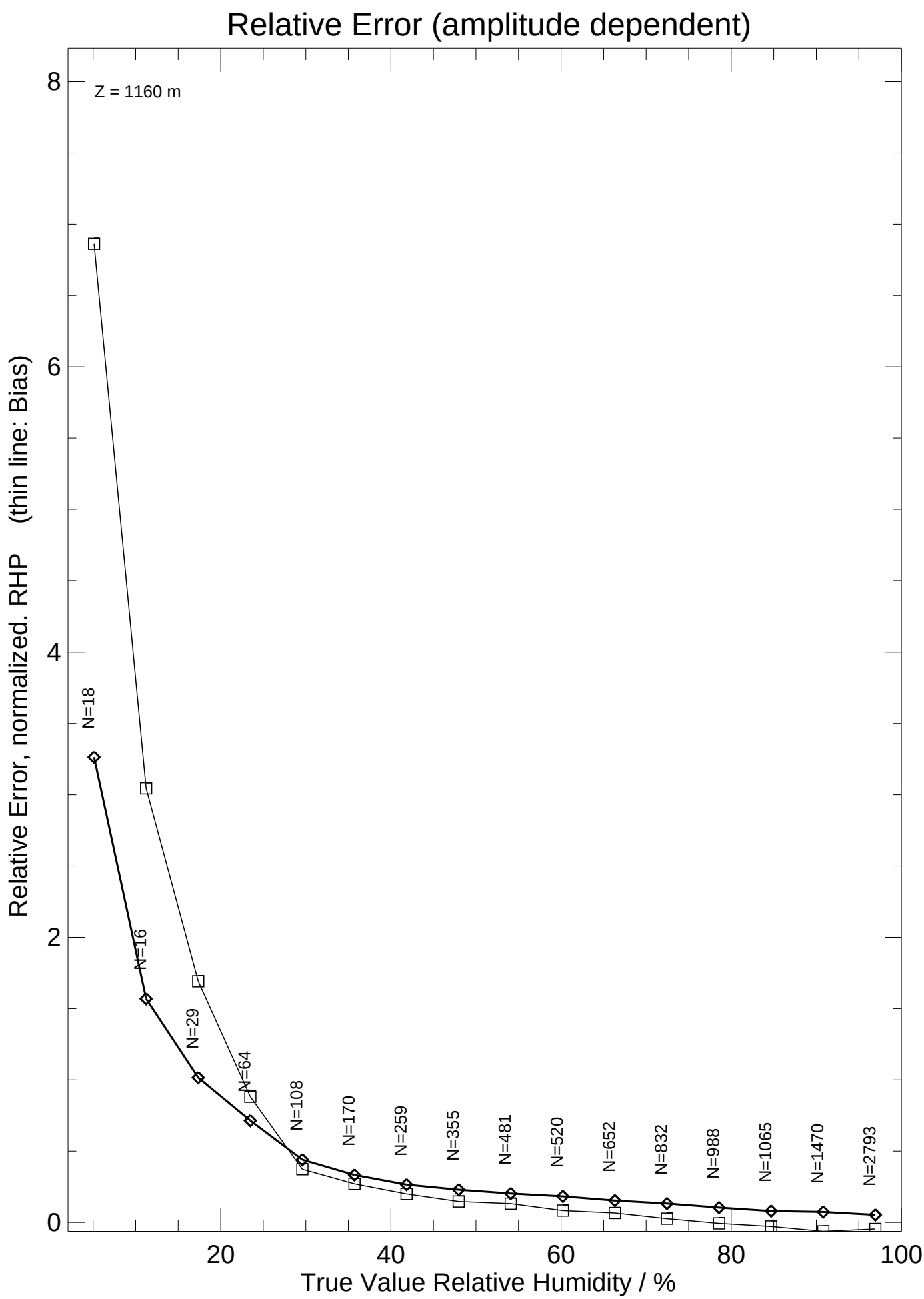

Absolute Error (amplitude dependent)
Z = 1120 m
Mean StD = 11.43 Max StD = 18.71
Mean bias = 11.58 Max bias = 38.64
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=15
N=14
N=31
N=55
N=102
N=173
N=239
N=364
N=497
N=512
N=666
N=825
N=1023
N=1035
N=1466
N=2803

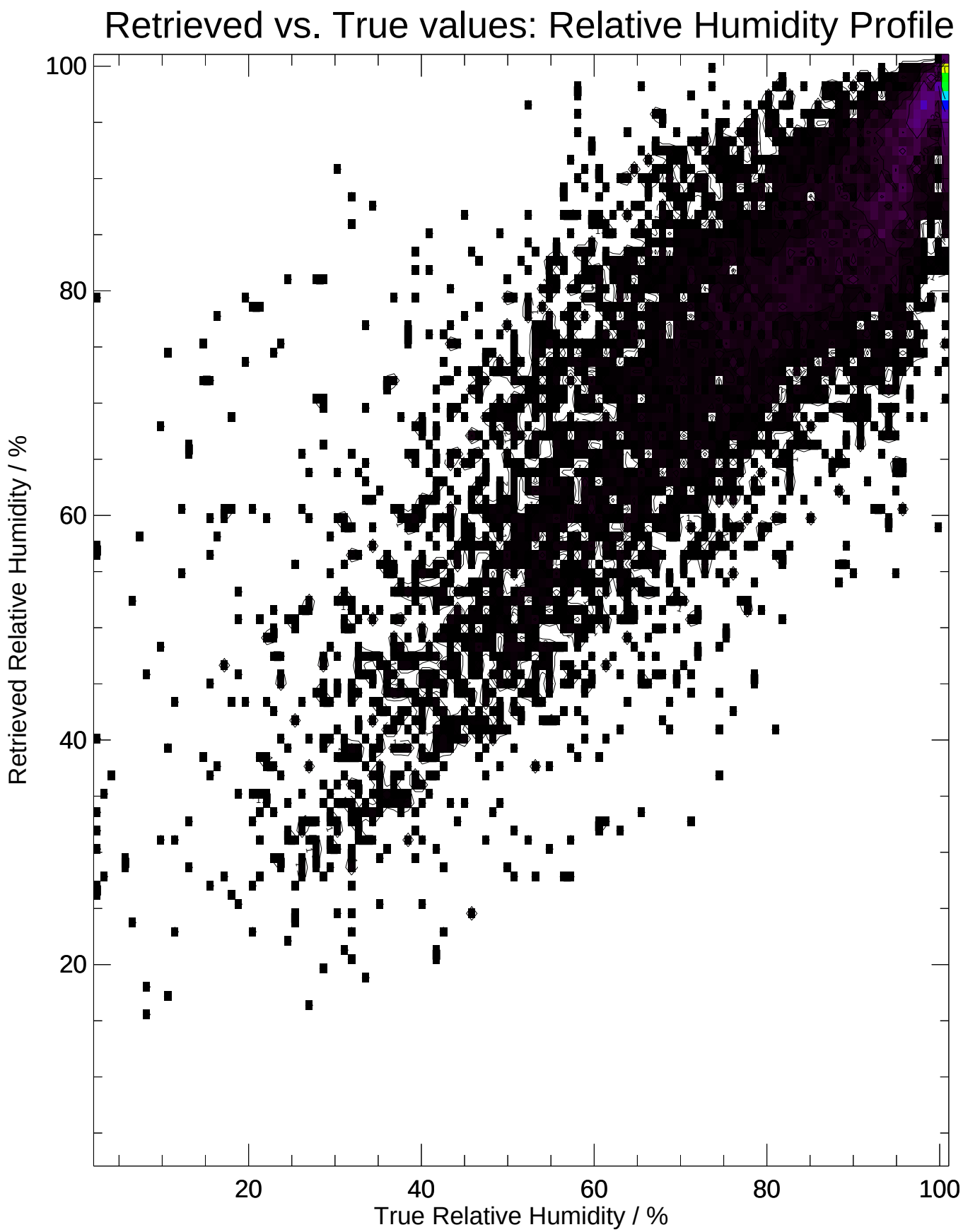

Relative Error (amplitude dependent)
Z = 1120 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=15
N=14
N=31
N=55
N=102
N=173
N=239
N=364
N=497
N=512
N=666
N=825
N=1023
N=1035
N=1466
N=2803

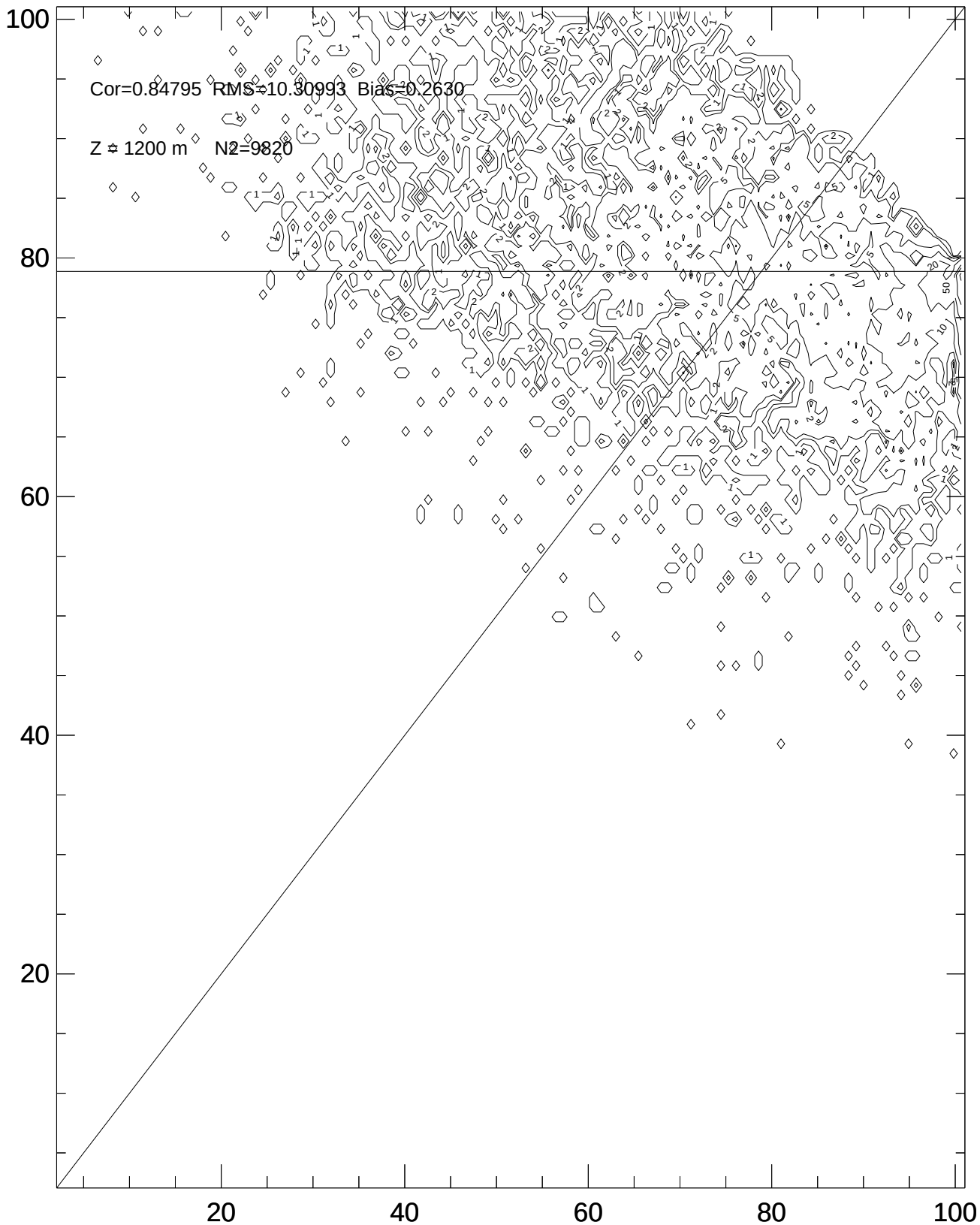

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

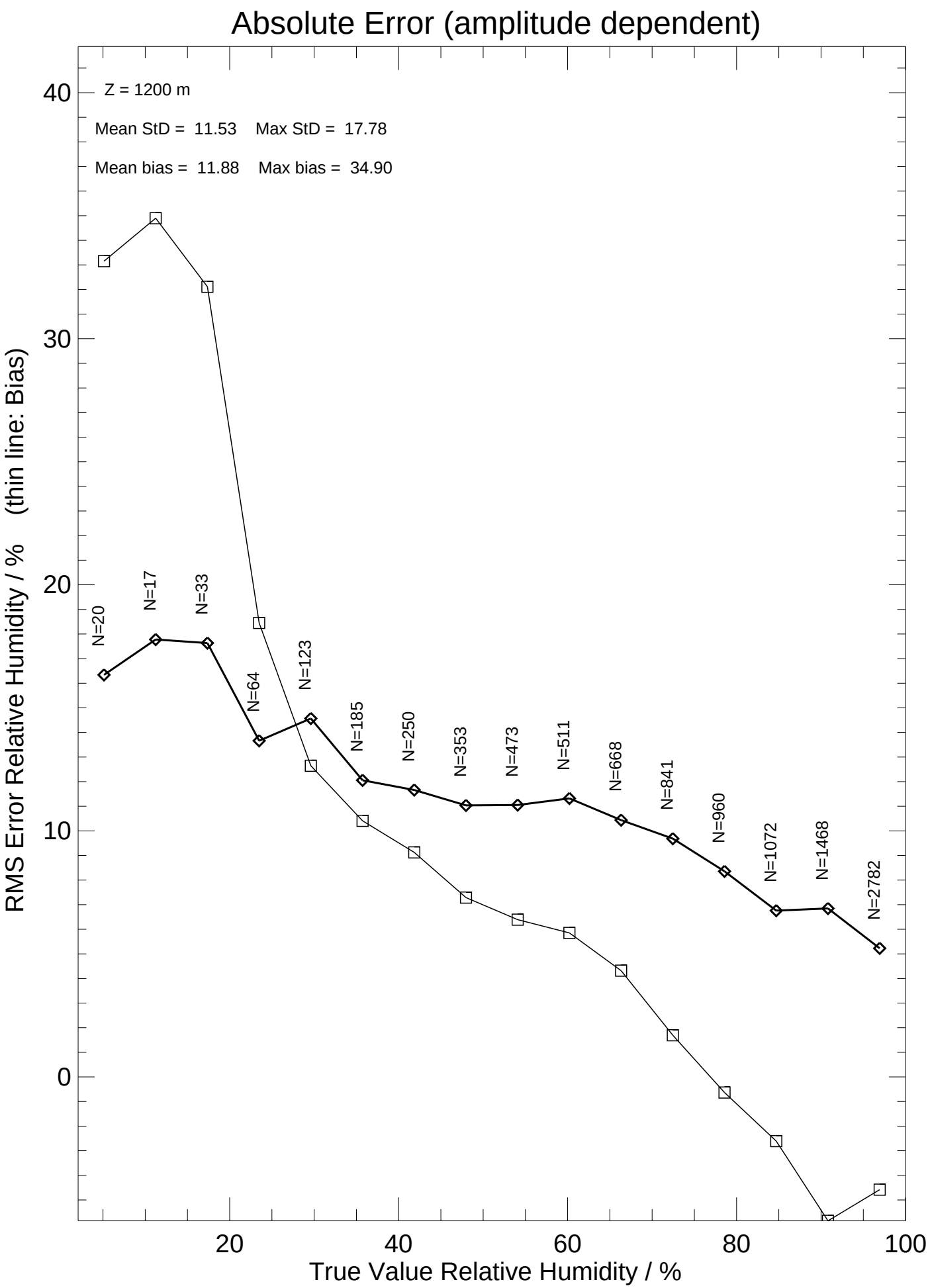

Cor=0.85304 RMS=10.05620 Bias=0.2749
Z = 1160 m N2=9820
100
80
60
40
20
20
40
60
80
100

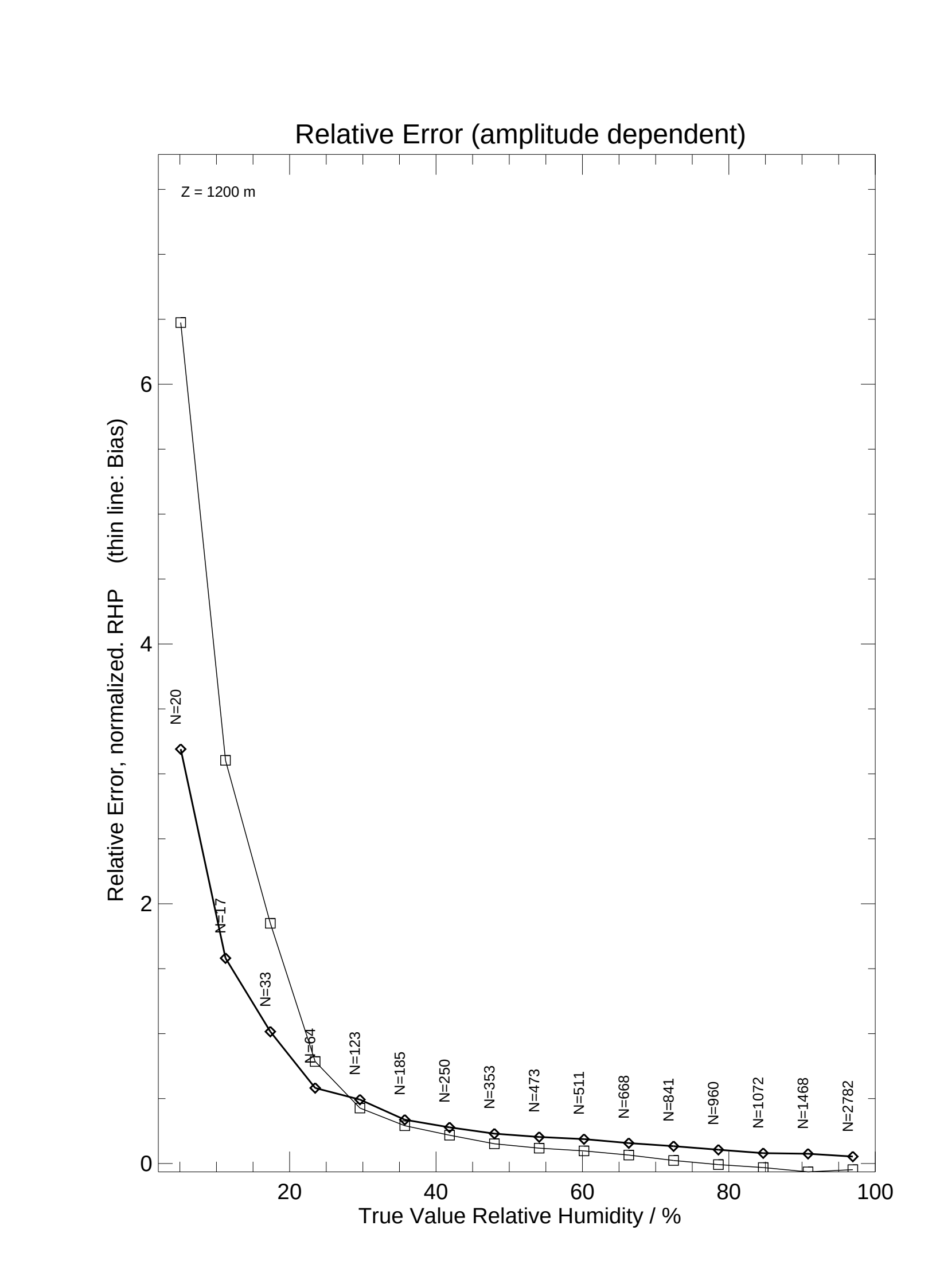

Absolute Error (amplitude dependent)
Z = 1160 m
Mean StD = 11.51 Max StD = 17.63
Mean bias = 11.69 Max bias = 35.09
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=18
N=16
N=29
N=64
N=108
N=170
N=259
N=355
N=481
N=520
N=652
N=832
N=988
N=1065
N=1470
N=2793

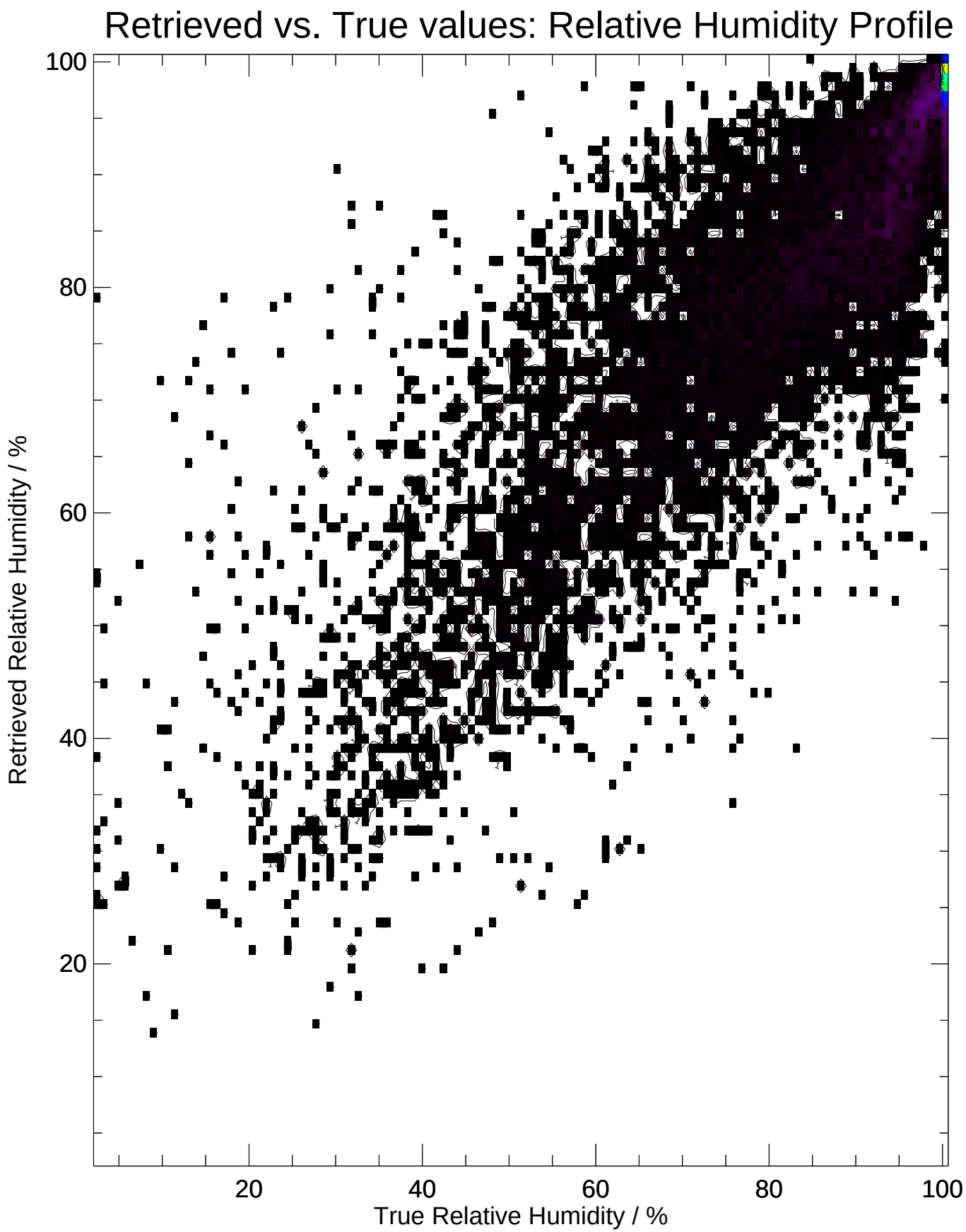

Relative Error (amplitude dependent)
Z = 1160 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
8
20
40
60
80
100
N=18
N=16
N=29
N=64
N=108
N=170
N=259
N=355
N=481
N=520
N=652
N=832
N=988
N=1065
N=1470
N=2793

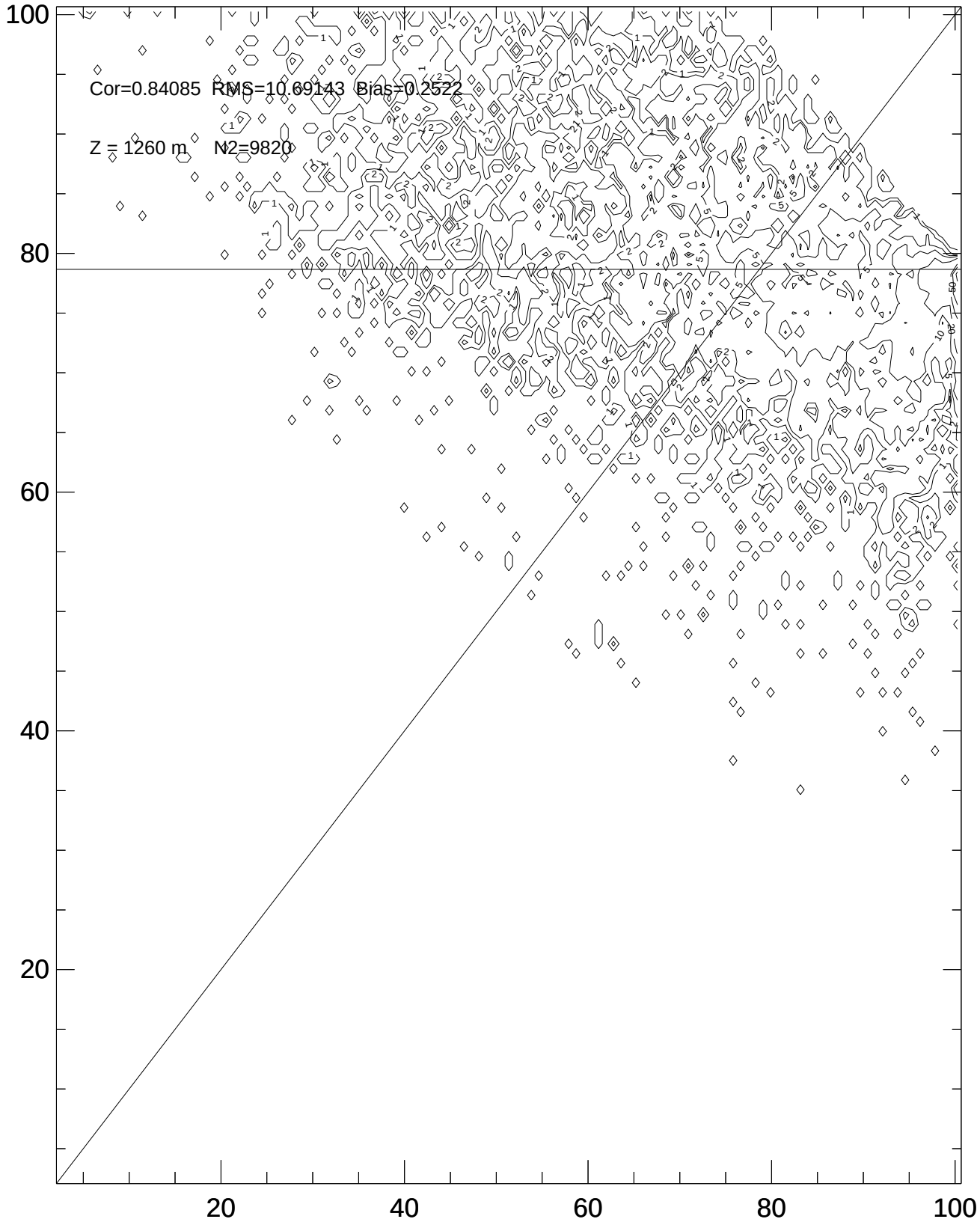

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

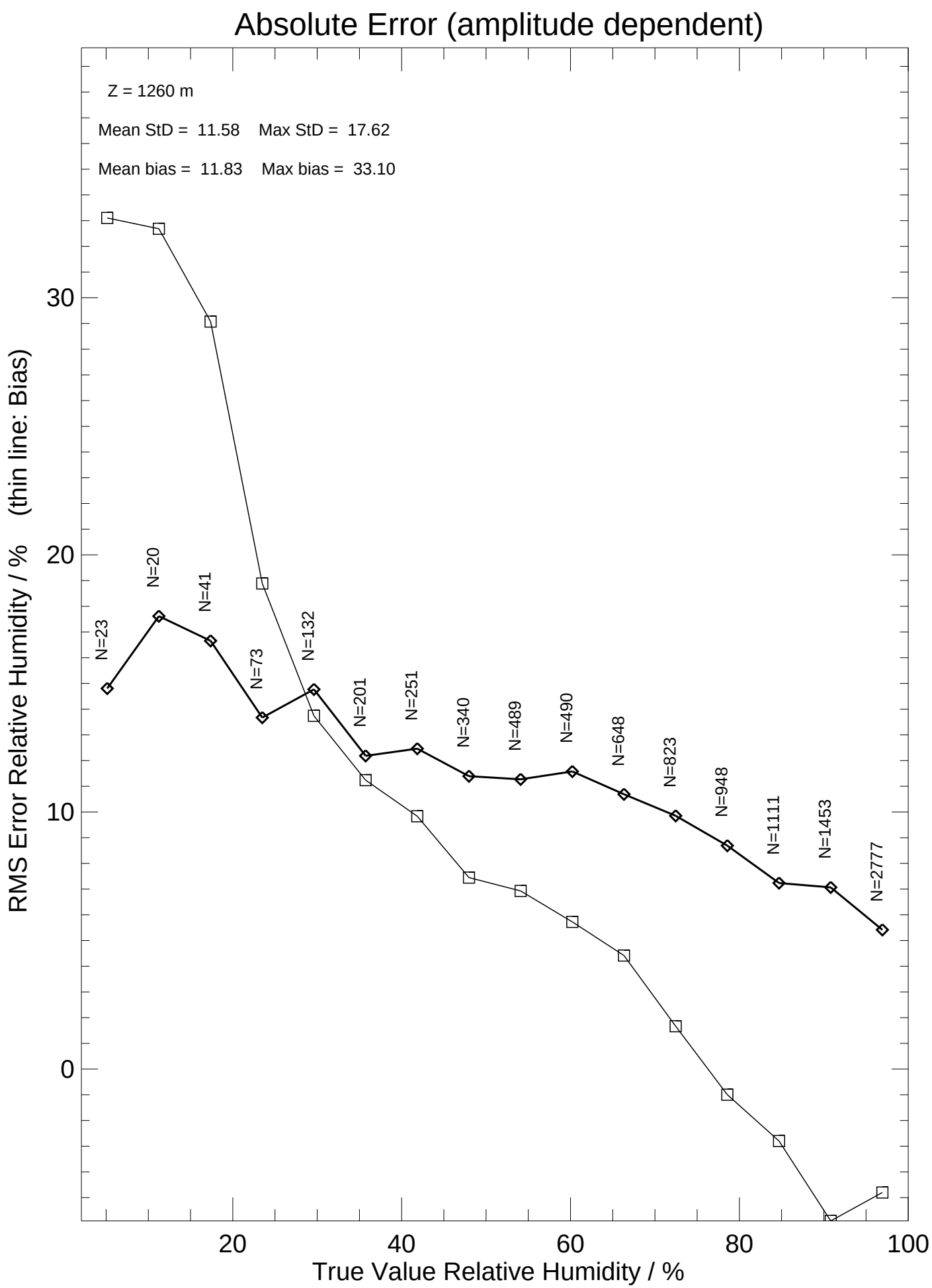

Cor=0.84795 RMS=10.30993 Bias=0.2630
Z = 1200 m N2=9820
100
80
60
40
20
20
40
60
80
100

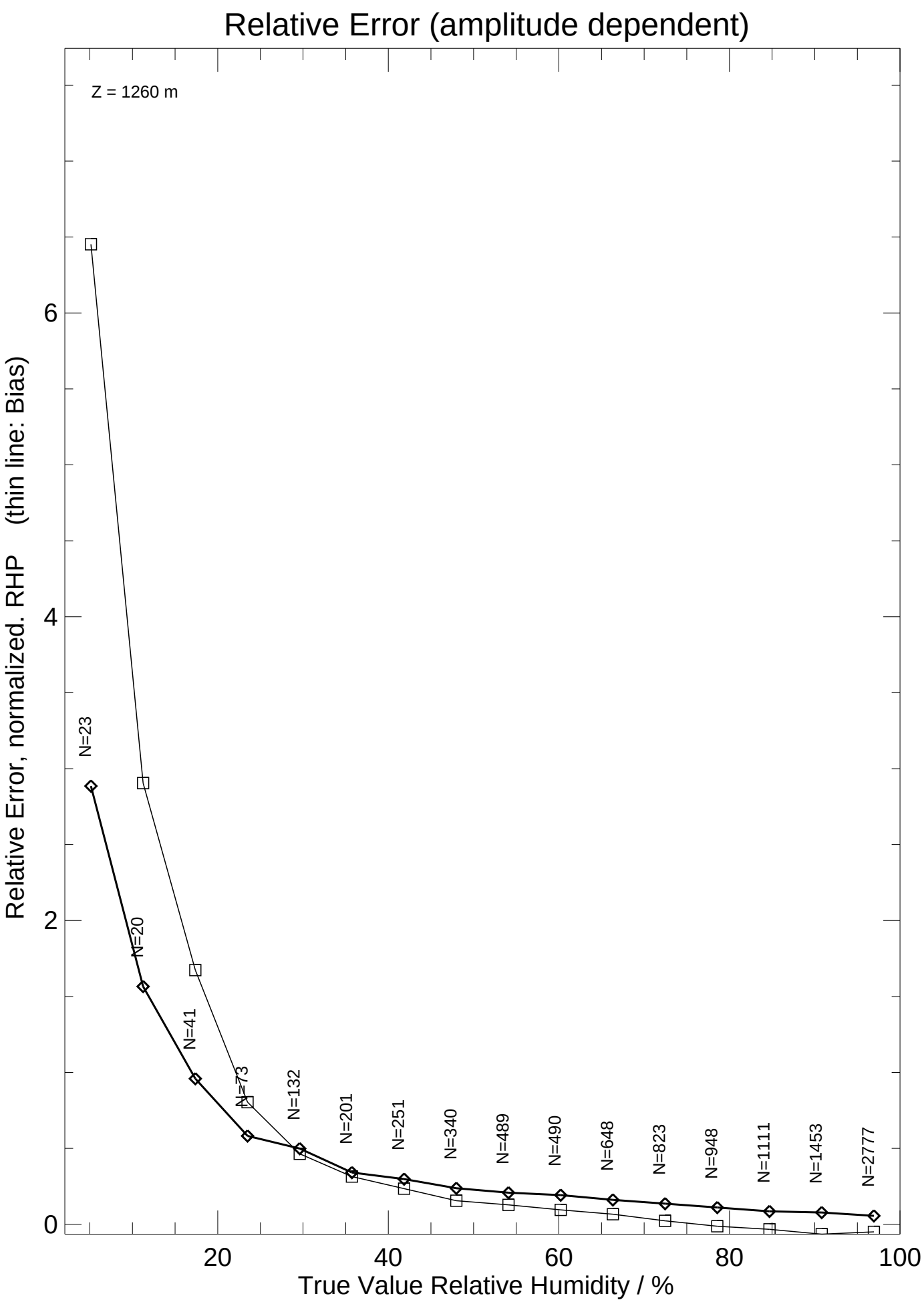

Absolute Error (amplitude dependent)
Z = 1200 m
Mean StD = 11.53 Max StD = 17.78
Mean bias = 11.88 Max bias = 34.90
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=20
N=17
N=33
N=64
N=123
N=185
N=250
N=353
N=473
N=511
N=668
N=841
N=960
N=1072
N=1468
N=2782

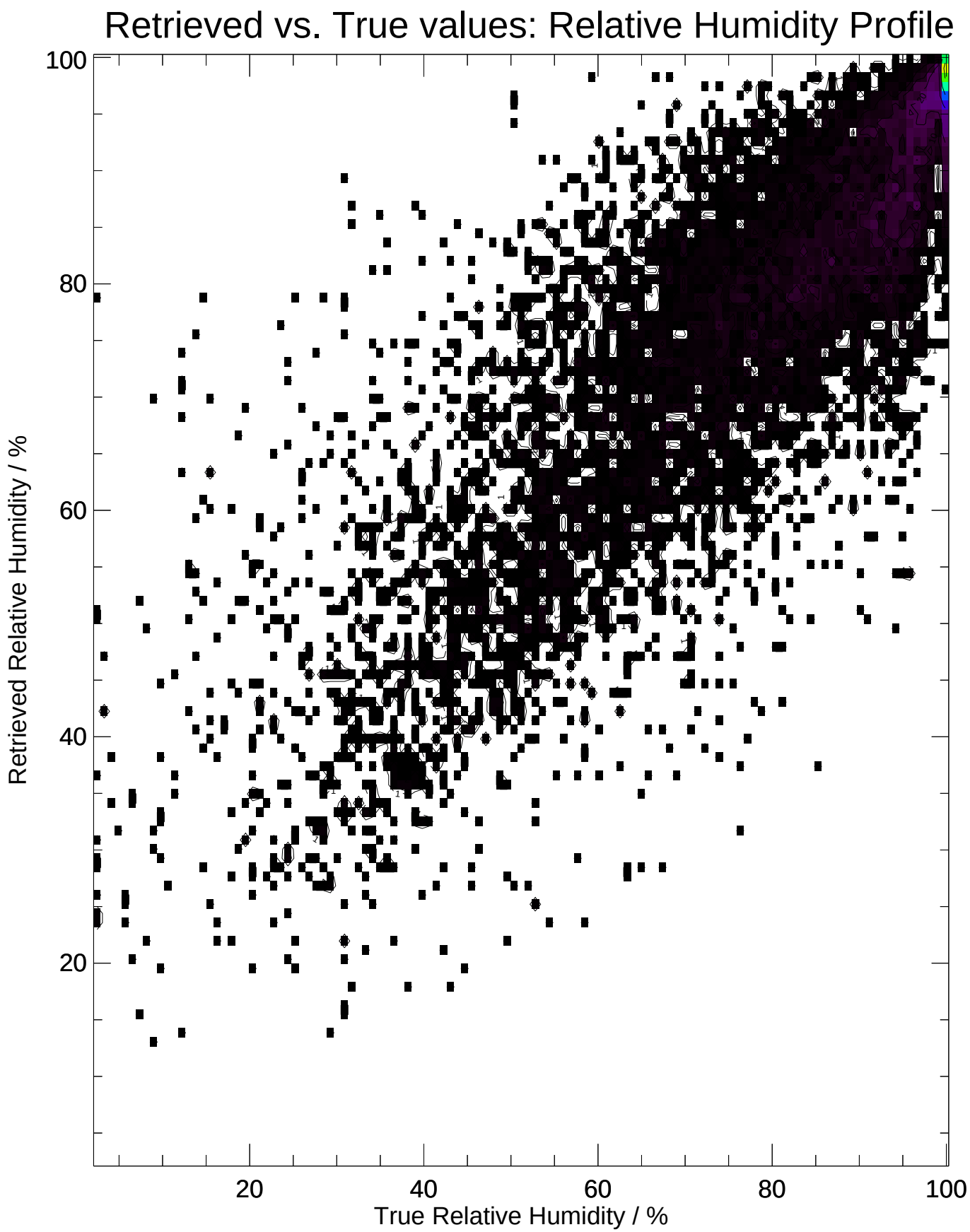

Relative Error (amplitude dependent)
Z = 1200 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
20
40
60
80
100
N=20
N=17
N=33
N=64
N=123
N=185
N=250
N=353
N=473
N=511
N=668
N=841
N=960
N=1072
N=1468
N=2782

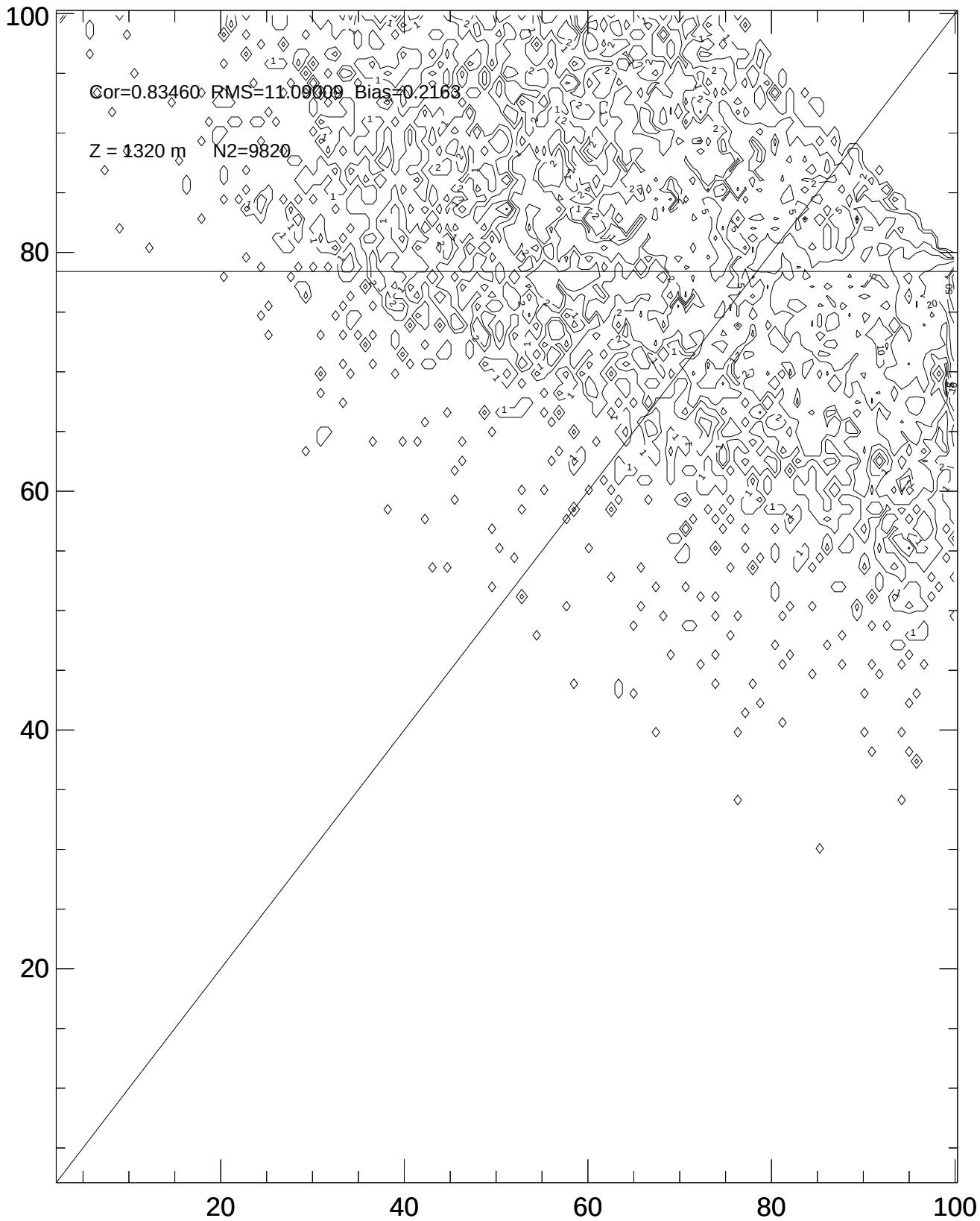

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

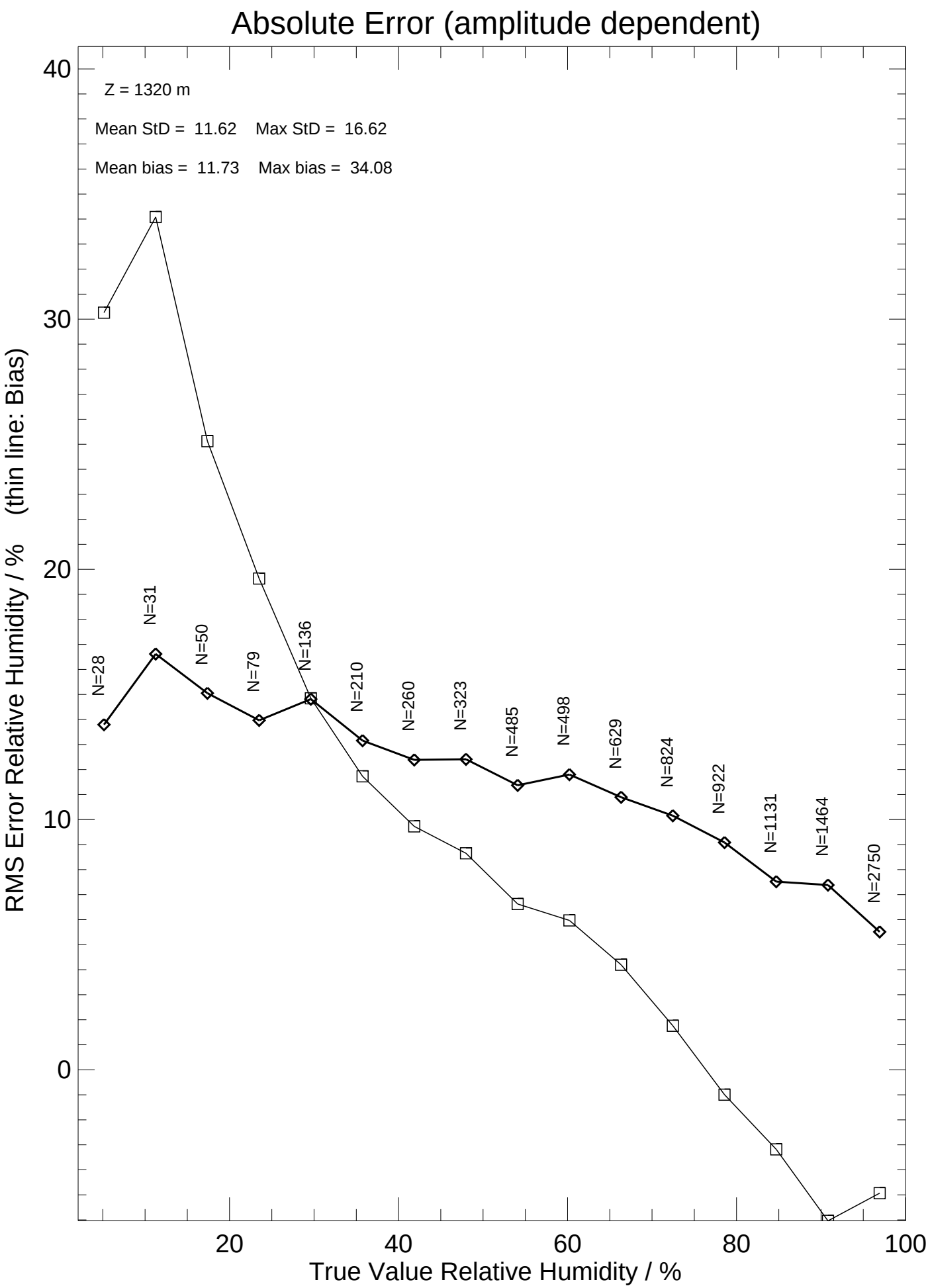

Cor=0.84085 RMS=10.69143 Bias=0.2522
Z = 1260 m N2=9820
100
80
60
40
20
20
40
60
80
100

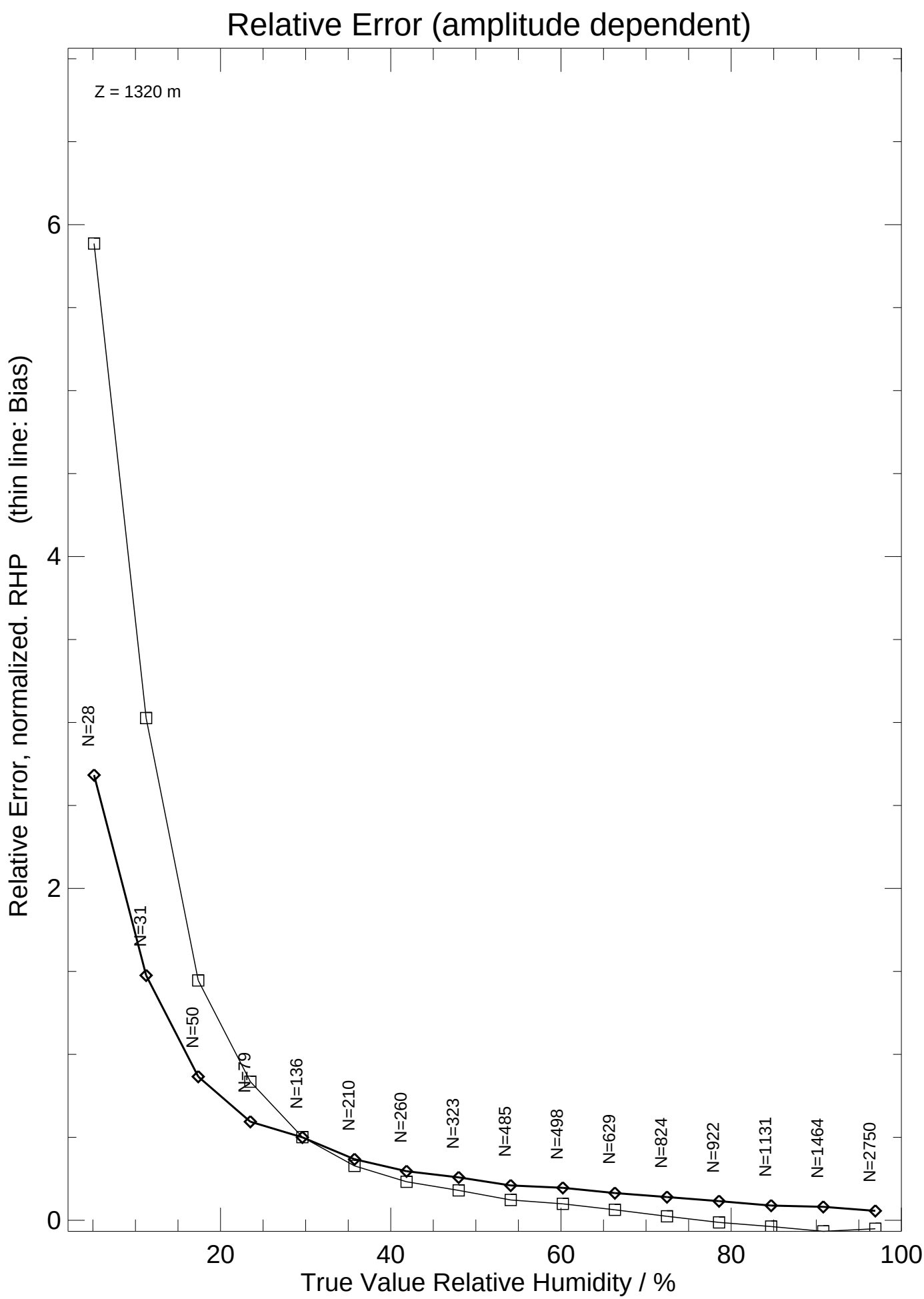

Absolute Error (amplitude dependent)
Z = 1260 m
Mean StD = 11.58 Max StD = 17.62
Mean bias = 11.83 Max bias = 33.10
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=23
N=20
N=41
N=73
N=132
N=201
N=251
N=340
N=489
N=490
N=648
N=823
N=948
N=1111
N=1453
N=2777

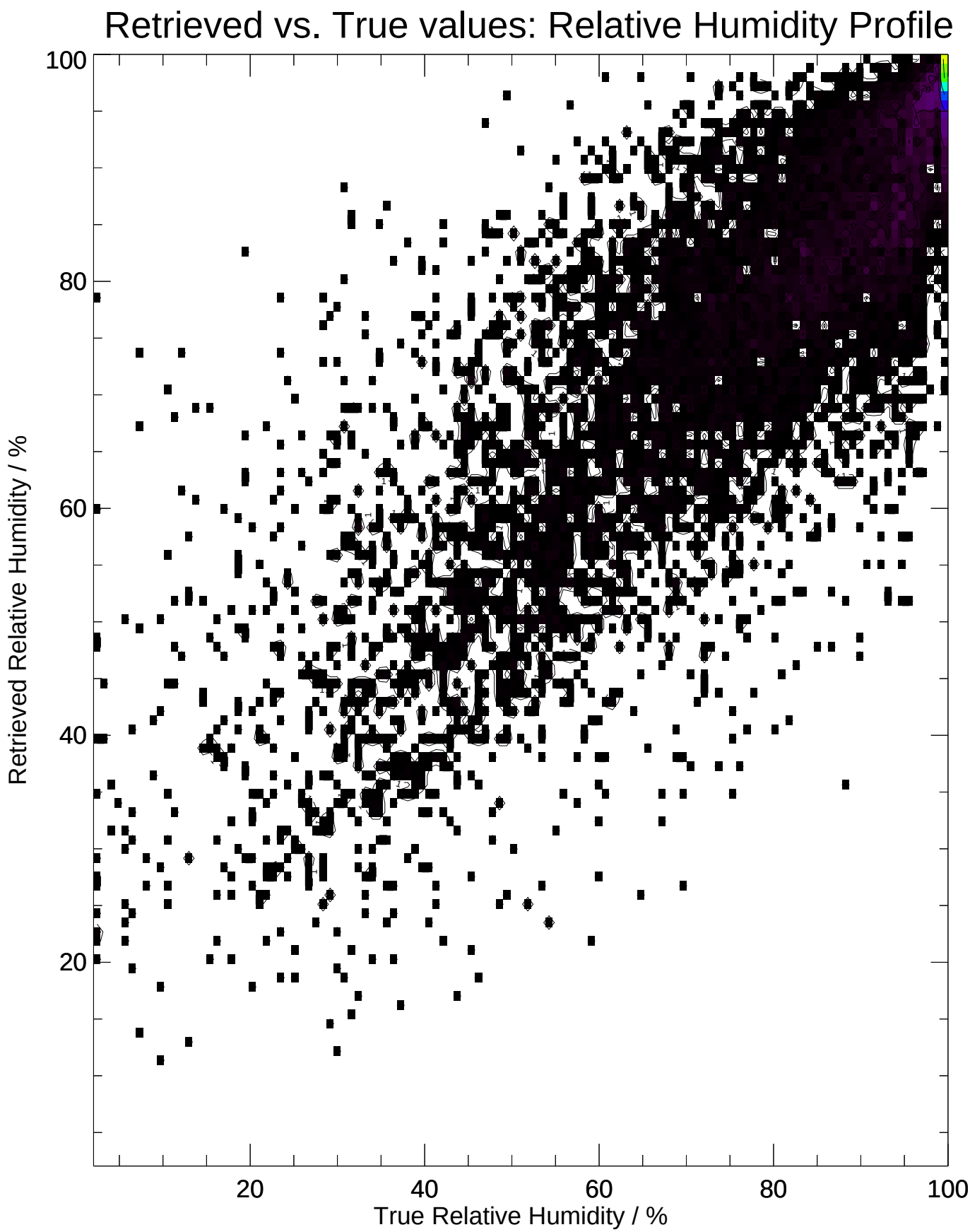

Relative Error (amplitude dependent)
Z = 1260 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
20
40
60
80
100
N=23
N=20
N=41
N=73
N=132
N=201
N=251
N=340
N=489
N=490
N=648
N=823
N=948
N=1111
N=1453
N=2777

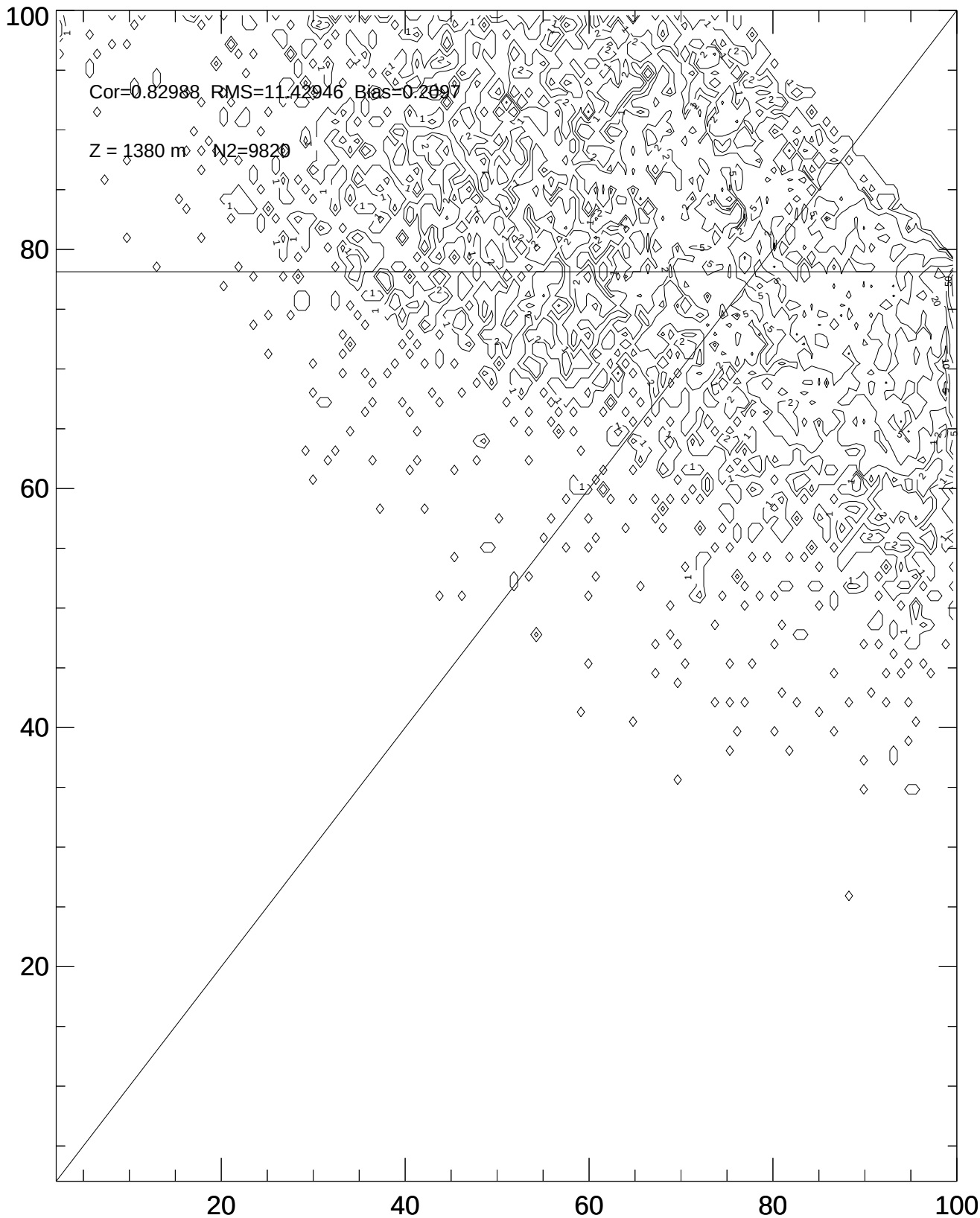

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

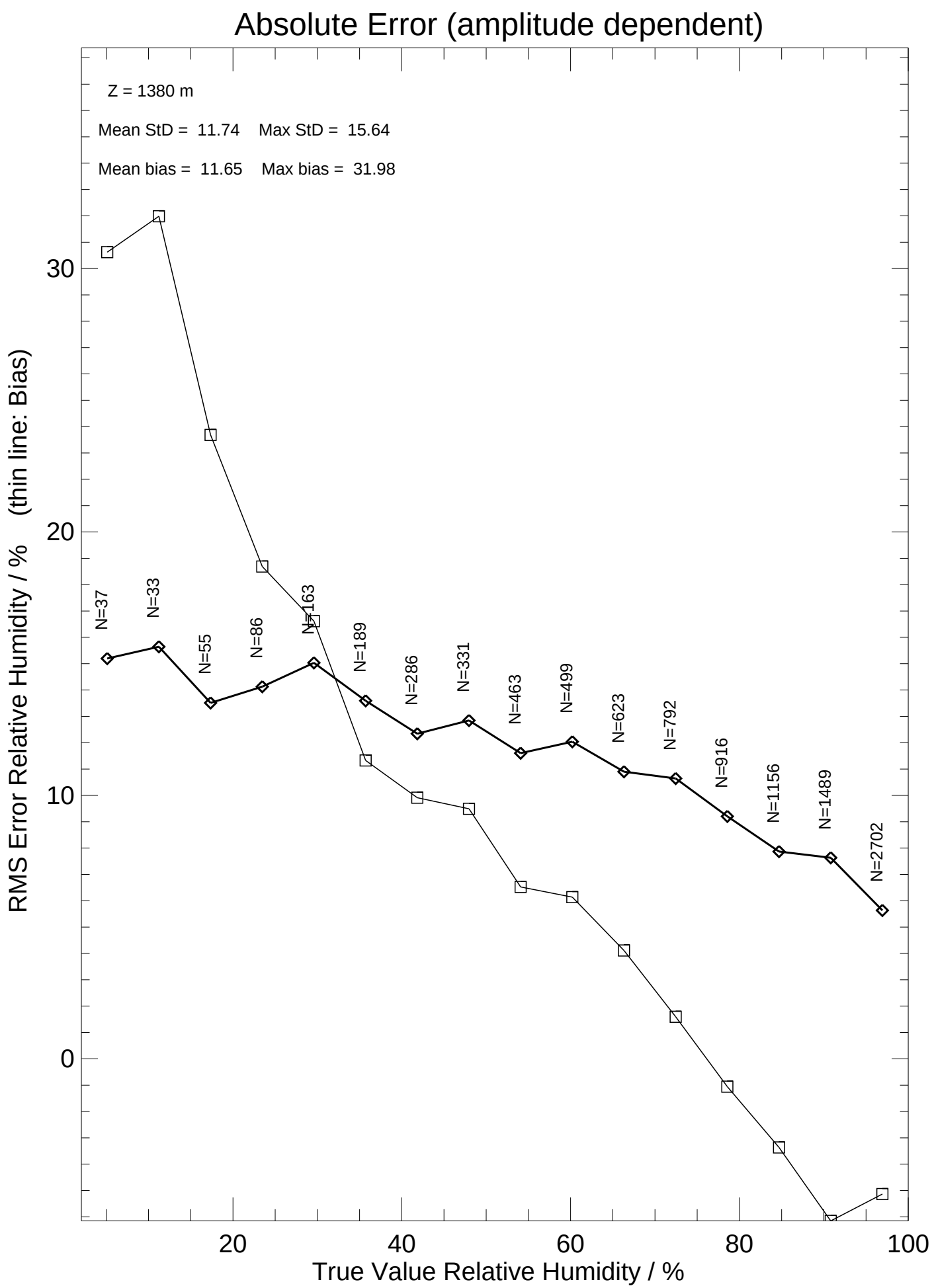

Cor=0.83460 RMS=11.09009 Bias=0.2163
Z = 1320 m N2=9820
100
80
60
40
20
20
40
60
80
100

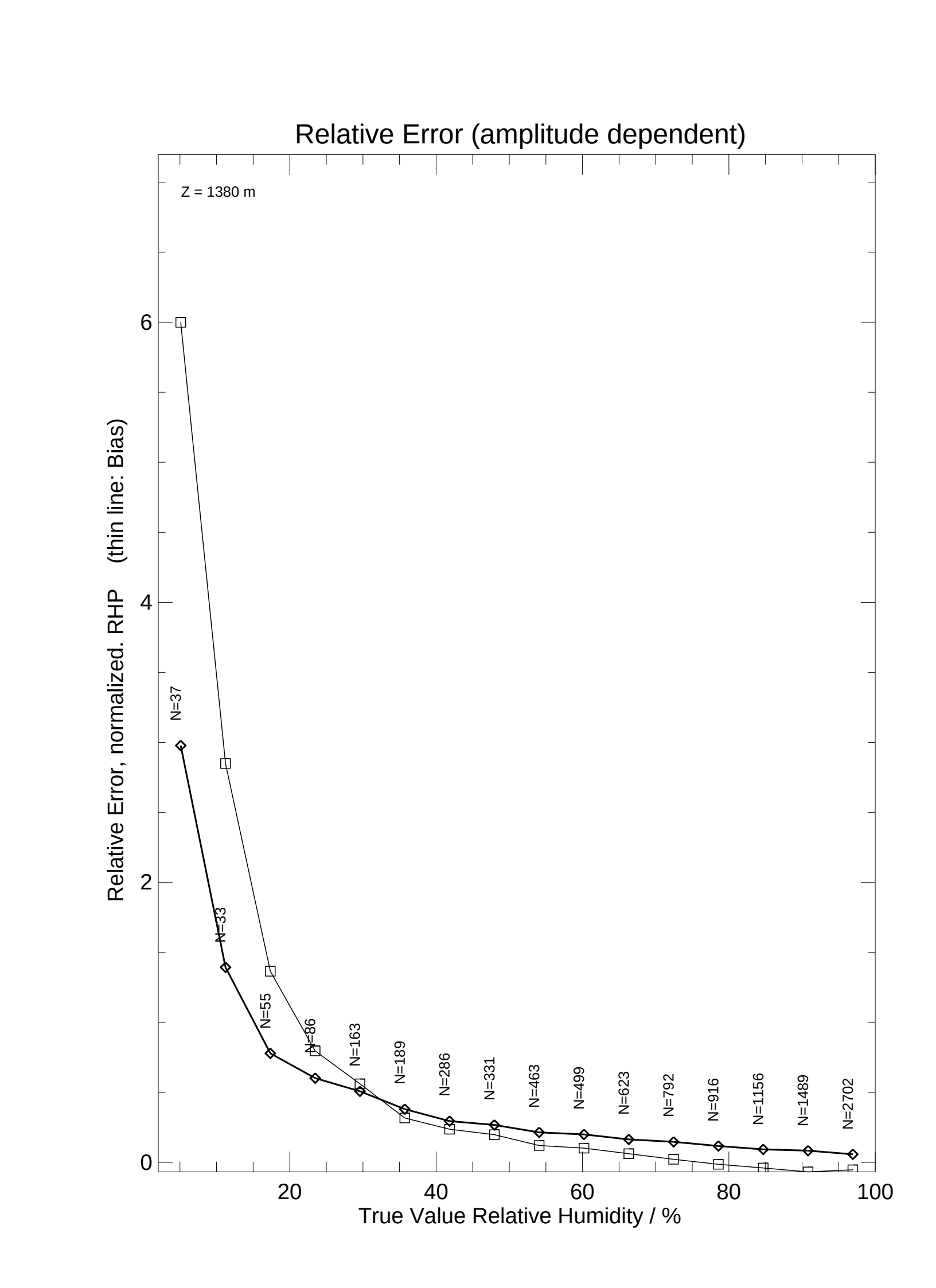

Absolute Error (amplitude dependent)
Z = 1320 m
Mean StD = 11.62 Max StD = 16.62
Mean bias = 11.73 Max bias = 34.08
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
40
20
40
60
80
100
N=28
N=31
N=50
N=79
N=136
N=210
N=260
N=323
N=485
N=498
N=629
N=824
N=922
N=1131
N=1464
N=2750

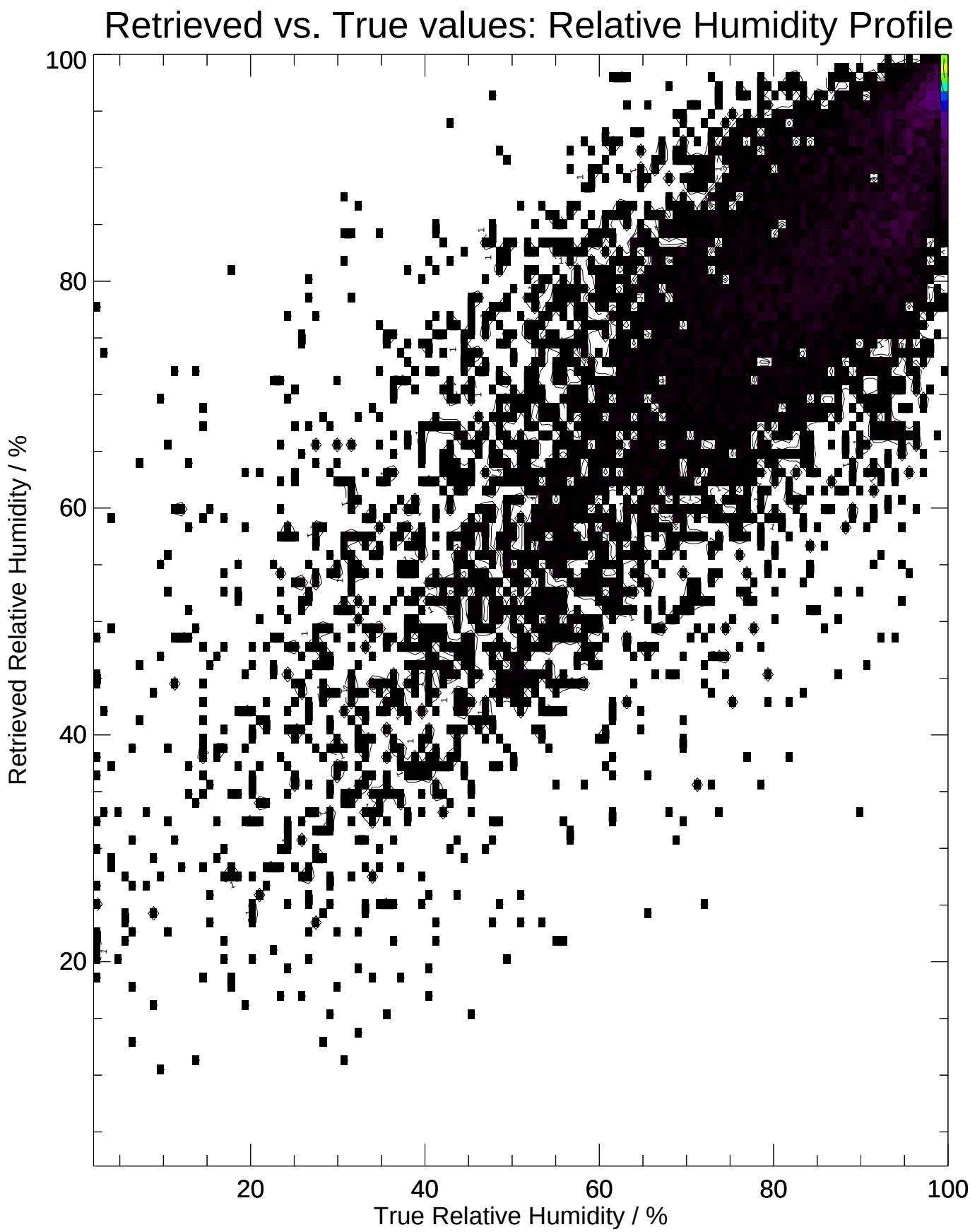

Relative Error (amplitude dependent)
Z = 1320 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
20
40
60
80
100
N=28
N=31
N=50
N=79
N=136
N=210
N=260
N=323
N=485
N=498
N=629
N=824
N=922
N=1131
N=1464
N=2750

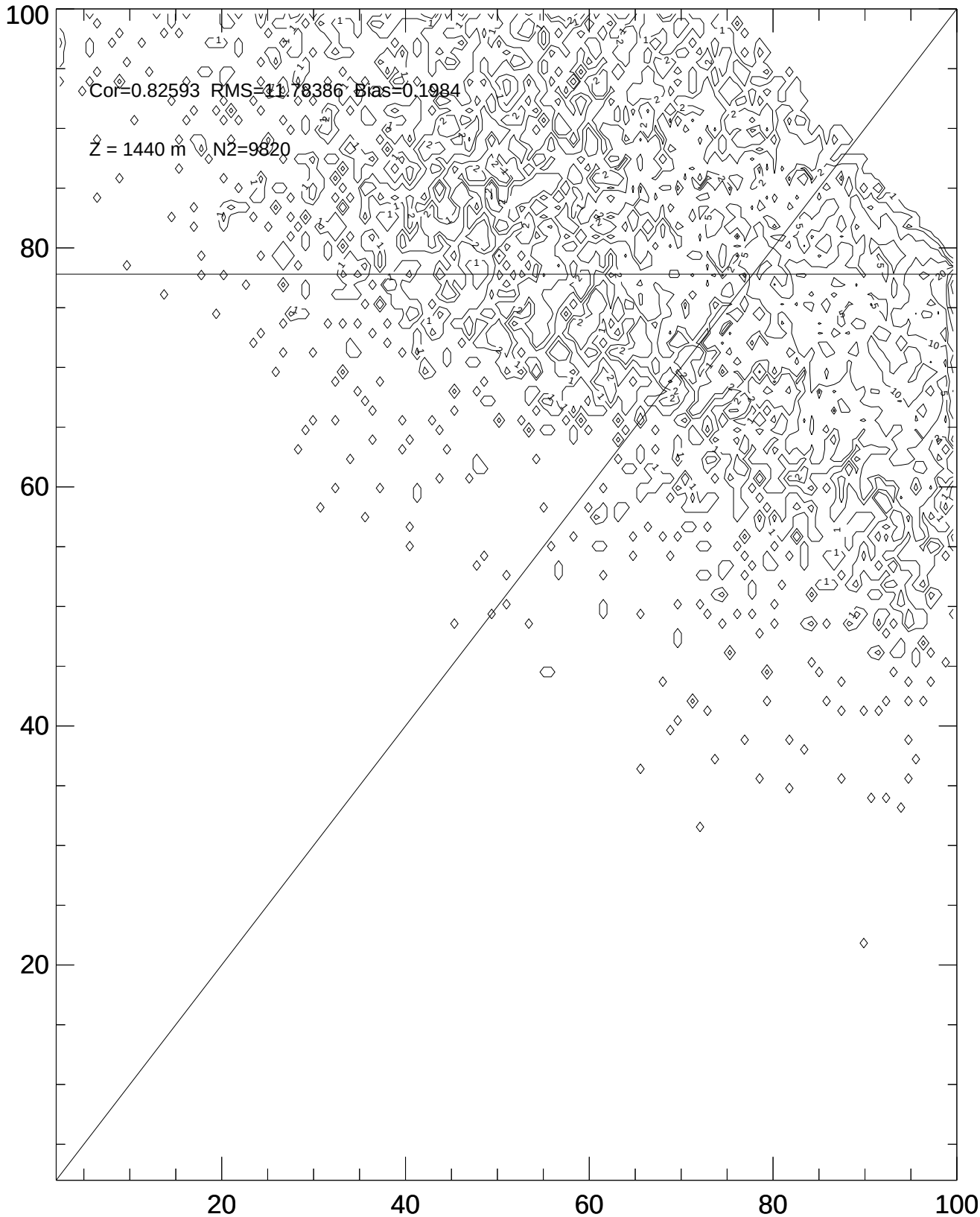

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

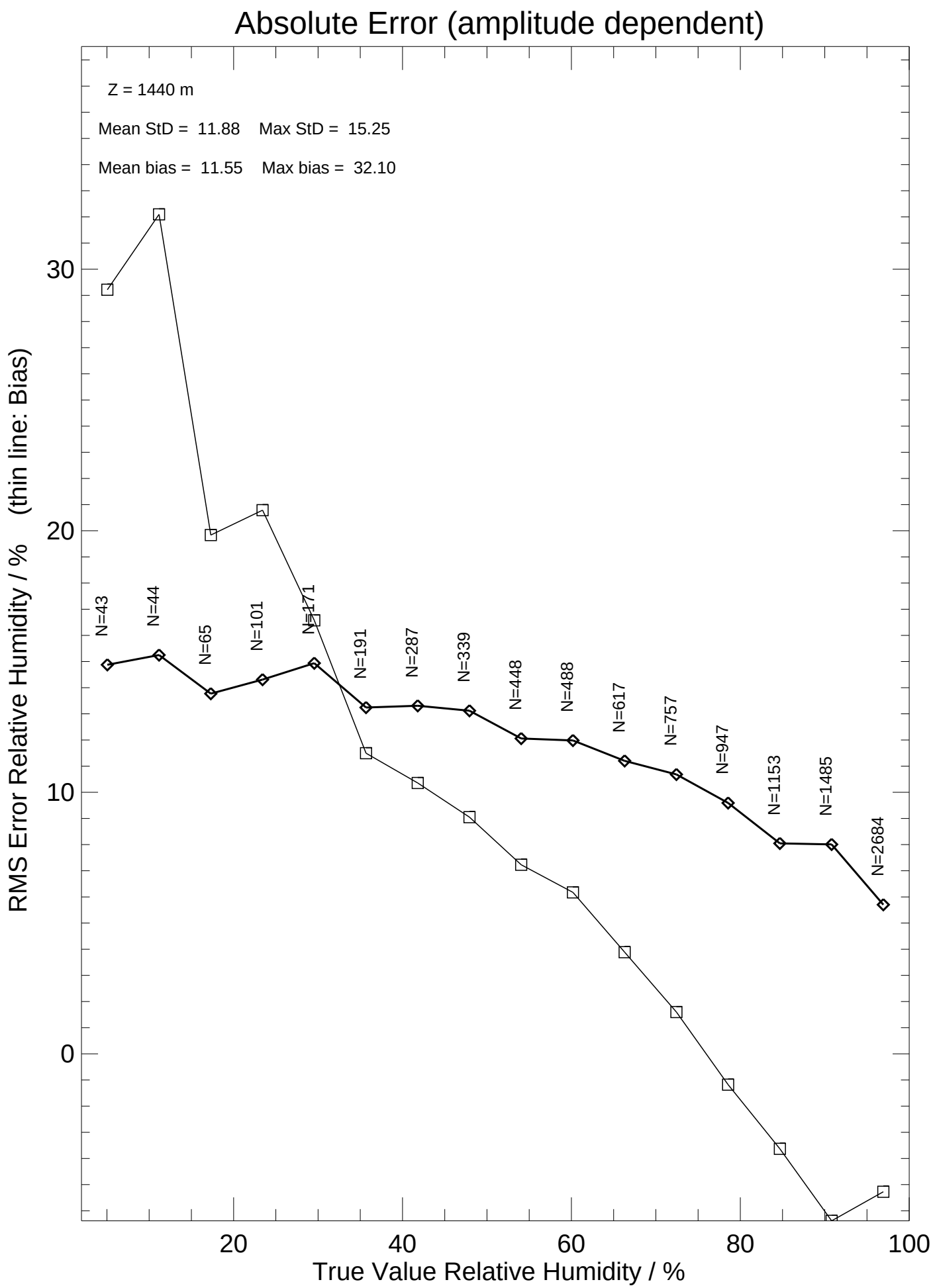

Cor=0.82988 RMS=11.42946 Bias=0.2097
Z = 1380 m N2=9820
100
80
60
40
20
20
40
60
80
100

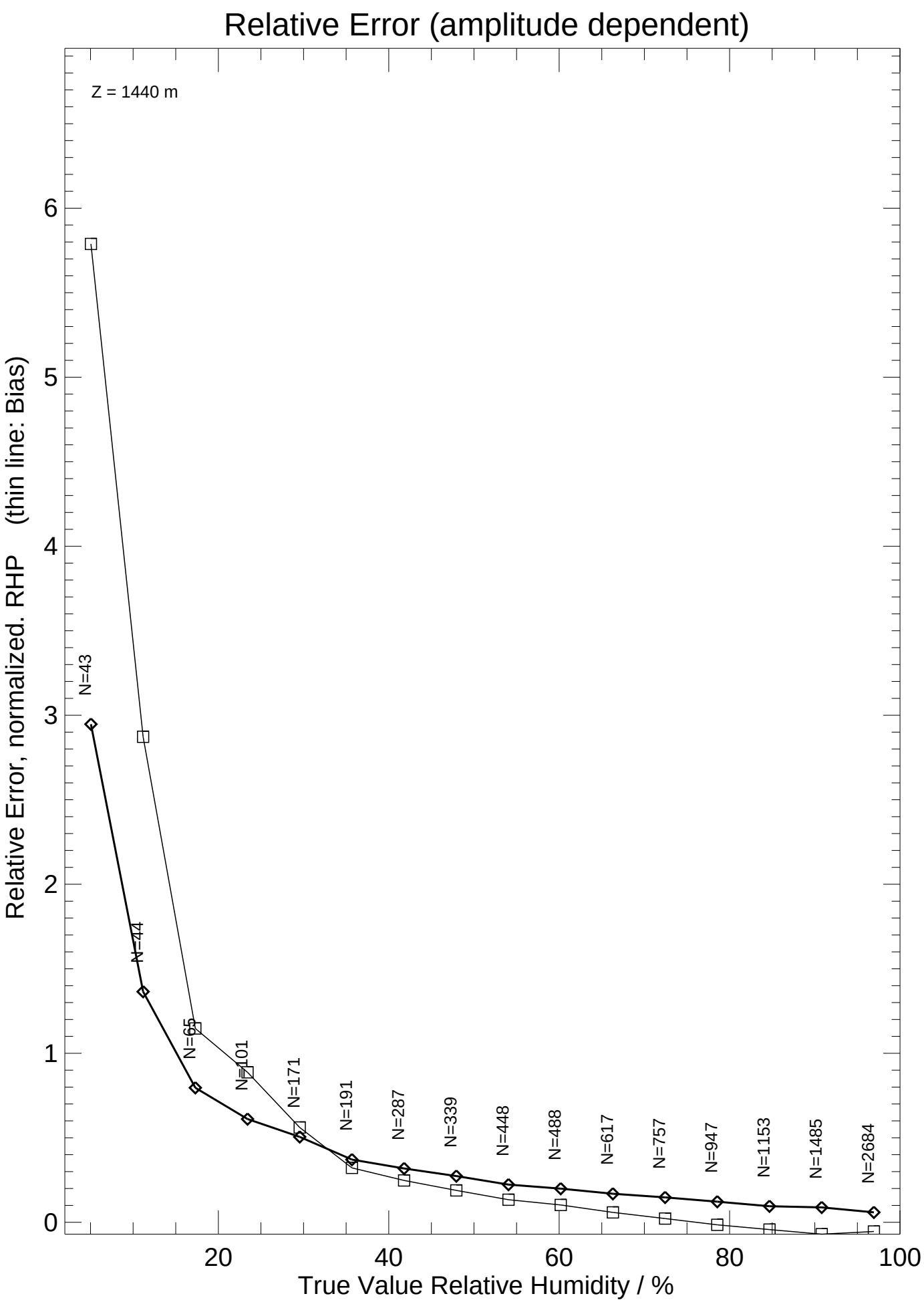

Absolute Error (amplitude dependent)
Z = 1380 m
Mean StD = 11.74 Max StD = 15.64
Mean bias = 11.65 Max bias = 31.98
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
30
20
40
60
80
100
N=37
N=33
N=55
N=86
N=163
N=189
N=286
N=331
N=463
N=499
N=623
N=792
N=916
N=1156
N=1489
N=2702

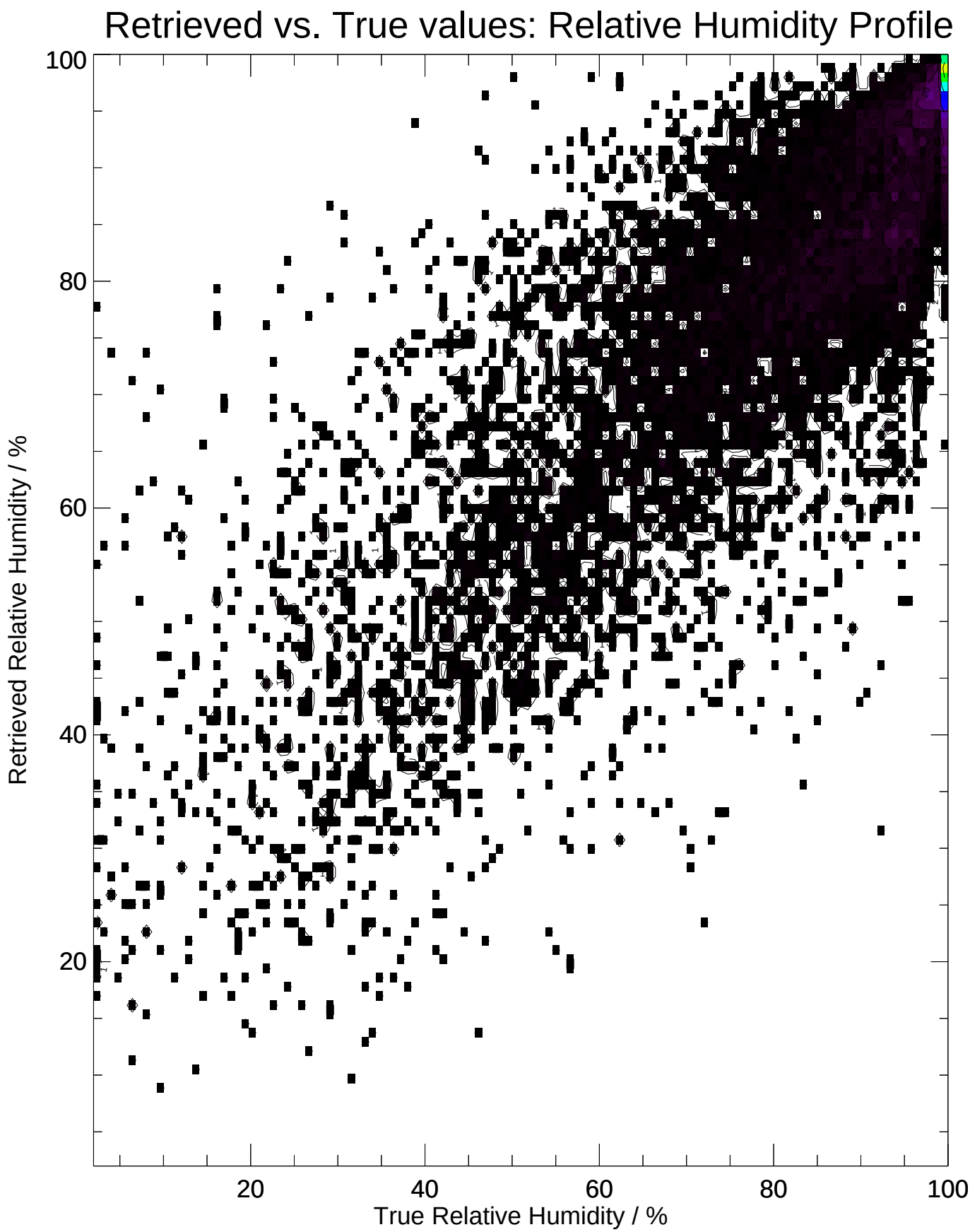

Relative Error (amplitude dependent)
Z = 1380 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
20
40
60
80
100
N=37
N=33
N=55
N=86
N=163
N=189
N=286
N=331
N=463
N=499
N=623
N=792
N=916
N=1156
N=1489
N=2702

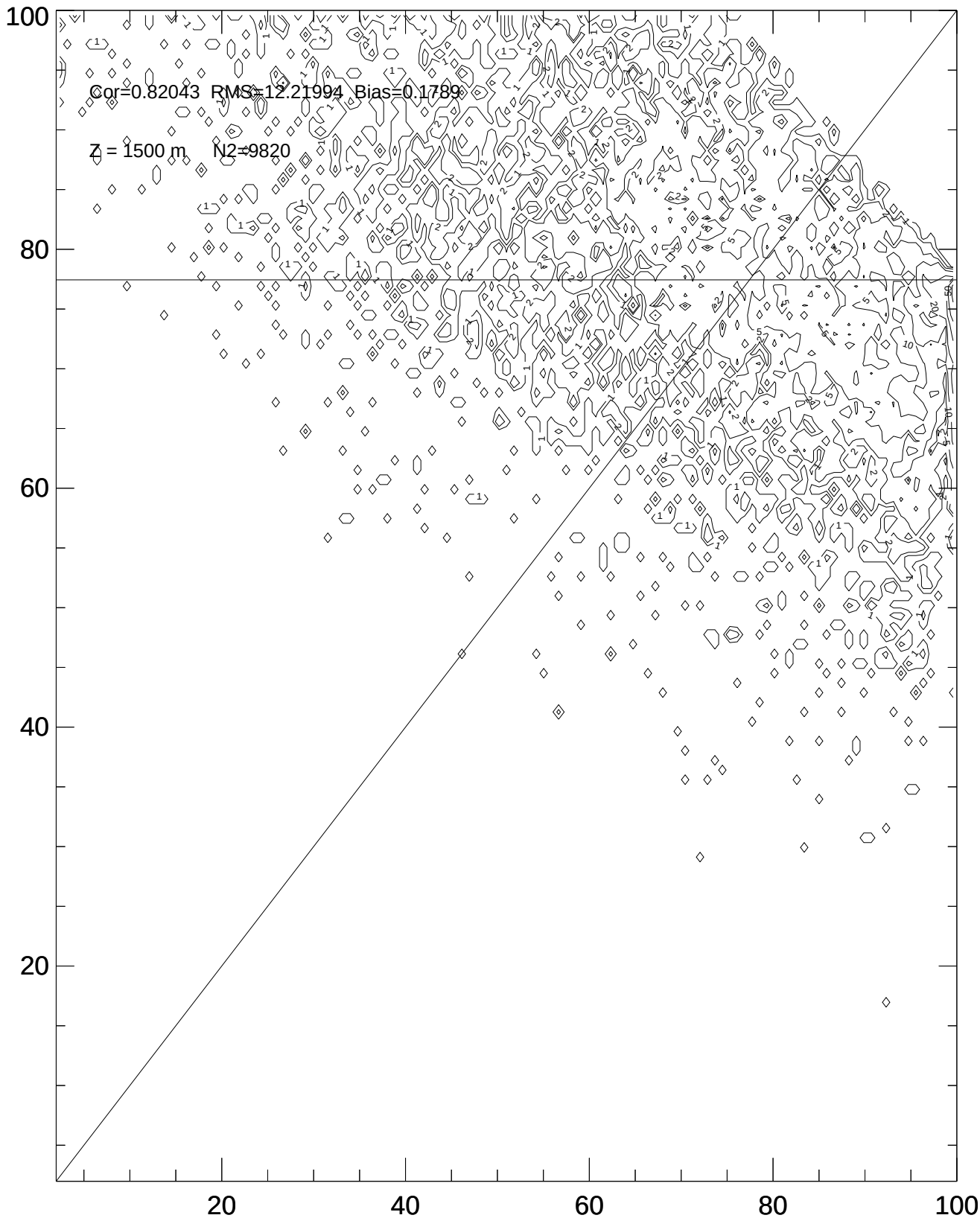

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

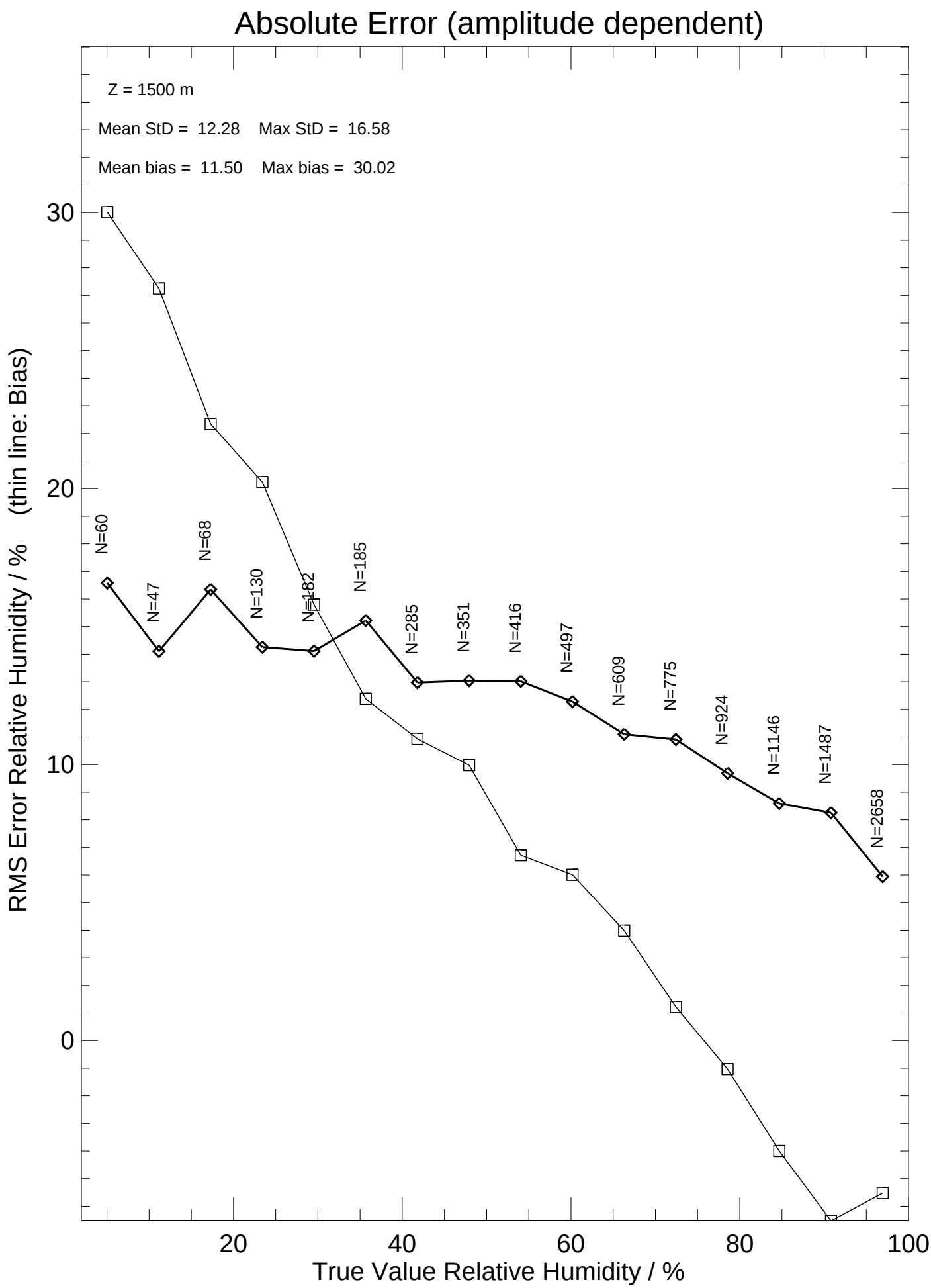

Cor=0.82593 RMS=11.78386 Bias=0.1984
Z = 1440 m N2=9820
100
80
60
40
20
20
40
60
80
100

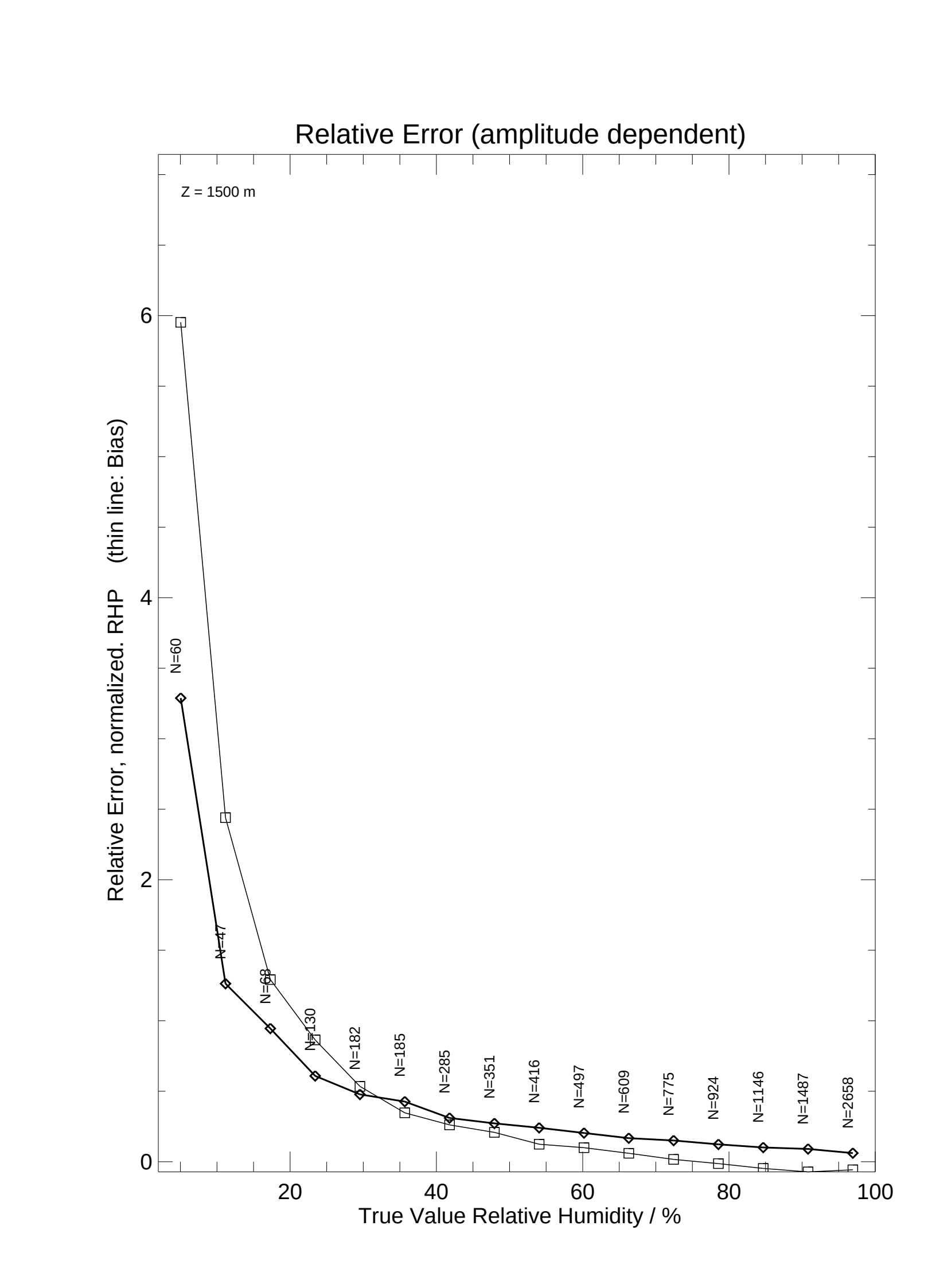

Absolute Error (amplitude dependent)
Z = 1440 m
Mean StD = 11.88 Max StD = 15.25
Mean bias = 11.55 Max bias = 32.10
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=43
N=44
N=65
N=101
N=171
N=191
N=287
N=339
N=448
N=488
N=617
N=757
N=947
N=1153
N=1485
N=2684

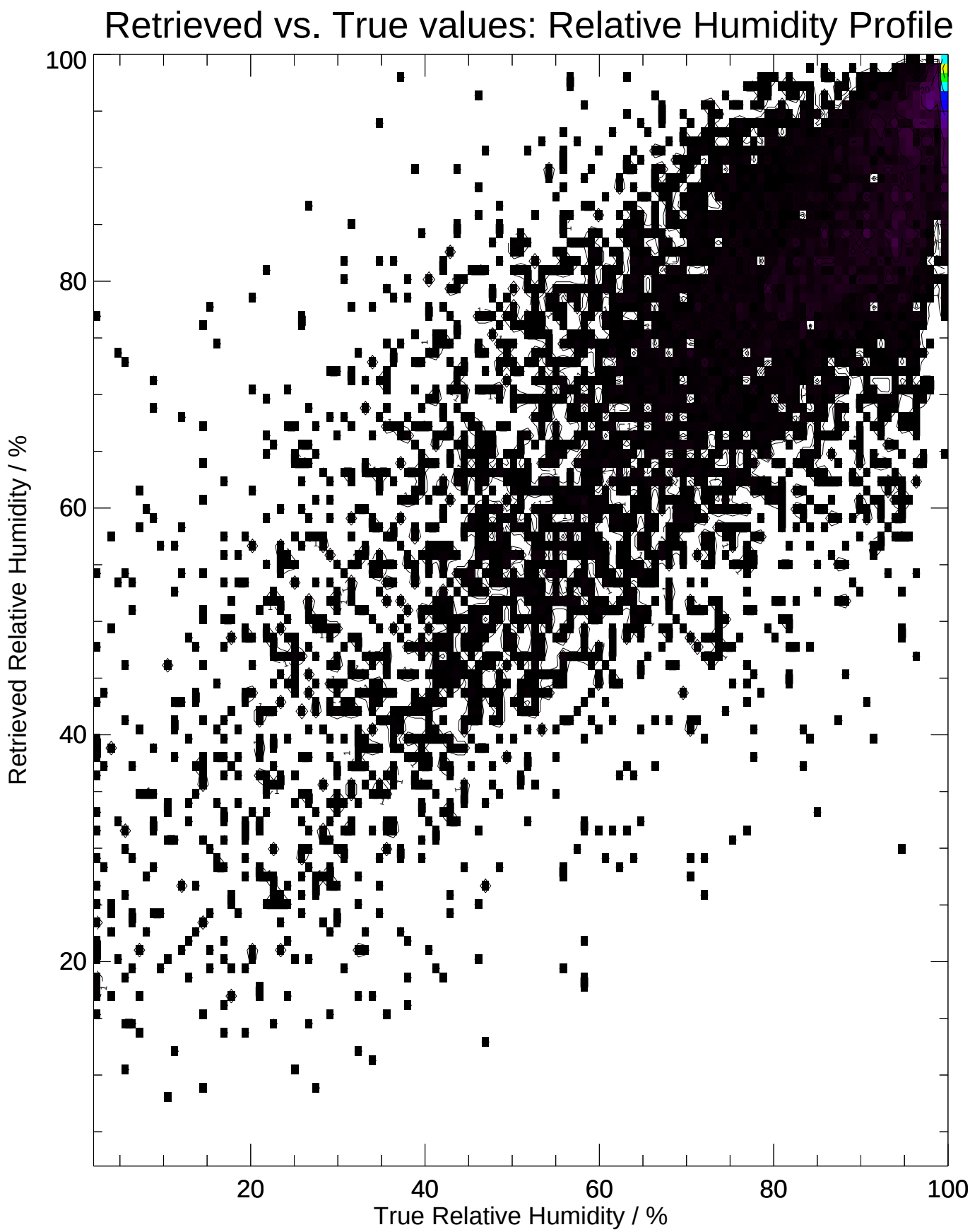

Relative Error (amplitude dependent)
Z = 1440 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=43
N=44
N=65
N=101
N=171
N=191
N=287
N=339
N=448
N=488
N=617
N=757
N=947
N=1153
N=1485
N=2684

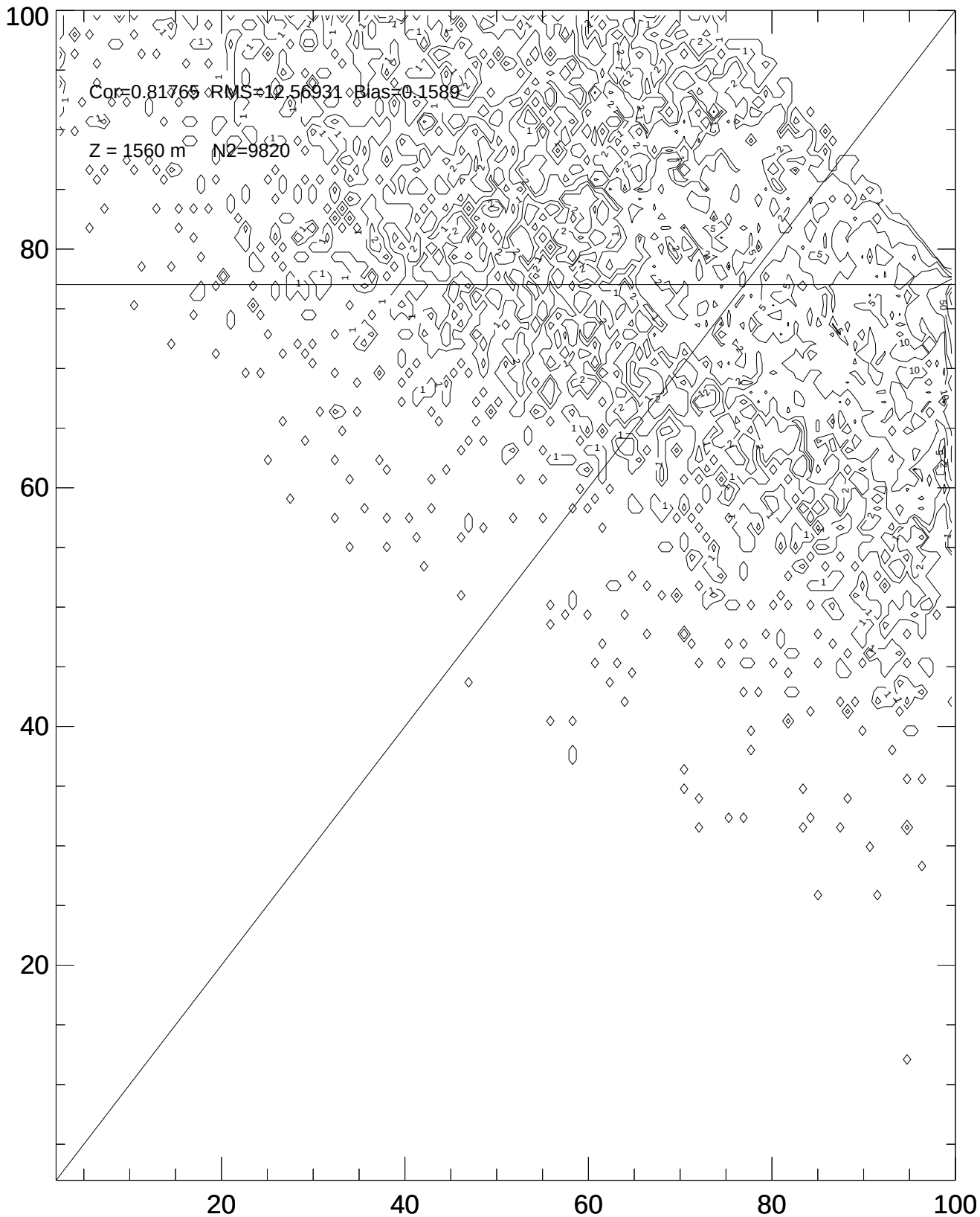

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

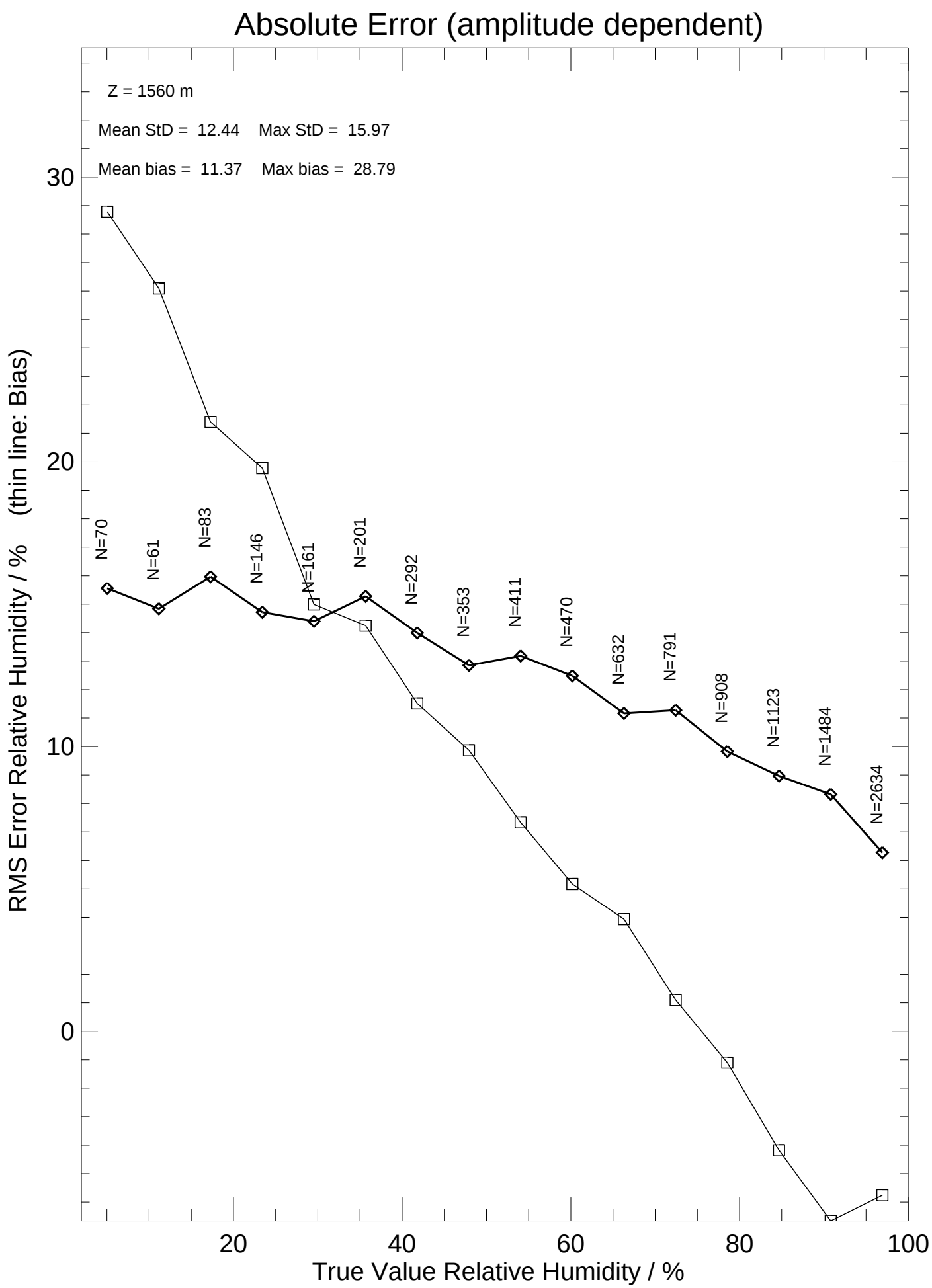

Cor=0.82043 RMS=12.21994 Bias=0.1789
Z = 1500 m N2=9820
100
80
60
40
20
20
40
60
80
100

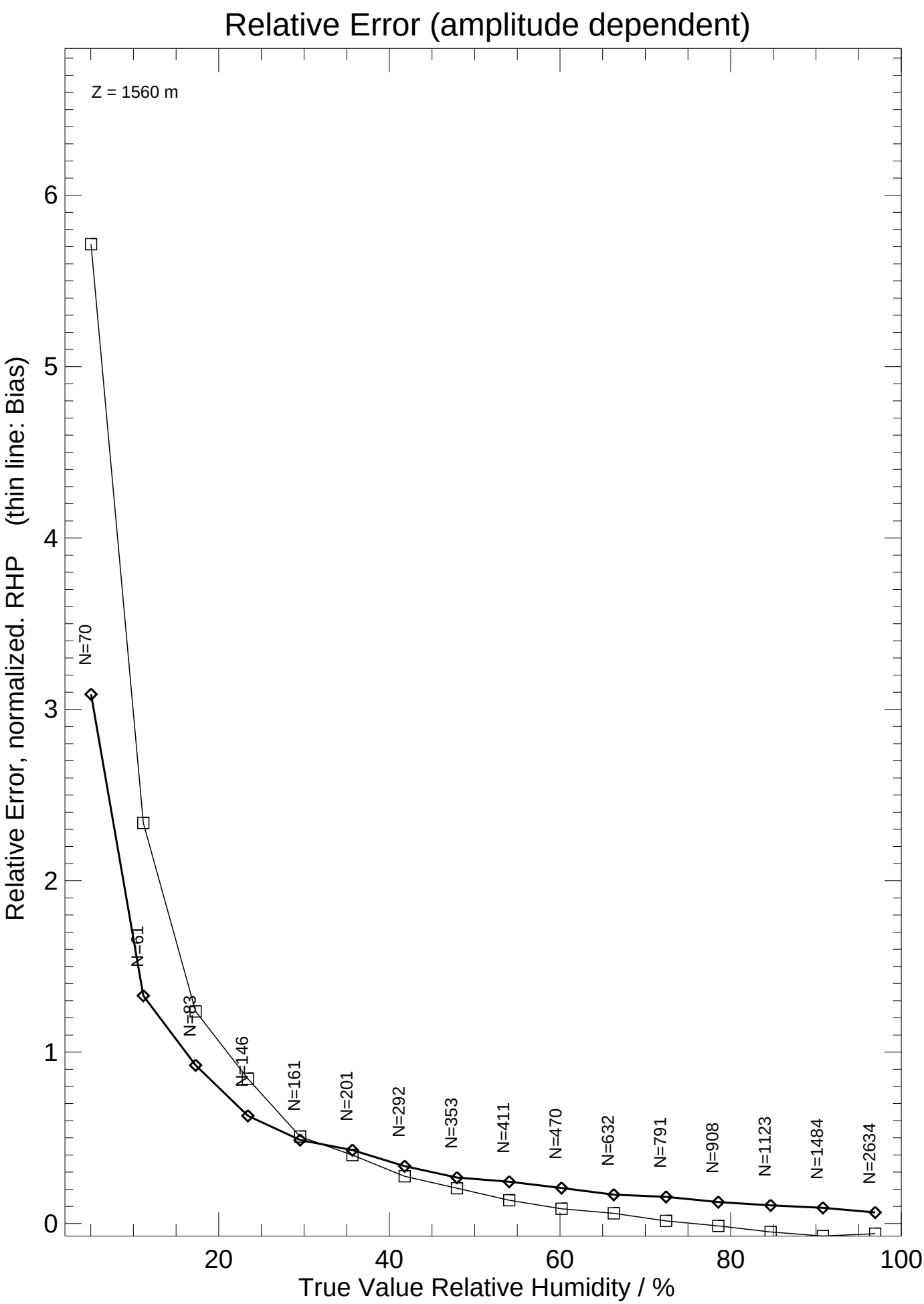

Absolute Error (amplitude dependent)
Z = 1500 m
Mean StD = 12.28 Max StD = 16.58
Mean bias = 11.50 Max bias = 30.02
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=60
N=47
N=68
N=130
N=182
N=185
N=285
N=351
N=416
N=497
N=609
N=775
N=924
N=1146
N=1487
N=2658

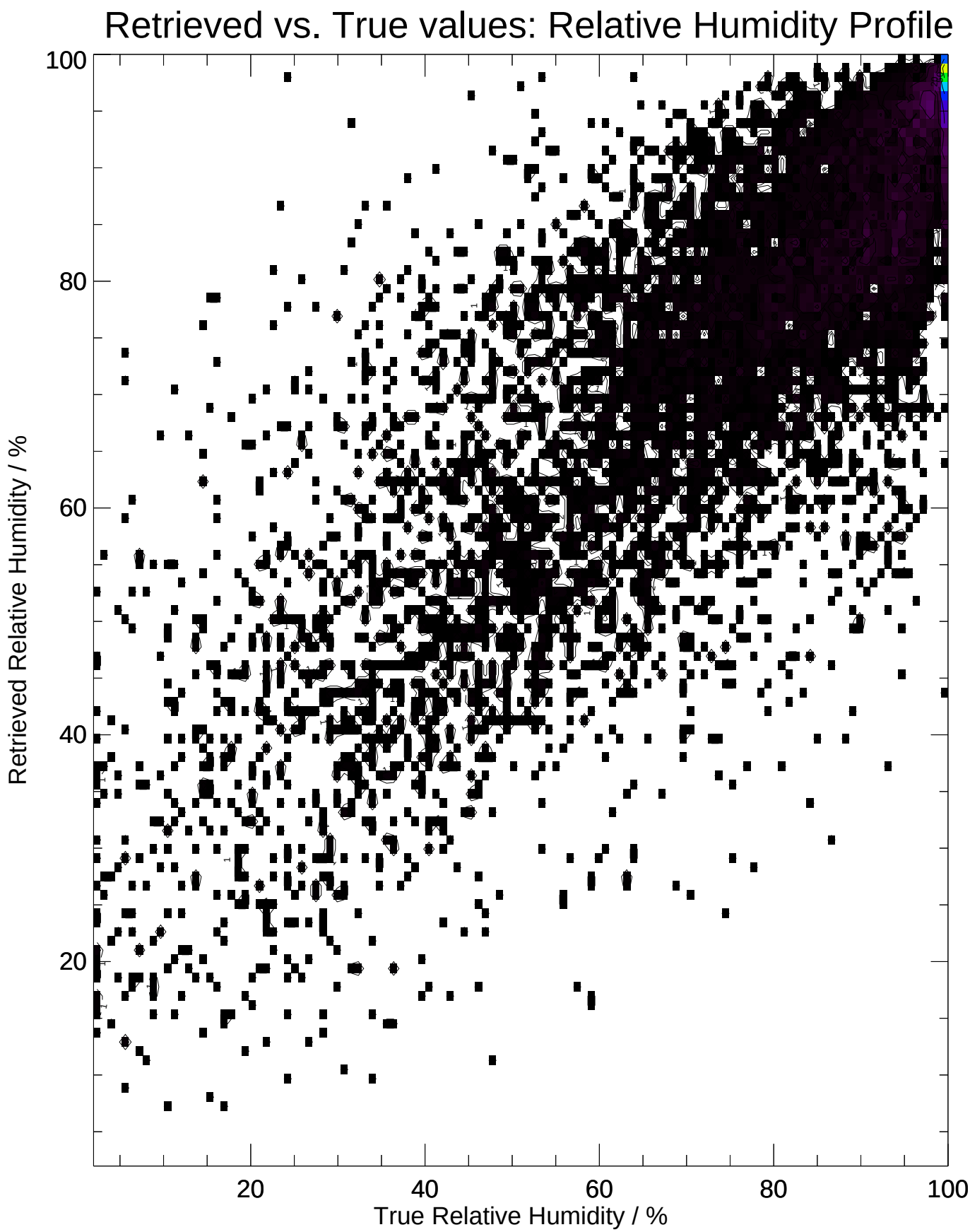

Relative Error (amplitude dependent)
Z = 1500 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
2
4
6
20
40
60
80
100
N=60
N=47
N=68
N=130
N=182
N=185
N=285
N=351
N=416
N=497
N=609
N=775
N=924
N=1146
N=1487
N=2658

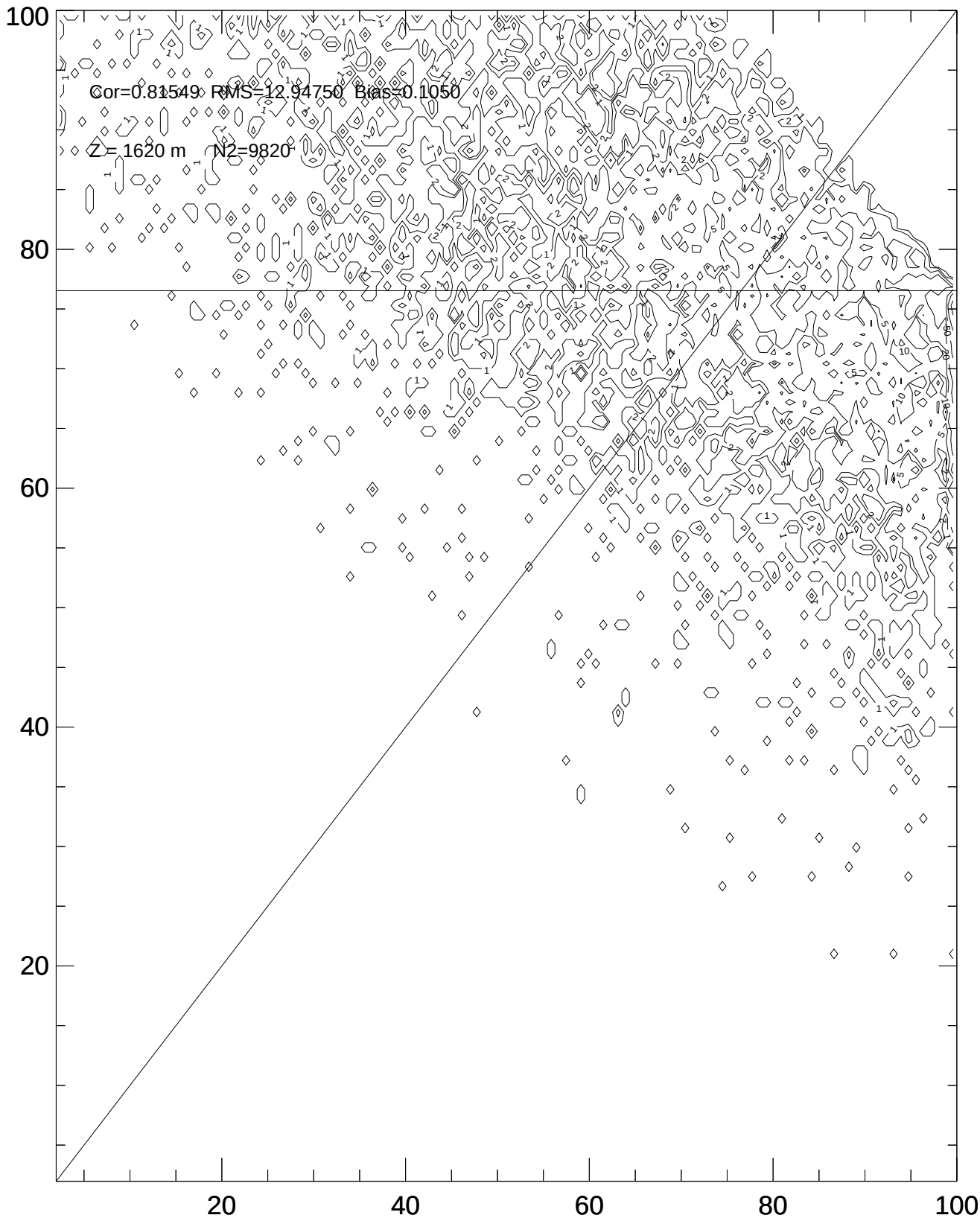

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

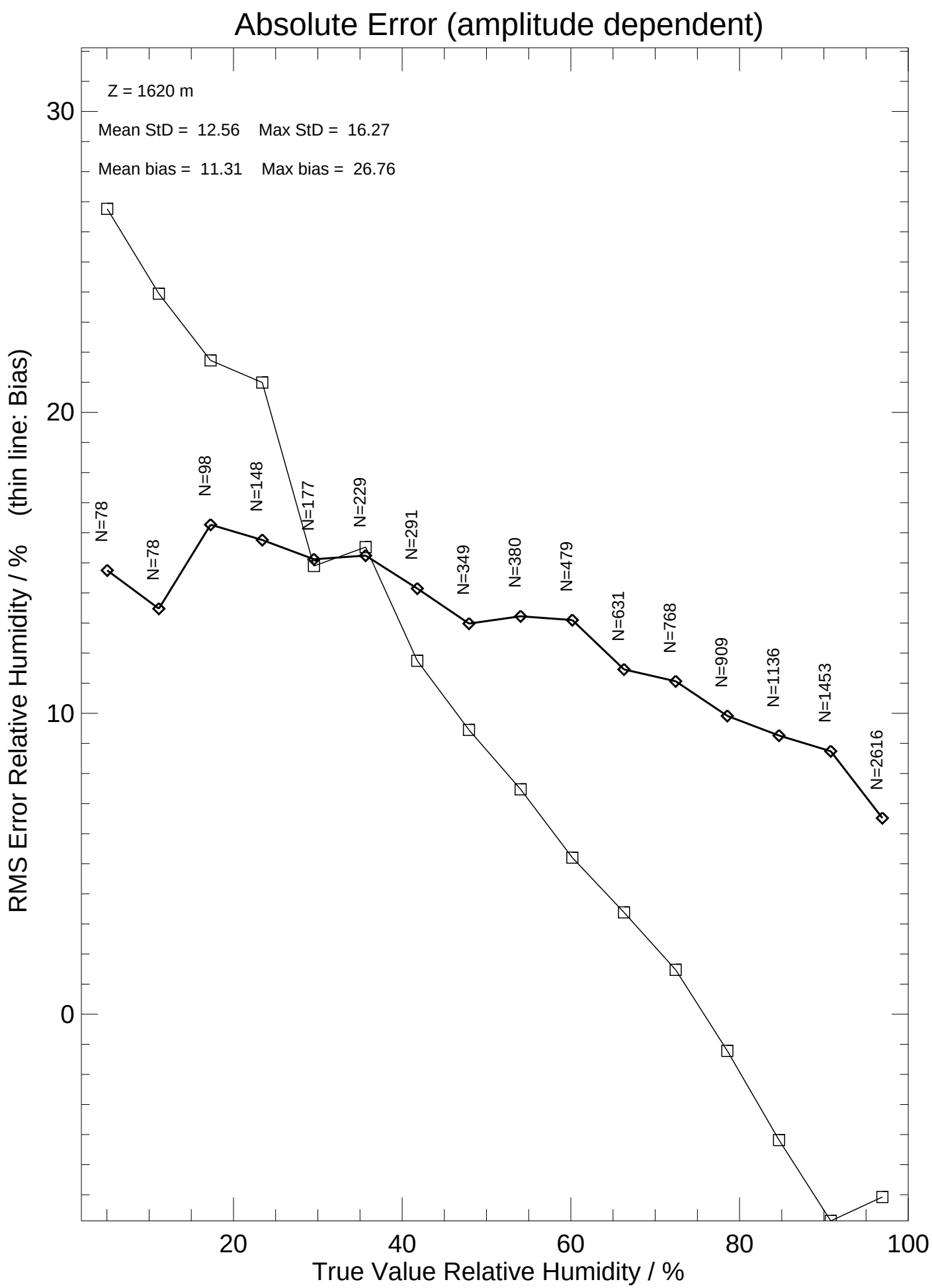

Cor=0.81765 RMS=12.56931 Bias=0.1589
Z = 1560 m N2=9820
100
80
60
40
20
20
40
60
80
100

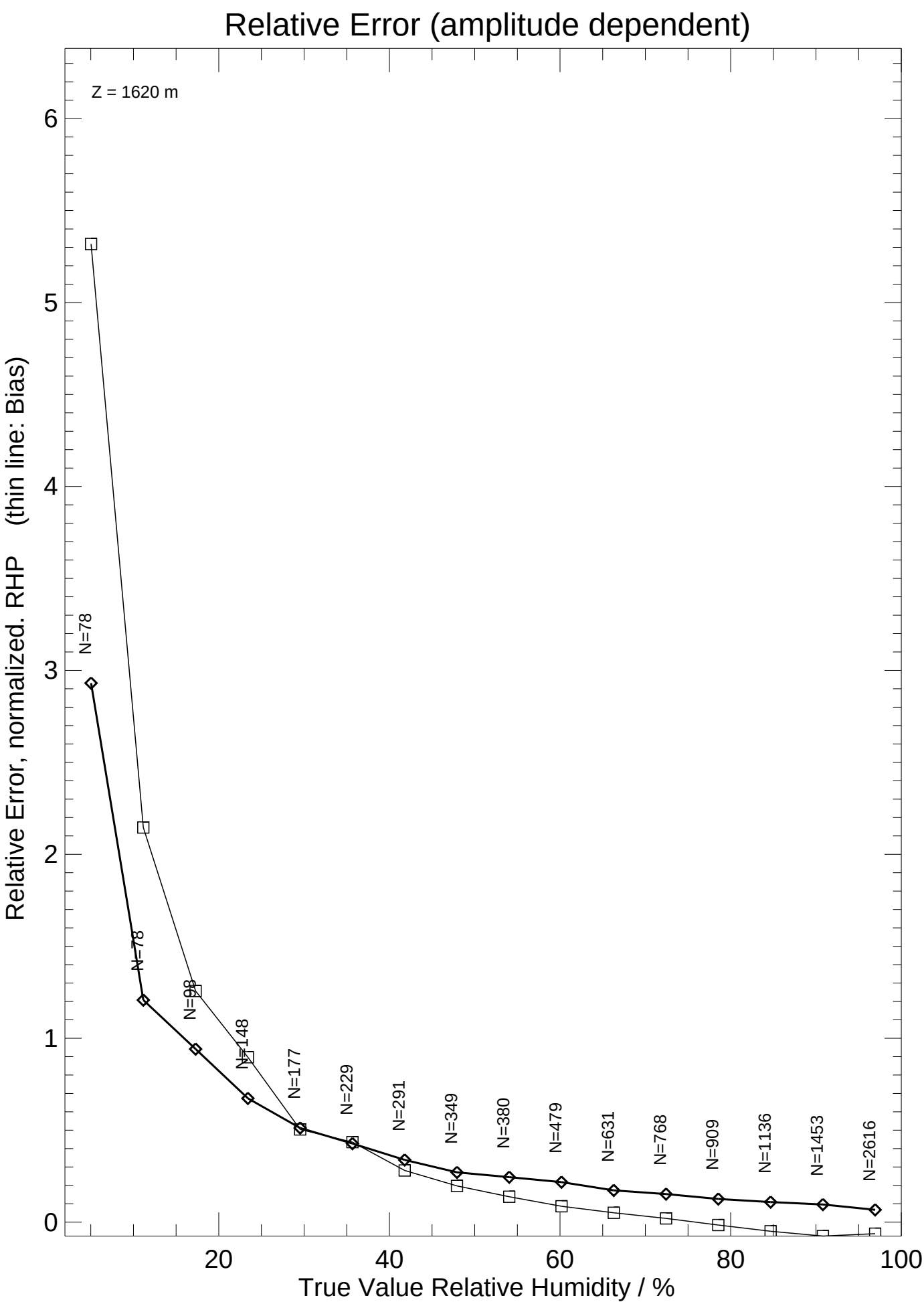

Absolute Error (amplitude dependent)
Z = 1560 m
Mean StD = 12.44 Max StD = 15.97
Mean bias = 11.37 Max bias = 28.79
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=70
N=61
N=83
N=146
N=161
N=201
N=292
N=353
N=411
N=470
N=632
N=791
N=908
N=1123
N=1484
N=2634

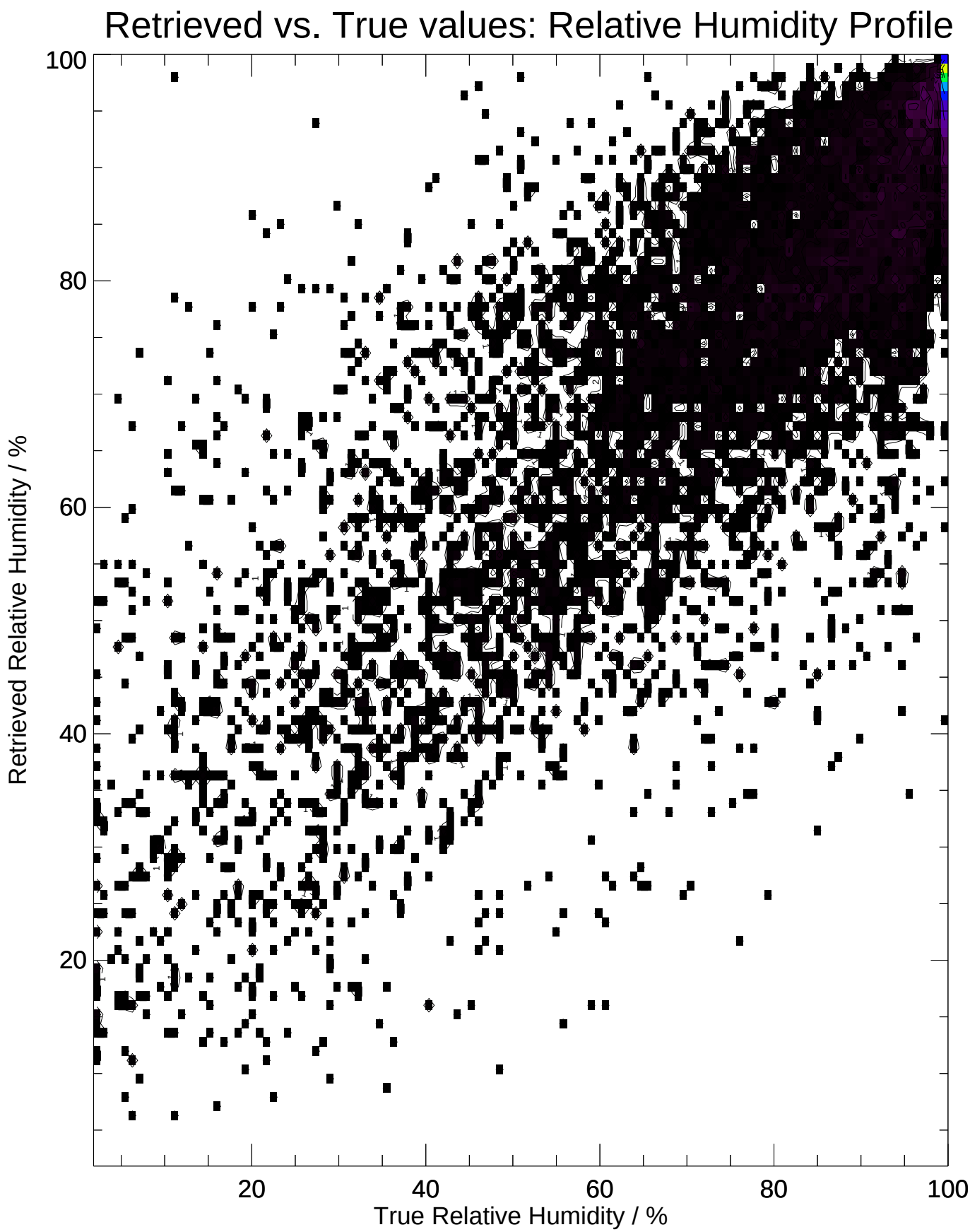

Relative Error (amplitude dependent)
Z = 1560 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=70
N=61
N=83
N=146
N=161
N=201
N=292
N=353
N=411
N=470
N=632
N=791
N=908
N=1123
N=1484
N=2634

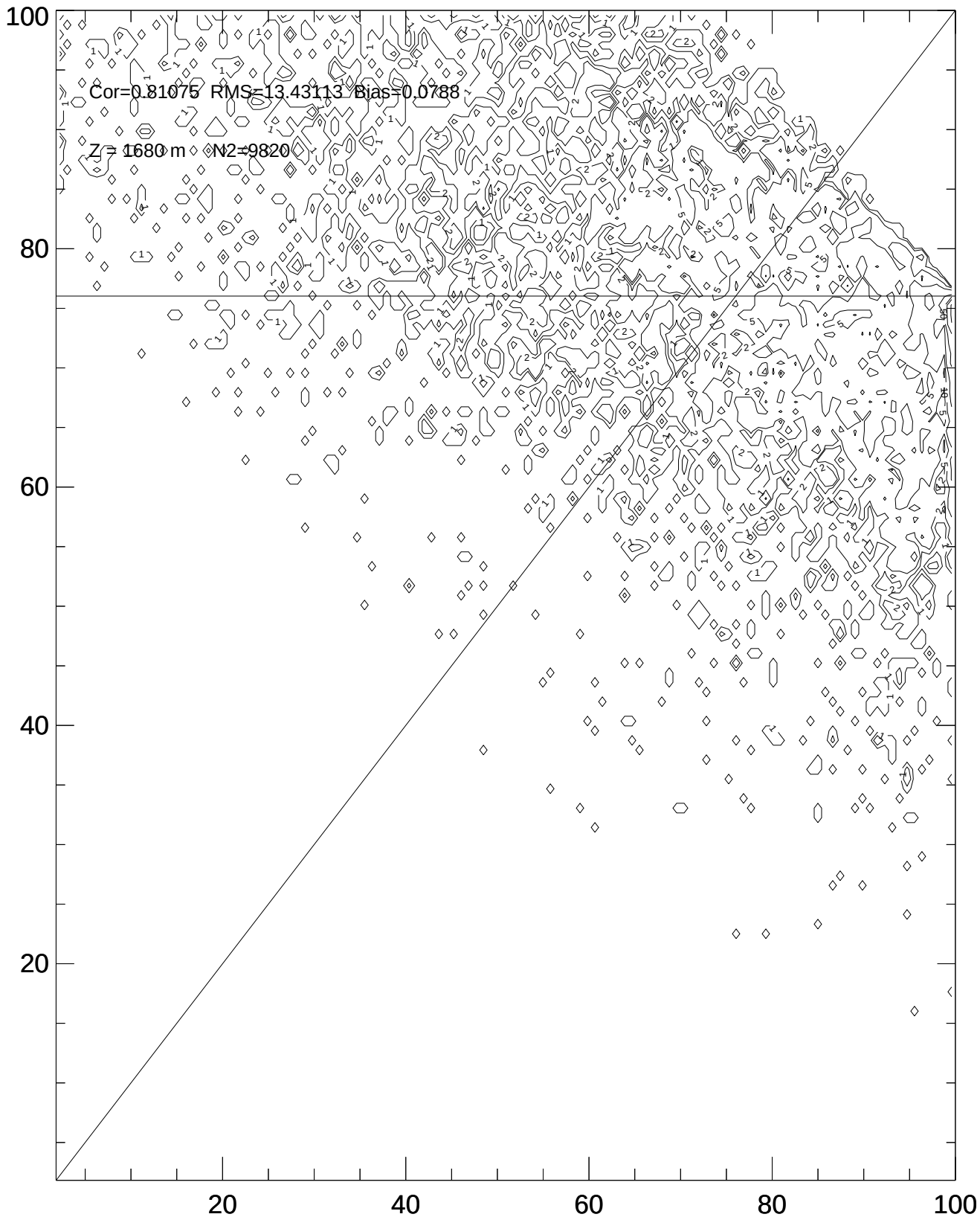

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

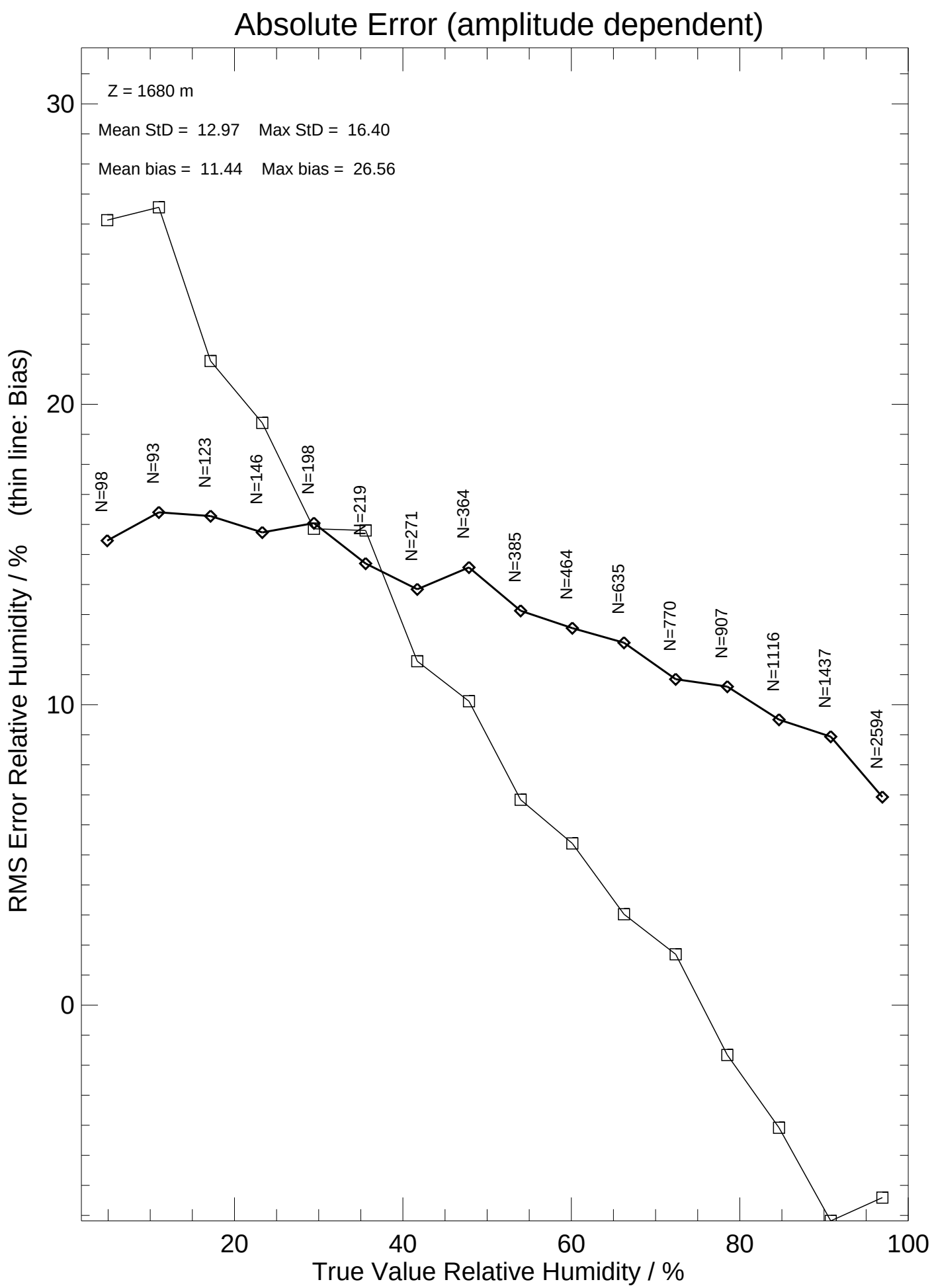

Cor=0.81549 RMS=12.94750 Bias=0.1050
Z = 1620 m N2=9820
100
80
60
40
20
20
40
60
80
100

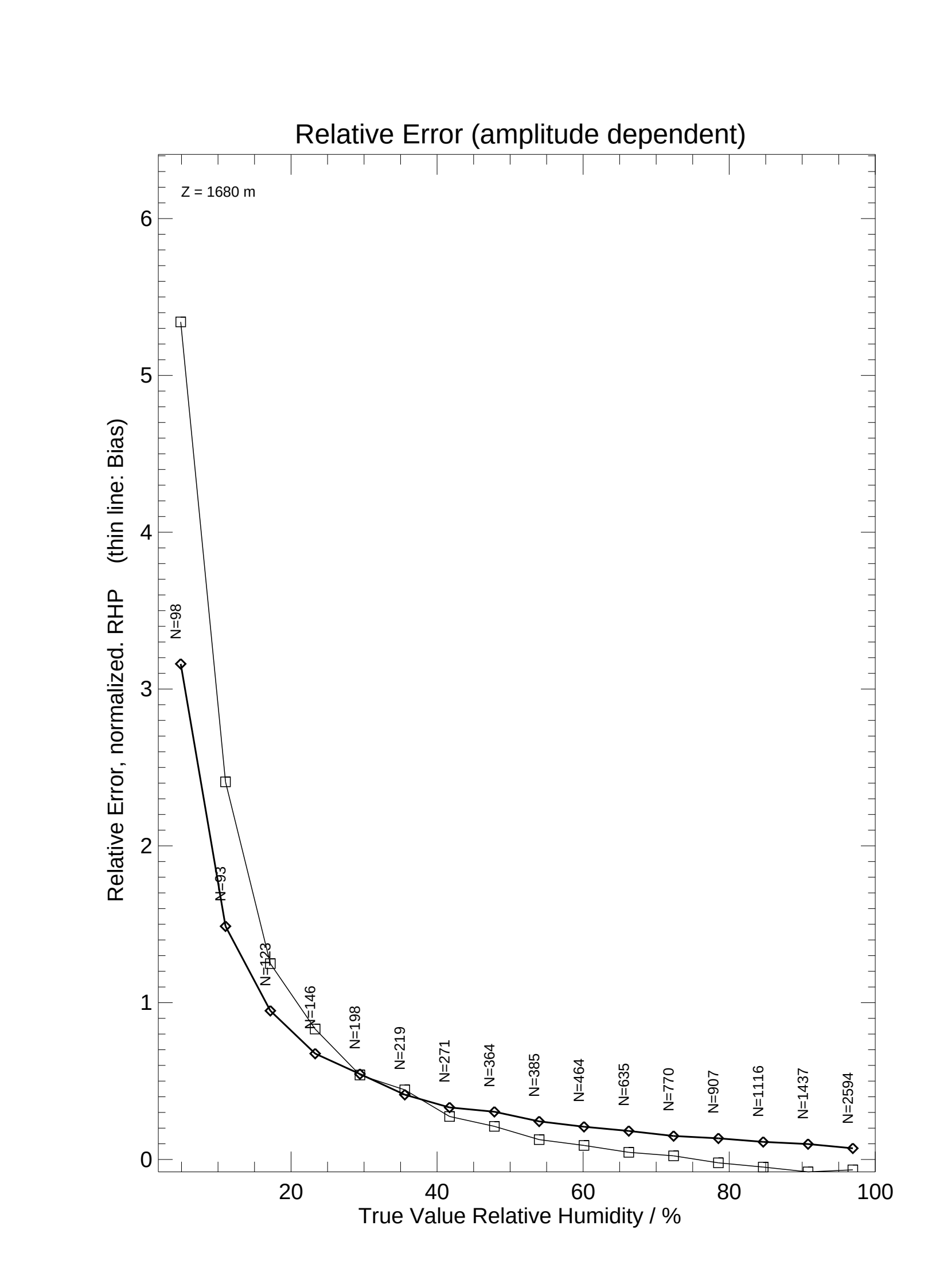

Absolute Error (amplitude dependent)
Z = 1620 m
Mean StD = 12.56 Max StD = 16.27
Mean bias = 11.31 Max bias = 26.76
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=78
N=78
N=98
N=148
N=177
N=229
N=291
N=349
N=380
N=479
N=631
N=768
N=909
N=1136
N=1453
N=2616

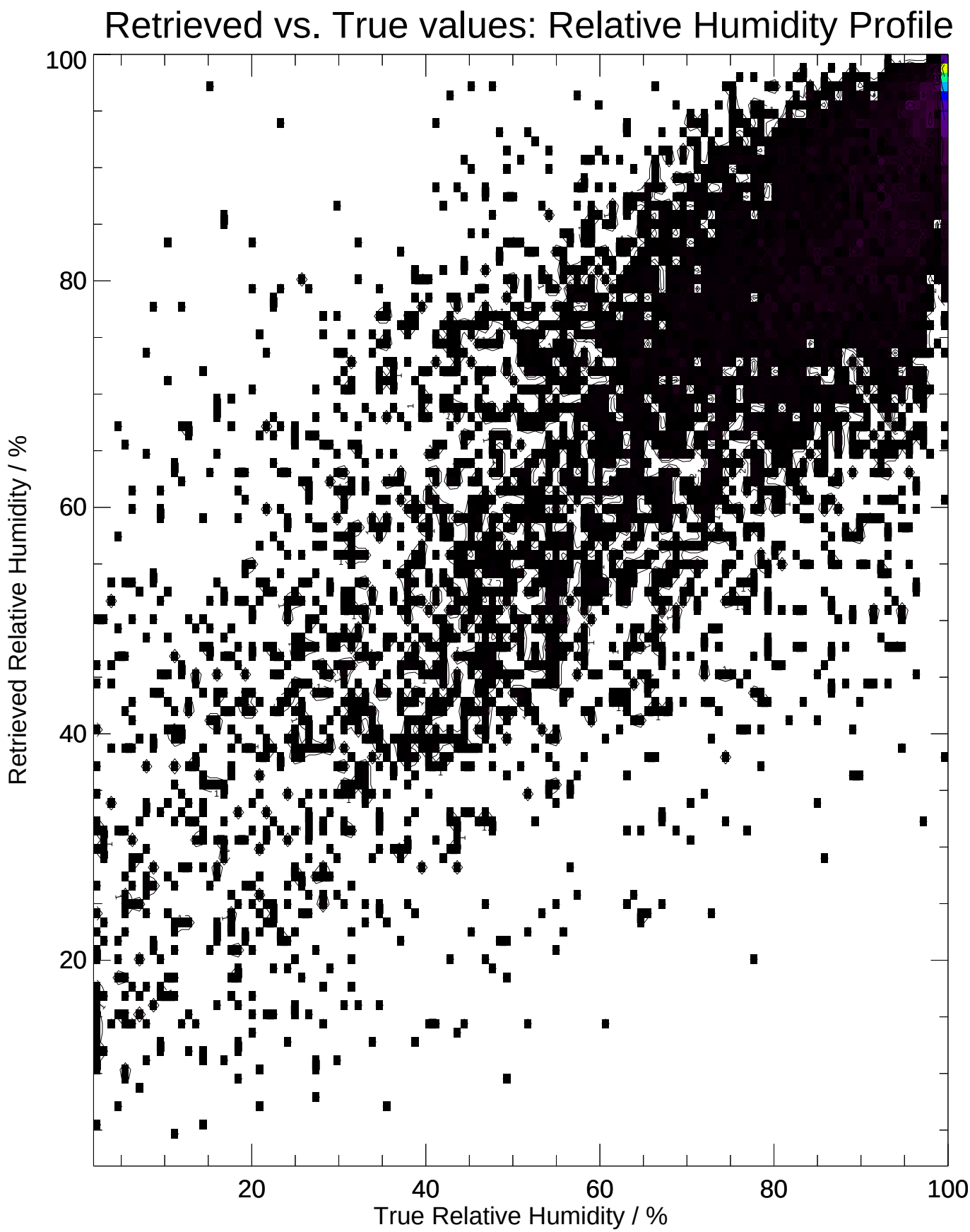

Relative Error (amplitude dependent)
Z = 1620 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=78
N=78
N=148
N=177
N=229
N=291
N=349
N=380
N=479
N=631
N=768
N=909
N=1136
N=1453
N=2616

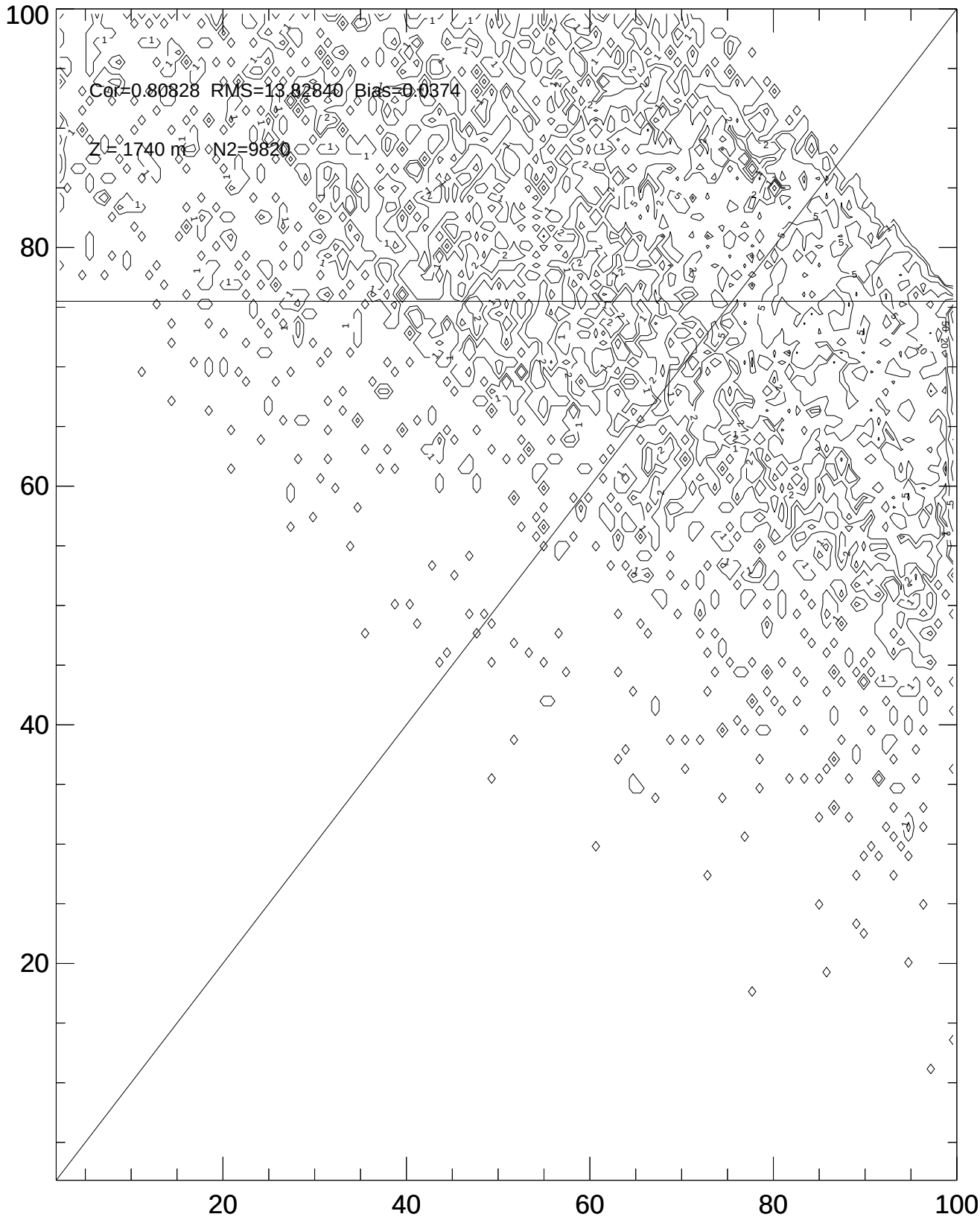

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

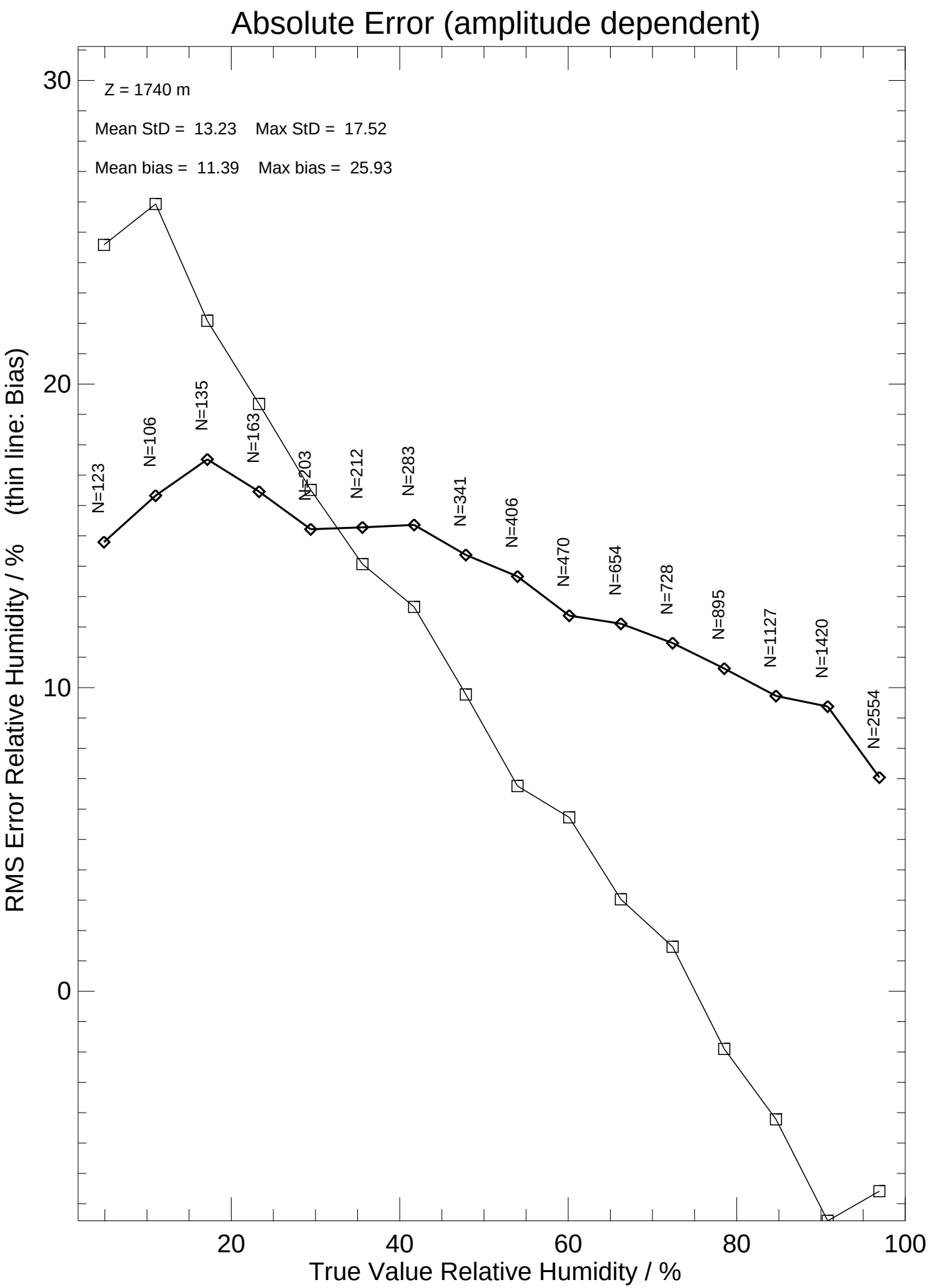

Cor=0.81075 RMS=13.43113 Bias=0.0788
Z = 1680 m ◇ N2=9820
100
80
60
40
20
20
40
60
80
100

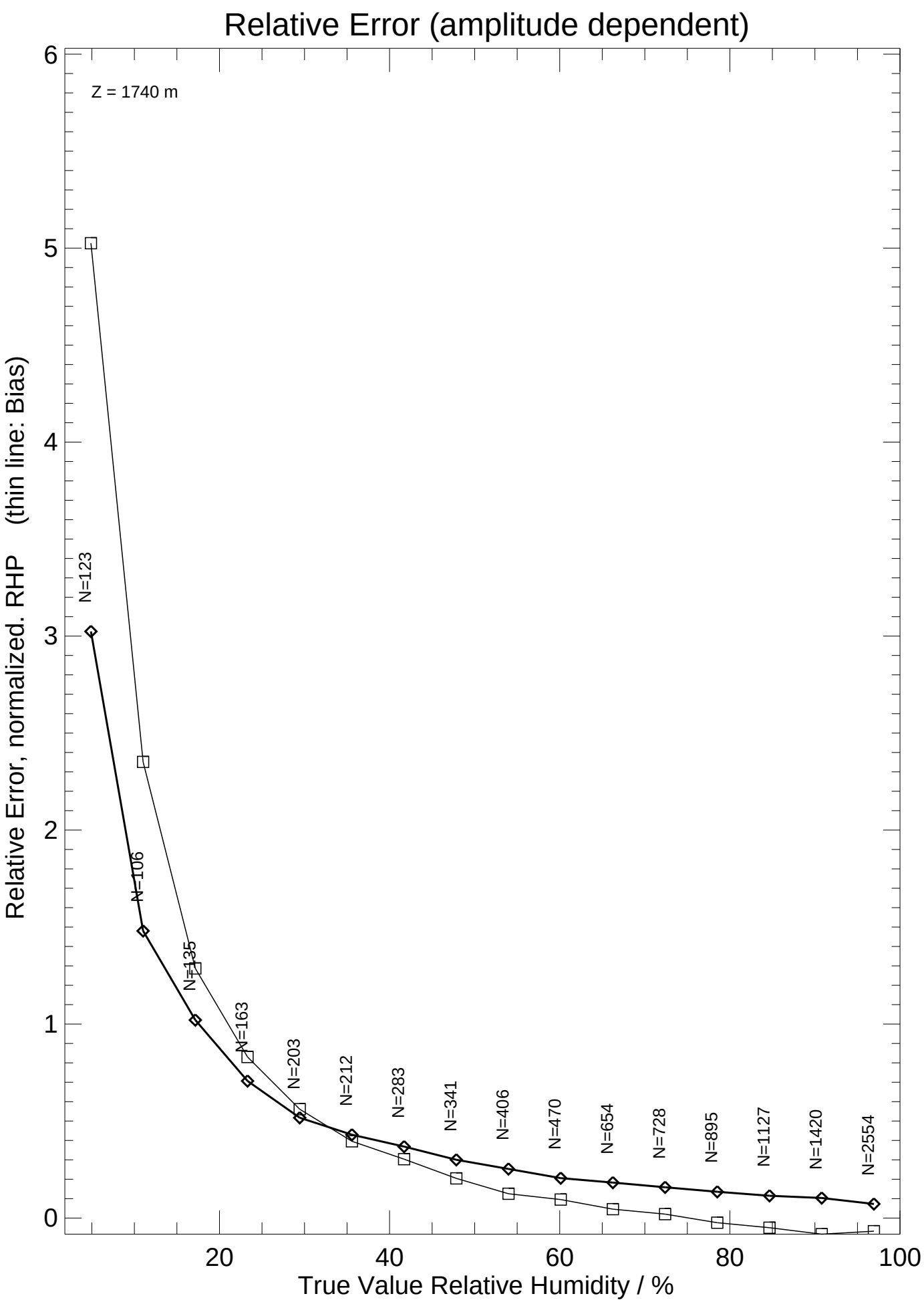

Absolute Error (amplitude dependent)
Z = 1680 m
Mean StD = 12.97 Max StD = 16.40
Mean bias = 11.44 Max bias = 26.56
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=98
N=93
N=123
N=146
N=198
N=219
N=271
N=364
N=385
N=464
N=635
N=770
N=907
N=1116
N=1437
N=2594

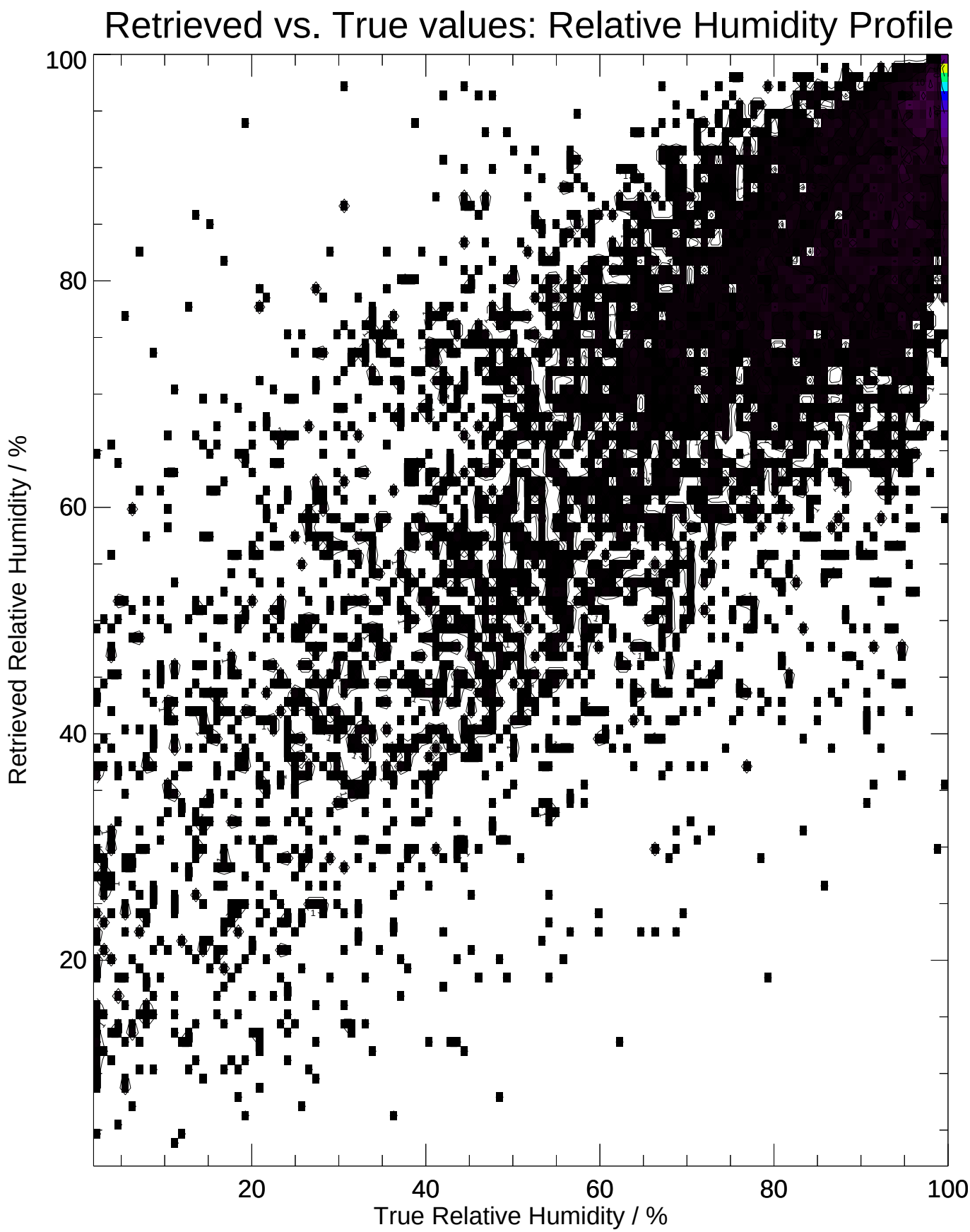

Relative Error (amplitude dependent)
Z = 1680 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=98
N=93
N=123
N=146
N=198
N=219
N=271
N=364
N=385
N=464
N=635
N=770
N=907
N=1116
N=1437
N=2594

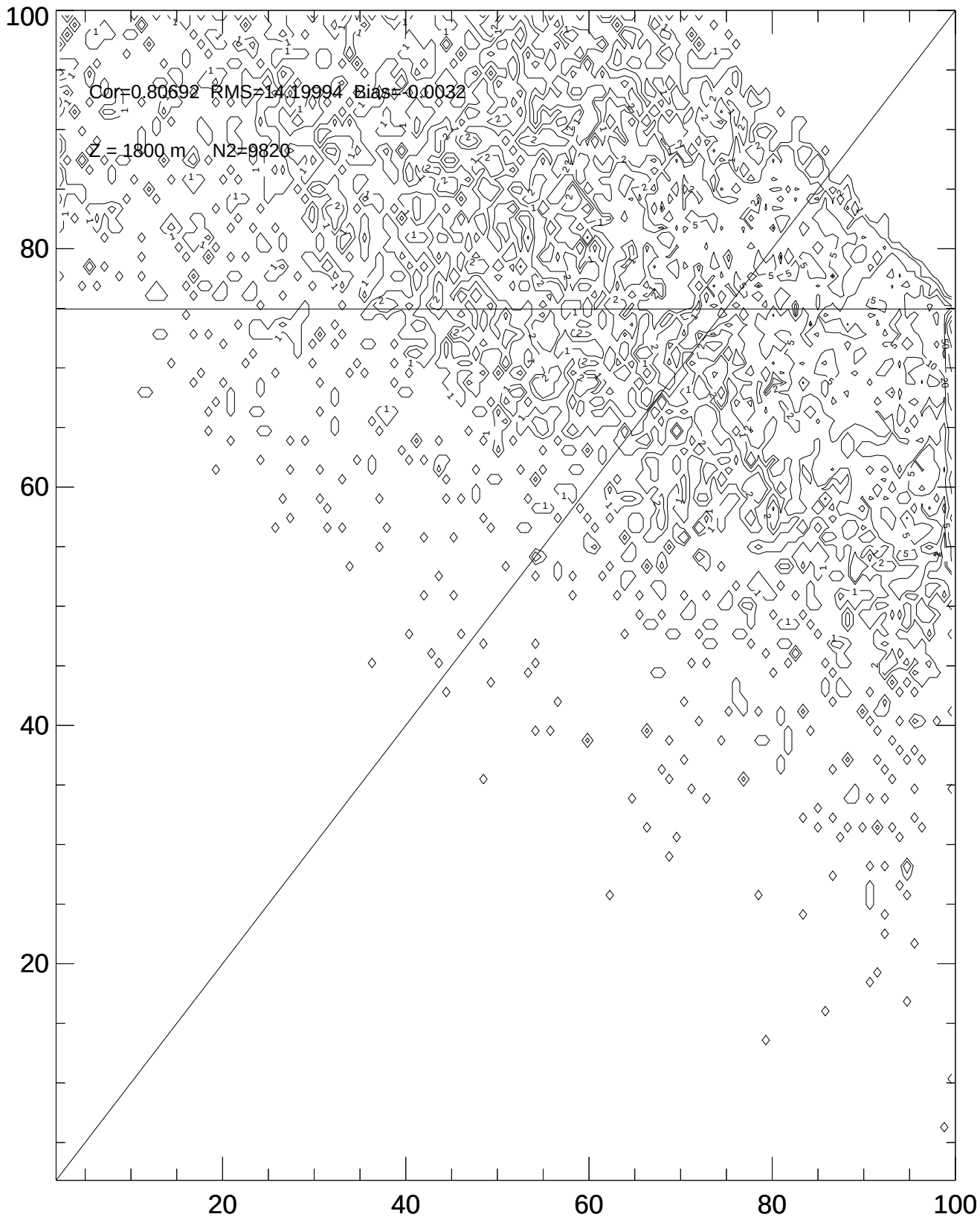

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

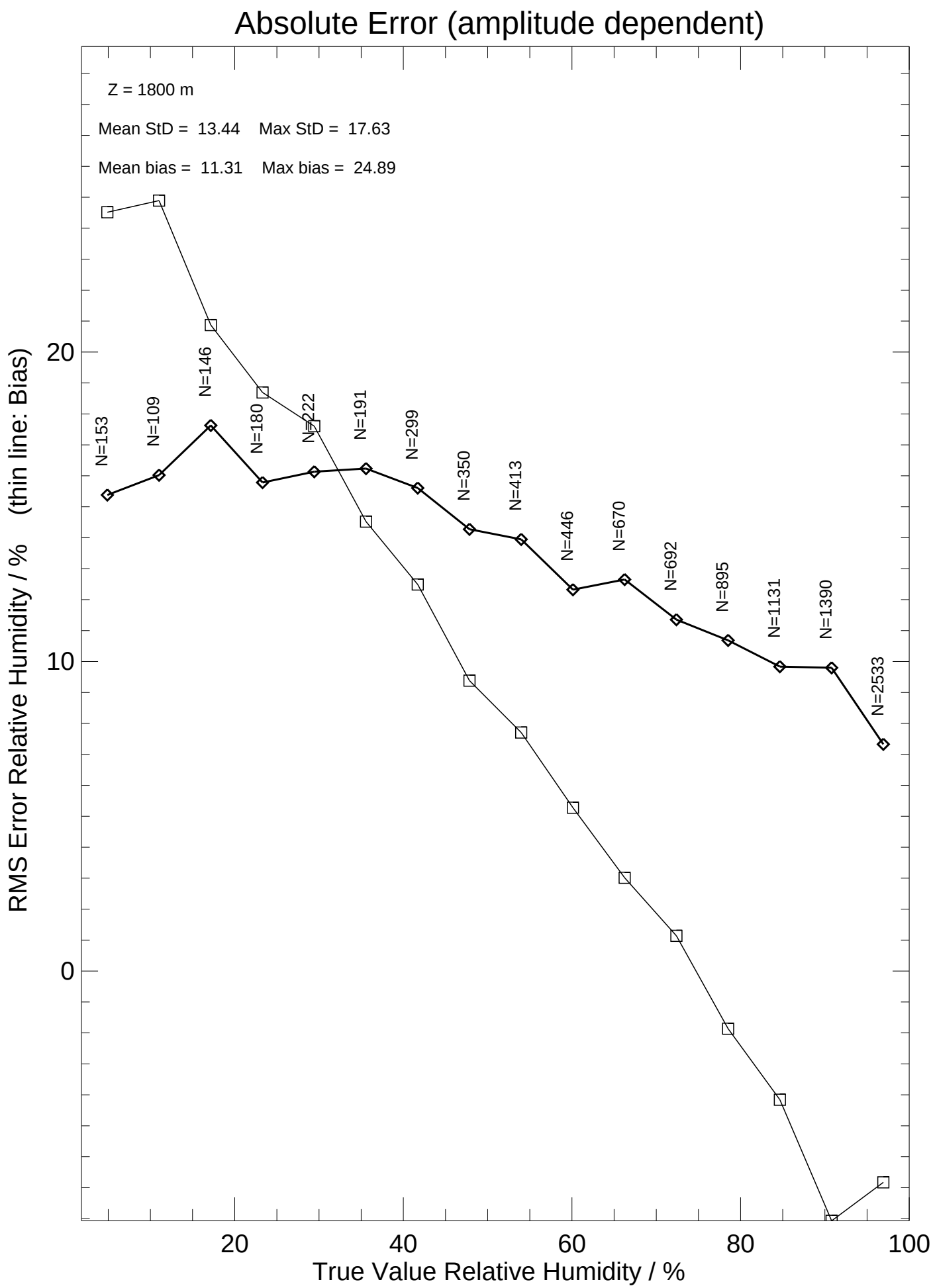

Cor=0.80828 RMS=13.82840 Bias=0.0374
Z=1740 m N2=9820
100
80
60
40
20
20
40
60
80
100

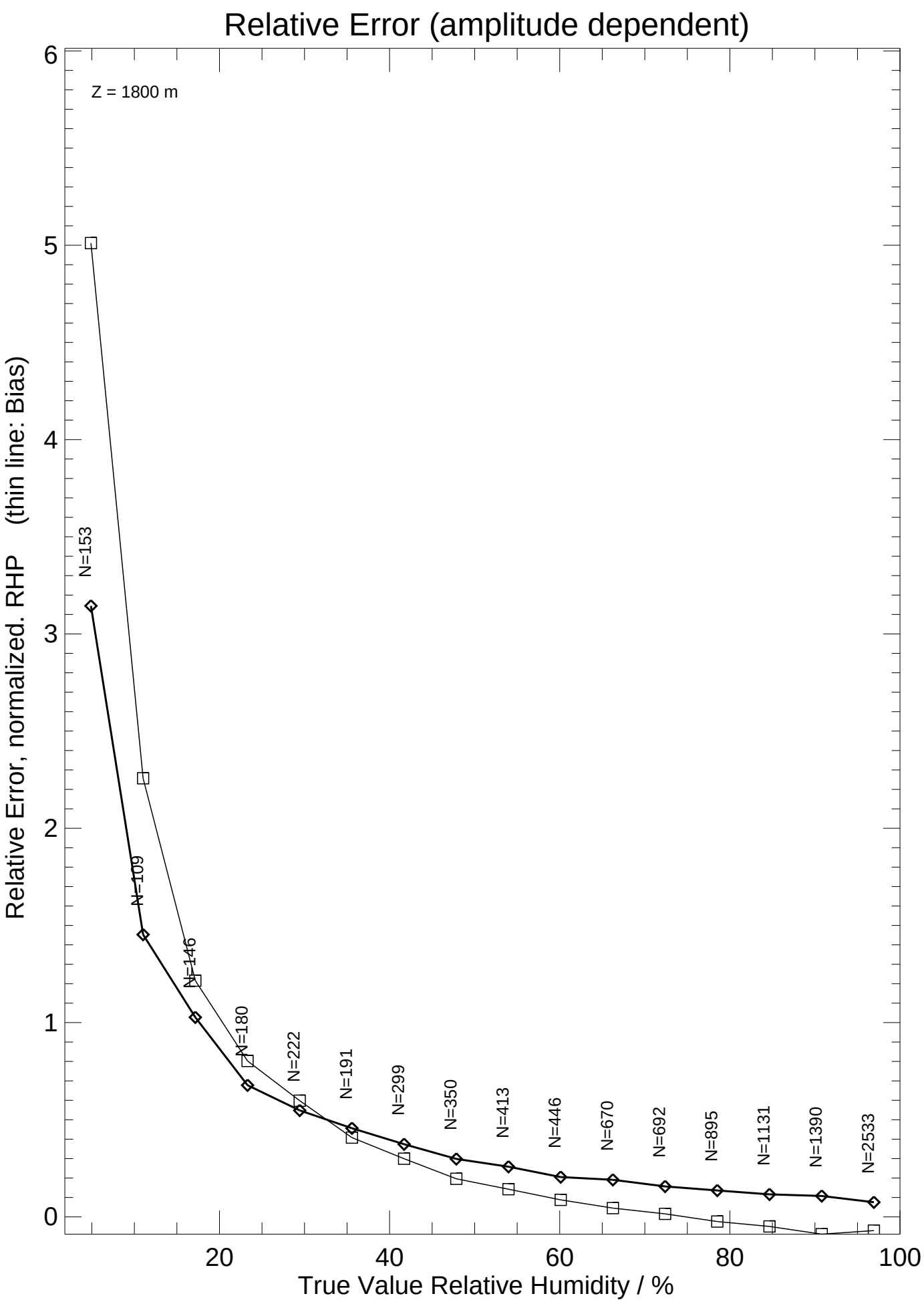

Absolute Error (amplitude dependent)
Z = 1740 m
Mean StD = 13.23 Max StD = 17.52
Mean bias = 11.39 Max bias = 25.93
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=123
N=106
N=135
N=163
N=203
N=212
N=283
N=341
N=406
N=470
N=654
N=728
N=895
N=1127
N=1420
N=2554

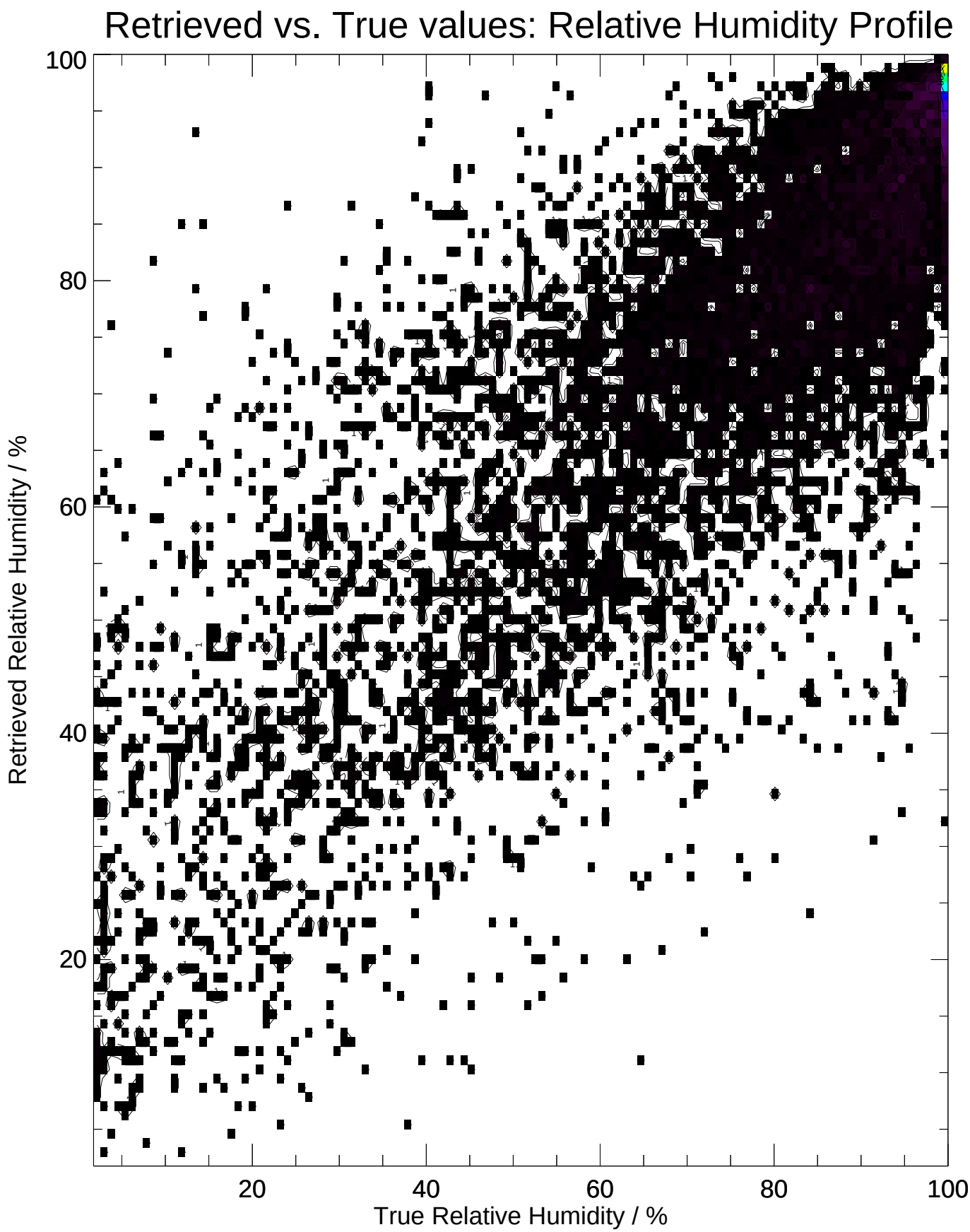

Relative Error (amplitude dependent)
Z = 1740 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=123
N=106
N=135
N=163
N=203
N=212
N=283
N=341
N=406
N=470
N=654
N=728
N=895
N=1127
N=1420
N=2554

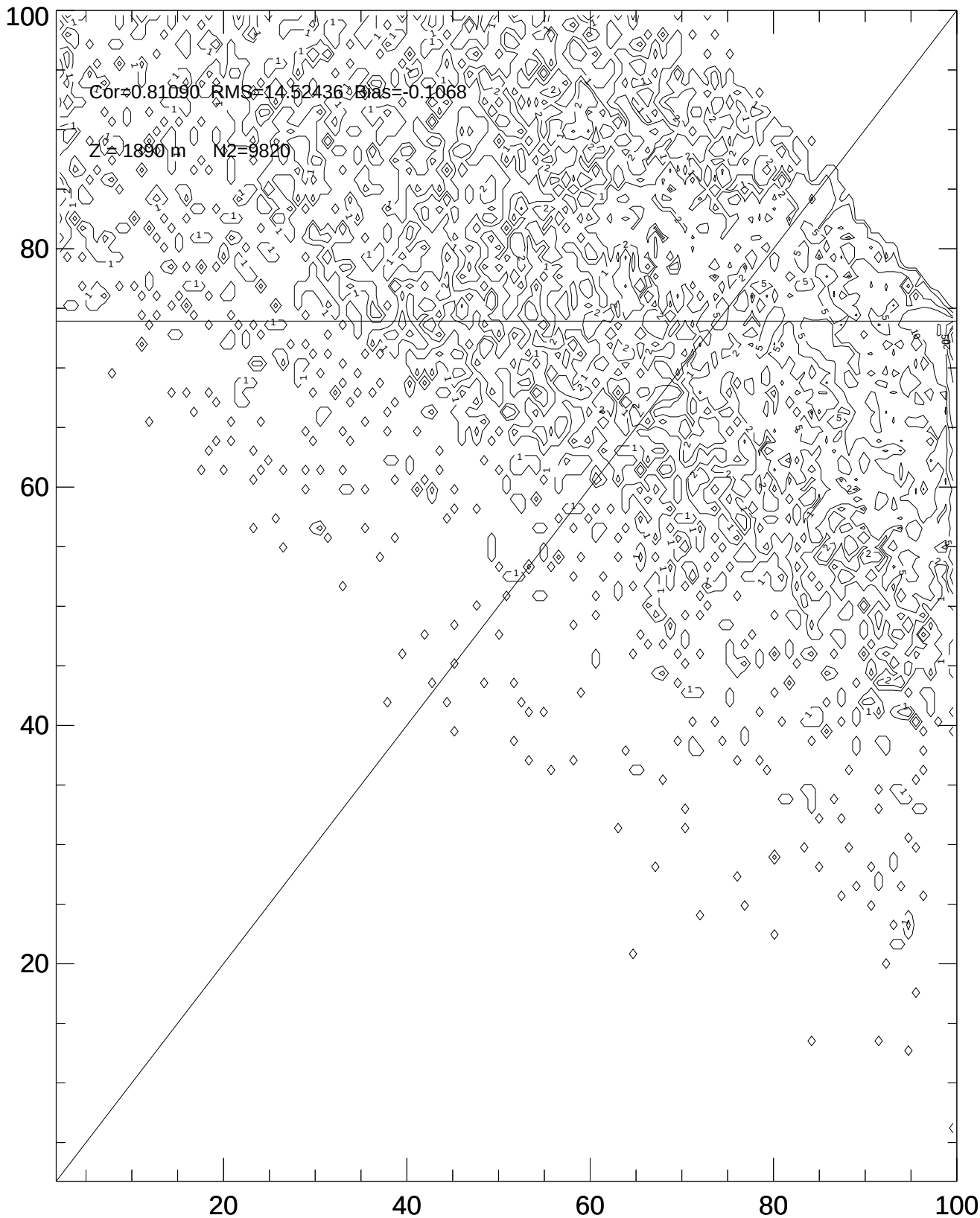

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

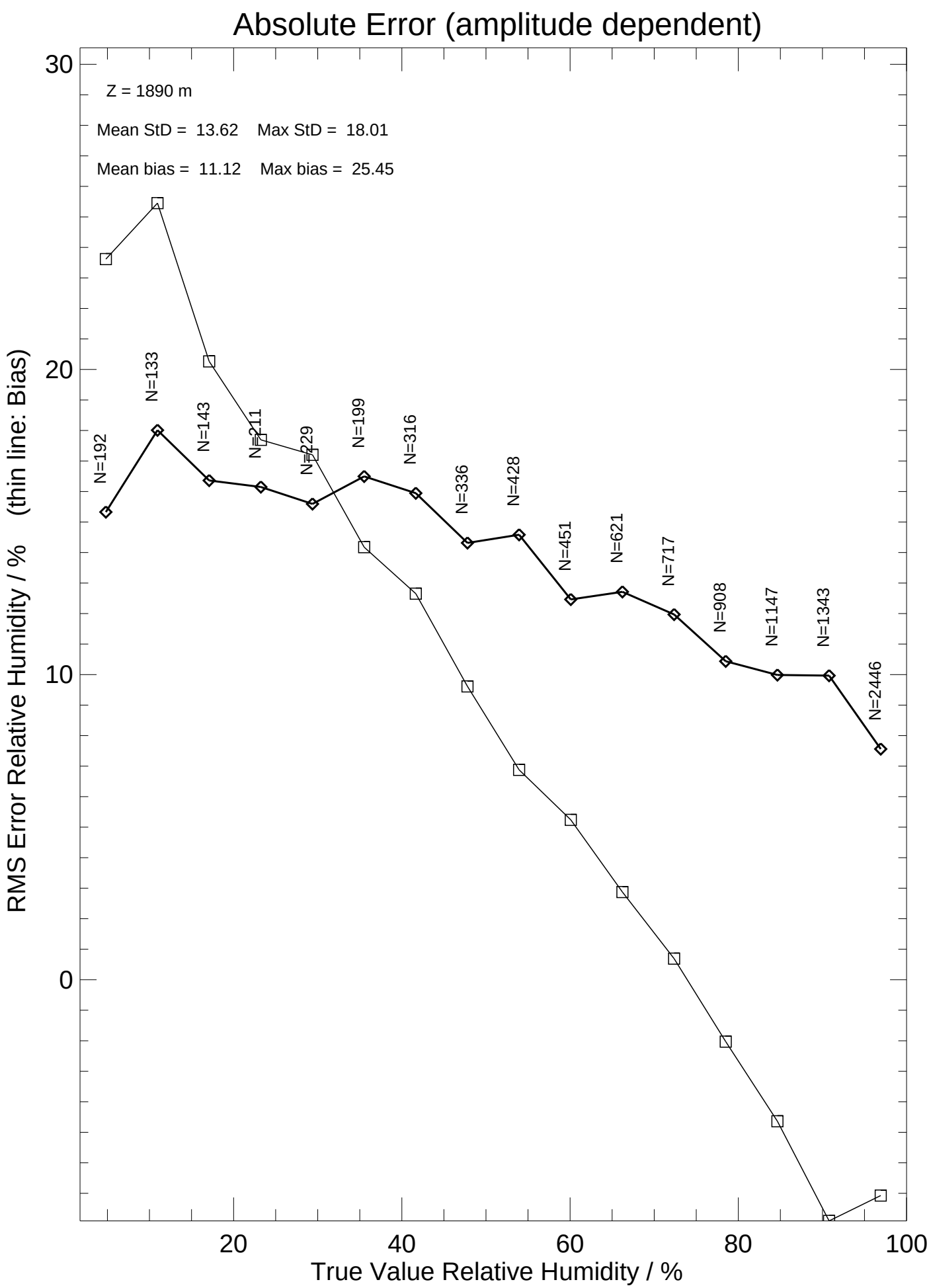

Cor=0.80692 RMS=14.19994 Bias=-0.0032
Z = 1800 m N2=9820
100
80
60
40
20
20
40
60
80
100

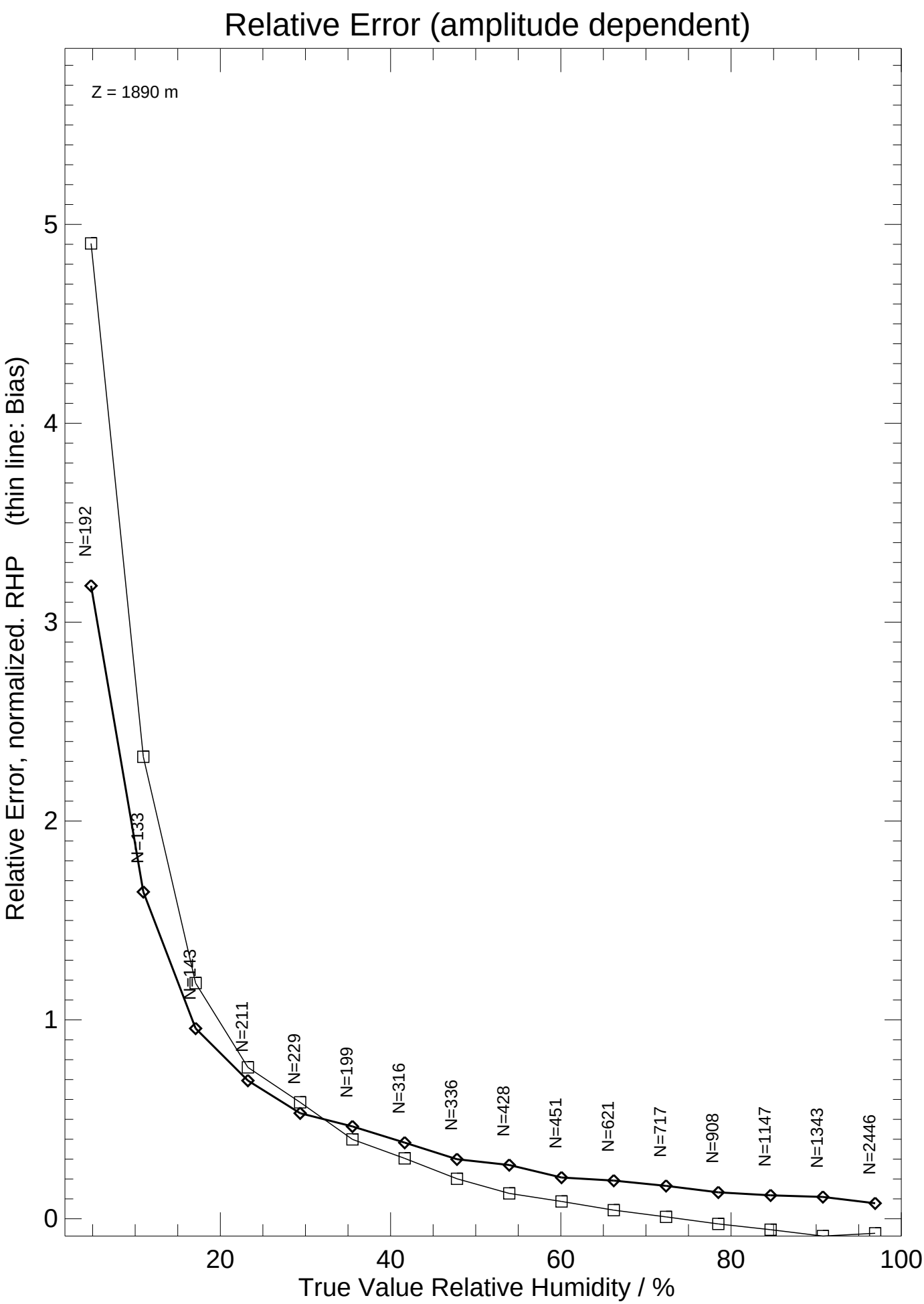

Absolute Error (amplitude dependent)
Z = 1800 m
Mean StD = 13.44 Max StD = 17.63
Mean bias = 11.31 Max bias = 24.89
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
20
40
60
80
100
N=153
N=109
N=146
N=180
N=222
N=191
N=299
N=350
N=413
N=446
N=670
N=692
N=895
N=1131
N=1390
N=2533

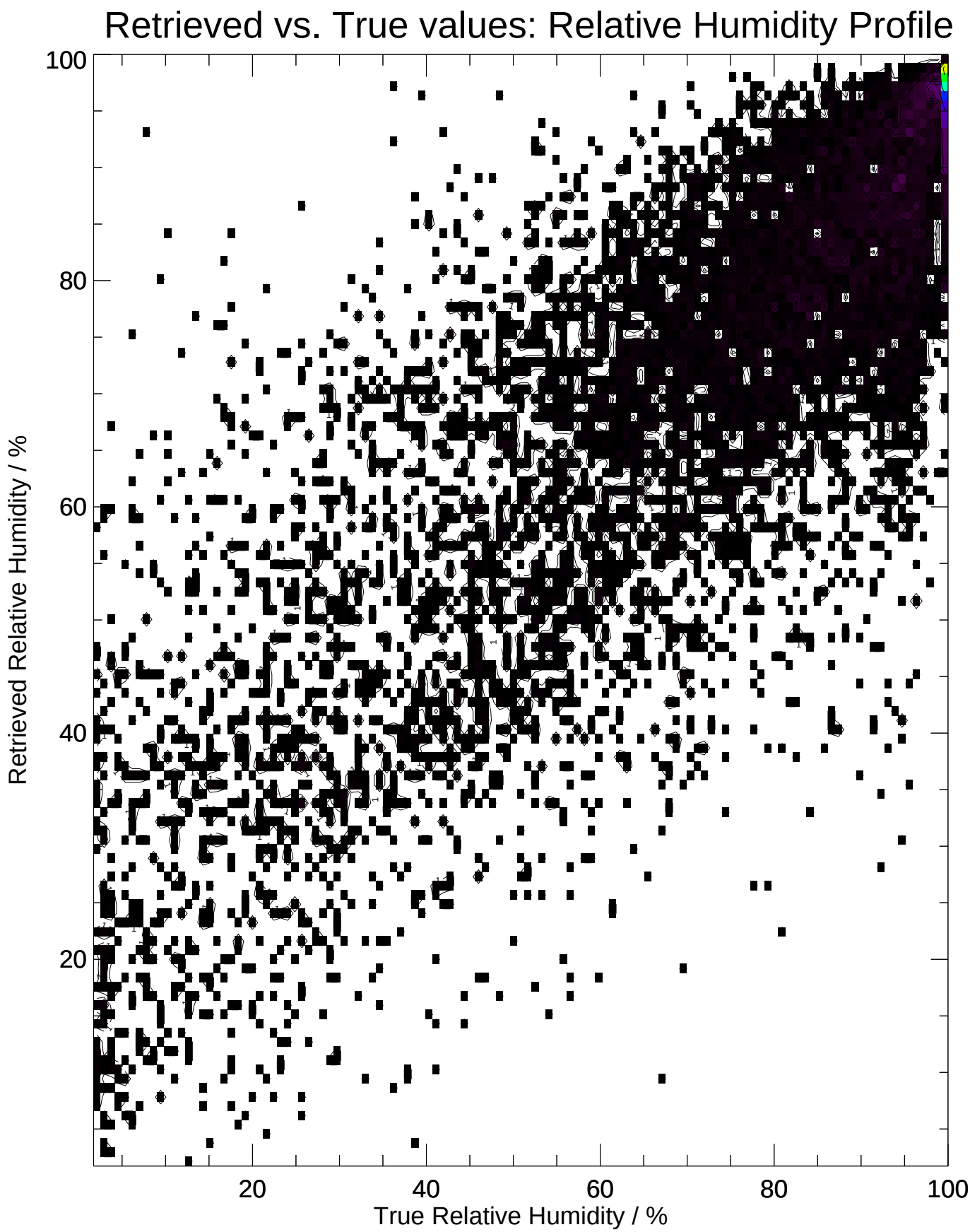

Relative Error (amplitude dependent)
Z = 1800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=153
N=109
N=146
N=180
N=222
N=191
N=299
N=350
N=413
N=446
N=670
N=692
N=895
N=1131
N=1390
N=2533

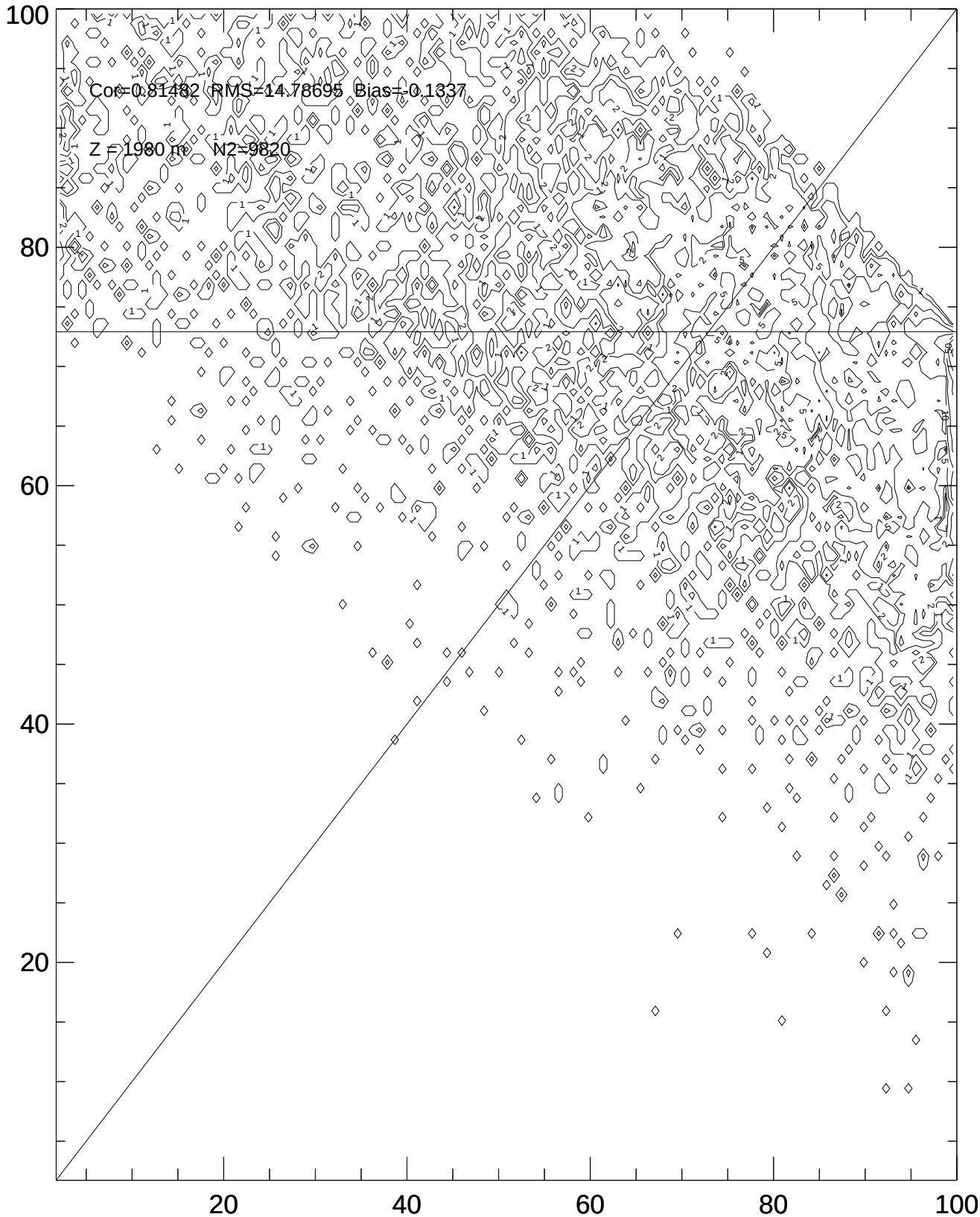

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

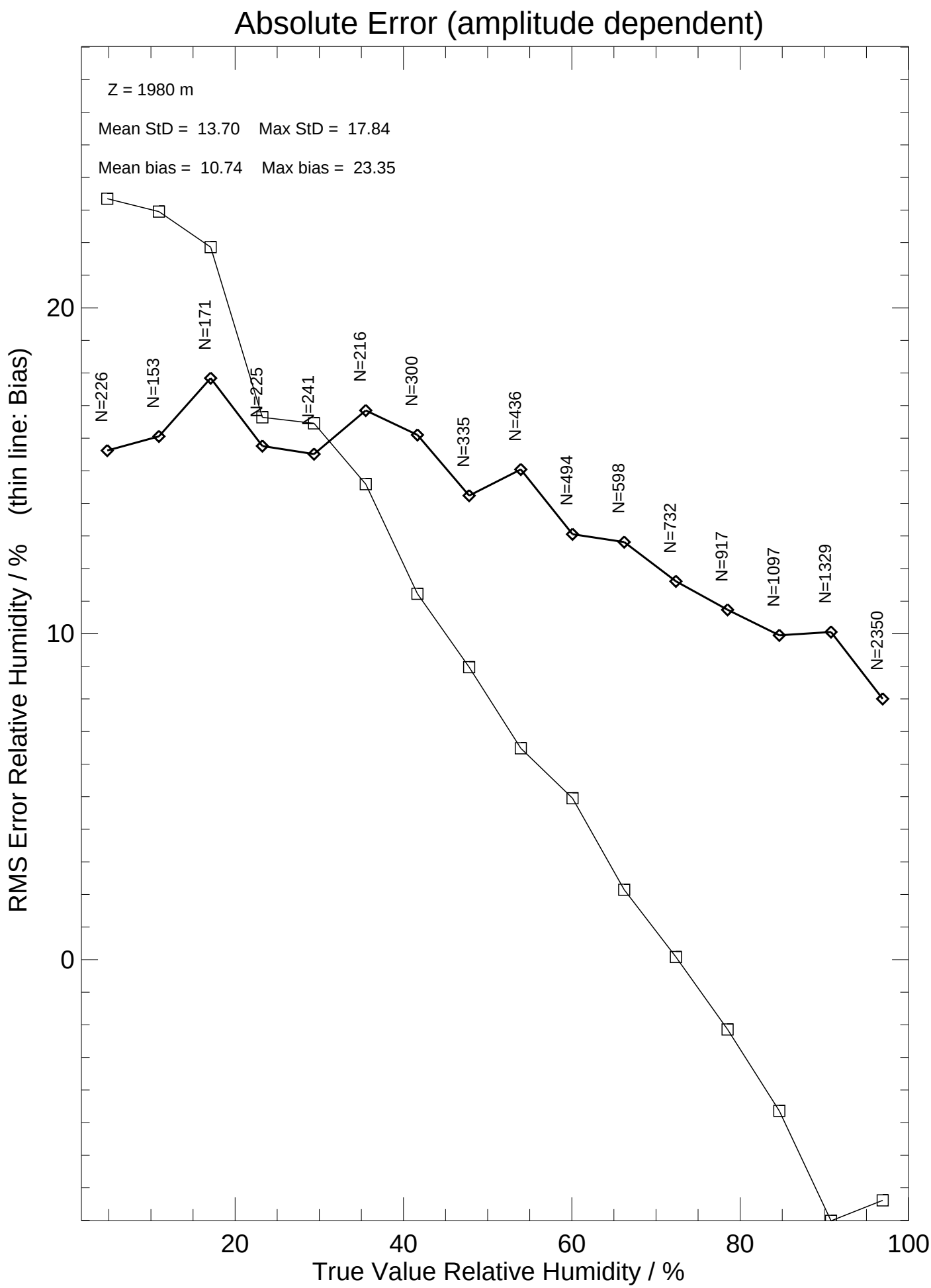

Cor=0.81090 RMS=14.52436 Bias=-0.1068
Z = 1890 m N2=9820
100
80
60
40
20
20
40
60
80
100

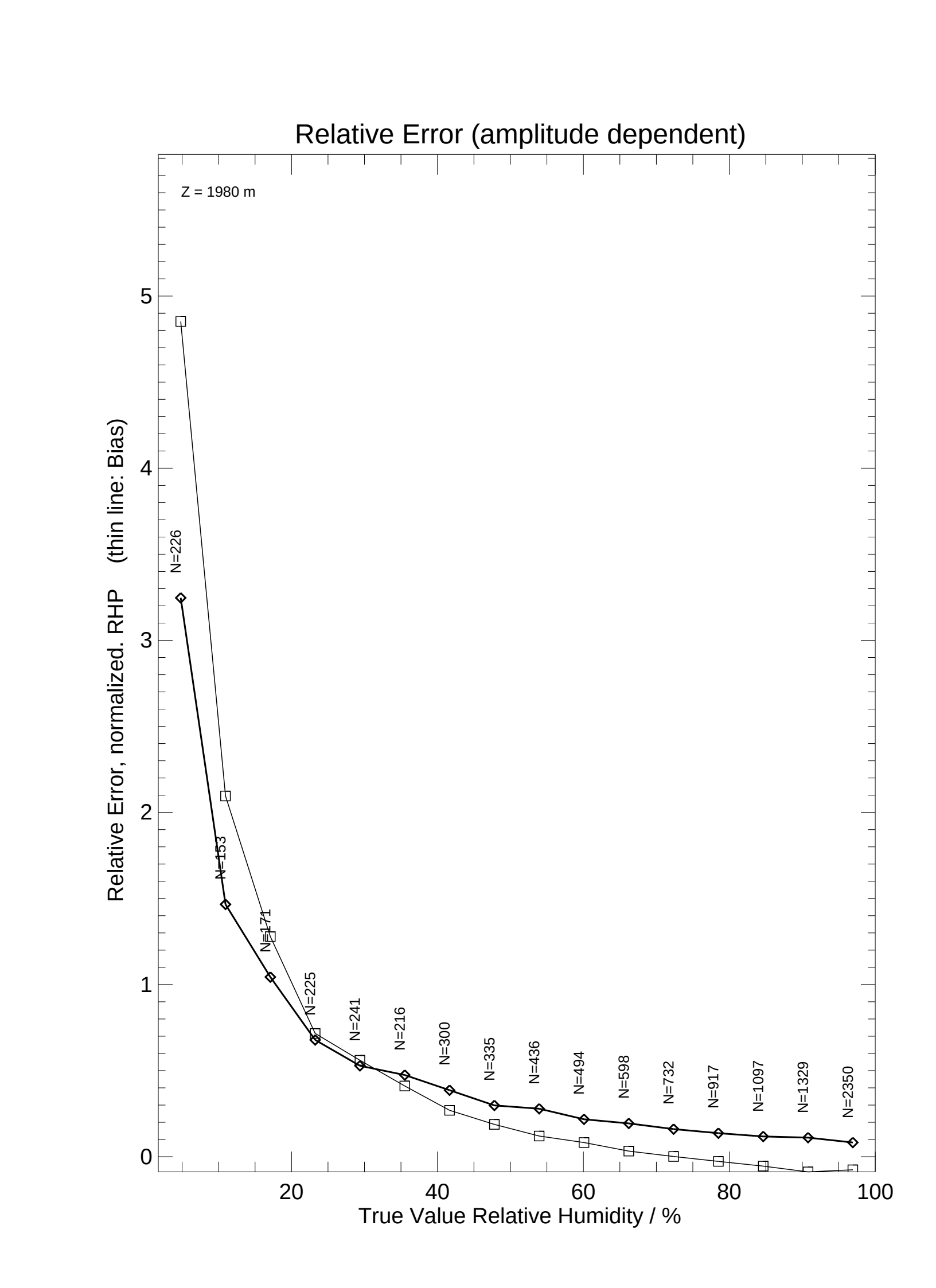

Absolute Error (amplitude dependent)
Z = 1890 m
Mean StD = 13.62 Max StD = 18.01
Mean bias = 11.12 Max bias = 25.45
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
30
20
10
0
20
40
60
80
100
N=192
N=133
N=143
N=211
N=229
N=199
N=316
N=336
N=428
N=451
N=621
N=717
N=908
N=1147
N=1343
N=2446

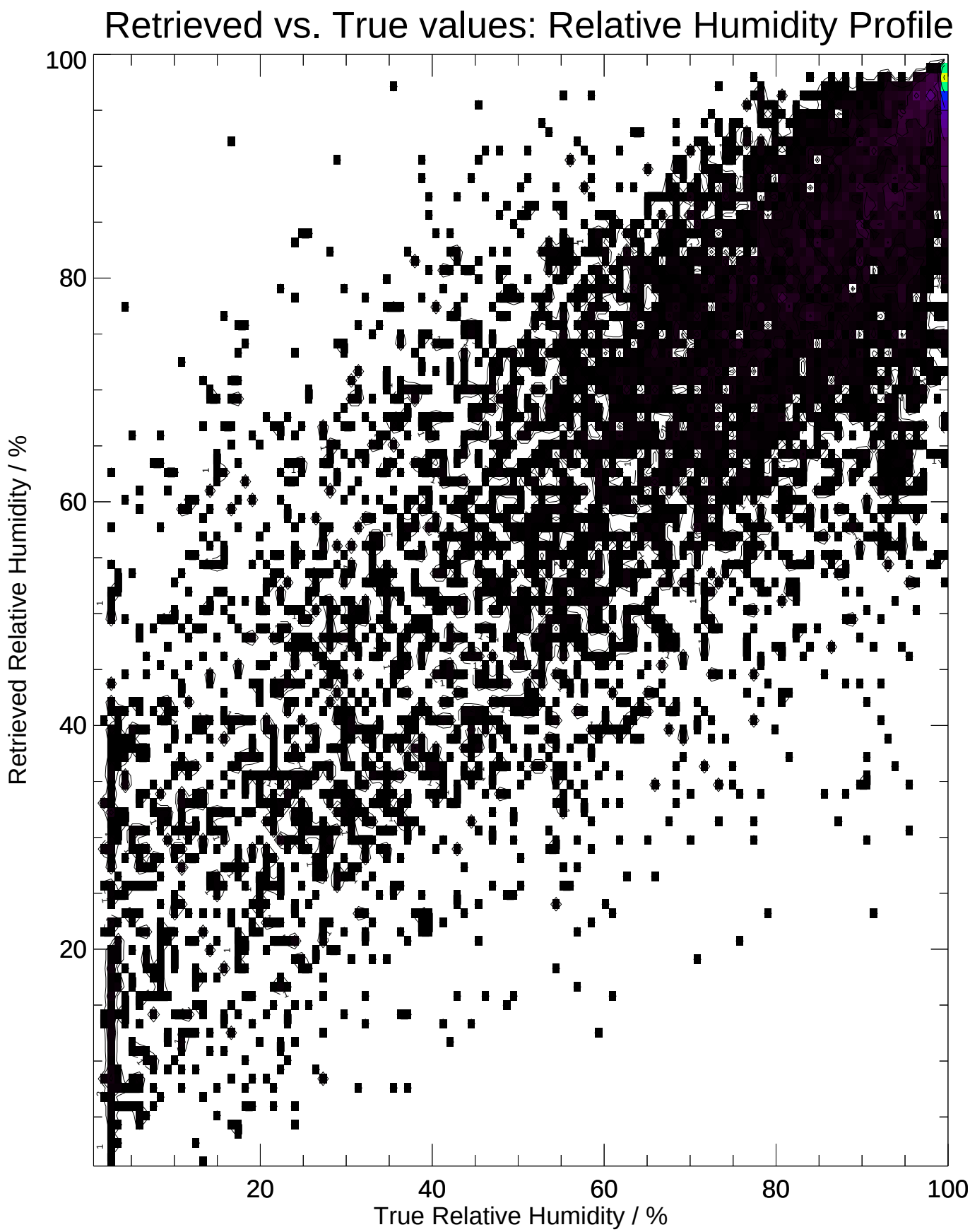

Relative Error (amplitude dependent)
Z = 1890 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=192
N=133
N=143
N=211
N=229
N=199
N=316
N=336
N=428
N=451
N=621
N=717
N=908
N=1147
N=1343
N=2446

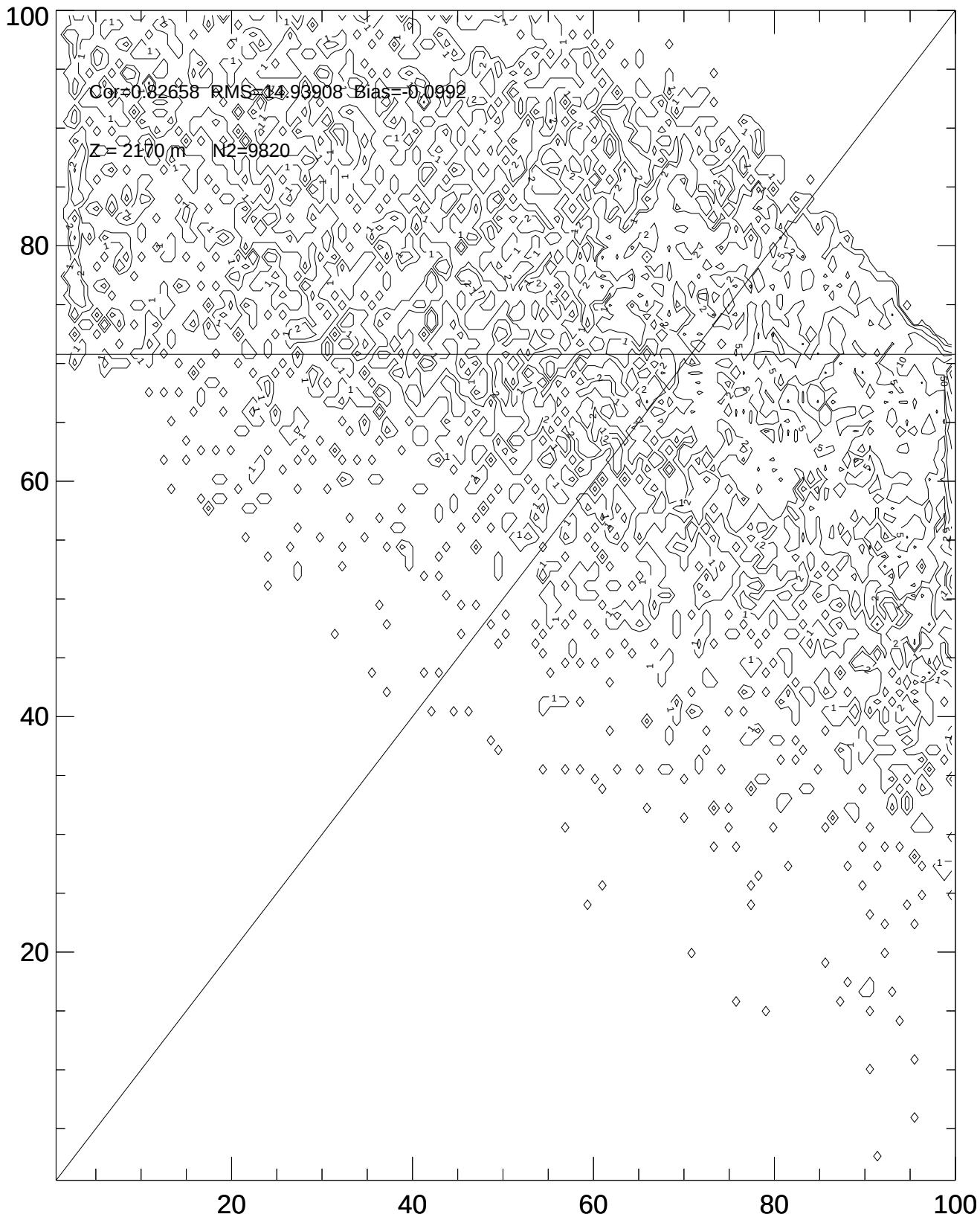

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

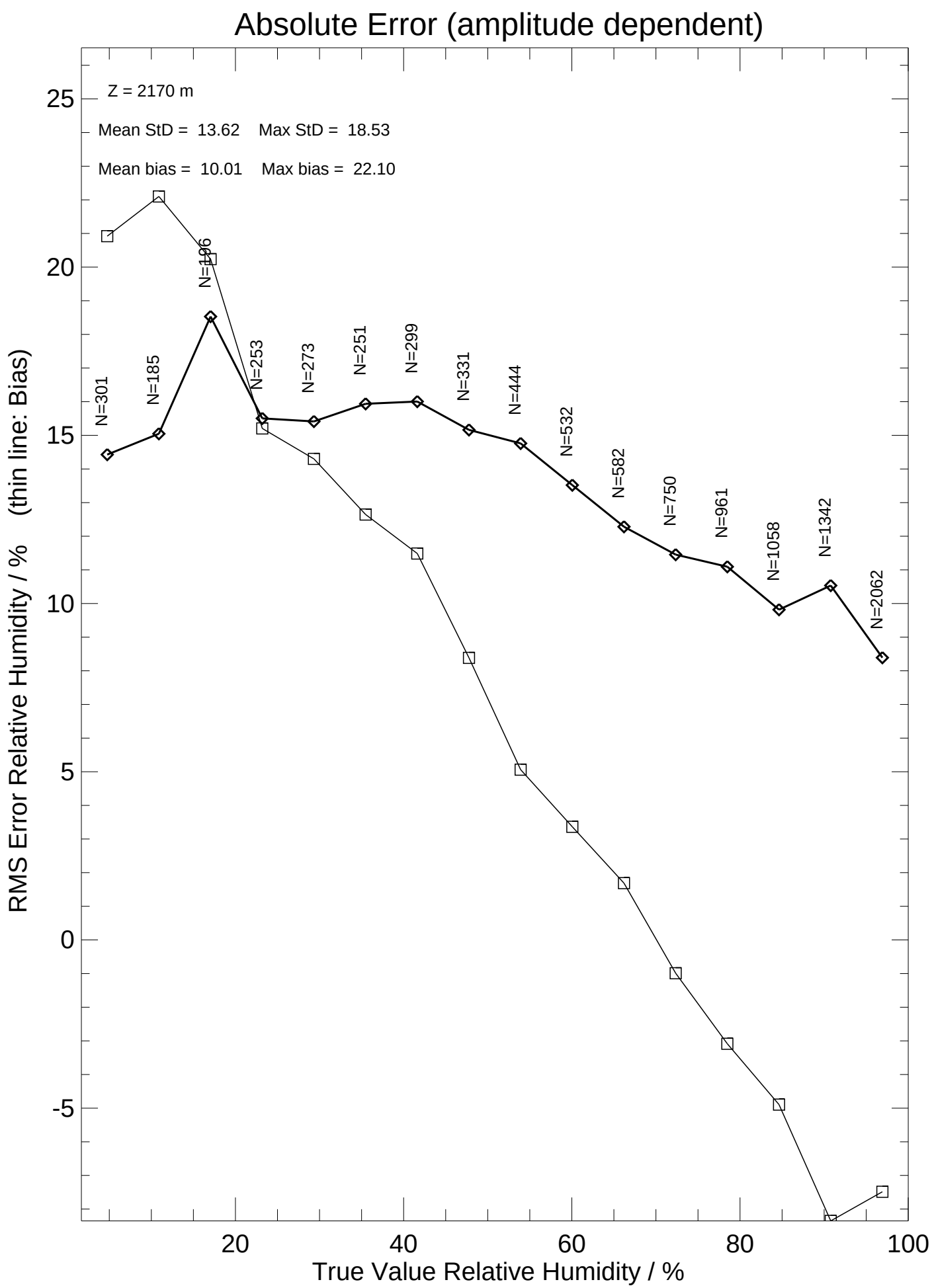

Cor=0.81482 RMS=14.78695 Bias=-0.1337
Z = 1980 m N2=9820
100
80
60
40
20
20
40
60
80
100

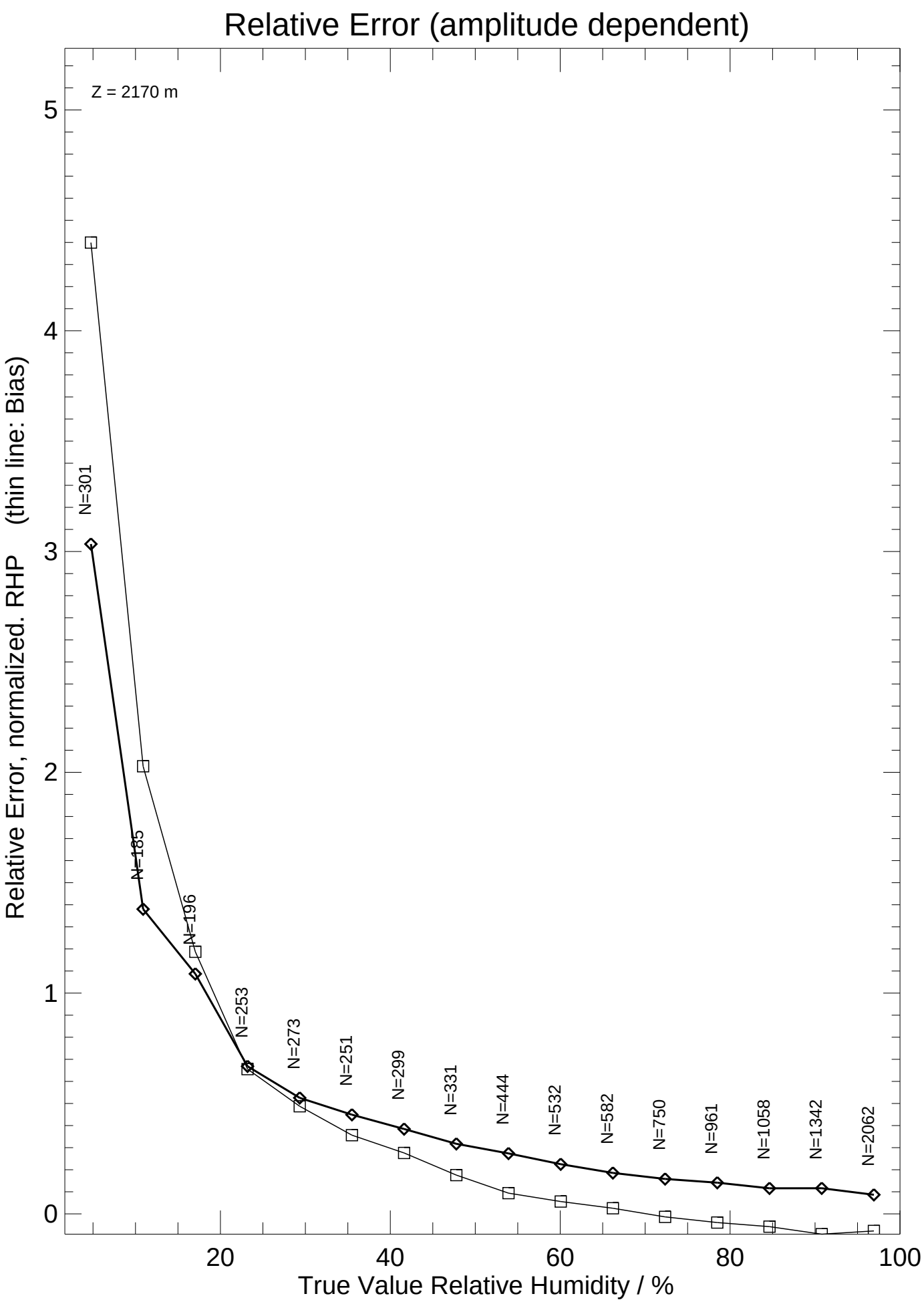

Absolute Error (amplitude dependent)
Z = 1980 m
Mean StD = 13.70 Max StD = 17.84
Mean bias = 10.74 Max bias = 23.35
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
0
10
20
20
40
60
80
100
N=226
N=153
N=171
N=225
N=241
N=216
N=300
N=335
N=436
N=494
N=598
N=732
N=917
N=1097
N=1329
N=2350

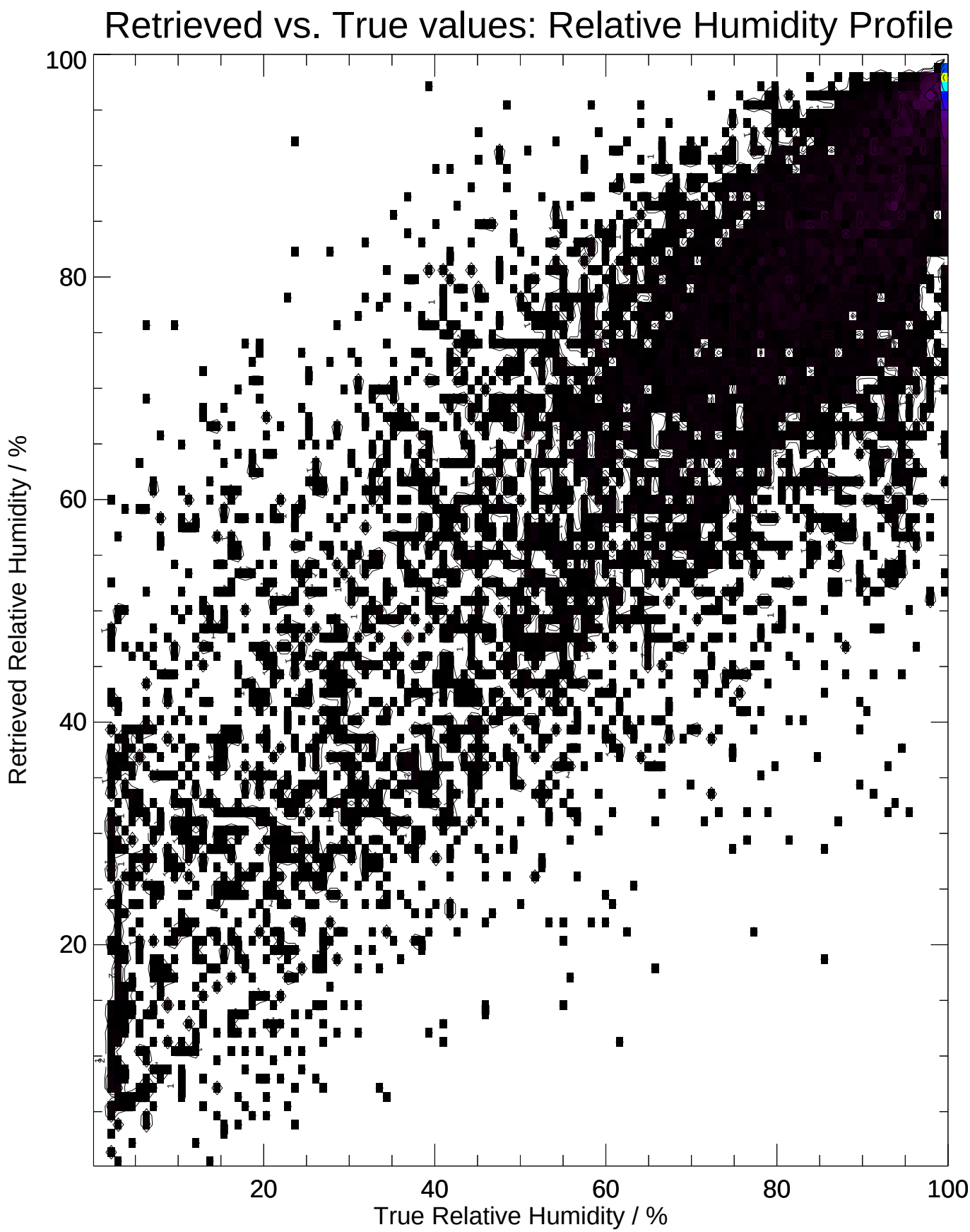

Relative Error (amplitude dependent)
Z = 1980 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=153
N=171
N=225
N=226
N=241
N=216
N=300
N=335
N=436
N=494
N=598
N=732
N=917
N=1097
N=1329
N=2350

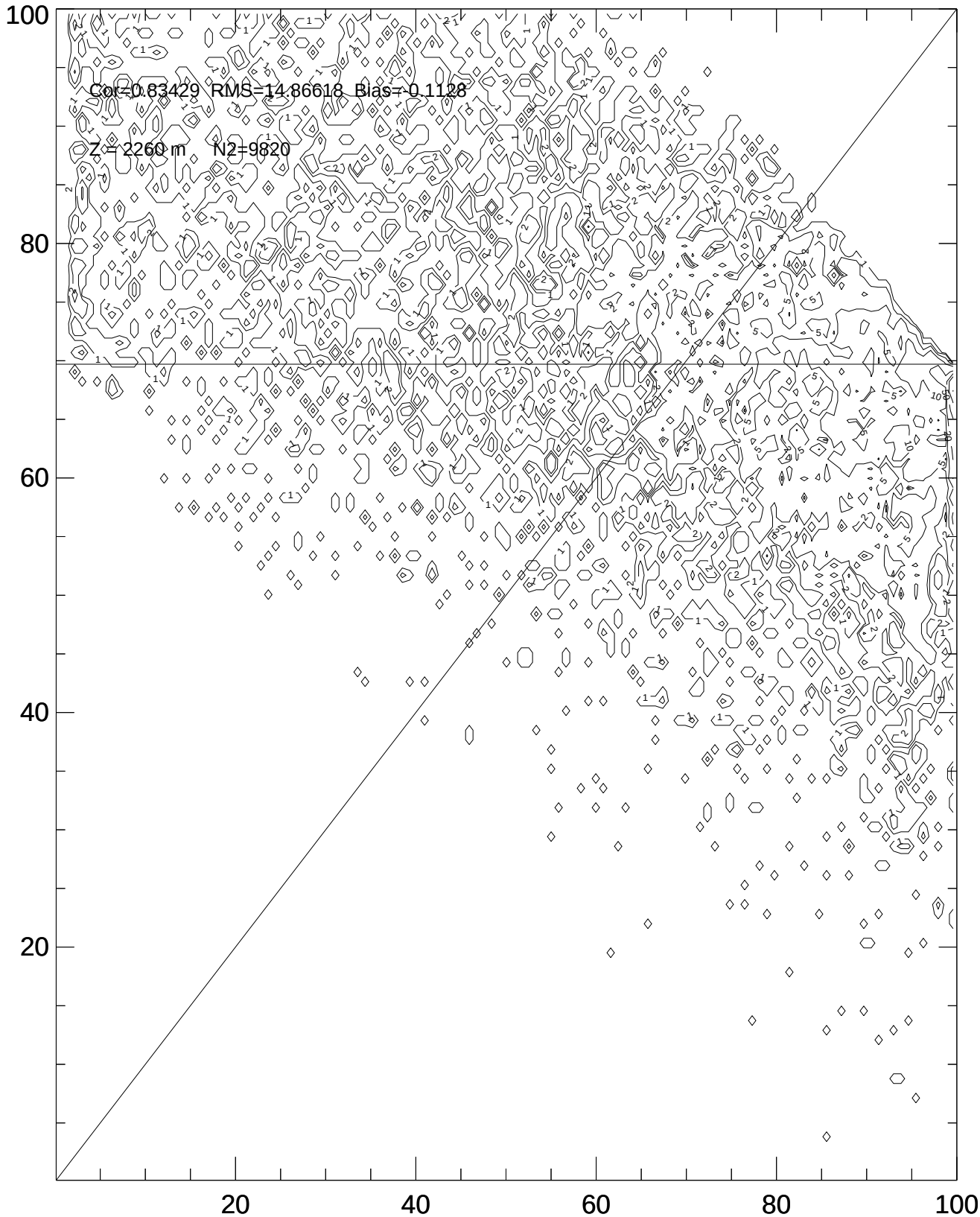

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

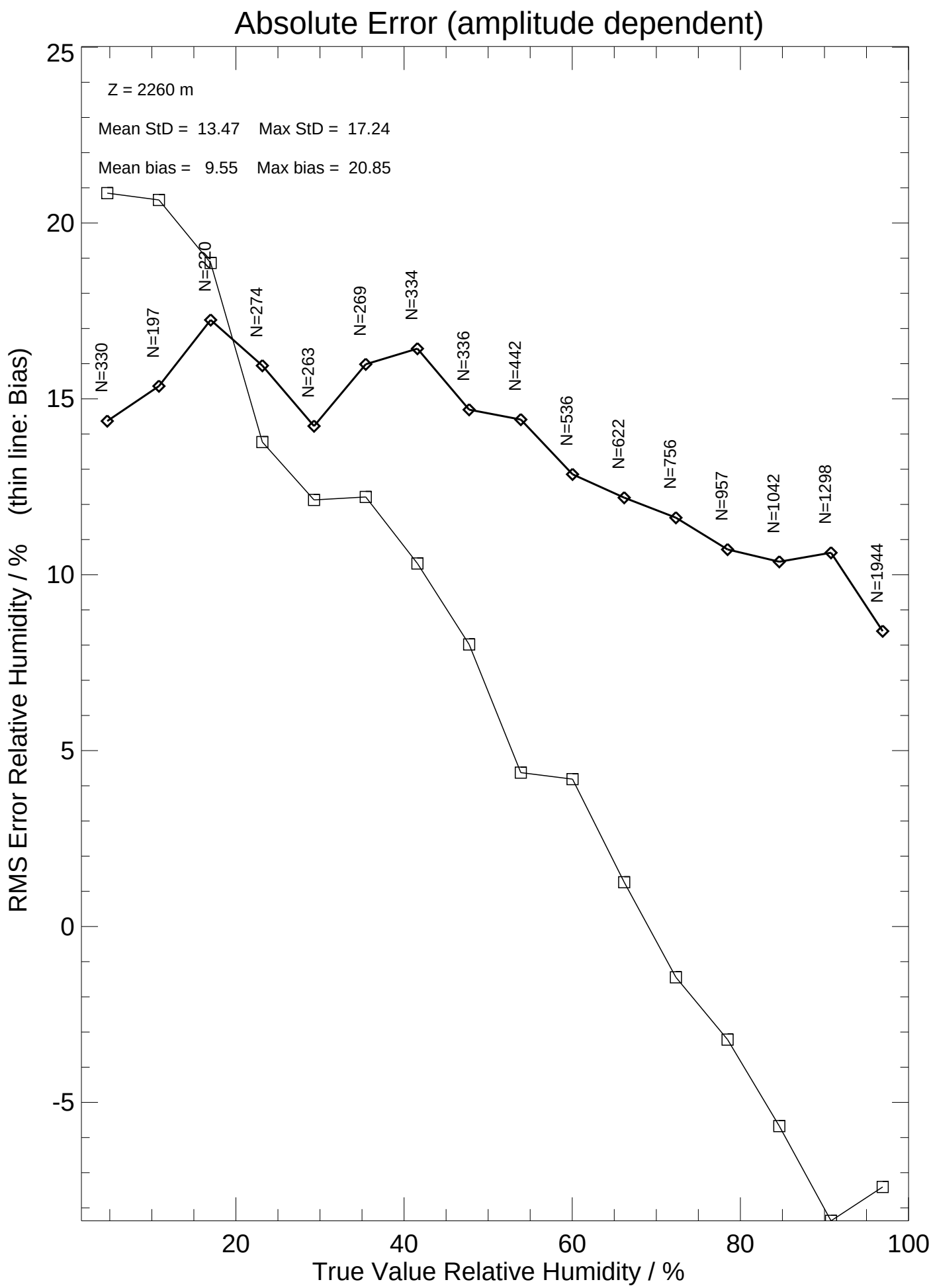

Cor=0.82658 RMS=14.93908 Bias=-0.0992
Z = 2170 m N2=9820
100
80
60
40
20
20
40
60
80
100

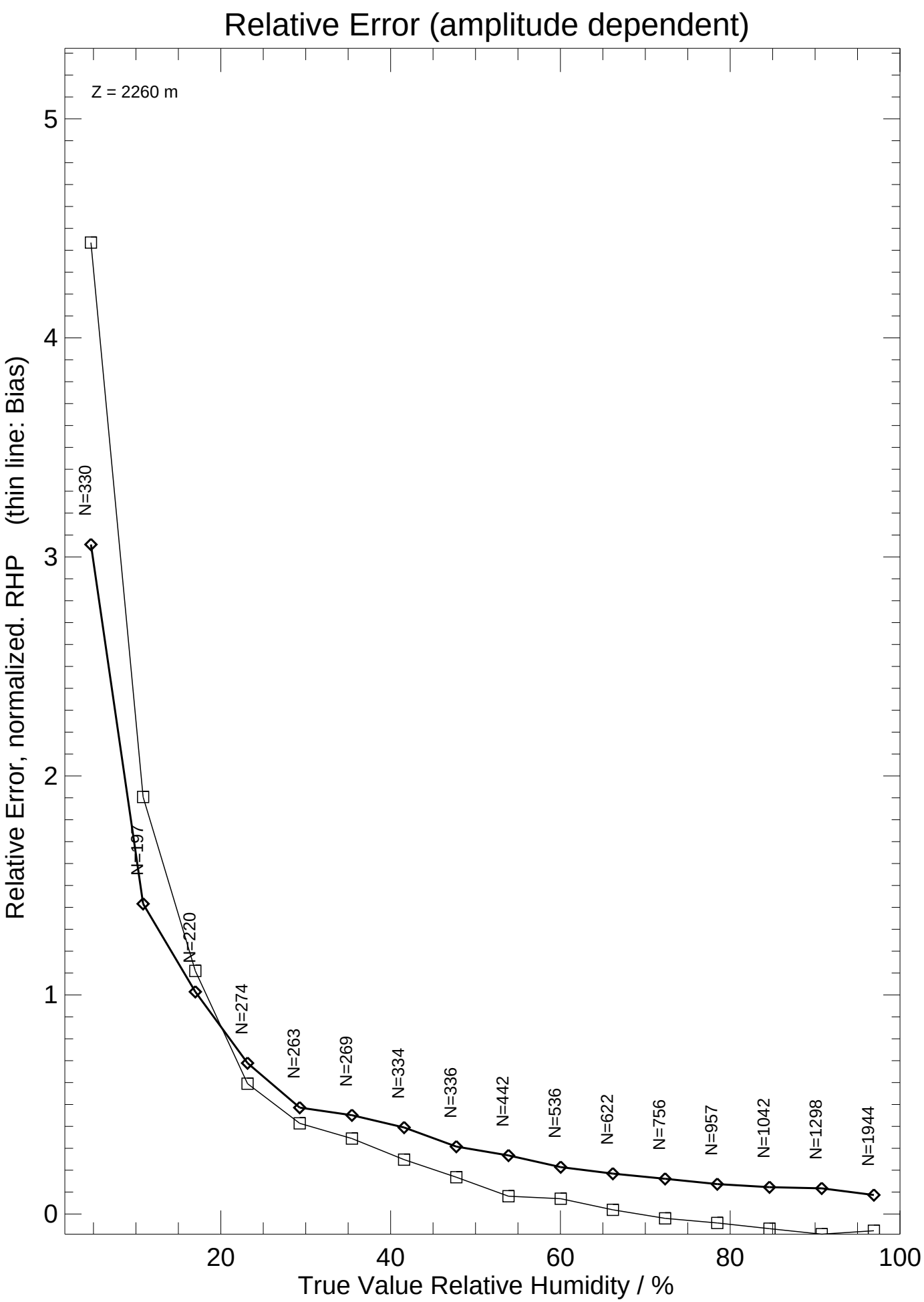

Absolute Error (amplitude dependent)
Z = 2170 m
Mean StD = 13.62 Max StD = 18.53
Mean bias = 10.01 Max bias = 22.10
N=301
N=185
N=196
N=253
N=273
N=251
N=299
N=331
N=444
N=532
N=582
N=750
N=961
N=1058
N=1342
N=2062
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
25
20
15
10
5
0
-5
20
40
60
80
100

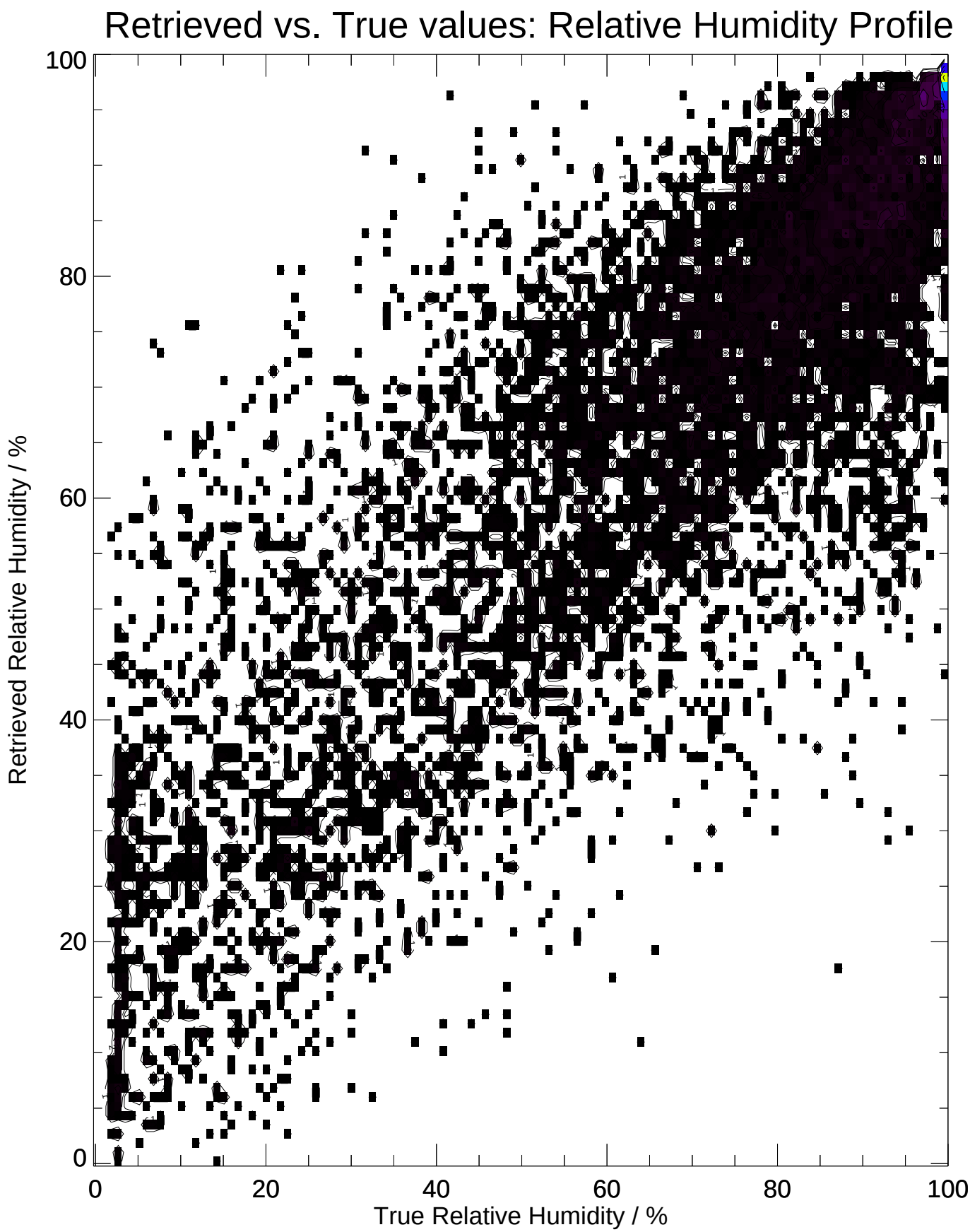

Relative Error (amplitude dependent)
Z = 2170 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=301
N=185
N=196
N=253
N=273
N=251
N=299
N=331
N=444
N=532
N=582
N=750
N=961
N=1058
N=1342
N=2062

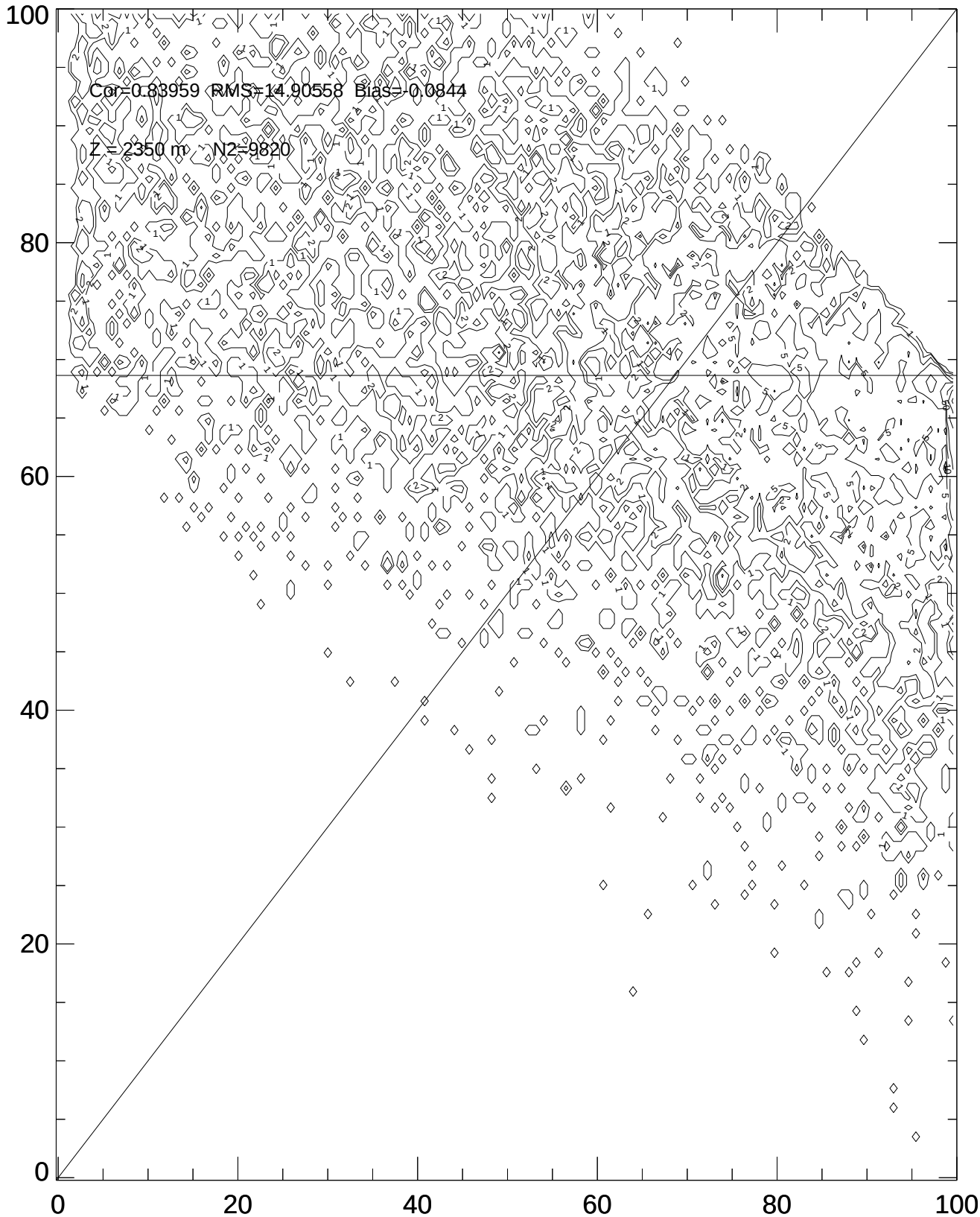

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

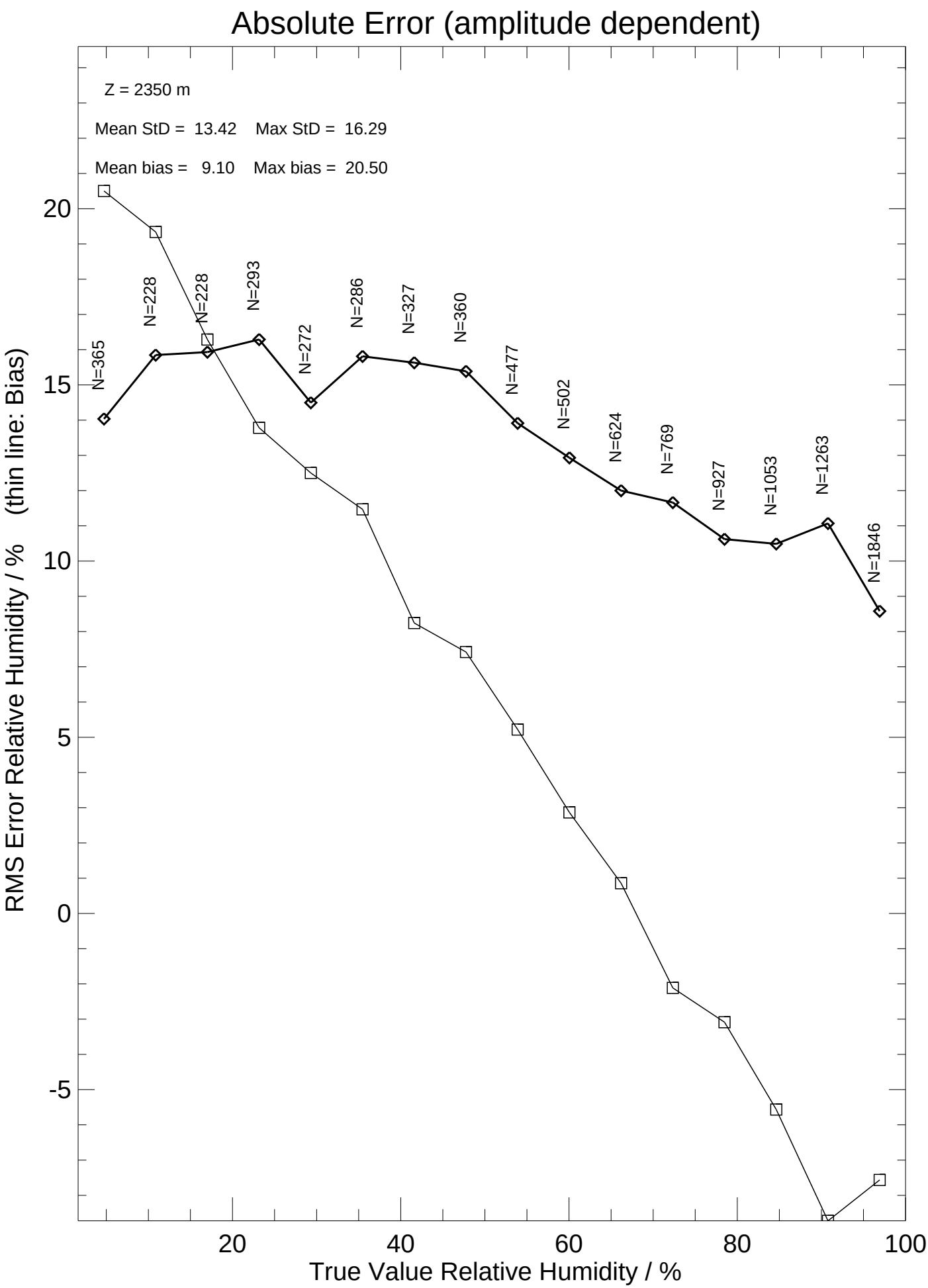

Cor=0.83429 RMS=14.86618 Bias=-0.1128
Z=2260 m N2=9820
100
80
60
40
20
20
40
60
80
100

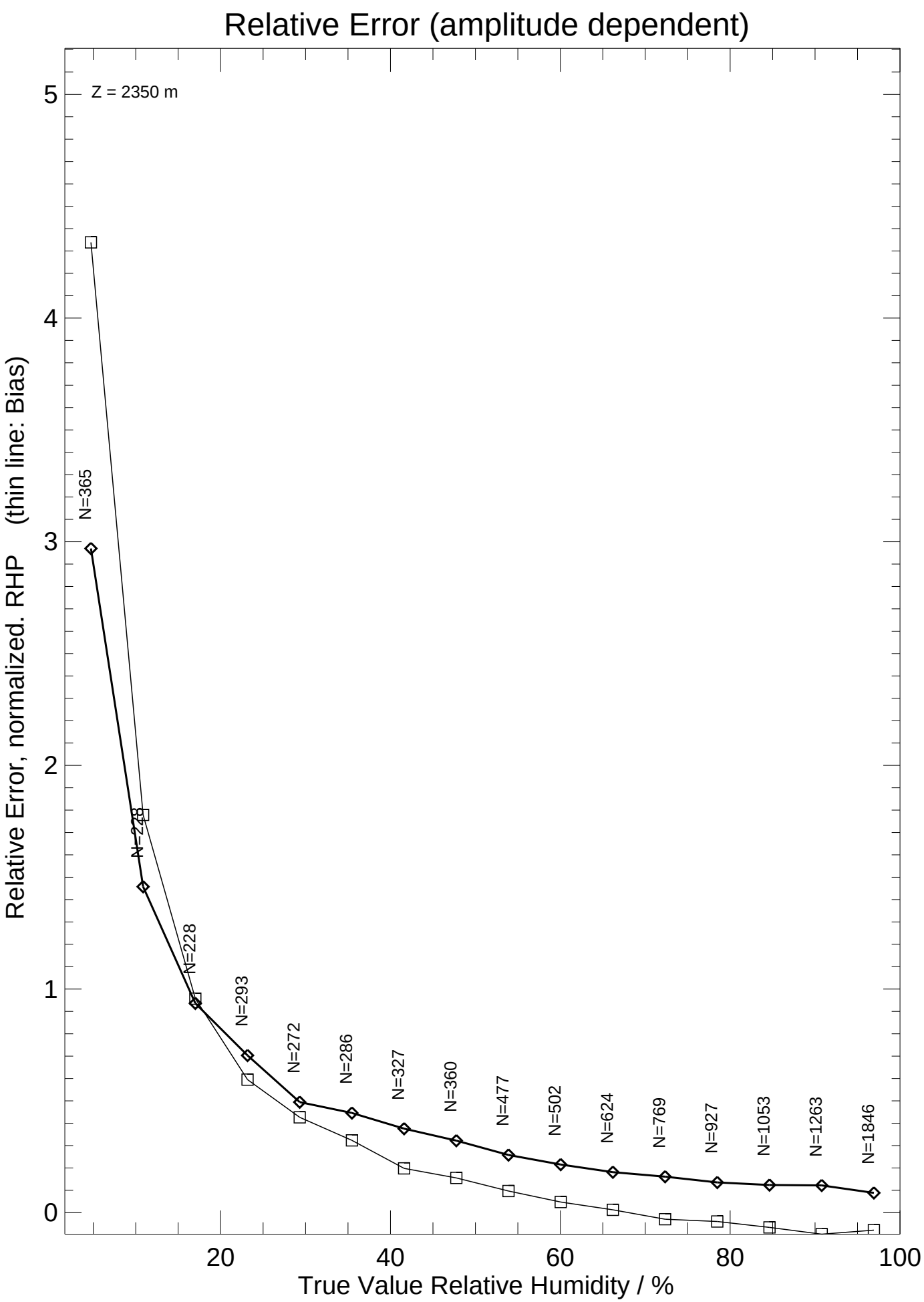

Absolute Error (amplitude dependent)
Z = 2260 m
Mean StD = 13.47 Max StD = 17.24
Mean bias = 9.55 Max bias = 20.85
N=330
N=197
N=220
N=274
N=263
N=269
N=334
N=336
N=442
N=536
N=622
N=756
N=957
N=1042
N=1298
N=1944
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
25
20
15
10
5
0
-5
20
40
60
80
100

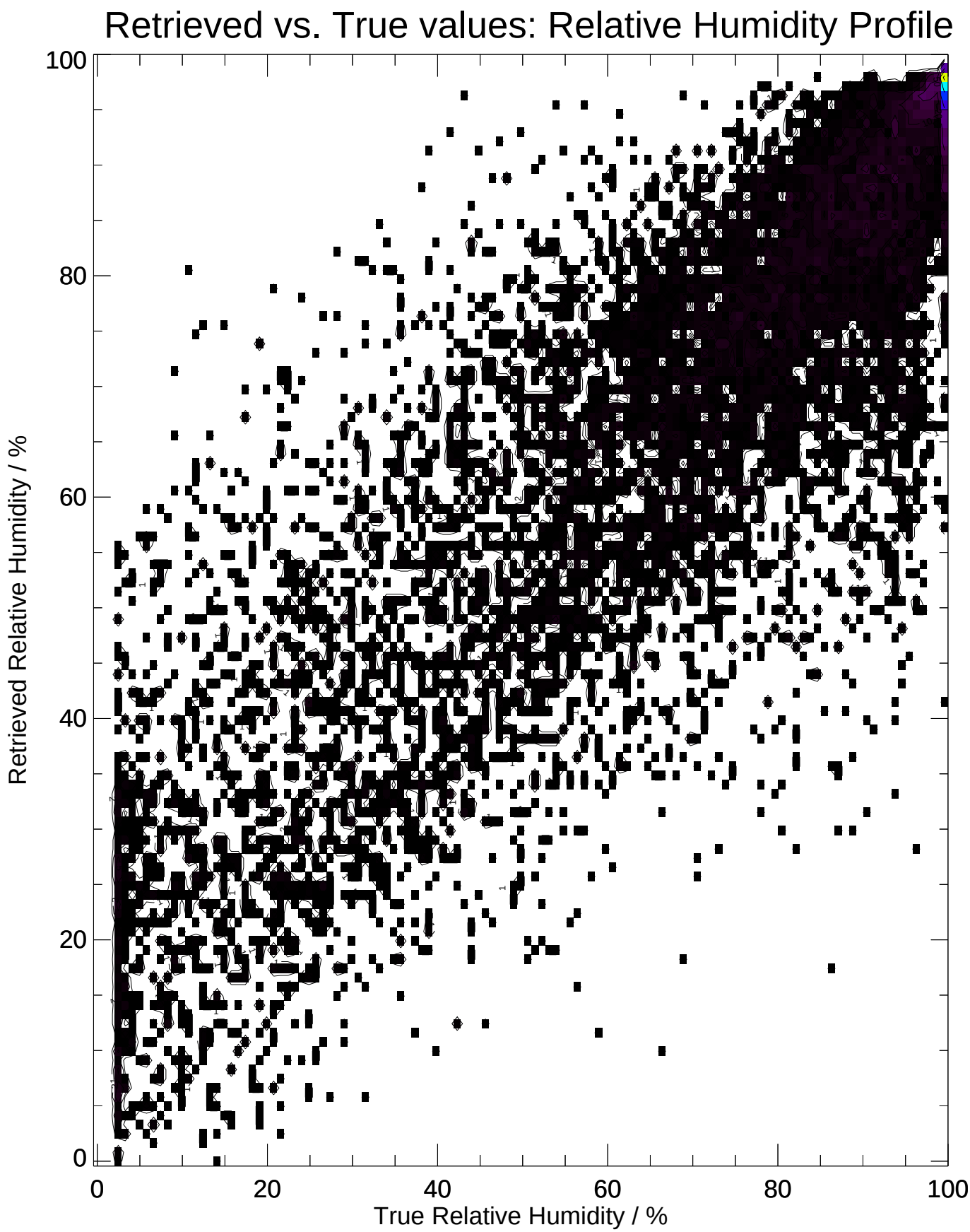

Relative Error (amplitude dependent)
Z = 2260 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=330
N=197
N=220
N=274
N=263
N=269
N=334
N=336
N=442
N=536
N=622
N=756
N=957
N=1042
N=1298
N=1944

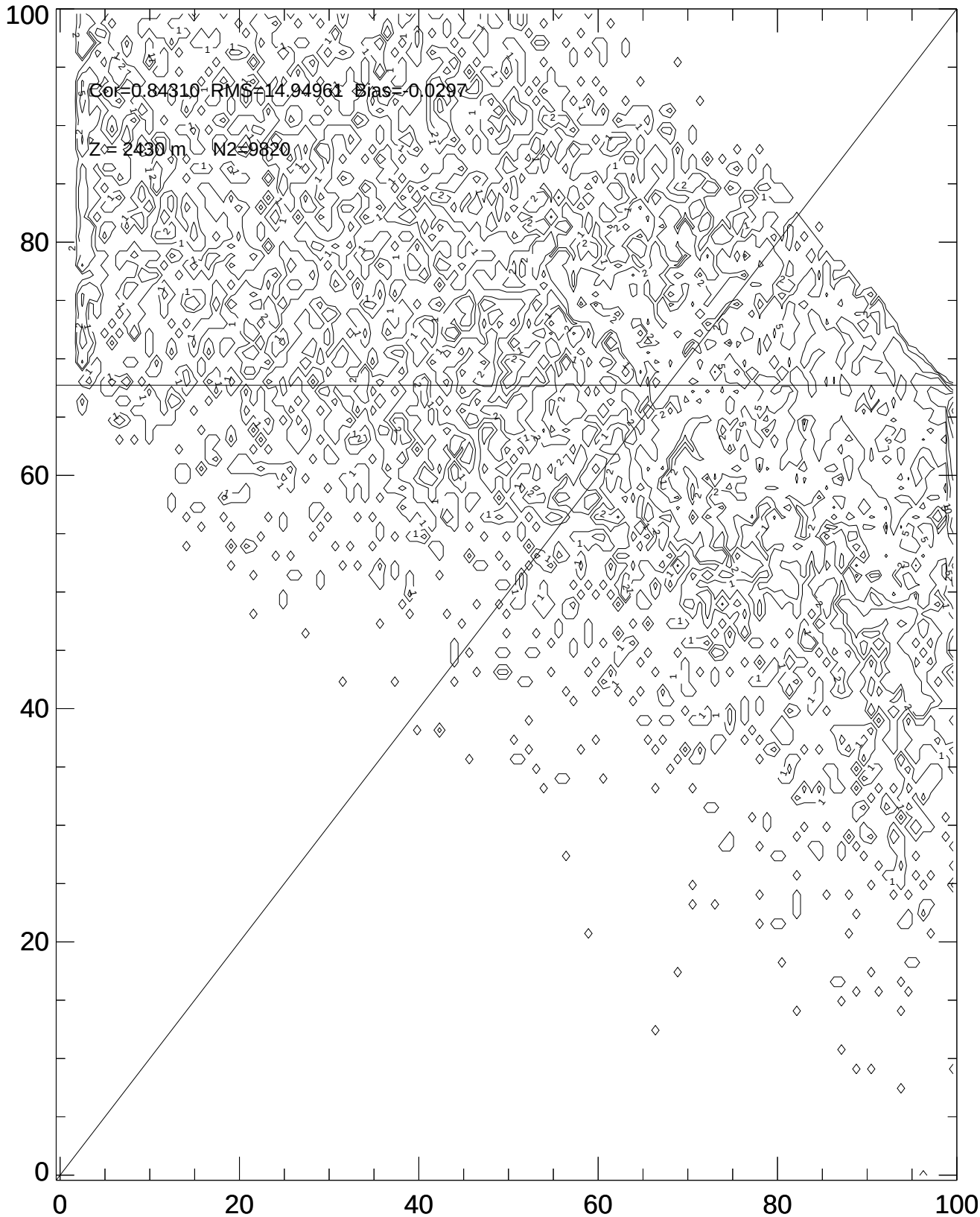

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

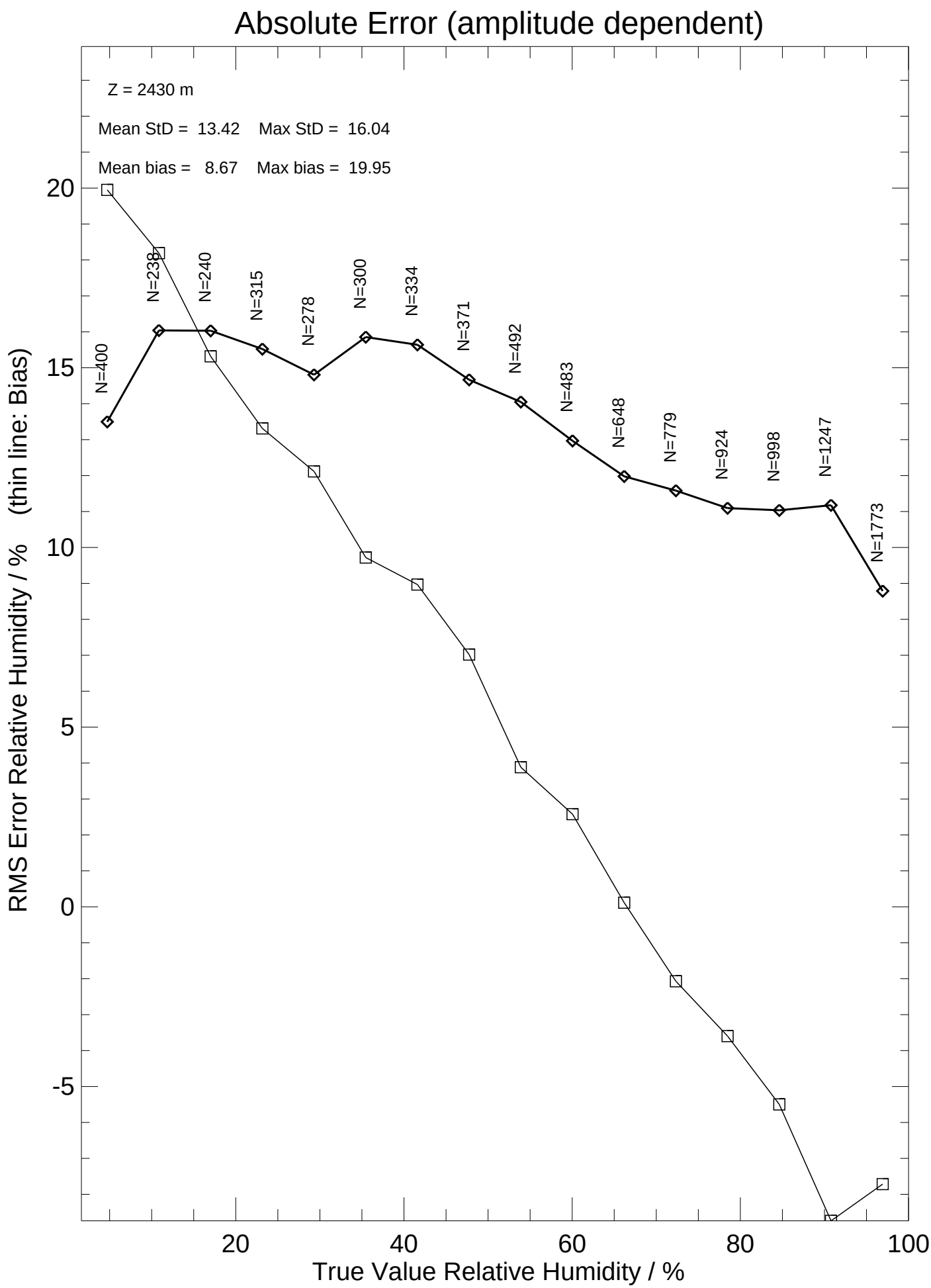

Cor=0.83959 RMS=14.90558 Bias=-0.0844
Z = 2350 m N2=9820
0
20
40
60
80
100
0
20
40
60
80
100

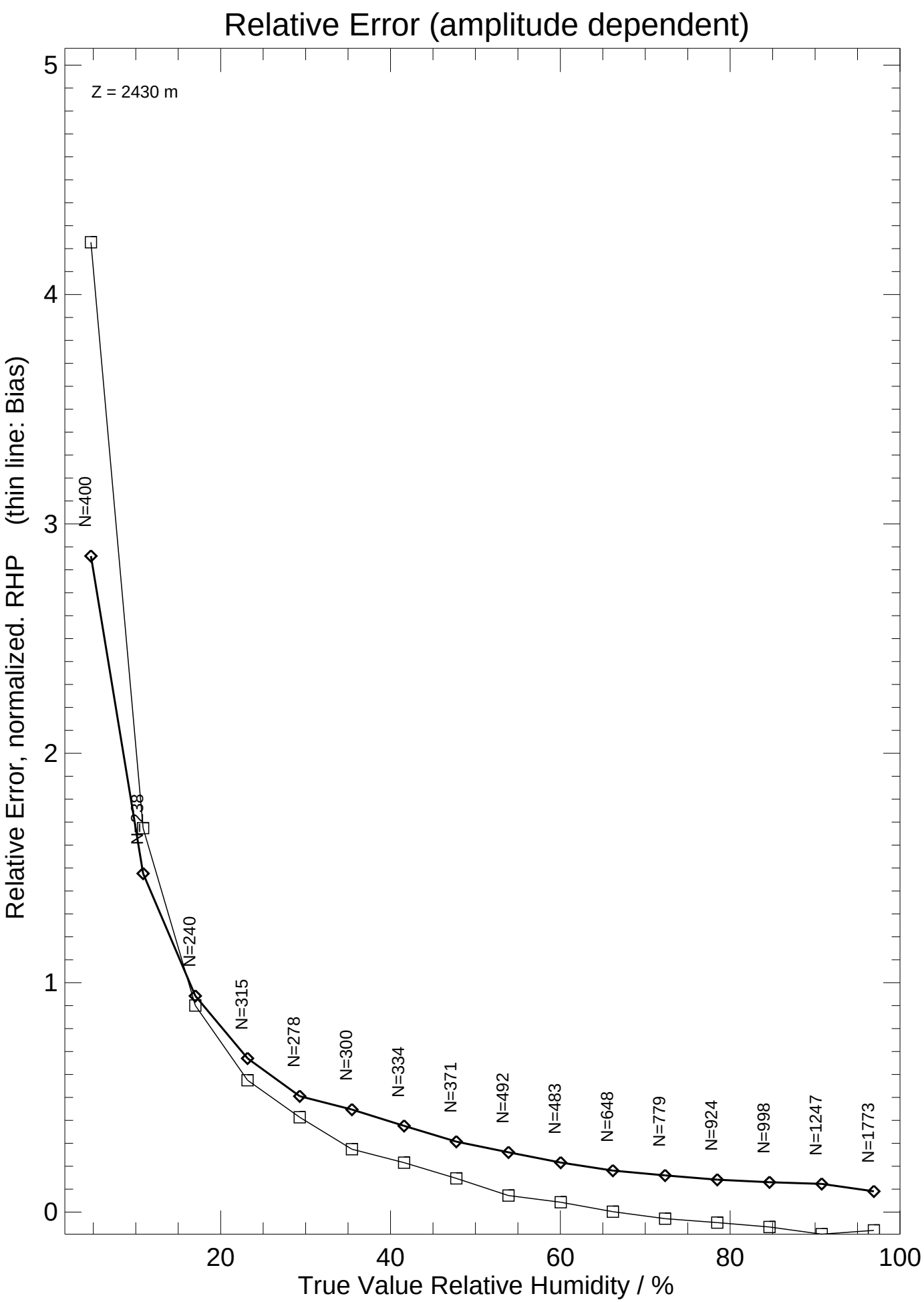

Absolute Error (amplitude dependent)
Z = 2350 m
Mean StD = 13.42 Max StD = 16.29
Mean bias = 9.10 Max bias = 20.50
N=365
N=228
N=228
N=293
N=272
N=286
N=327
N=360
N=477
N=502
N=624
N=769
N=927
N=1053
N=1263
N=1846
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

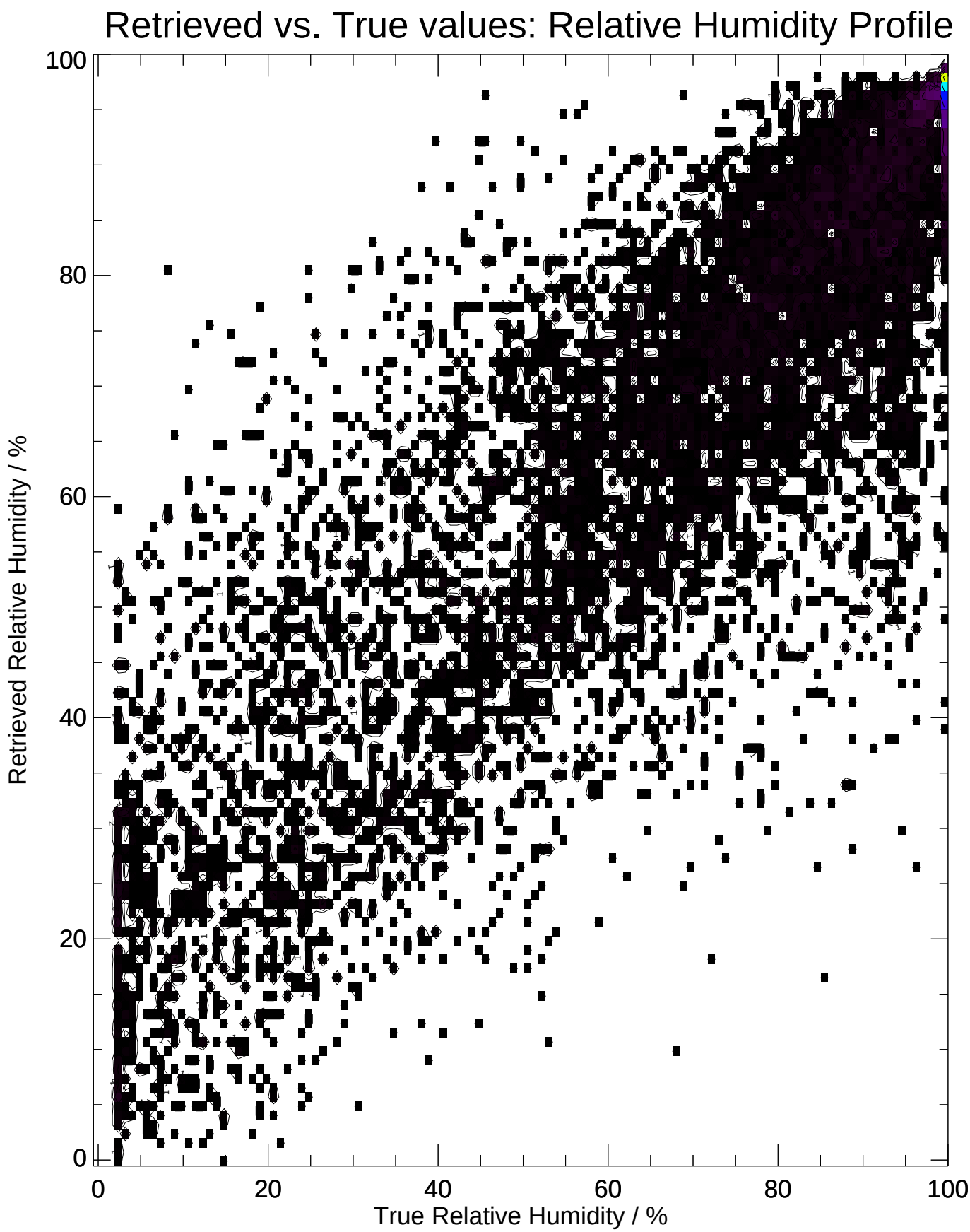

Relative Error (amplitude dependent)
Z = 2350 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=365
N=228
N=228
N=293
N=272
N=286
N=327
N=360
N=477
N=502
N=624
N=769
N=927
N=1053
N=1263
N=1846

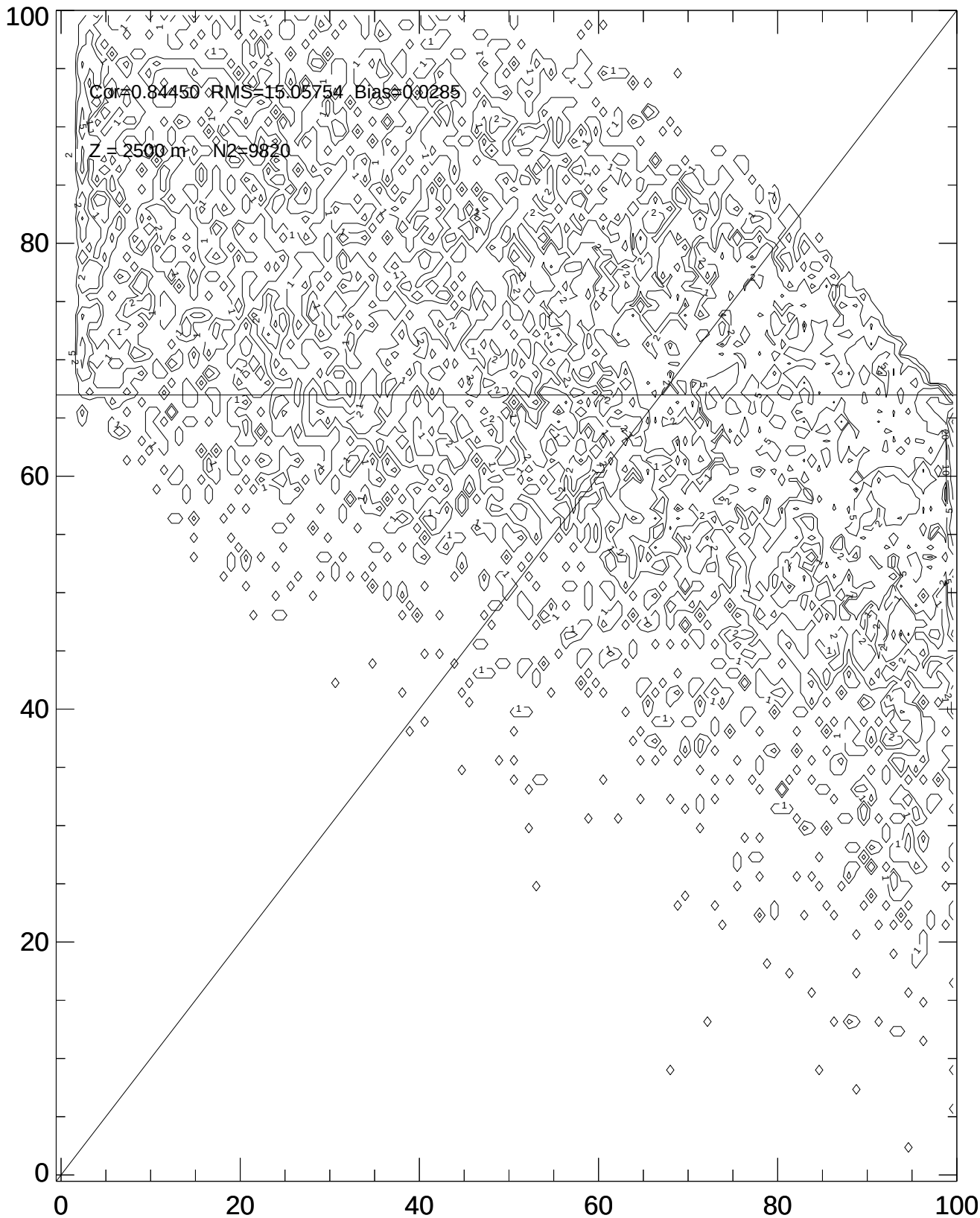

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

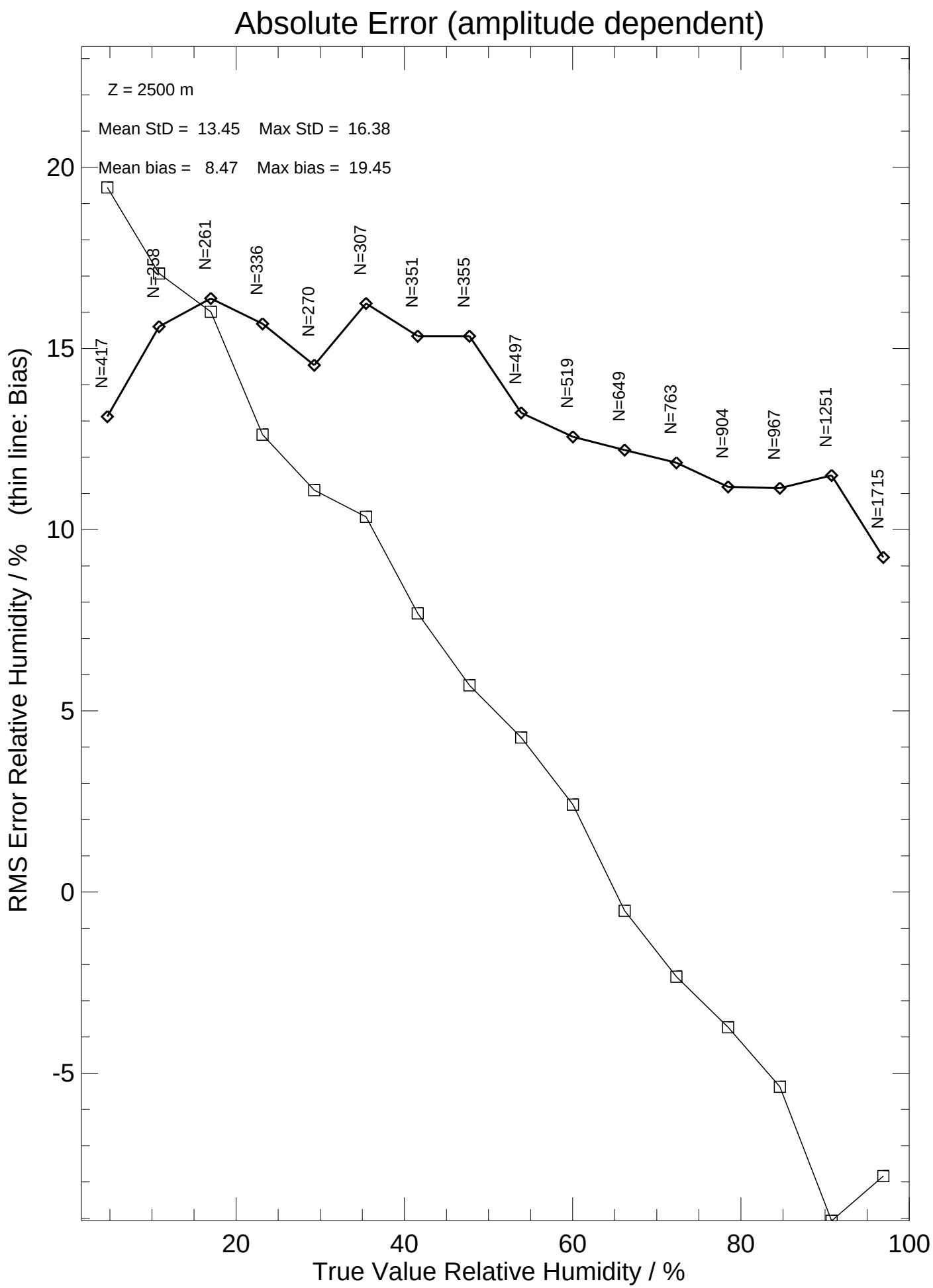

Cor=0.84310 RMS=14.94961 Bias=-0.0297
Z= 2430 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

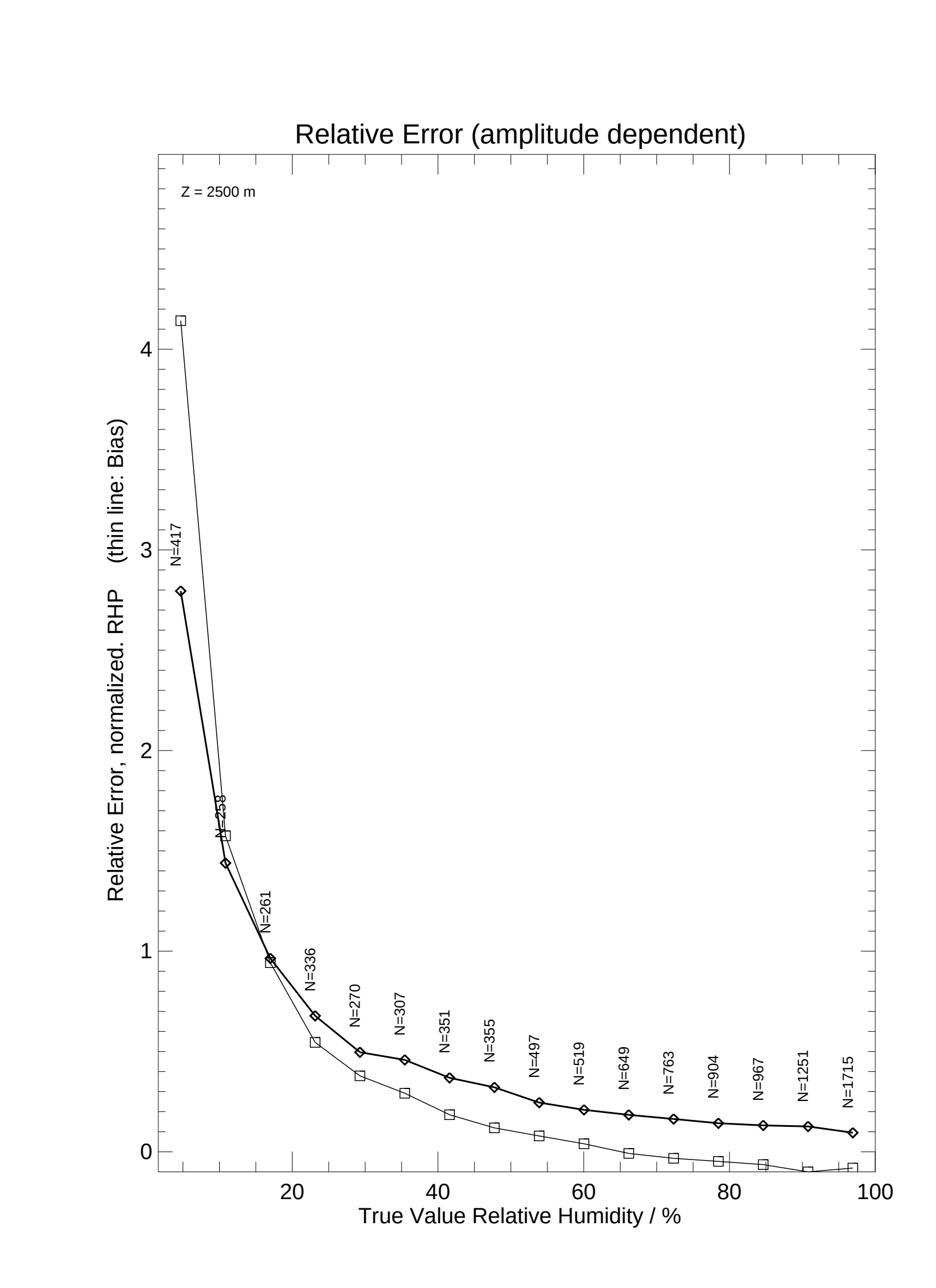

Absolute Error (amplitude dependent)
Z = 2430 m
Mean StD = 13.42 Max StD = 16.04
Mean bias = 8.67 Max bias = 19.95
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100
N=400
N=238
N=240
N=315
N=278
N=300
N=334
N=371
N=492
N=483
N=648
N=779
N=924
N=998
N=1247
N=1773

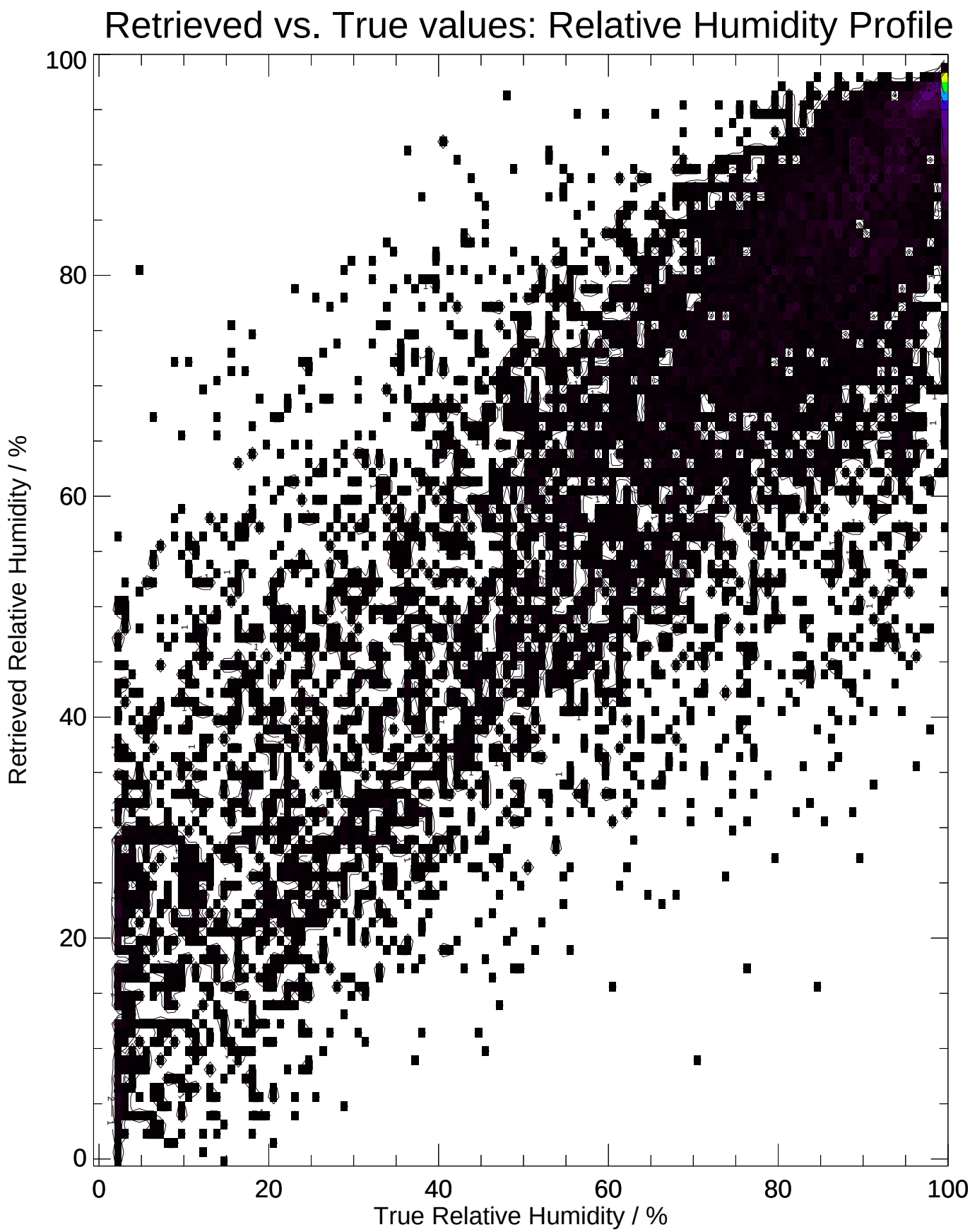

Relative Error (amplitude dependent)
Z = 2430 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
20
40
60
80
100
N=400
N=238
N=240
N=315
N=278
N=300
N=334
N=371
N=492
N=483
N=648
N=779
N=924
N=998
N=1247
N=1773

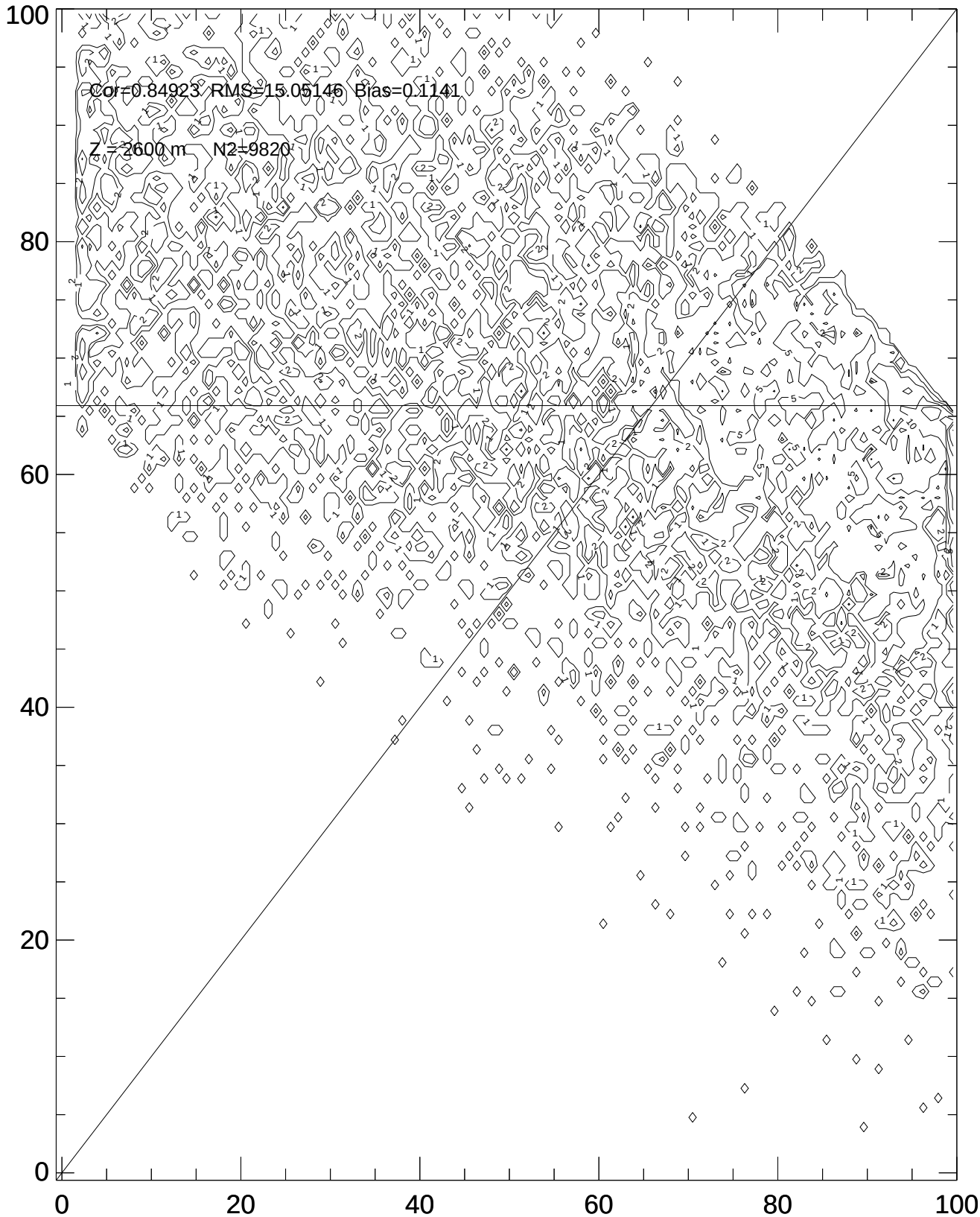

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

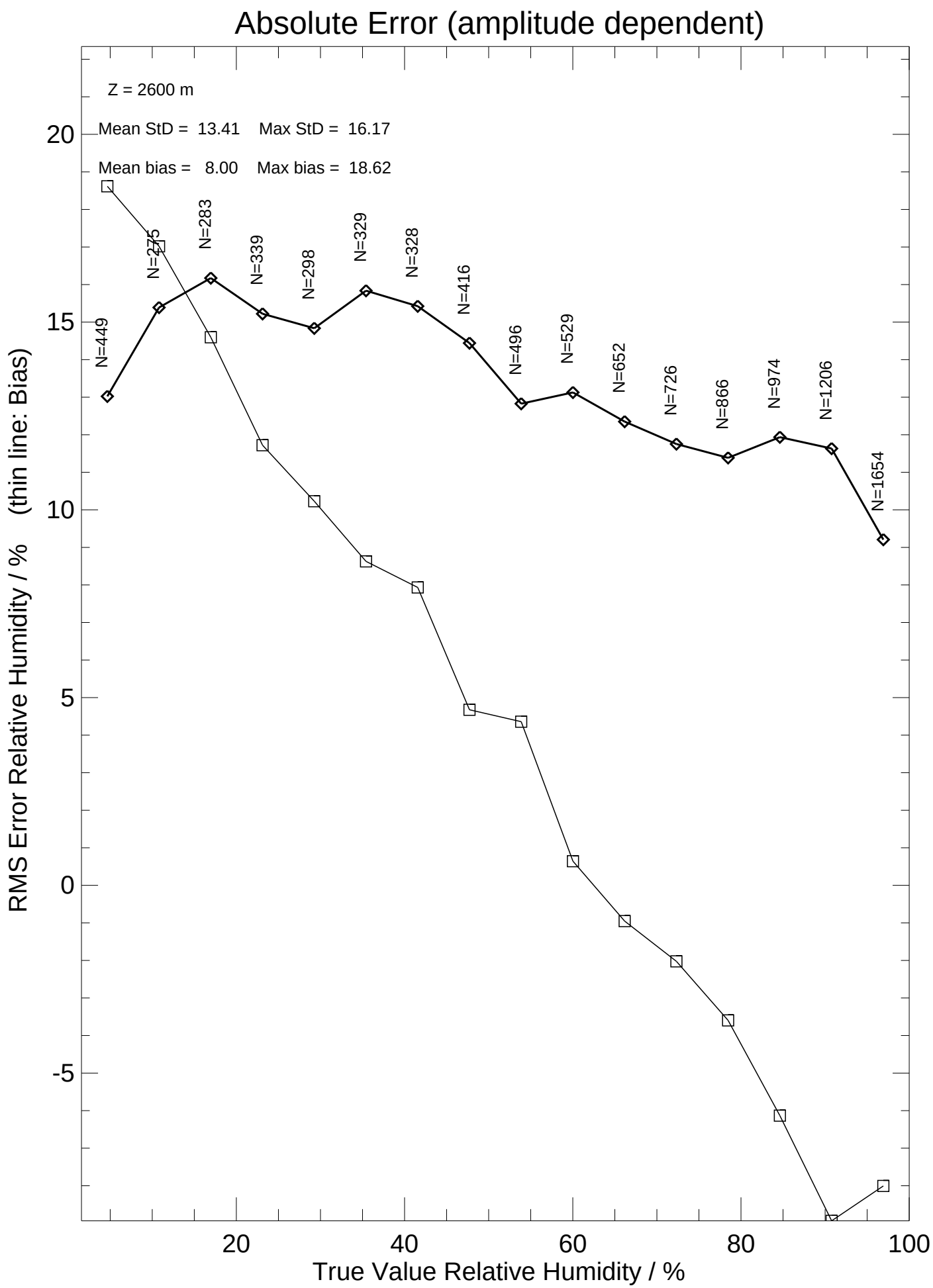

Cor=0.84450 RMS=15.05754 Bias=0.0285
Z = 2500 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

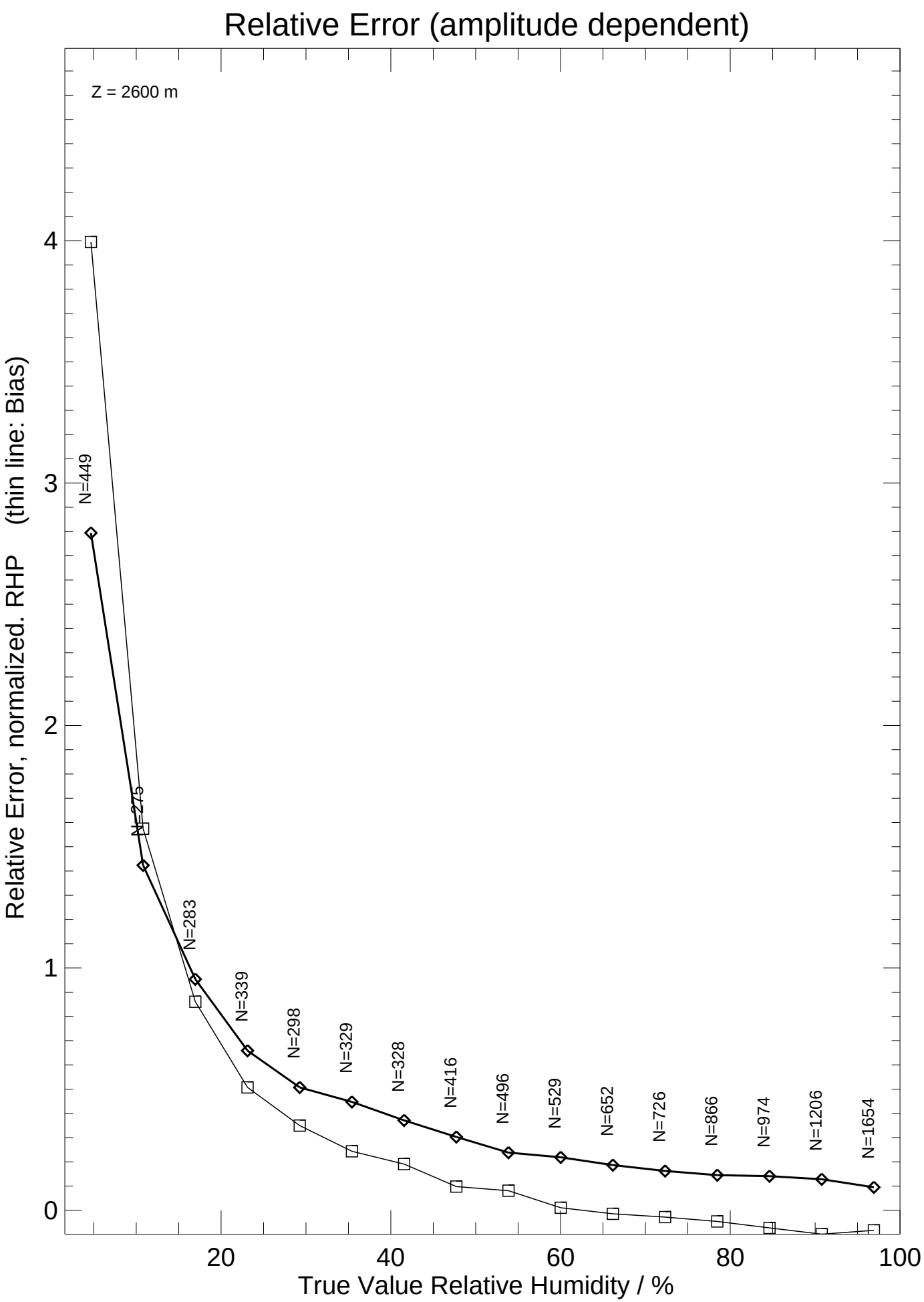

Absolute Error (amplitude dependent)
Z = 2500 m
Mean StD = 13.45 Max StD = 16.38
Mean bias = 8.47 Max bias = 19.45
N=417
N=258
N=261
N=336
N=270
N=307
N=351
N=355
N=497
N=519
N=649
N=763
N=904
N=967
N=1251
N=1715
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

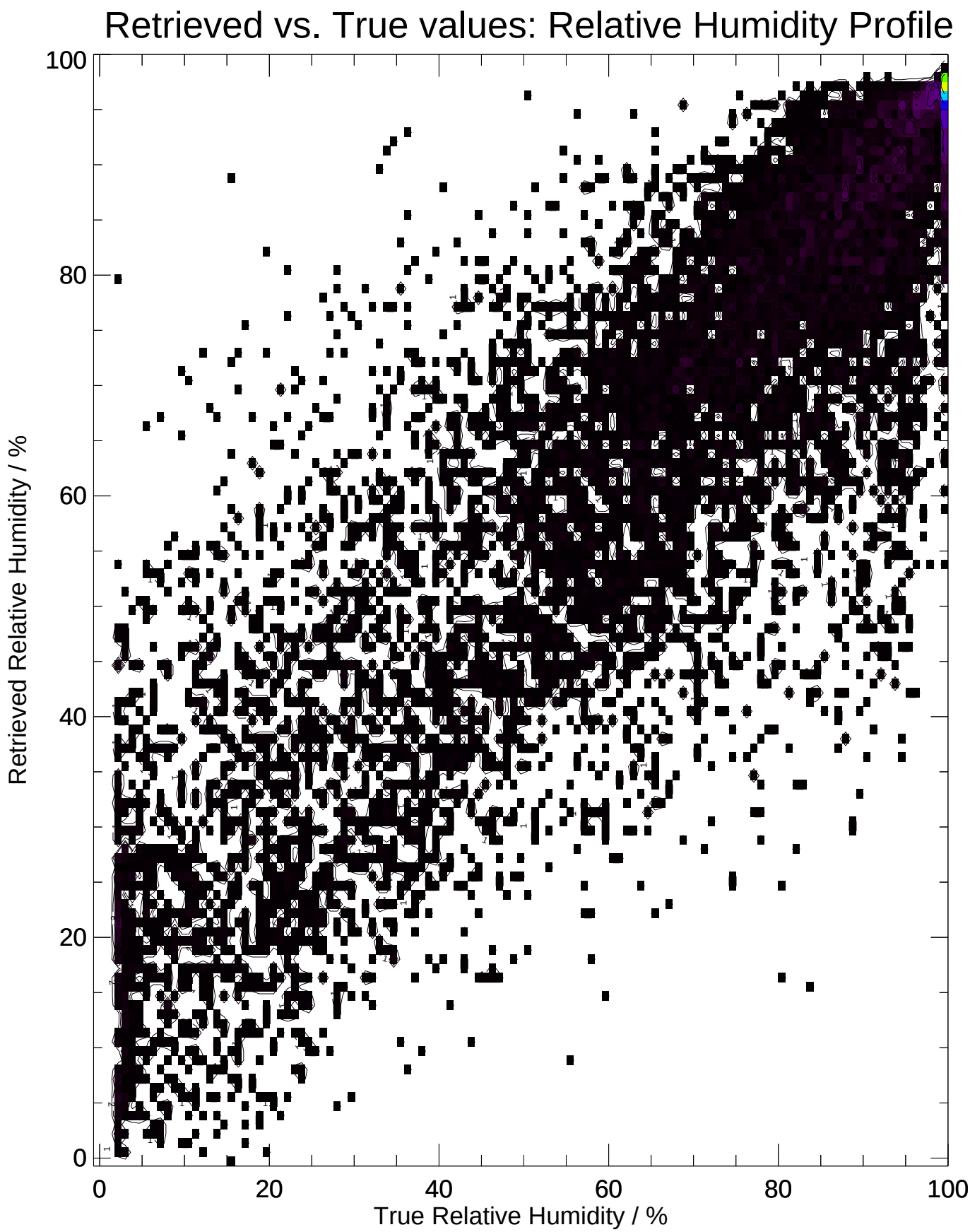

Relative Error (amplitude dependent)
Z = 2500 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=417
N=258
N=261
N=336
N=270
N=307
N=351
N=355
N=497
N=519
N=649
N=763
N=904
N=967
N=1251
N=1715

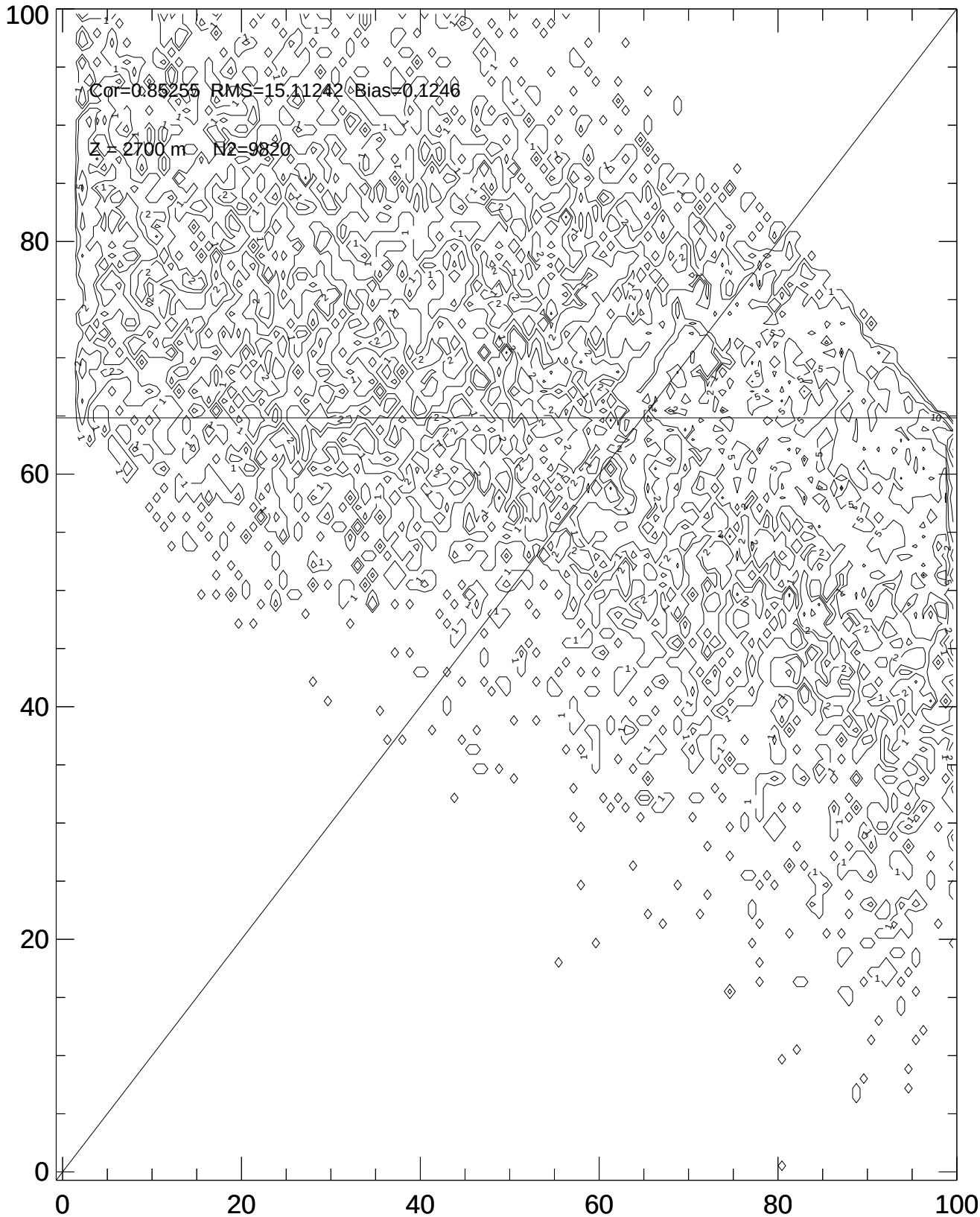

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

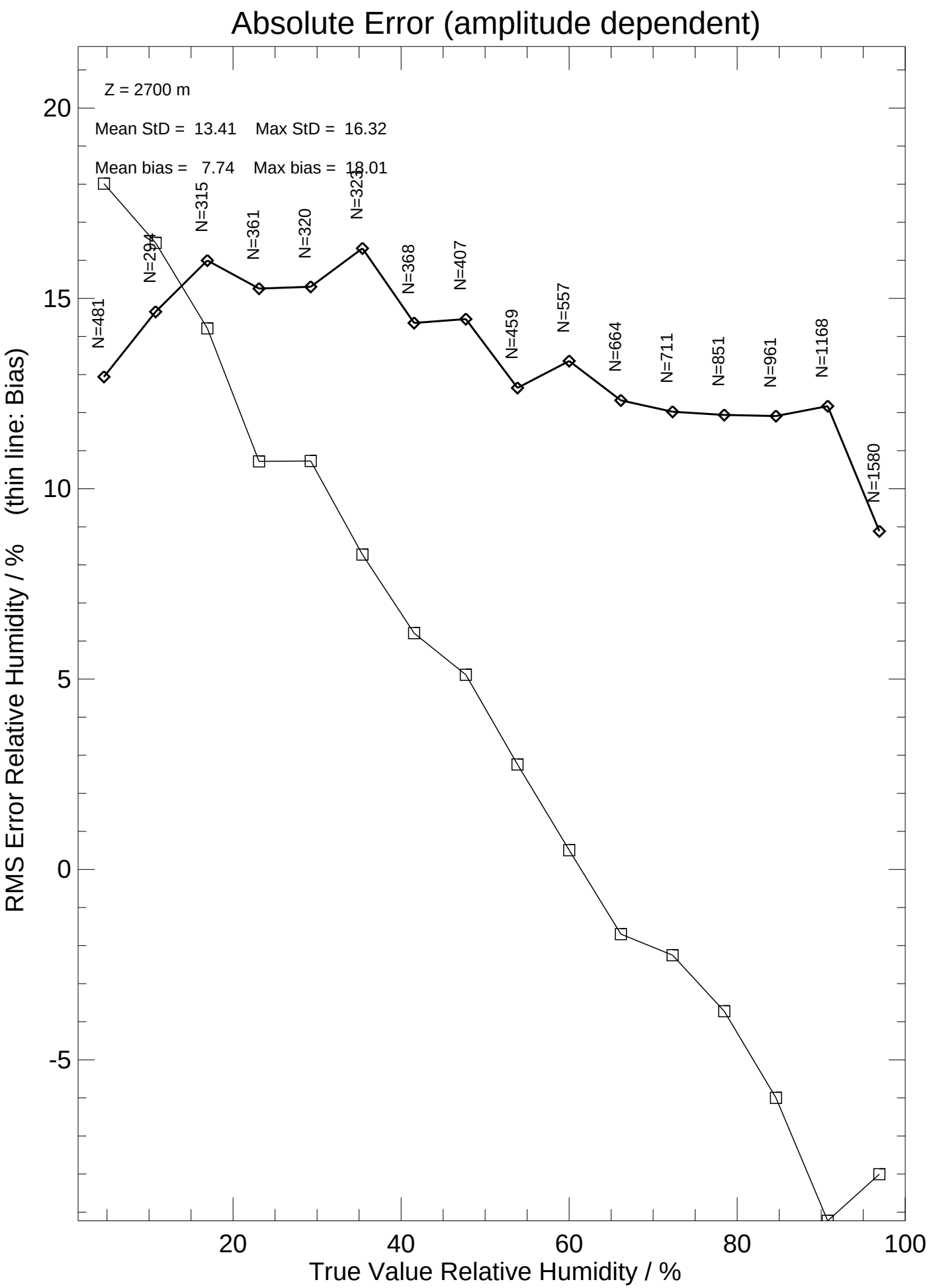

Cor=0.84923 RMS=15.05146 Bias=0.1141
Z =2600 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

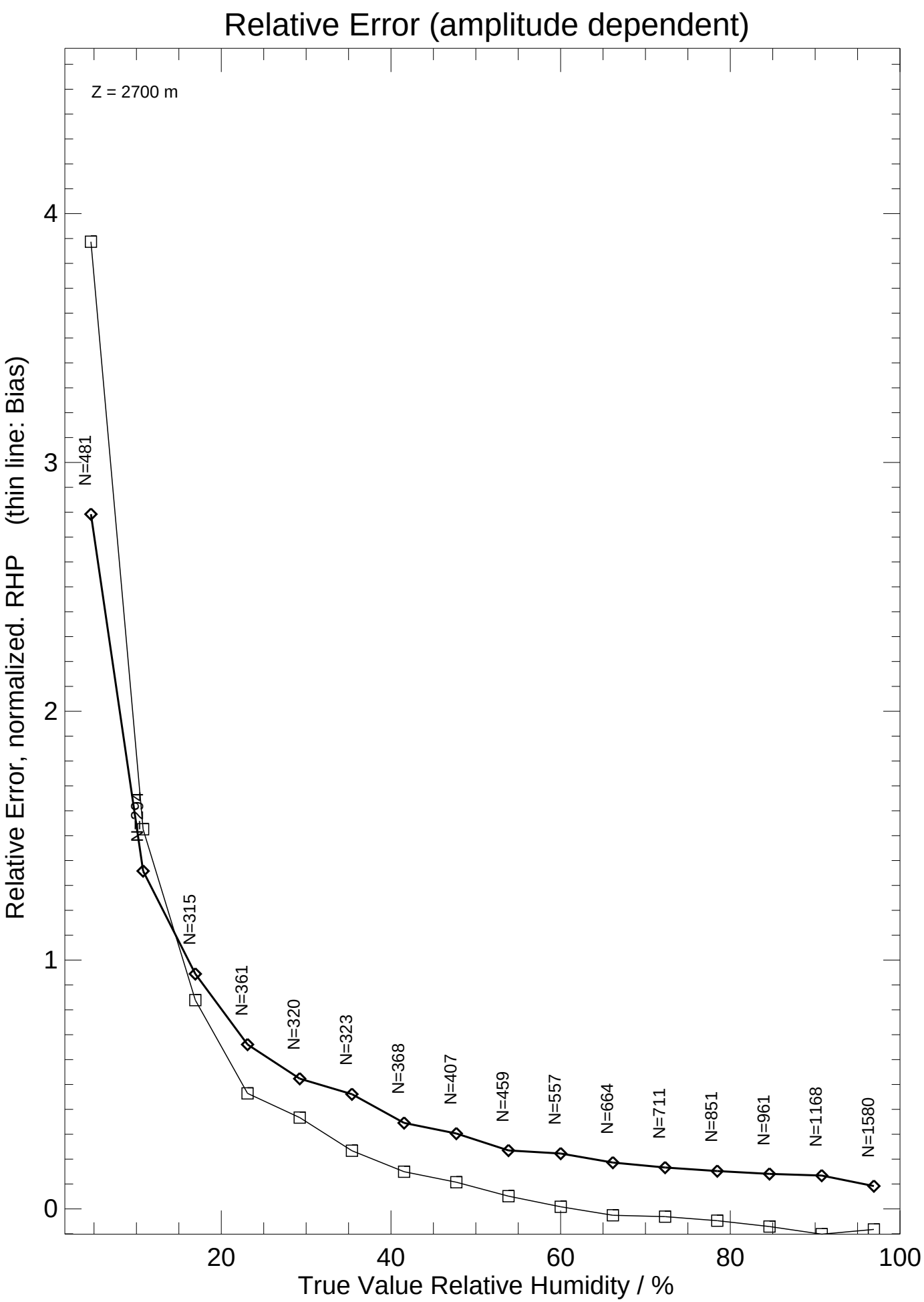

Absolute Error (amplitude dependent)
Z = 2600 m
Mean StD = 13.41 Max StD = 16.17
Mean bias = 8.00 Max bias = 18.62
N=449
N=275
N=283
N=339
N=298
N=329
N=328
N=416
N=496
N=529
N=652
N=726
N=866
N=974
N=1206
N=1654
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

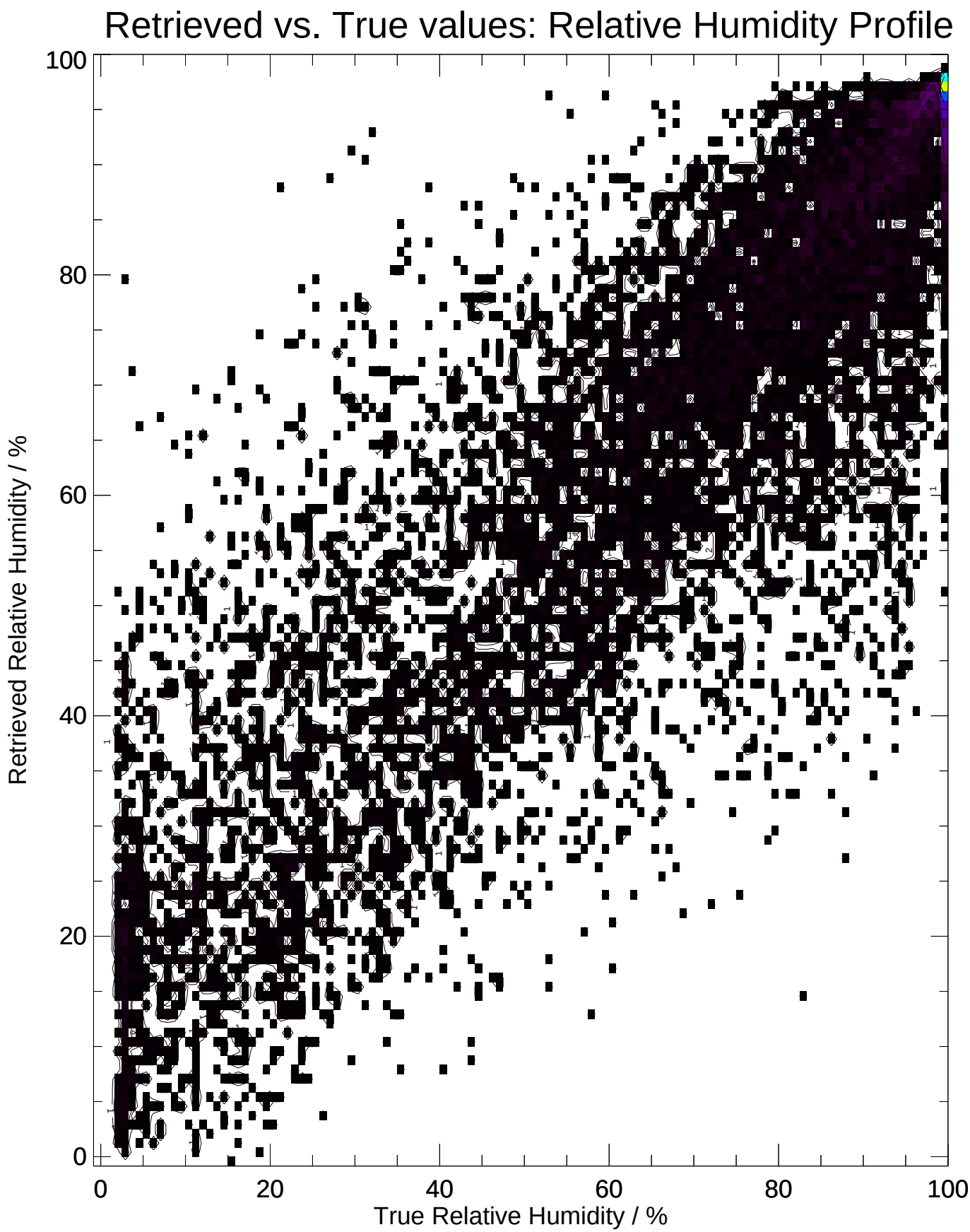

Relative Error (amplitude dependent)
Z = 2600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=449
N=275
N=283
N=339
N=298
N=329
N=328
N=416
N=496
N=529
N=652
N=726
N=866
N=974
N=1206
N=1654

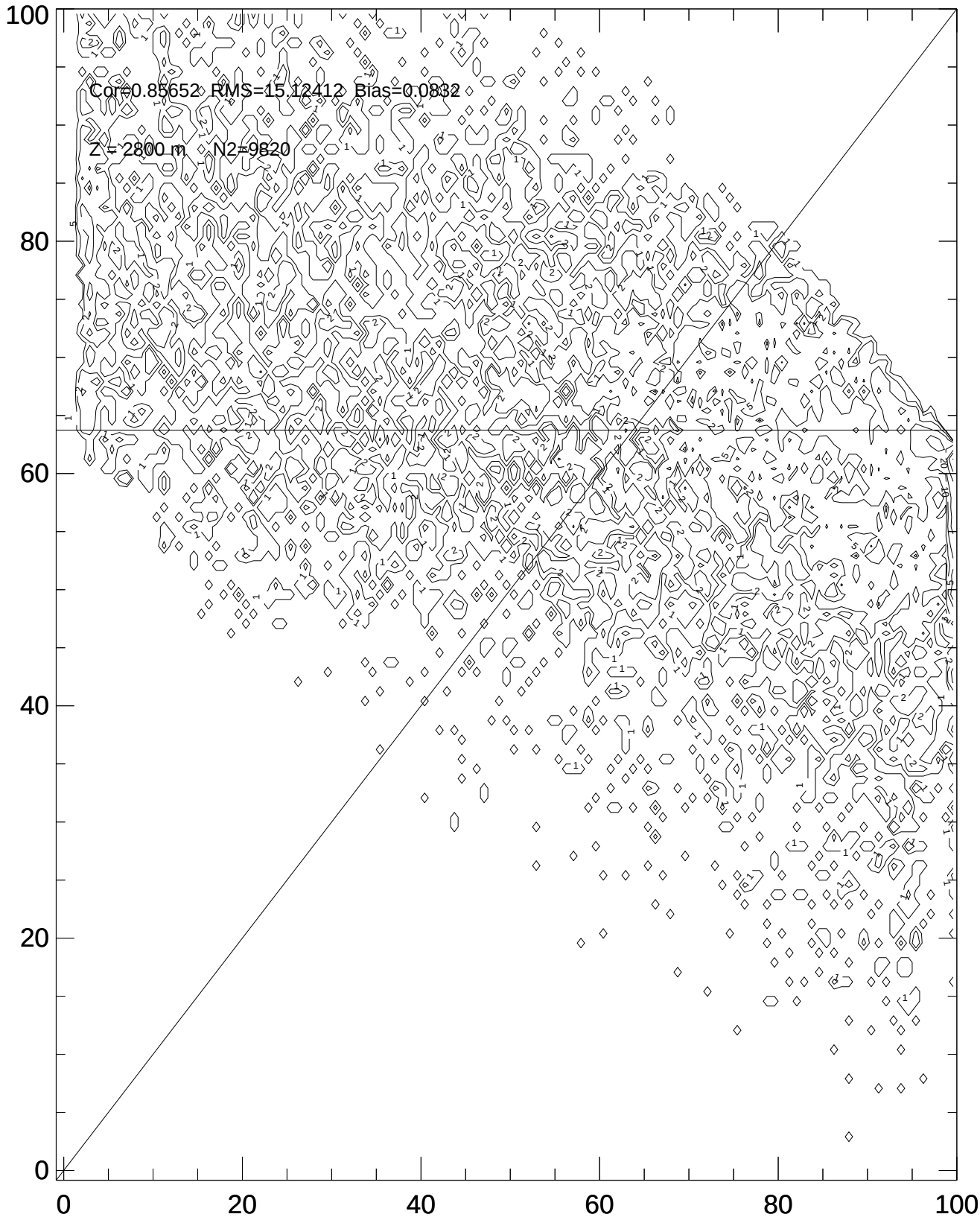

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

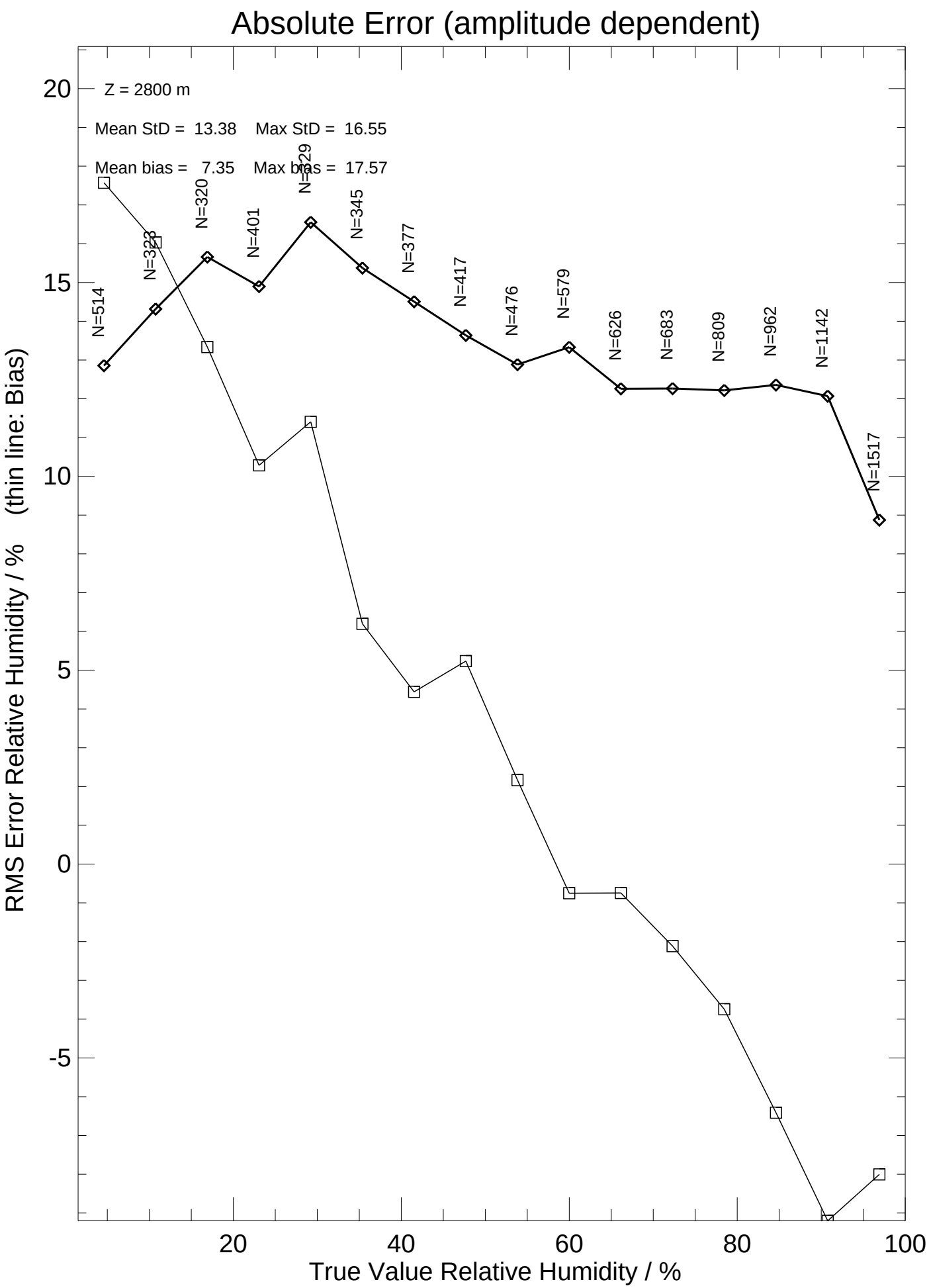

Cor=0.85255 RMS=15.11242 Bias=0.1246
Z = 2700 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

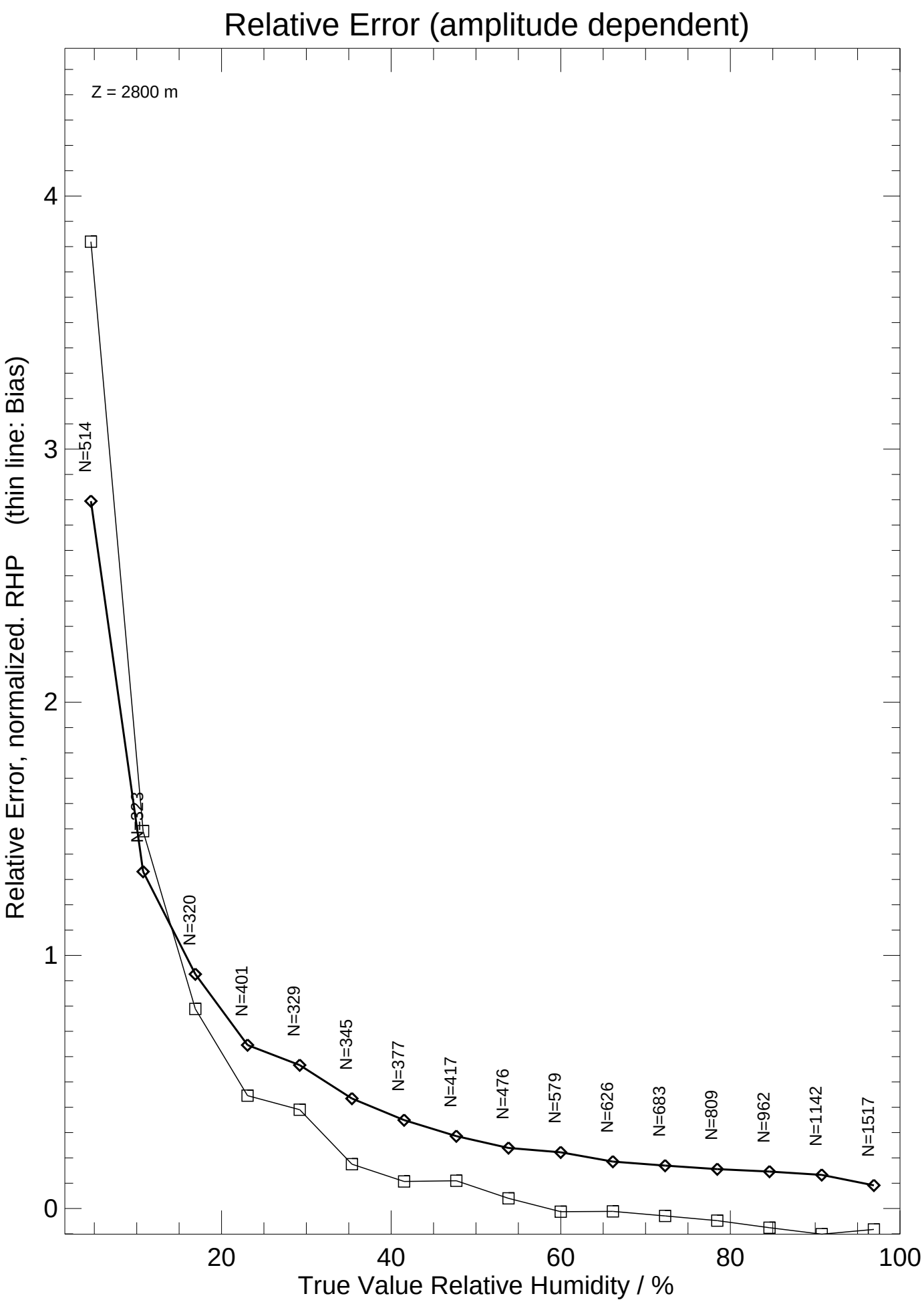

Absolute Error (amplitude dependent)
Z = 2700 m
Mean StD = 13.41 Max StD = 16.32
Mean bias = 7.74 Max bias = 18.01
N=481
N=294
N=315
N=361
N=320
N=323
N=368
N=407
N=459
N=557
N=664
N=711
N=851
N=961
N=1168
N=1580
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

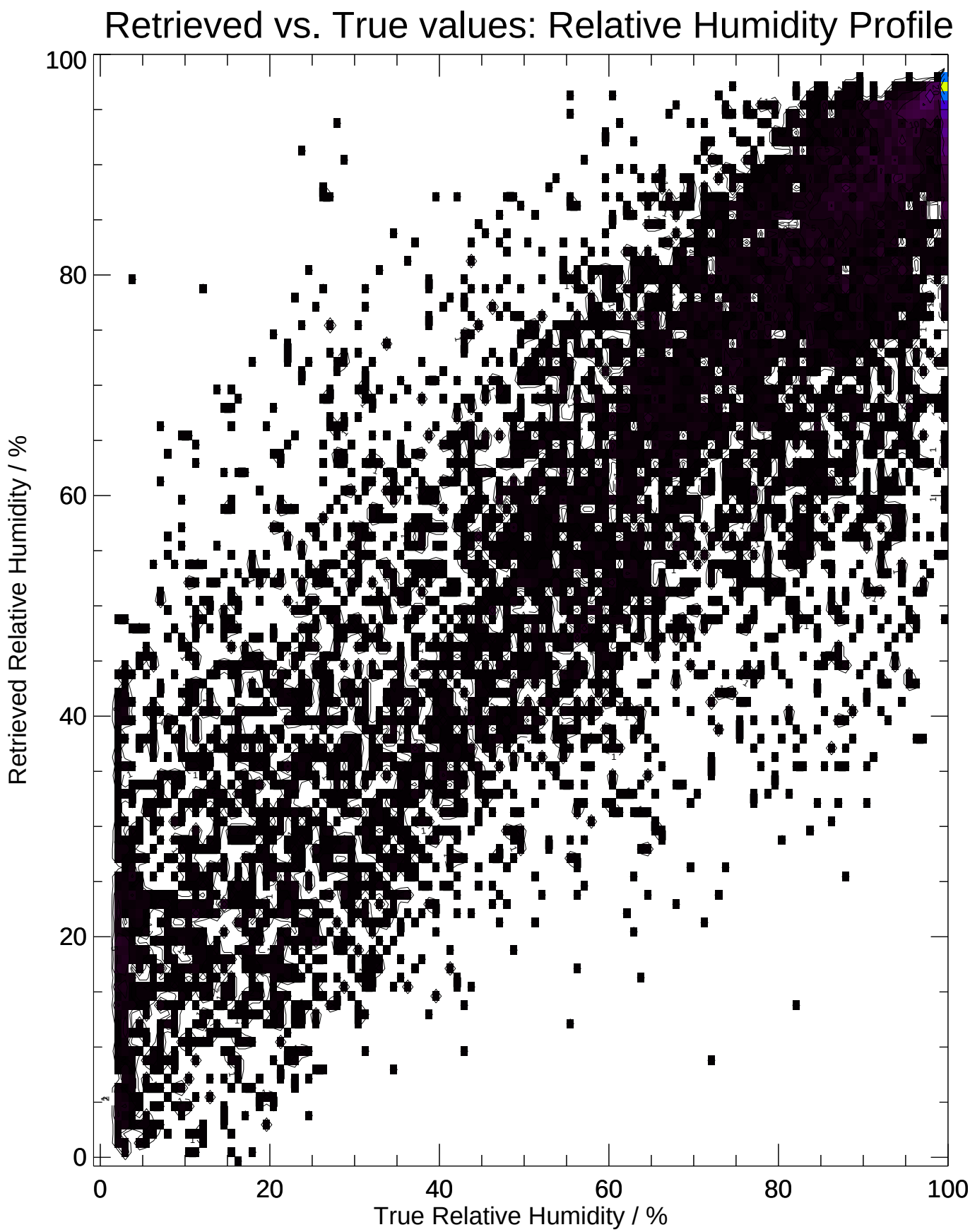

Relative Error (amplitude dependent)
Z = 2700 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=481
N=294
N=315
N=361
N=320
N=323
N=368
N=407
N=459
N=557
N=664
N=711
N=851
N=961
N=1168
N=1580

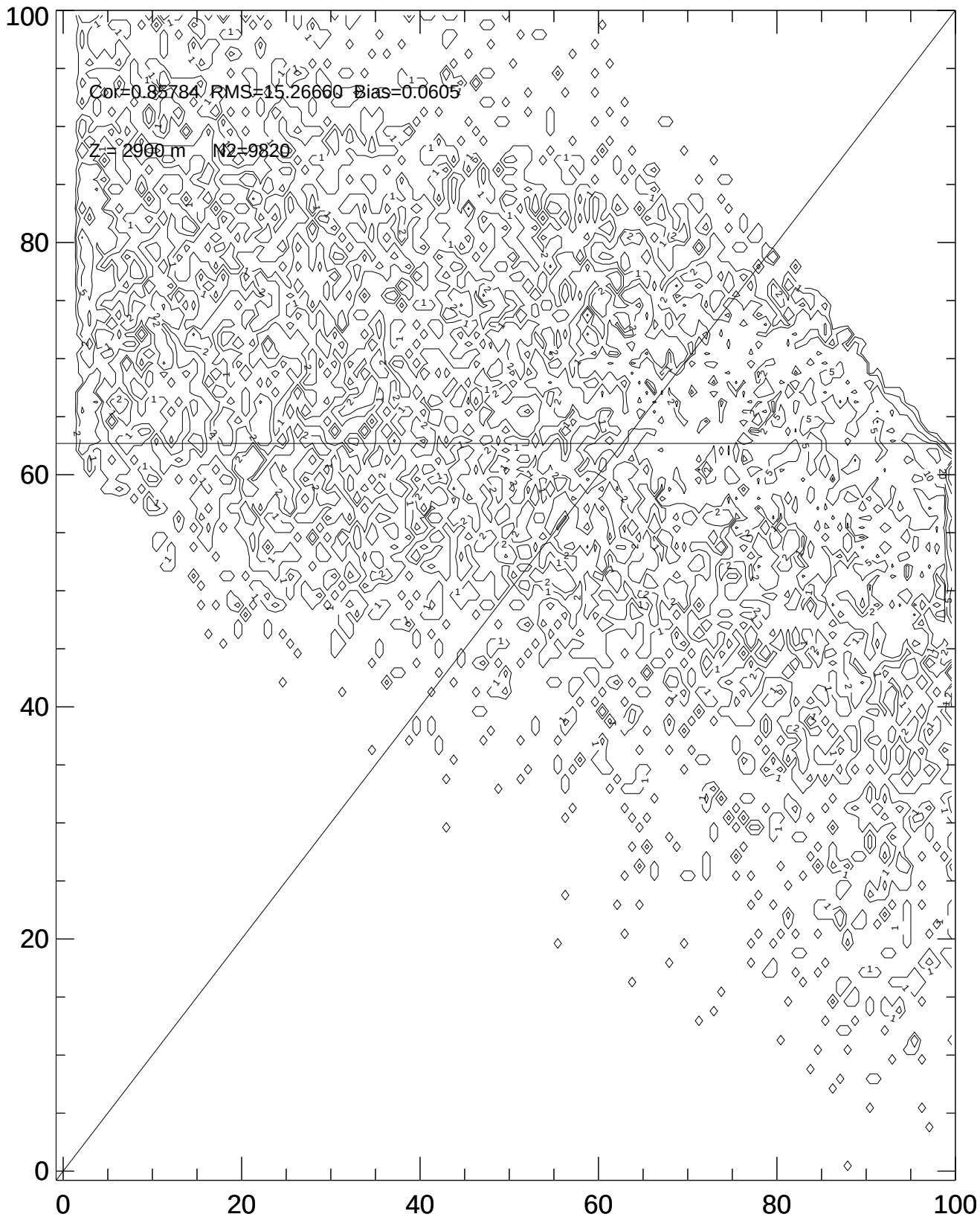

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

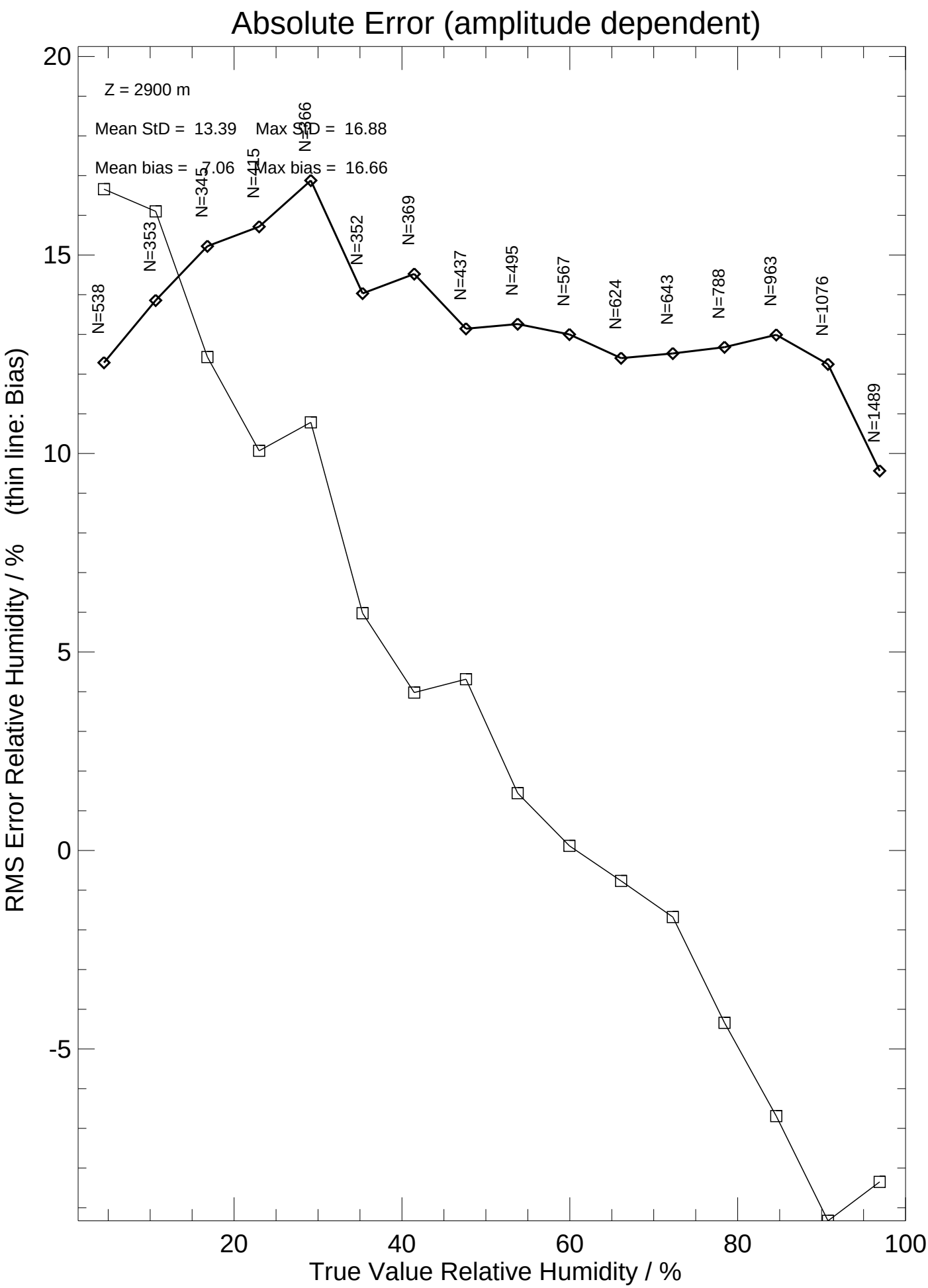

Cor=0.85652 RMS=15.12412 Bias=0.0832
Z = 2800 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

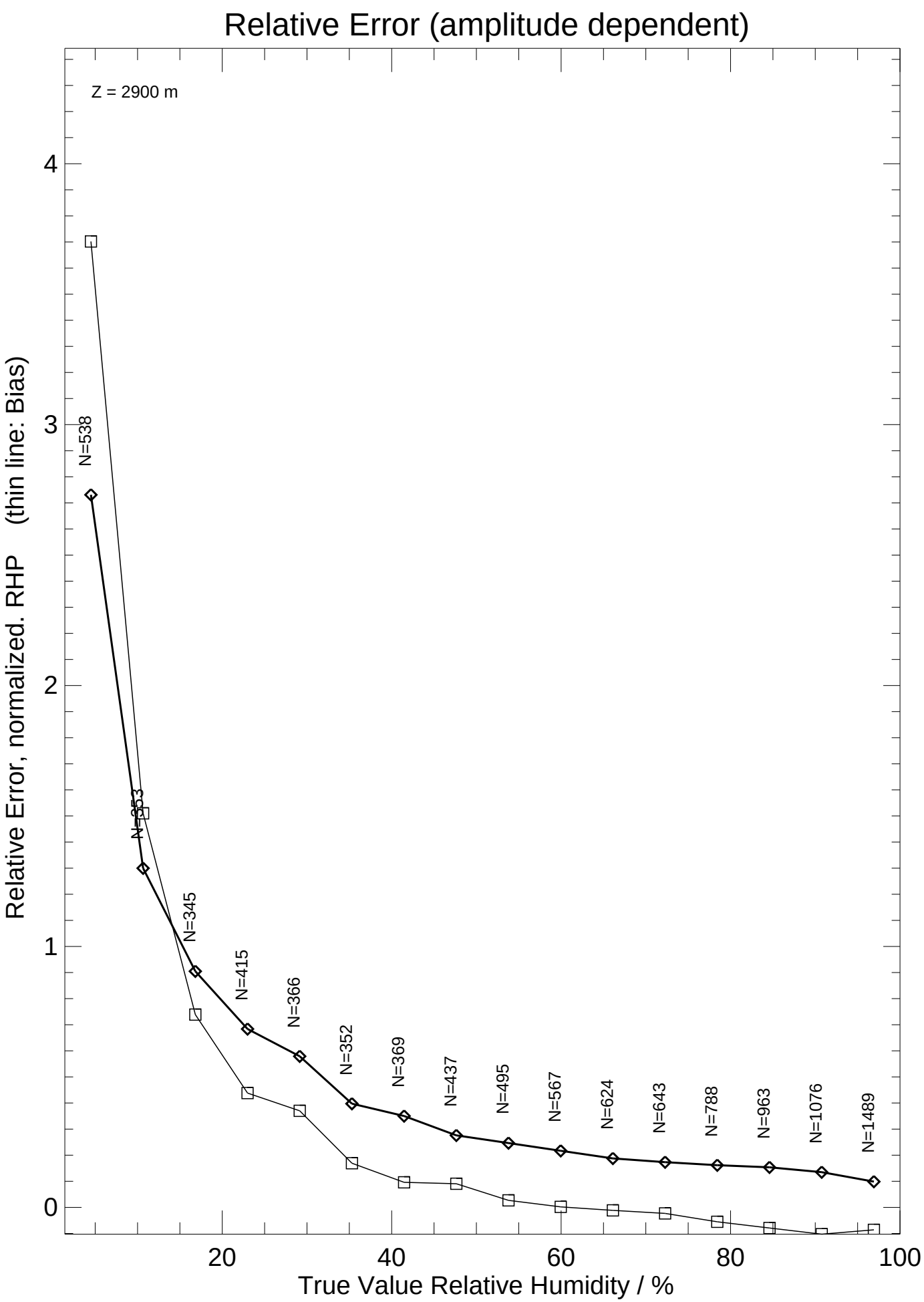

Absolute Error (amplitude dependent)
Z = 2800 m
Mean StD = 13.38 Max StD = 16.55
Mean bias = 7.35 Max bias = 17.57
N=514
N=323
N=320
N=401
N=529
N=345
N=377
N=417
N=476
N=579
N=626
N=683
N=809
N=962
N=1142
N=1517
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

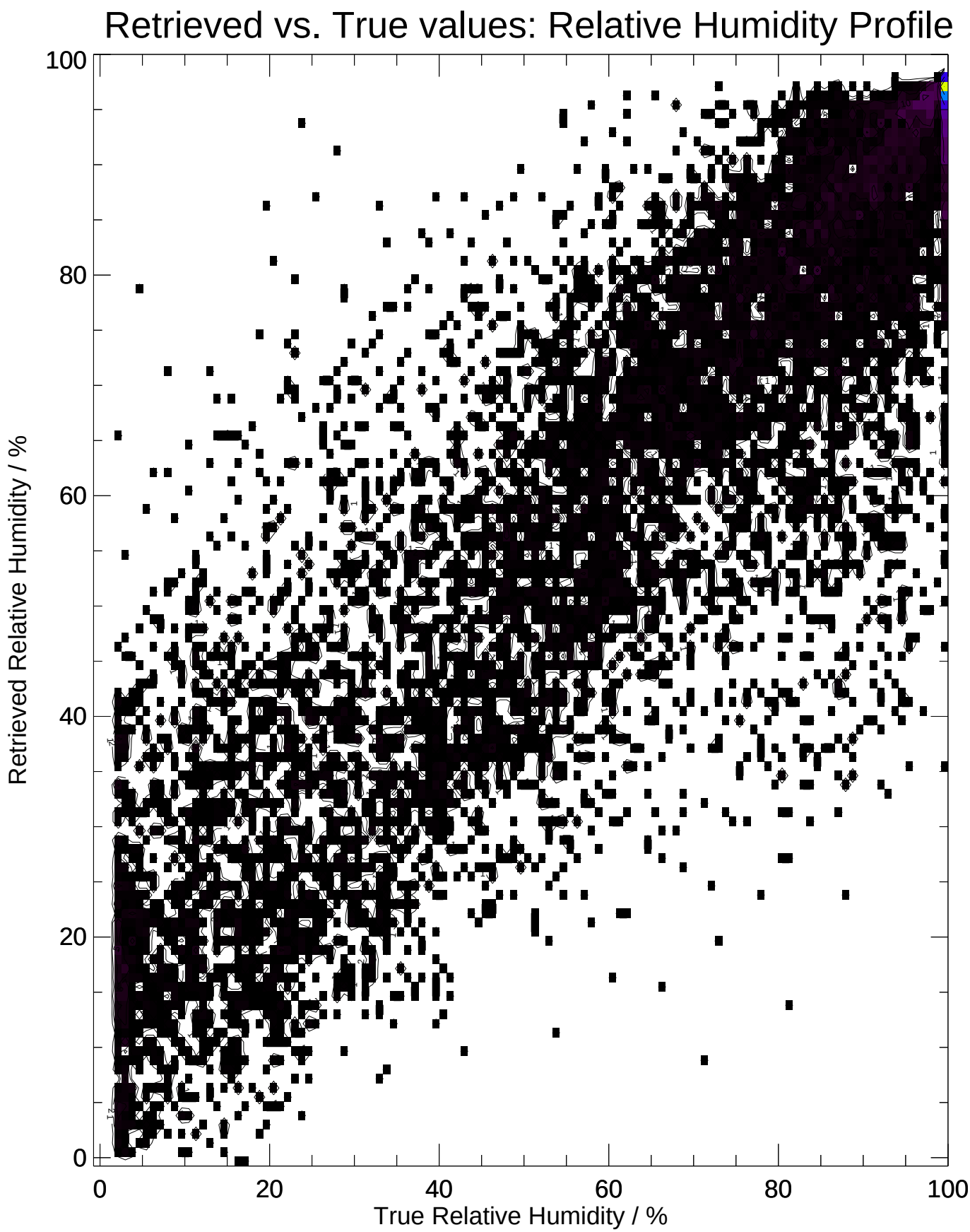

Relative Error (amplitude dependent)
Z = 2800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=514
N=323
N=320
N=401
N=329
N=345
N=377
N=417
N=476
N=579
N=626
N=683
N=809
N=962
N=1142
N=1517

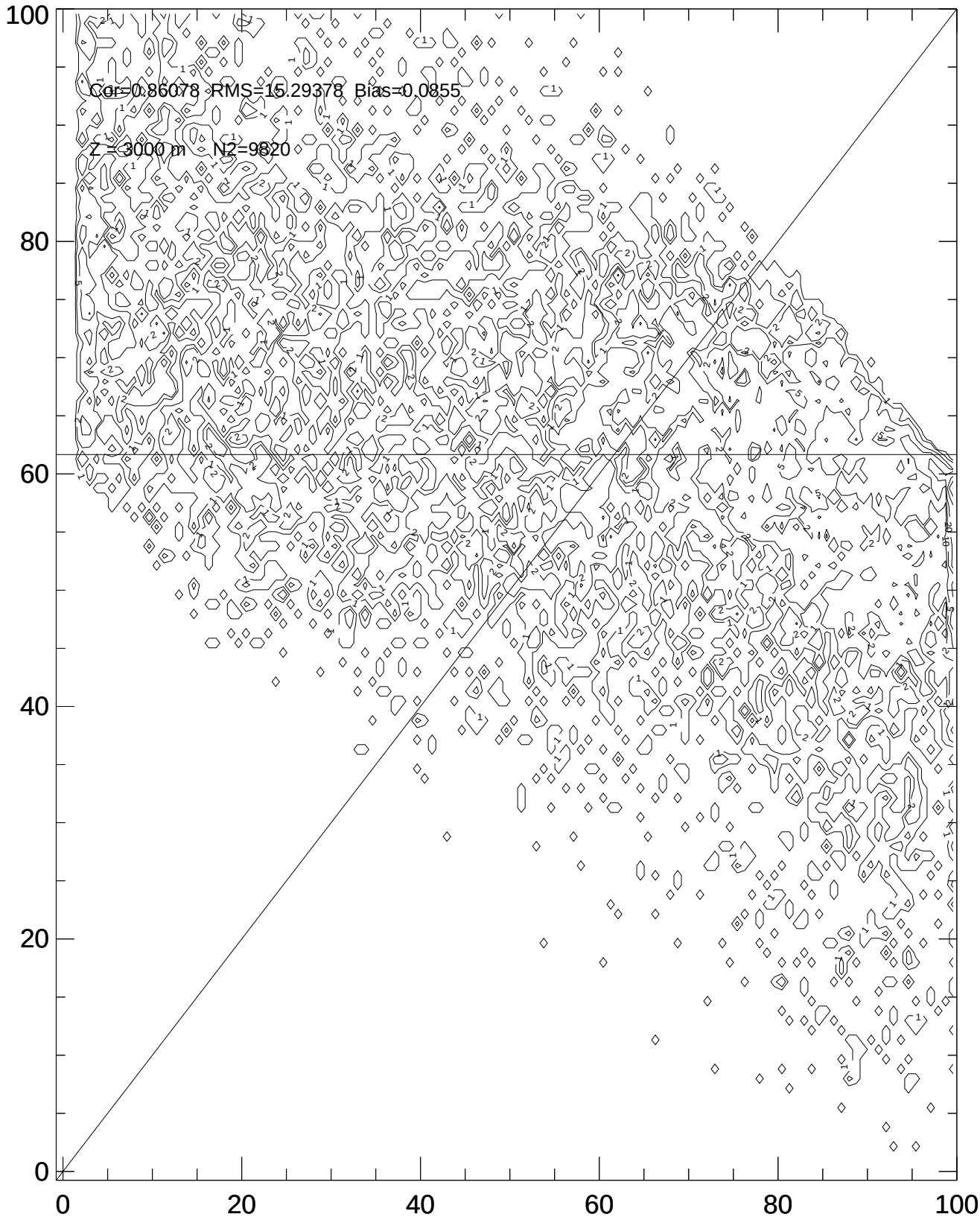

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

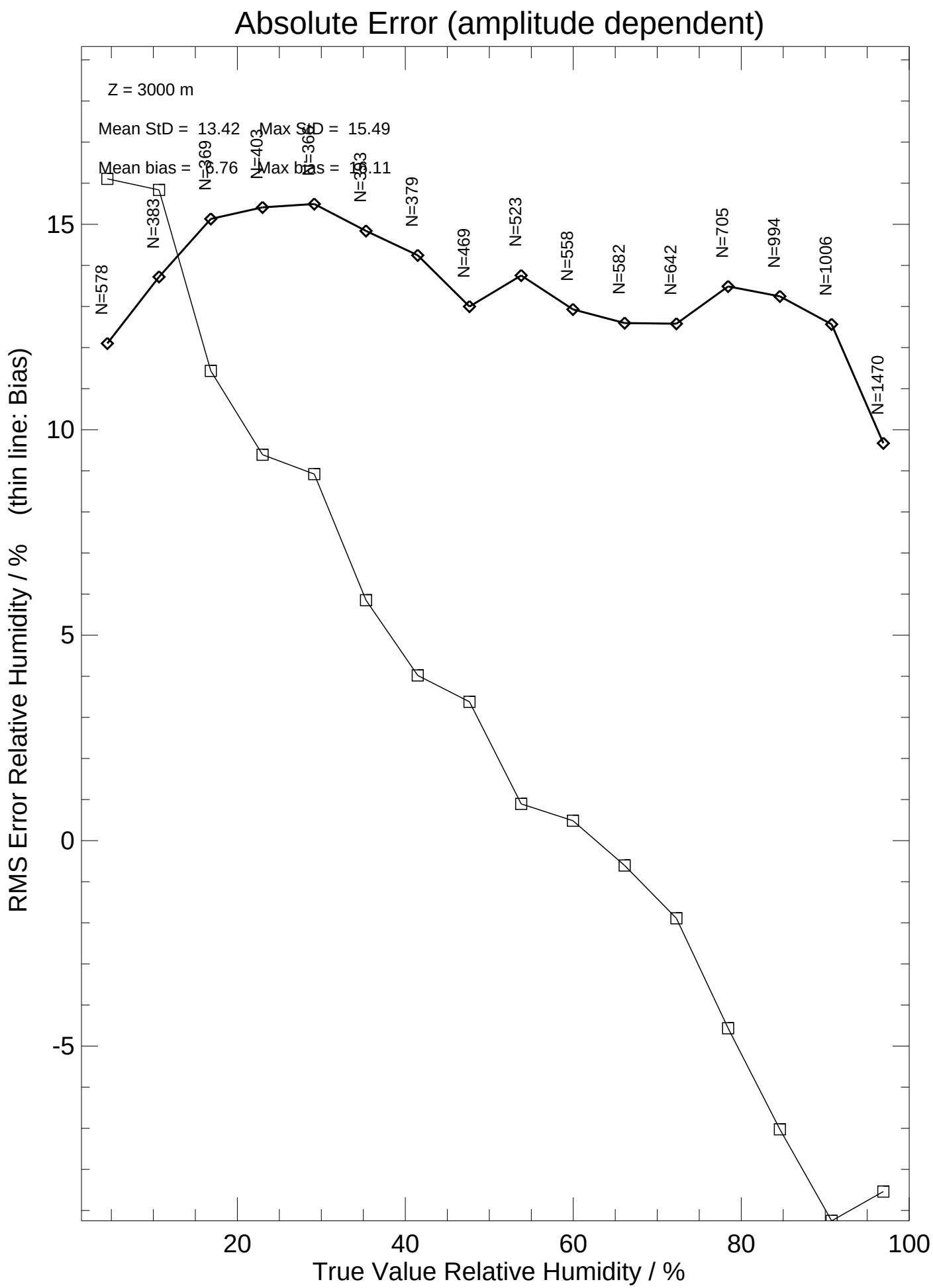

Cor=0.85784 RMS=15.26660 Bias=0.0605
Z = 2900 m N2=9820
0
20
40
60
80
100
0
20
40
60
80
100

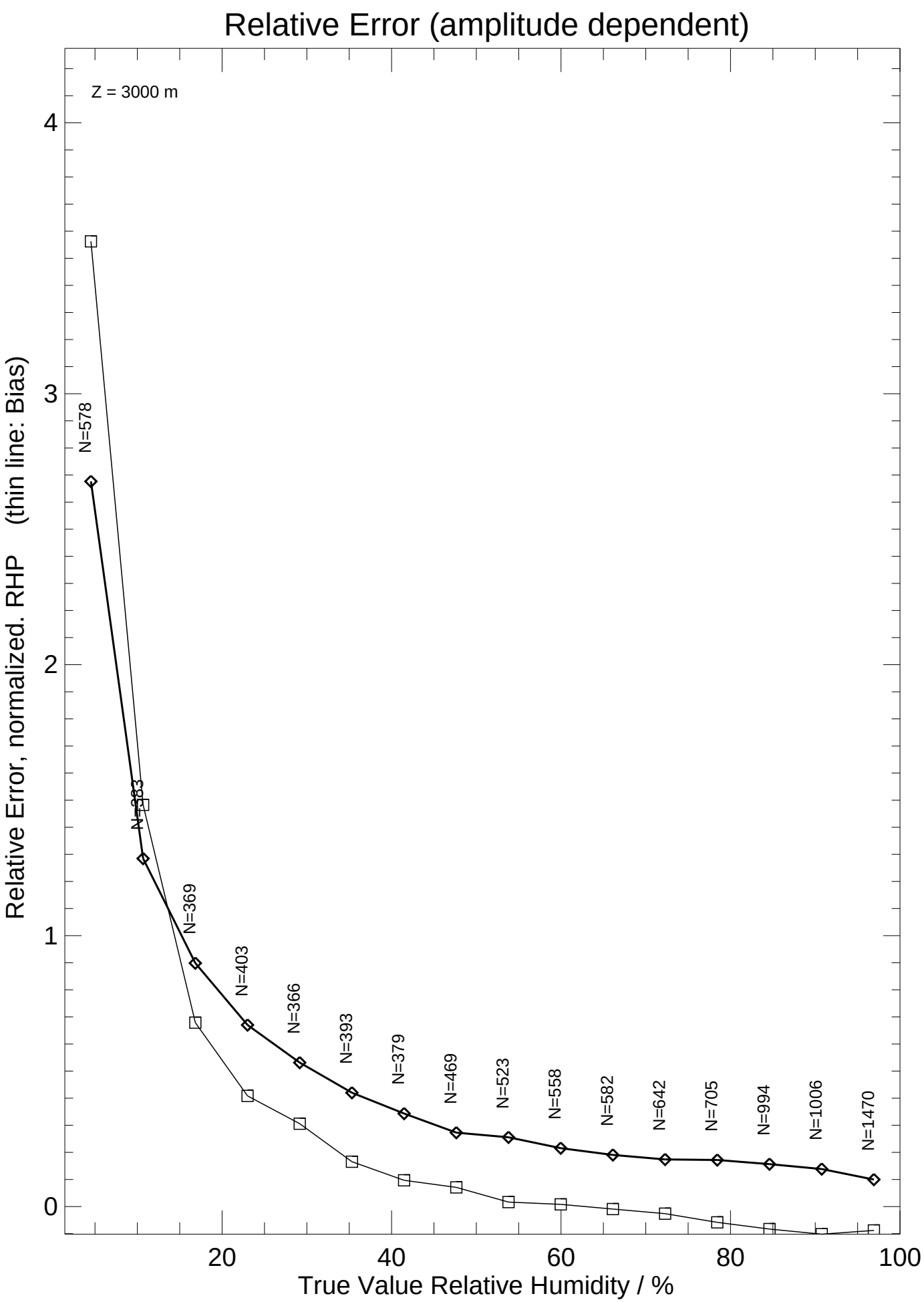

Absolute Error (amplitude dependent)
Z = 2900 m
Mean StD = 13.39 Max StD = 16.88
Mean bias = 7.06 Max bias = 16.66
N=538
N=353
N=345
N=415
N=366
N=352
N=369
N=437
N=495
N=567
N=624
N=643
N=788
N=963
N=1076
N=1489
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
20
40
60
80
100

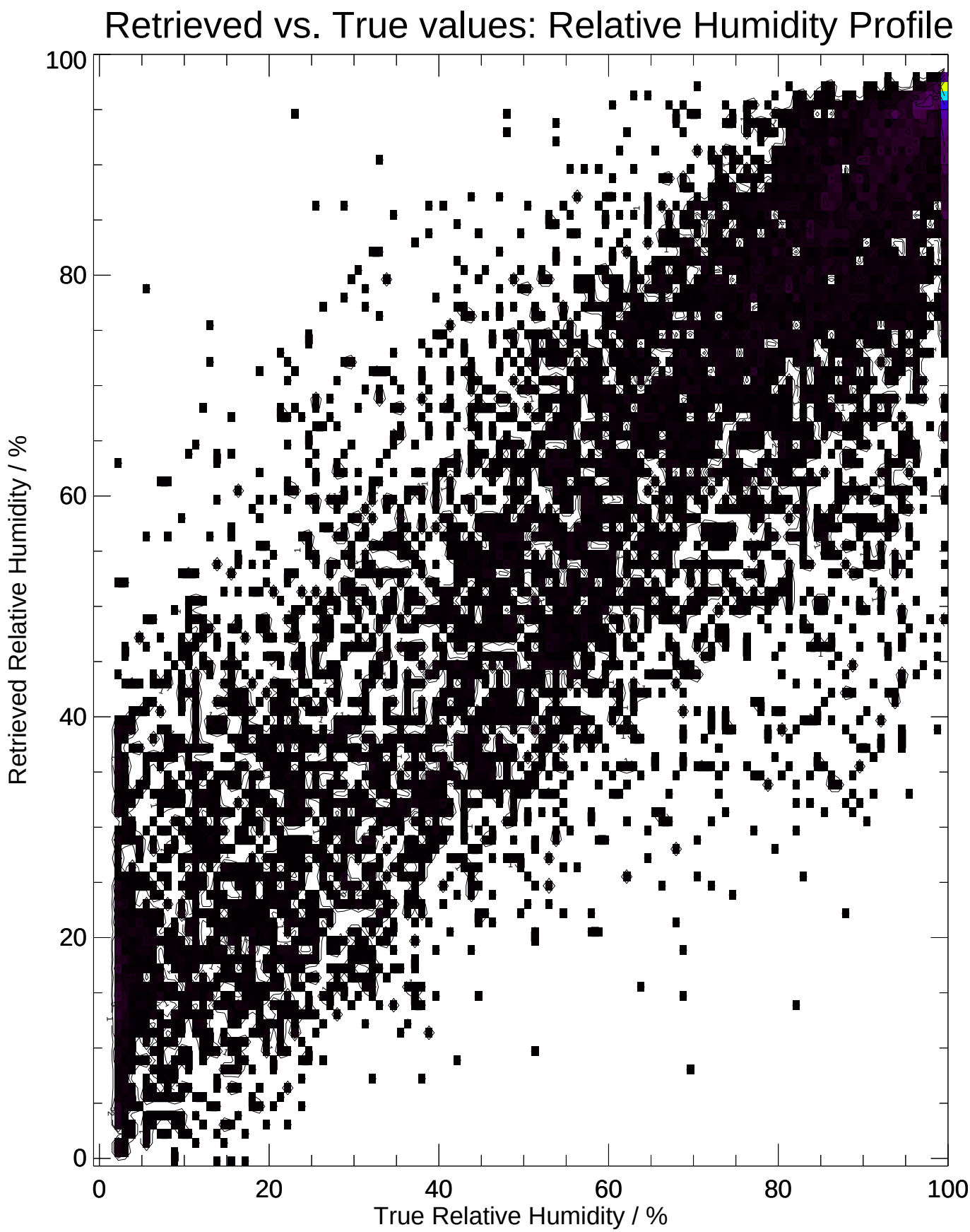

Relative Error (amplitude dependent)
Z = 2900 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=538
N=353
N=345
N=415
N=366
N=352
N=369
N=437
N=495
N=567
N=624
N=643
N=788
N=963
N=1076
N=1489

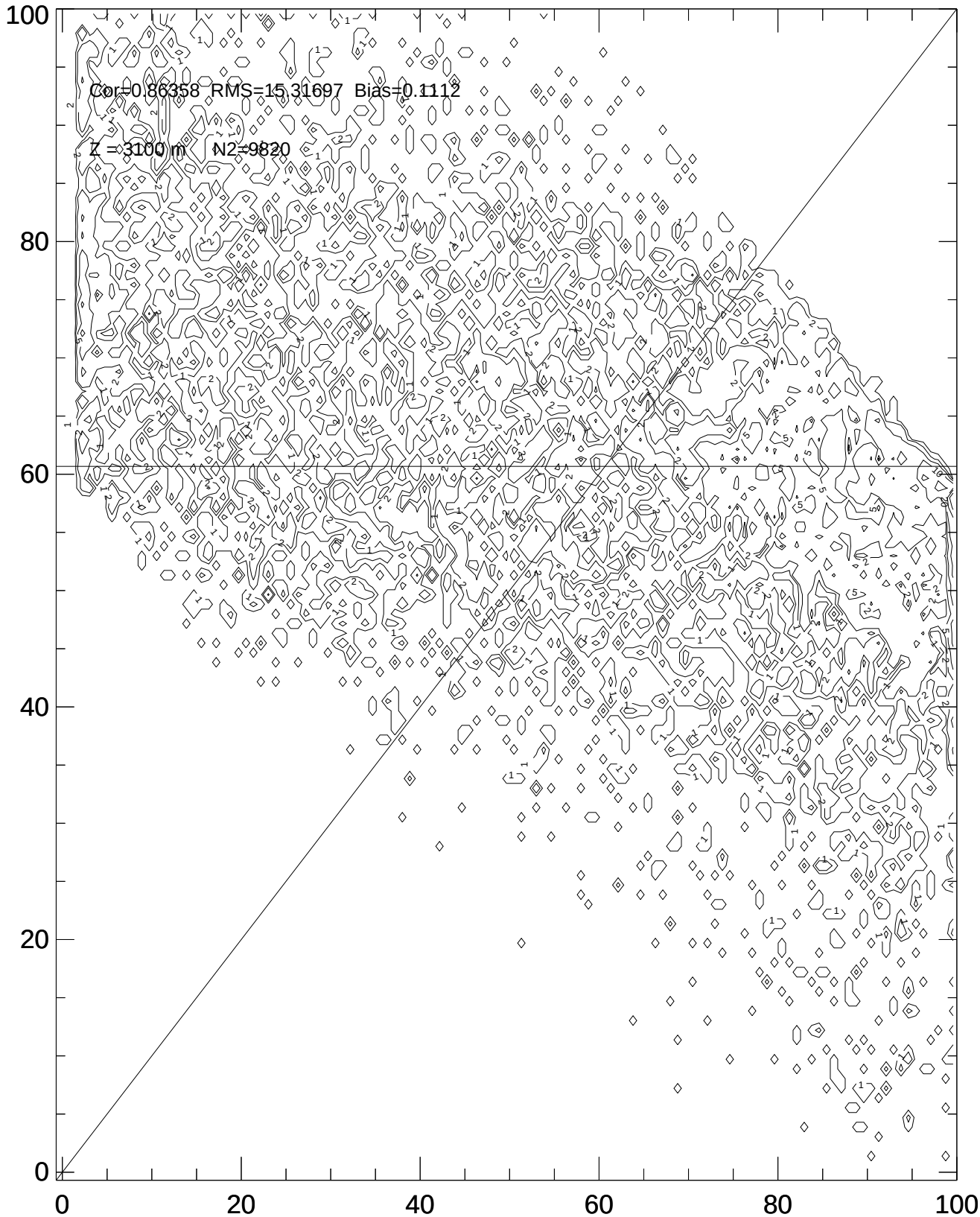

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

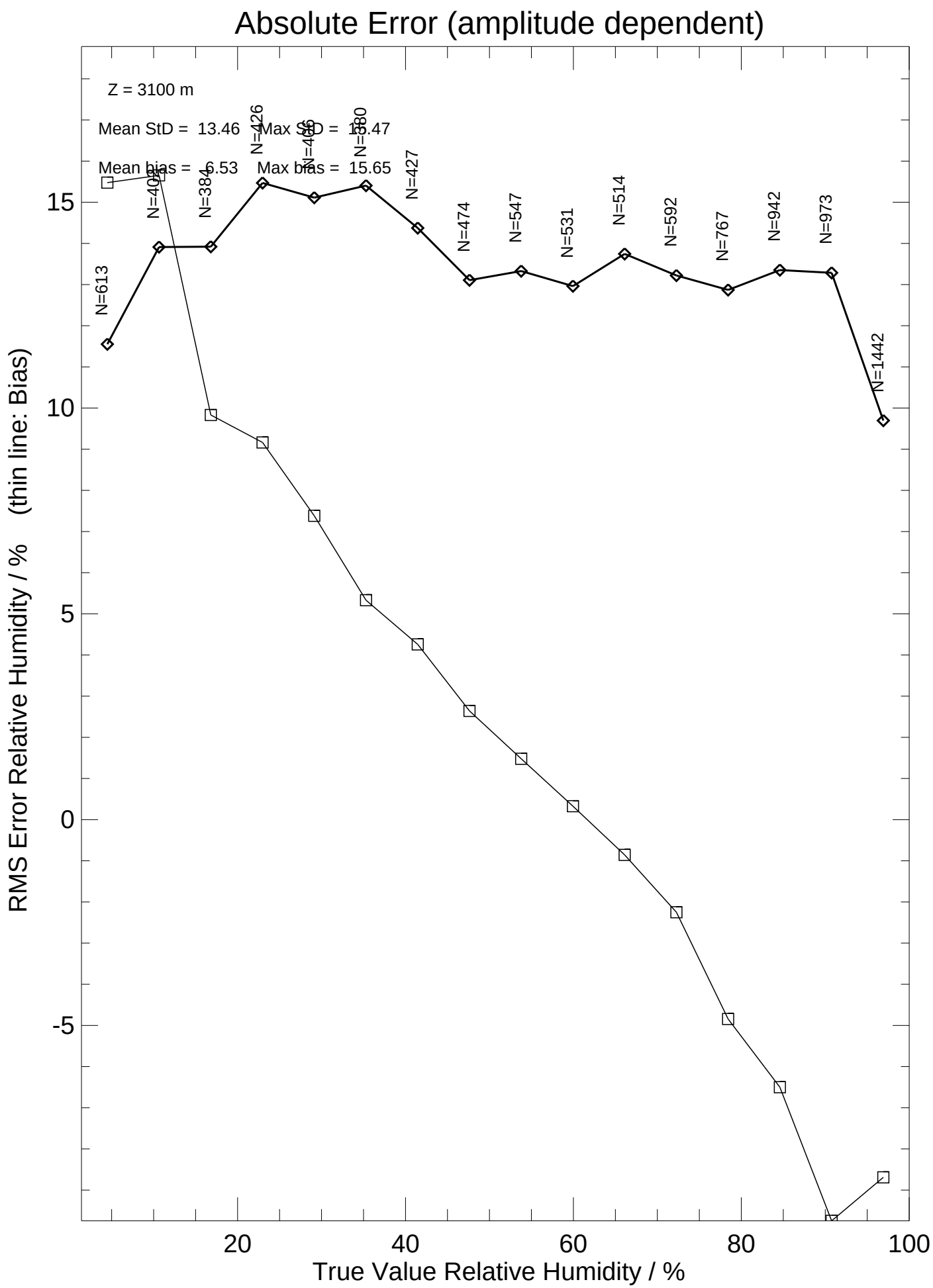

Cor=0.86078 RMS=15.29378 Bias=0.0855
Z =3000 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

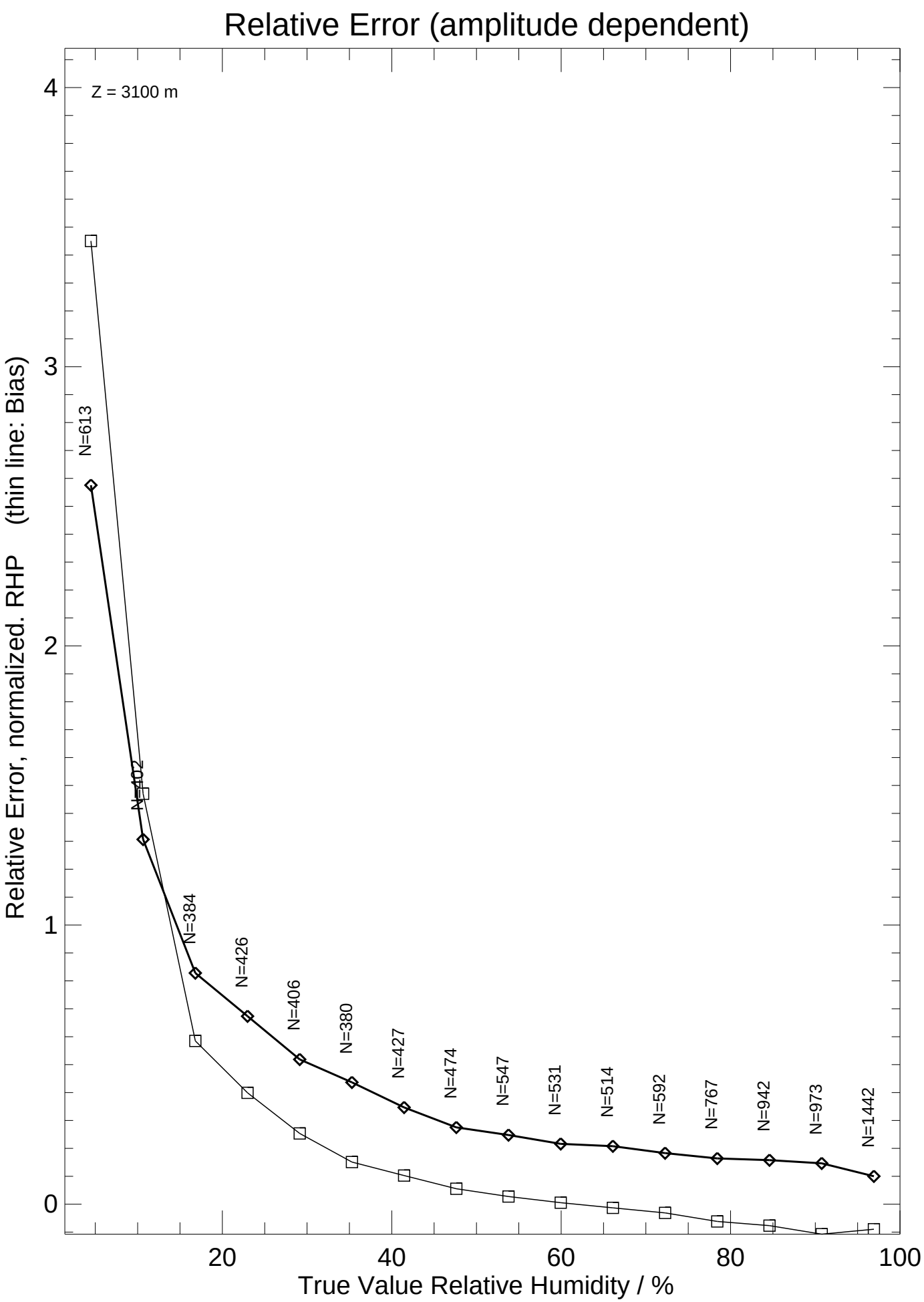

Absolute Error (amplitude dependent)
Z = 3000 m
Mean StD = 13.42 Max StD = 15.49
Mean bias = 6.76 Max bias = 13.11
N=578
N=383
N=369
N=403
N=366
N=353
N=379
N=469
N=523
N=558
N=582
N=642
N=705
N=994
N=1006
N=1470
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

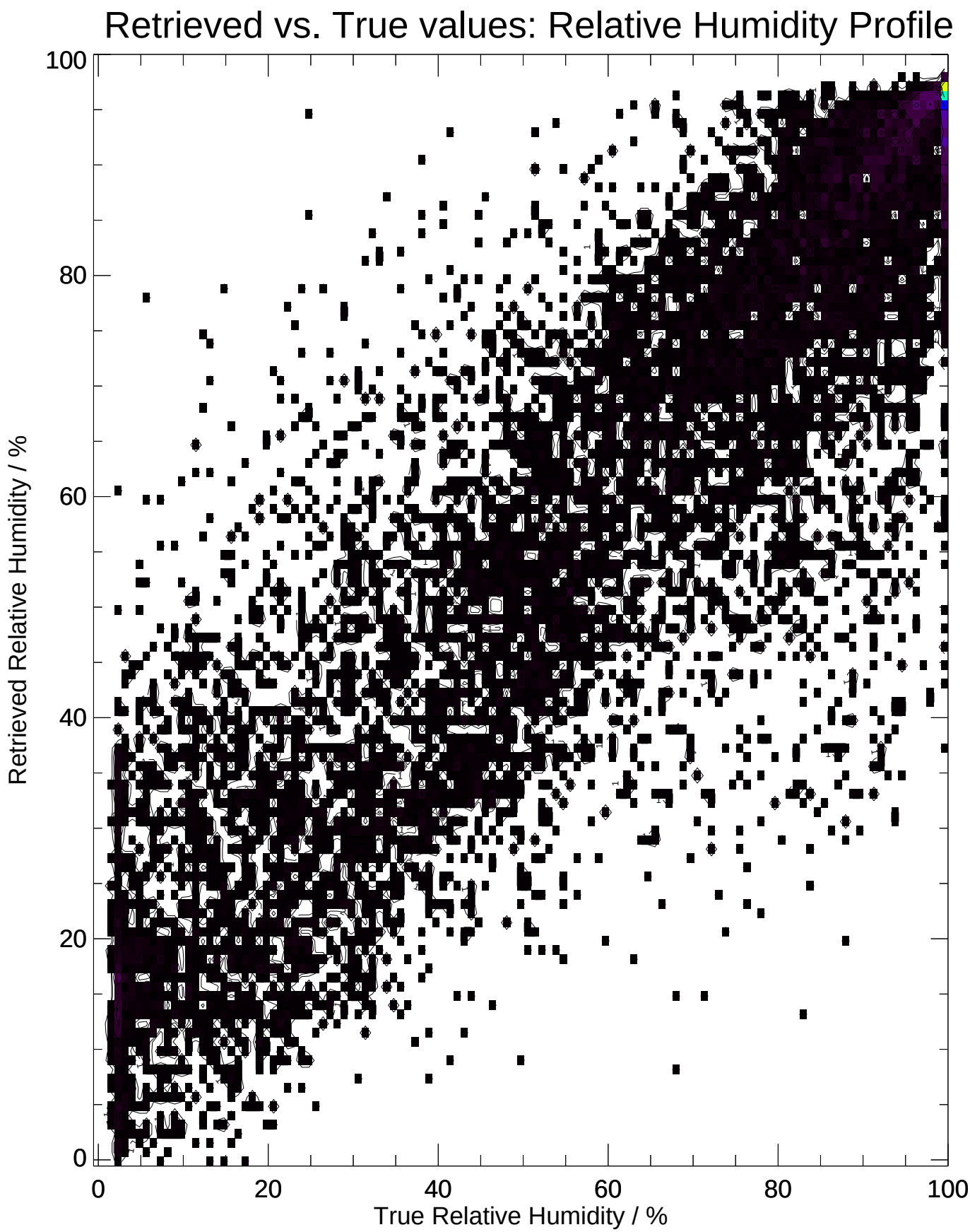

Relative Error (amplitude dependent)
Z = 3000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=578
N=383
N=369
N=403
N=366
N=393
N=379
N=469
N=523
N=558
N=582
N=642
N=705
N=994
N=1006
N=1470

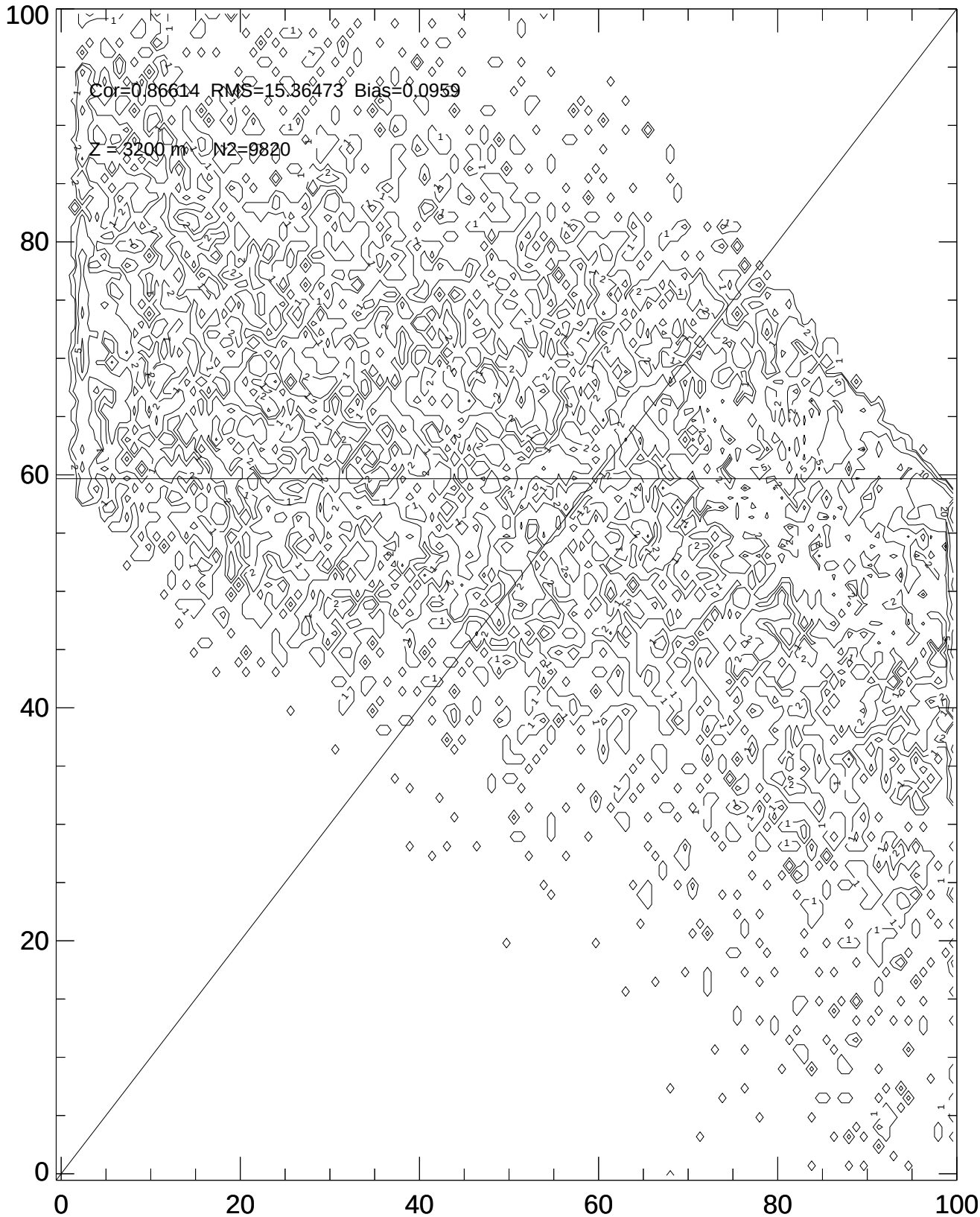

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

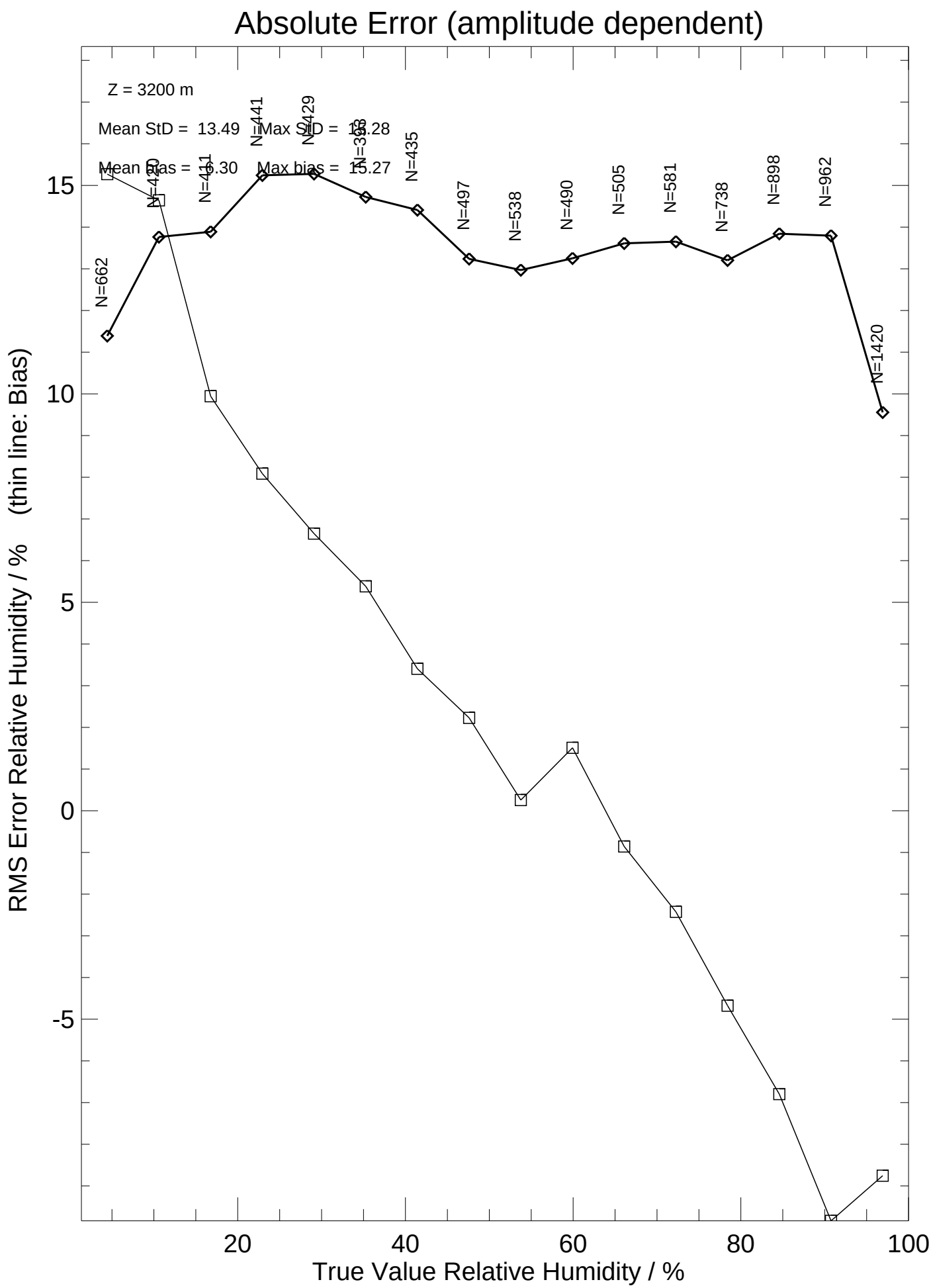

Cor=0.86358 RMS=15.31697 Bias=0.1112
Z = 3100 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

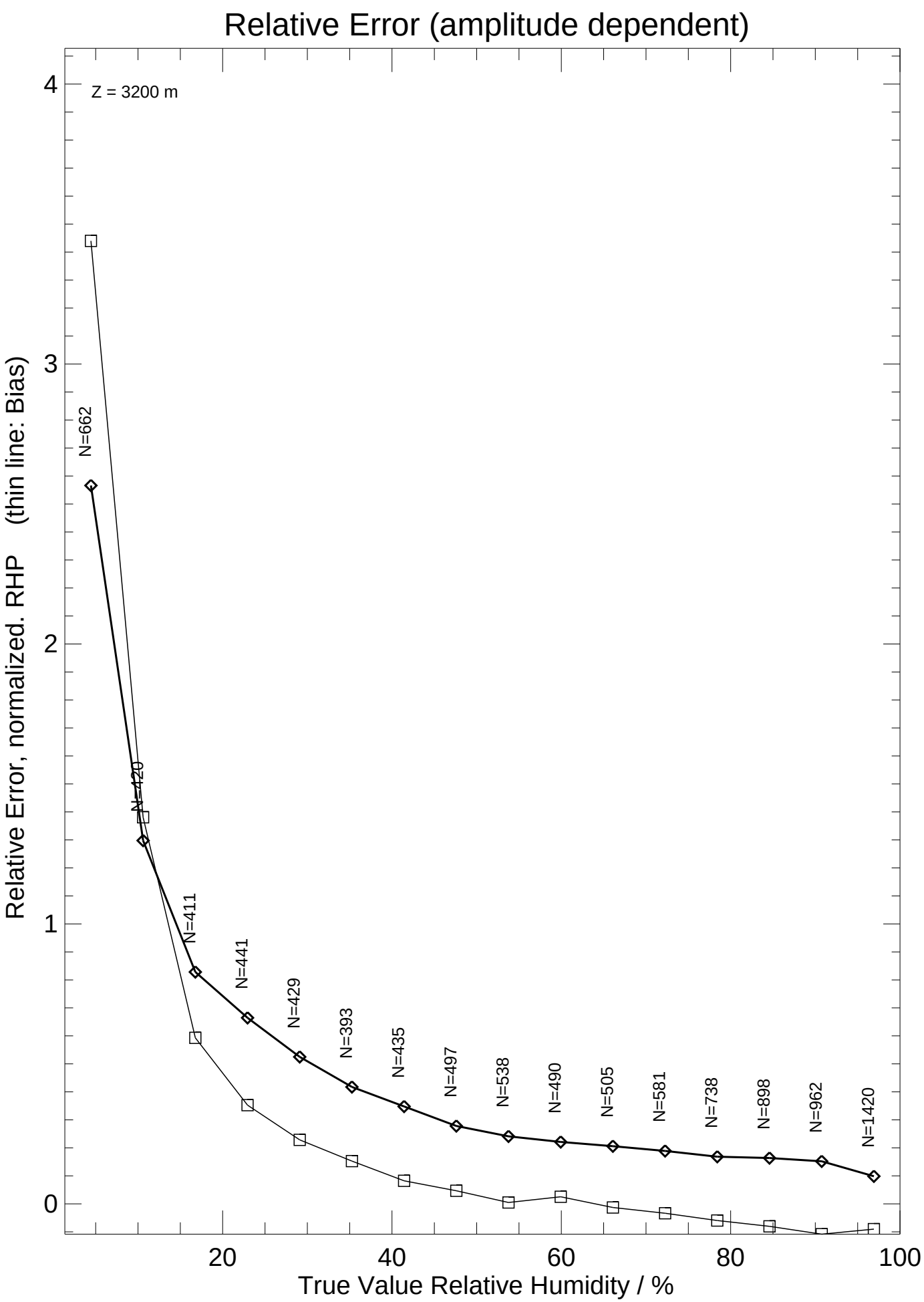

Absolute Error (amplitude dependent)
Z = 3100 m
Mean StD = 13.46 Max StD = 15.47
Mean bias = 6.53 Max bias = 15.65
N=613
N=406
N=384
N=426
N=406
N=480
N=427
N=474
N=547
N=531
N=514
N=592
N=767
N=942
N=973
N=1442
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

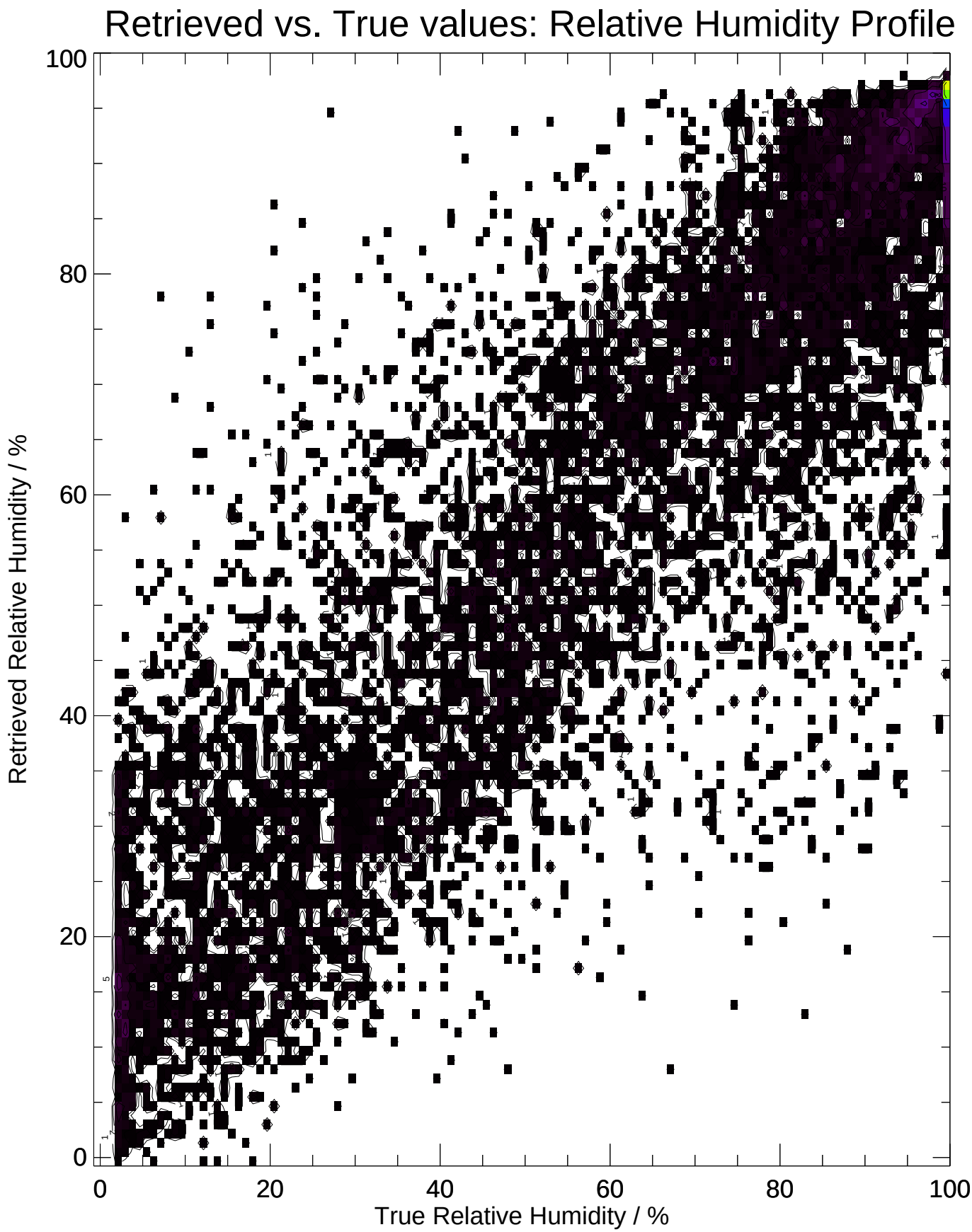

Relative Error (amplitude dependent)
Z = 3100 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=613
N=402
N=384
N=426
N=406
N=380
N=427
N=474
N=547
N=531
N=514
N=592
N=767
N=942
N=973
N=1442

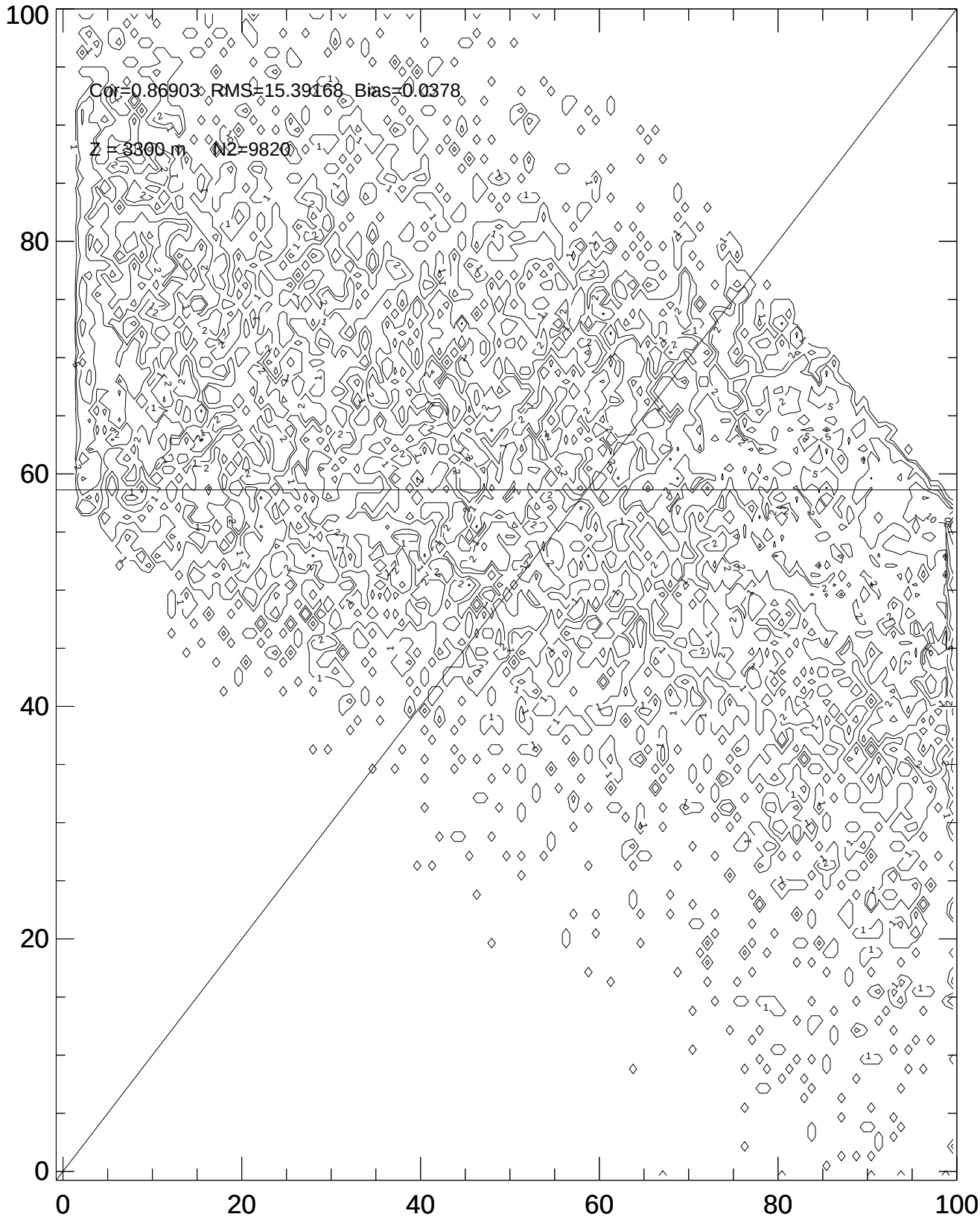

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

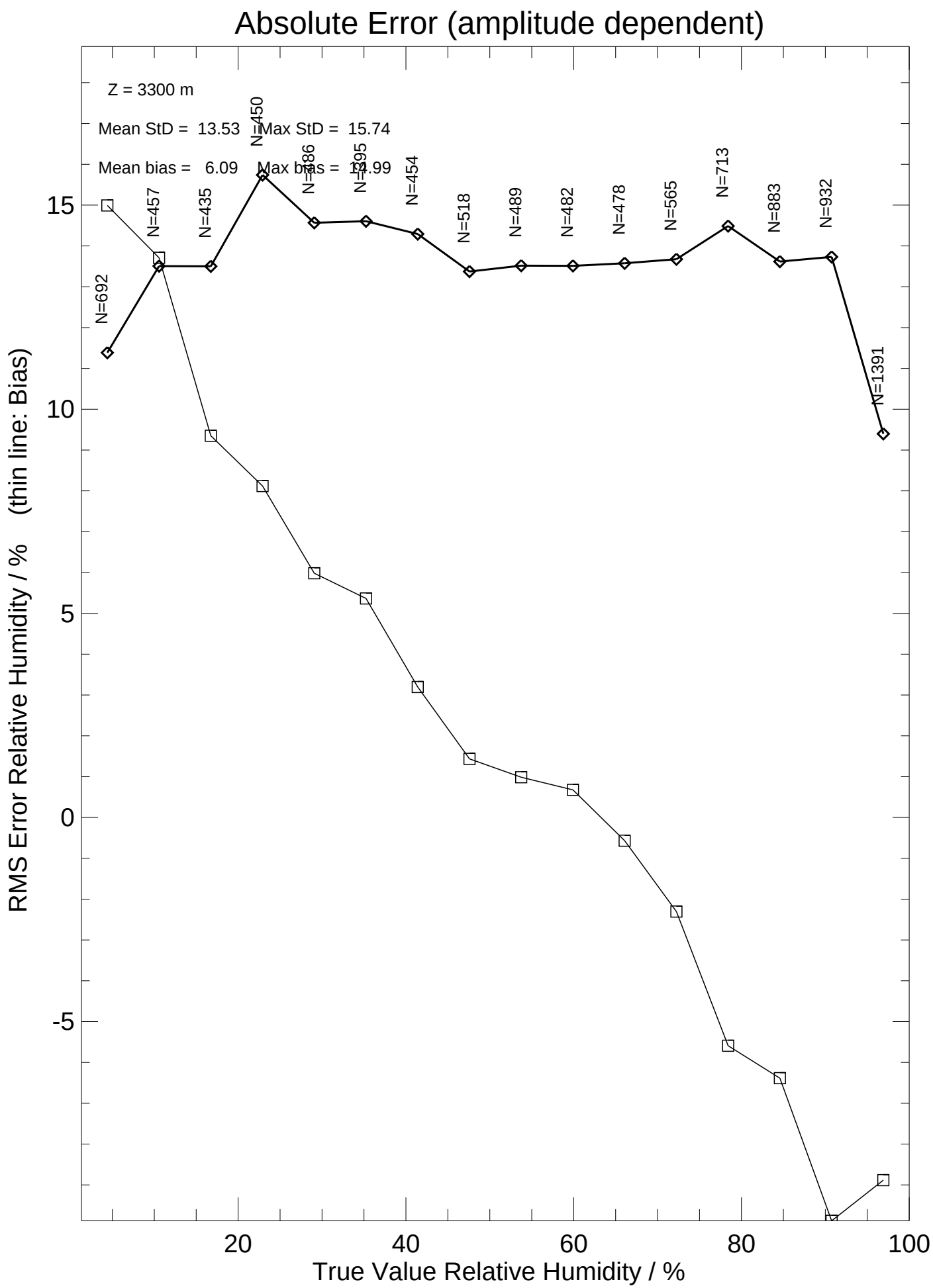

Cor=0.86614 RMS=15.36473 Bias=0.0959
Z =3200 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

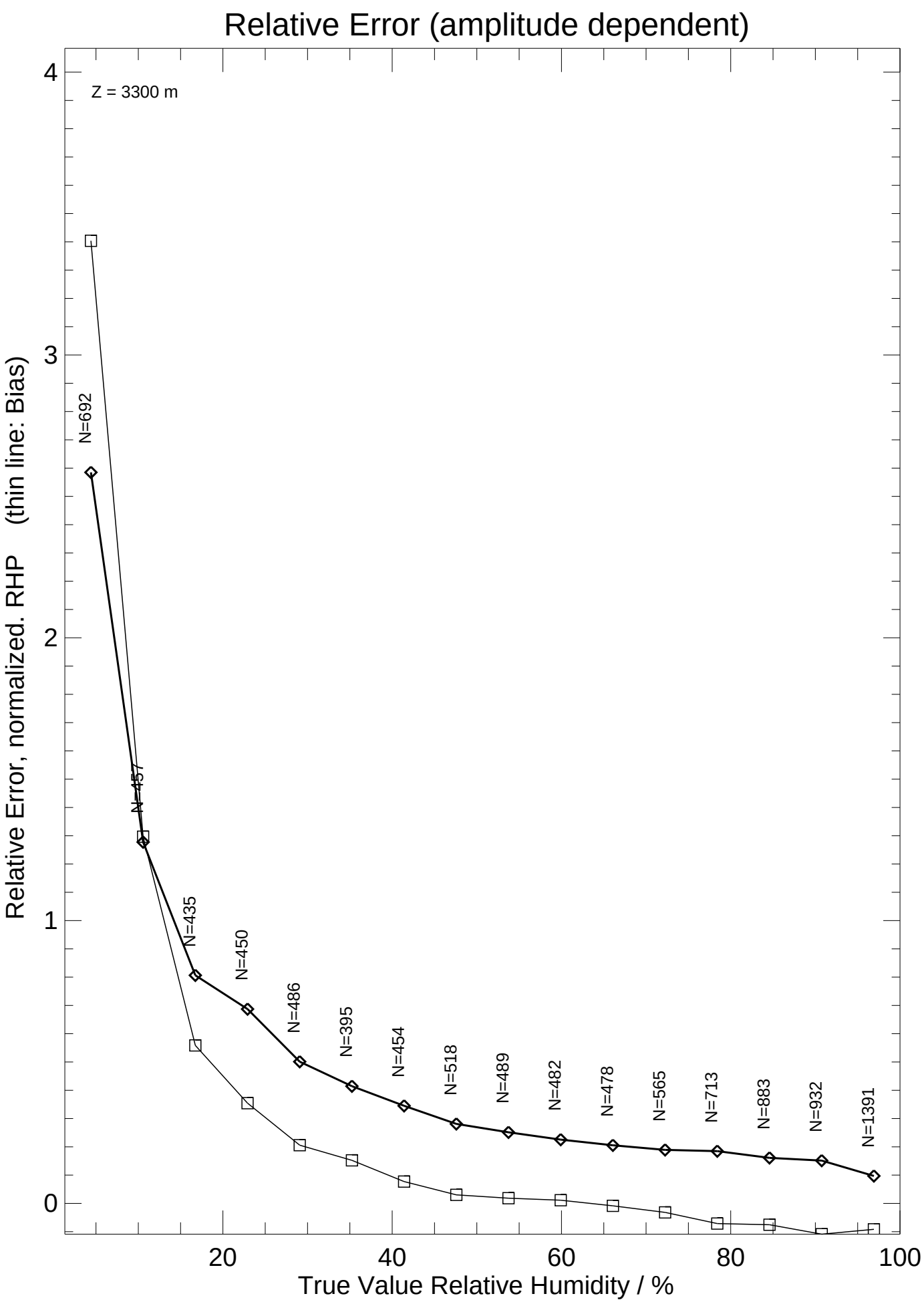

Absolute Error (amplitude dependent)
Z = 3200 m
Mean StD = 13.49 Max StD = 15.28
Mean bias = 6.30 Max bias = 15.27
N=662
N=435
N=497
N=538
N=490
N=505
N=581
N=738
N=898
N=962
N=1420
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

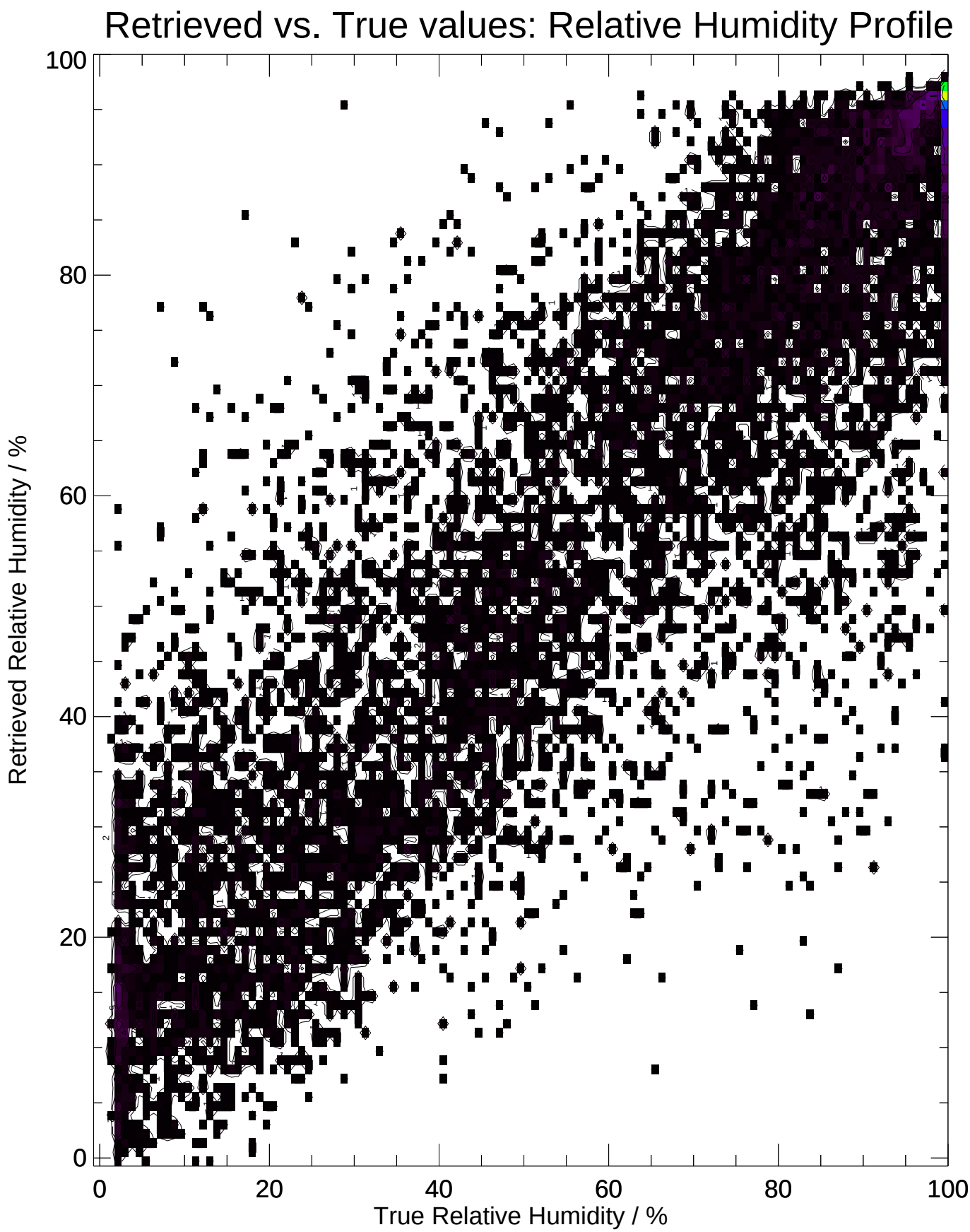

Relative Error (amplitude dependent)
Z = 3200 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=662
N=420
N=411
N=441
N=429
N=393
N=435
N=497
N=538
N=490
N=505
N=581
N=738
N=898
N=962
N=1420

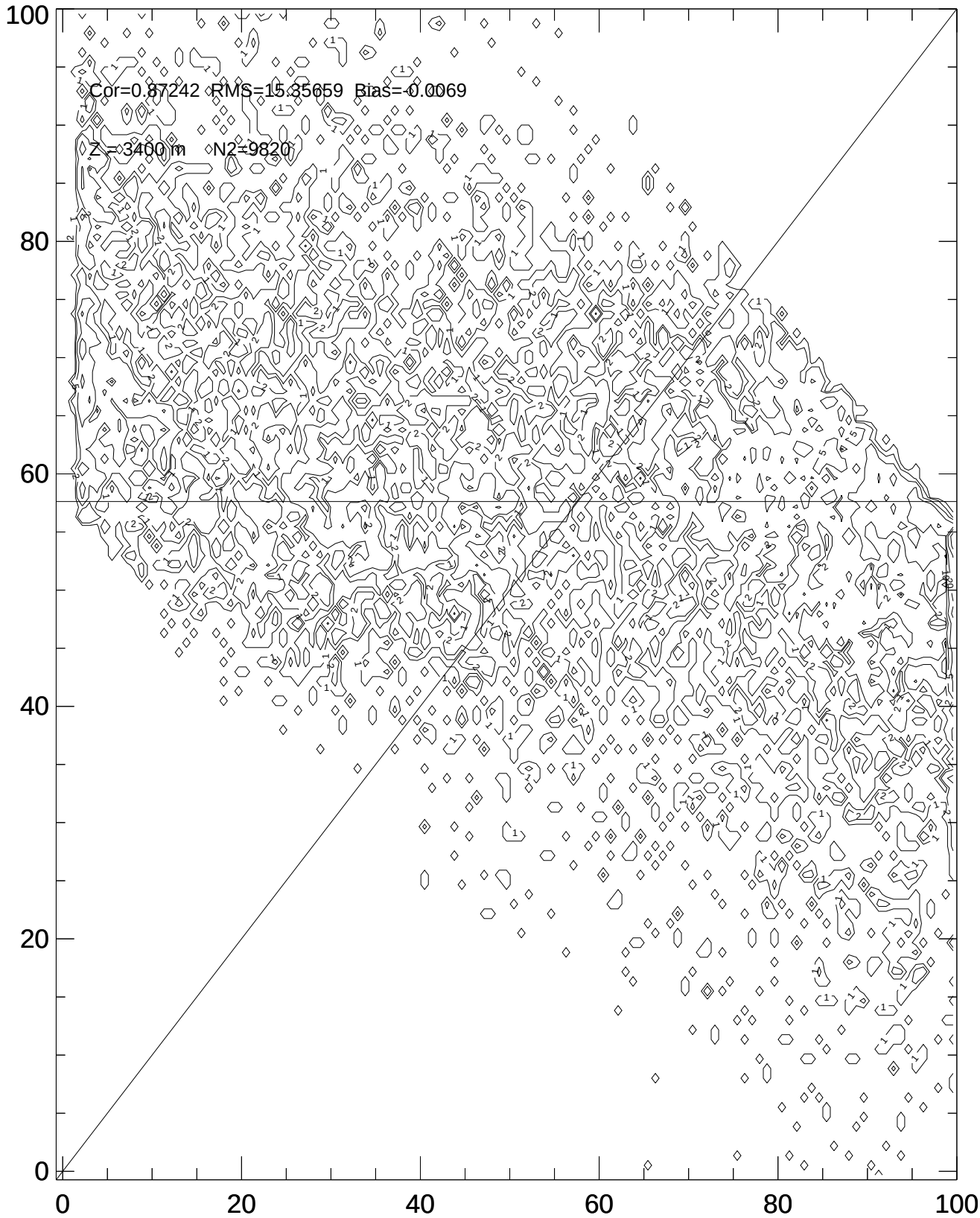

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

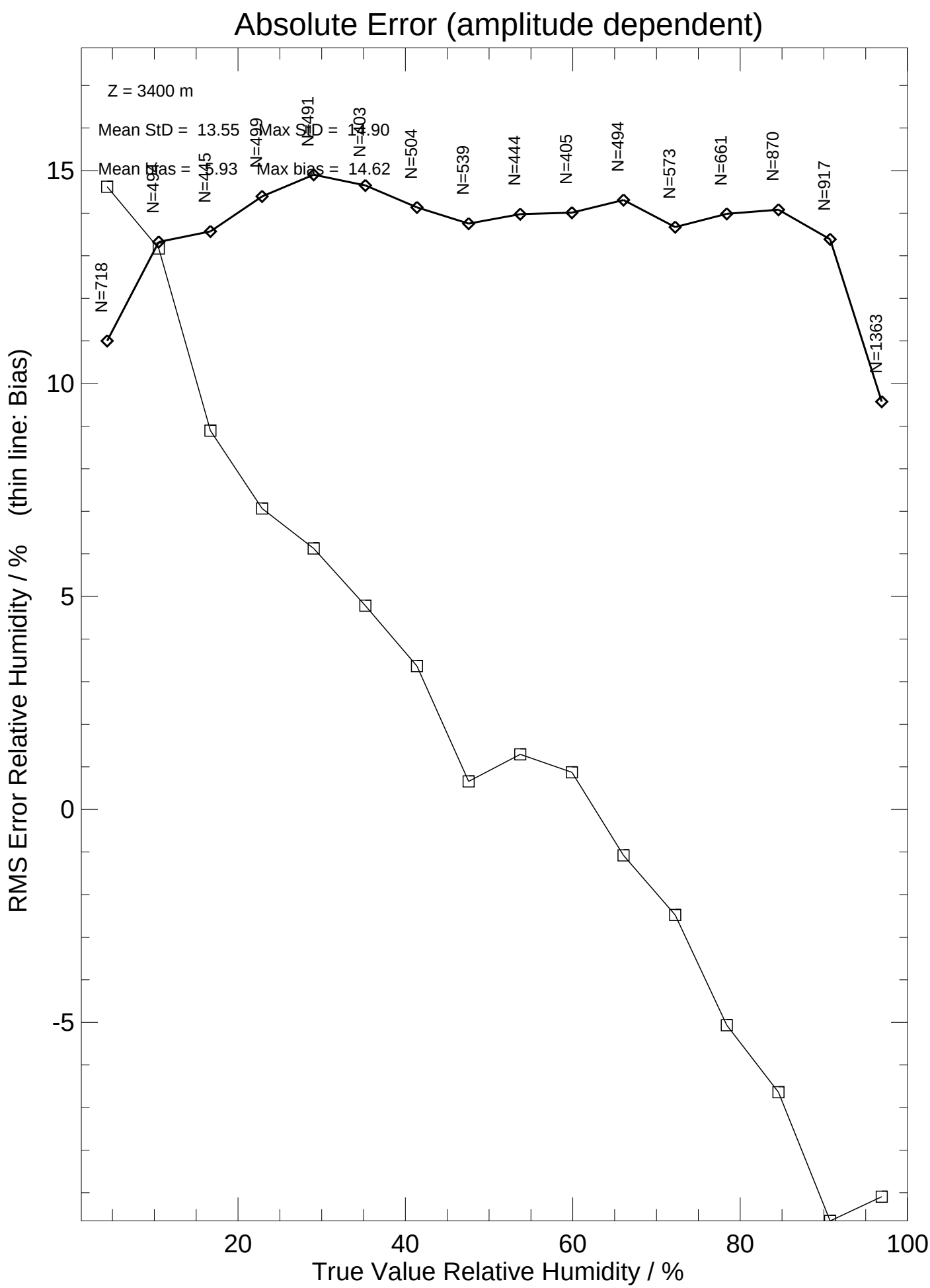

Cor=0.86903 RMS=15.39168 Bias=0.0378
Z = 3300 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

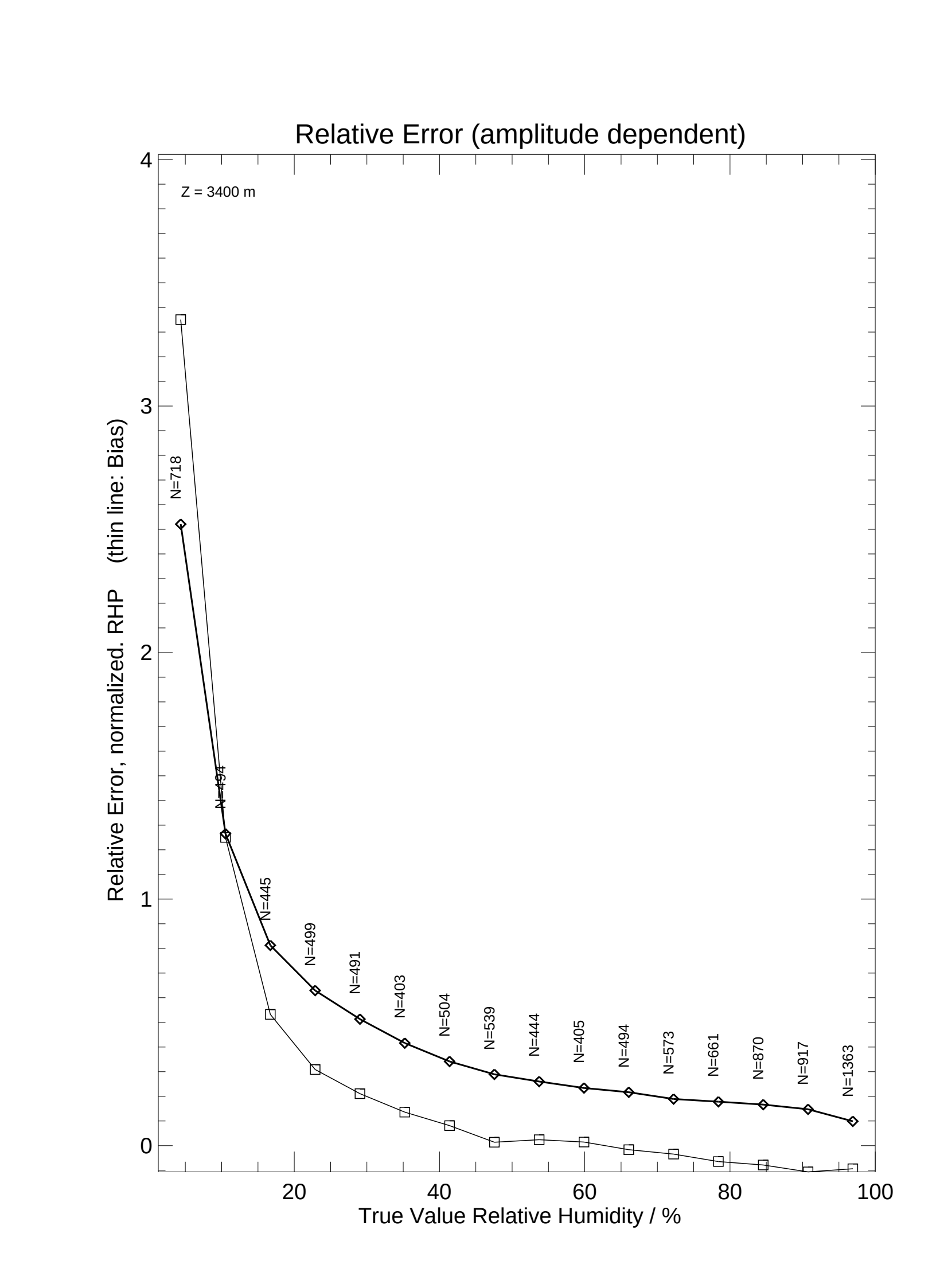

Absolute Error (amplitude dependent)
Z = 3300 m
Mean StD = 13.53 Max StD = 15.74
Mean bias = 6.09 Max bias = 14.99
N=692
N=457
N=435
N=450
N=486
N=495
N=454
N=518
N=489
N=482
N=478
N=565
N=713
N=883
N=932
N=1391
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

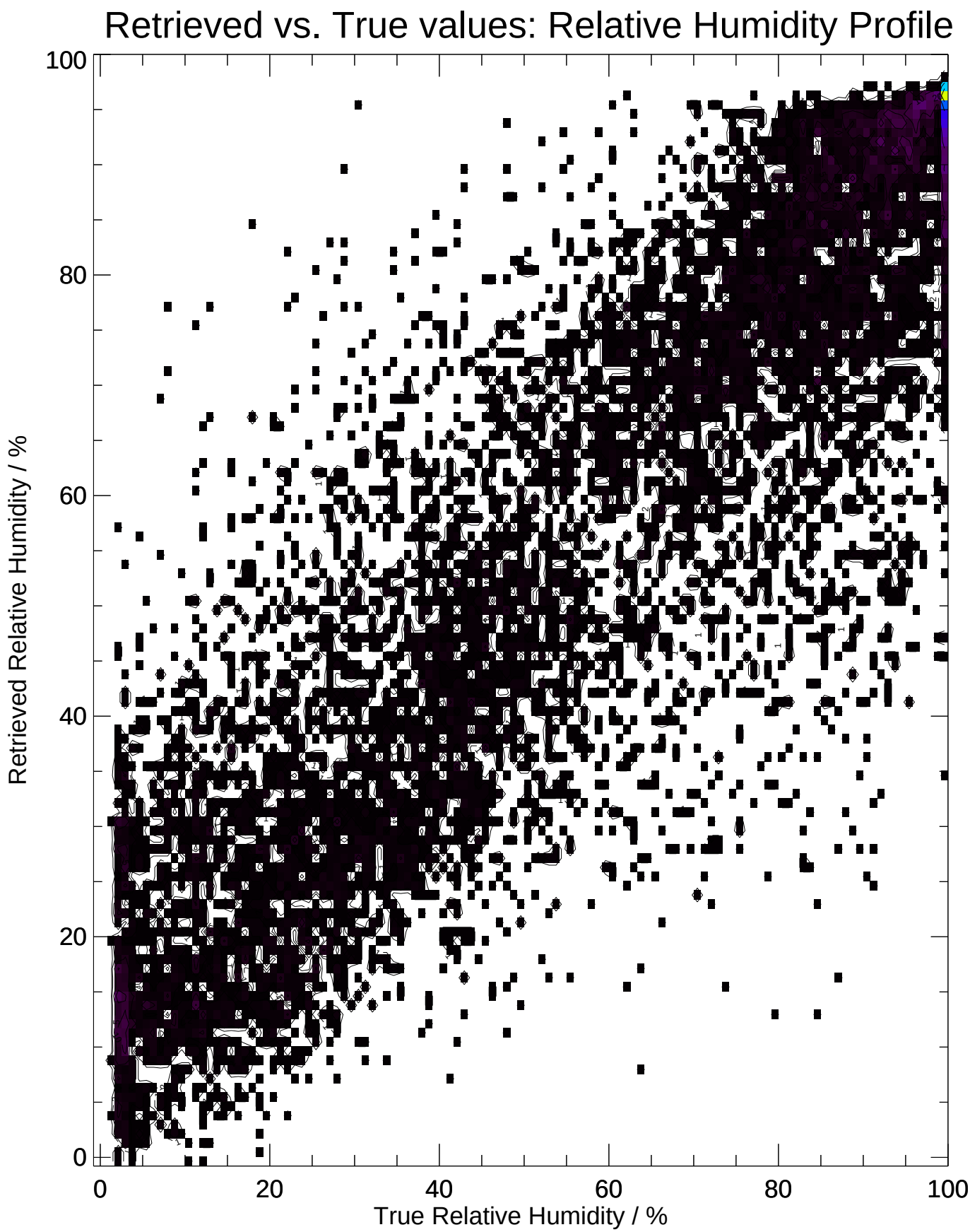

Relative Error (amplitude dependent)
Z = 3300 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=692
N=457
N=435
N=450
N=486
N=395
N=454
N=518
N=489
N=482
N=478
N=565
N=713
N=883
N=932
N=1391

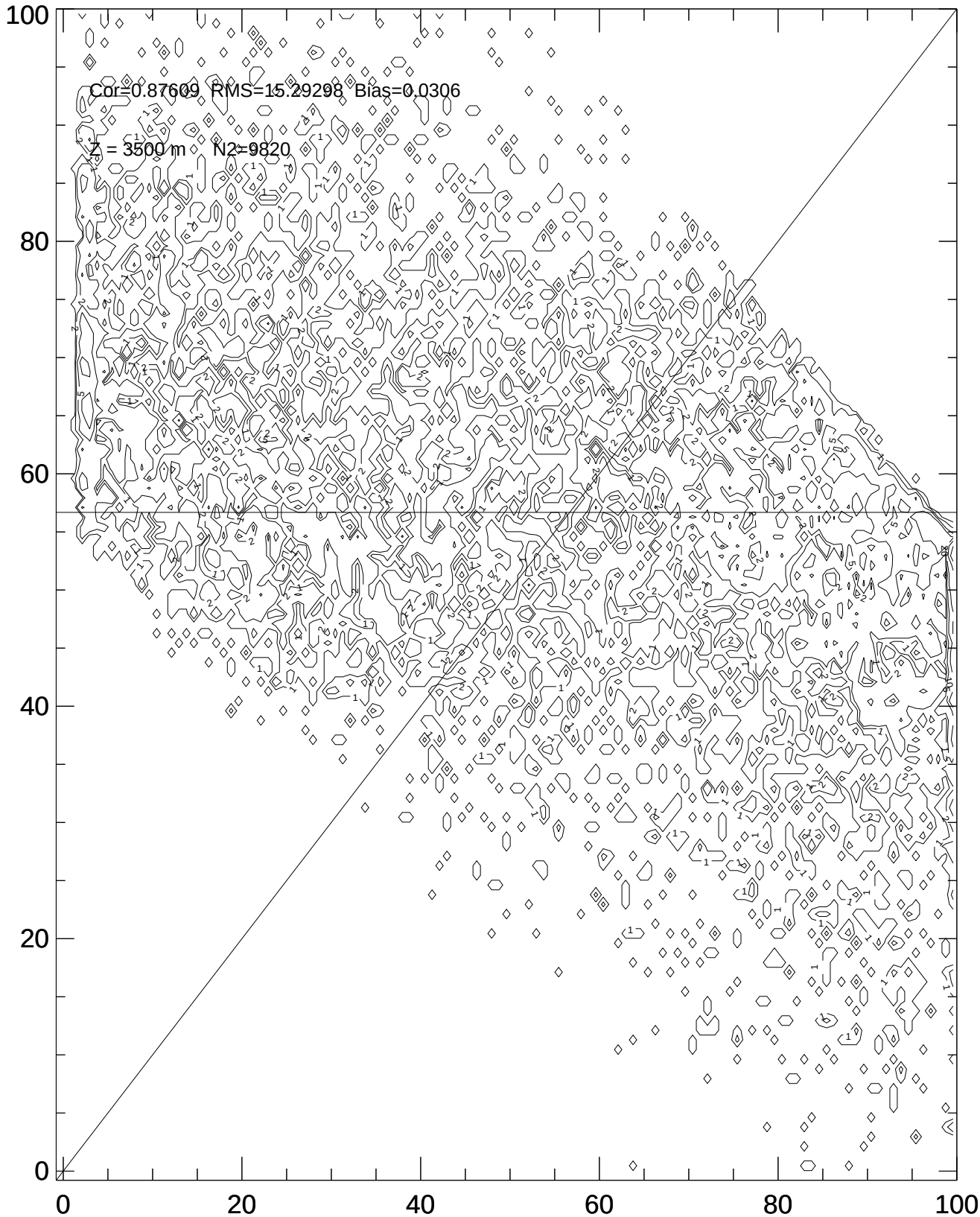

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

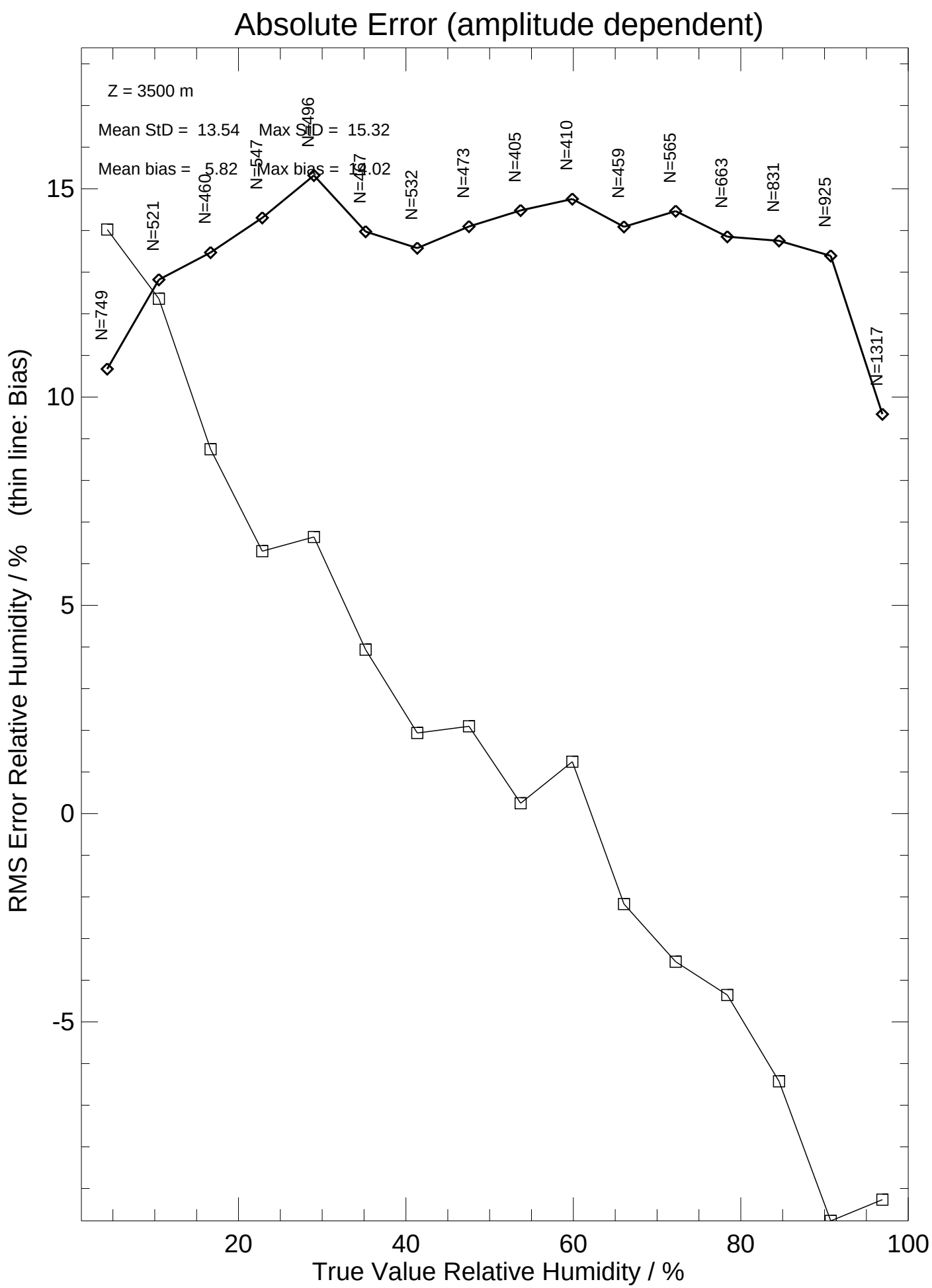

Cor=0.87242 RMS=15.35659 Bias=-0.0069
Z =3400 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

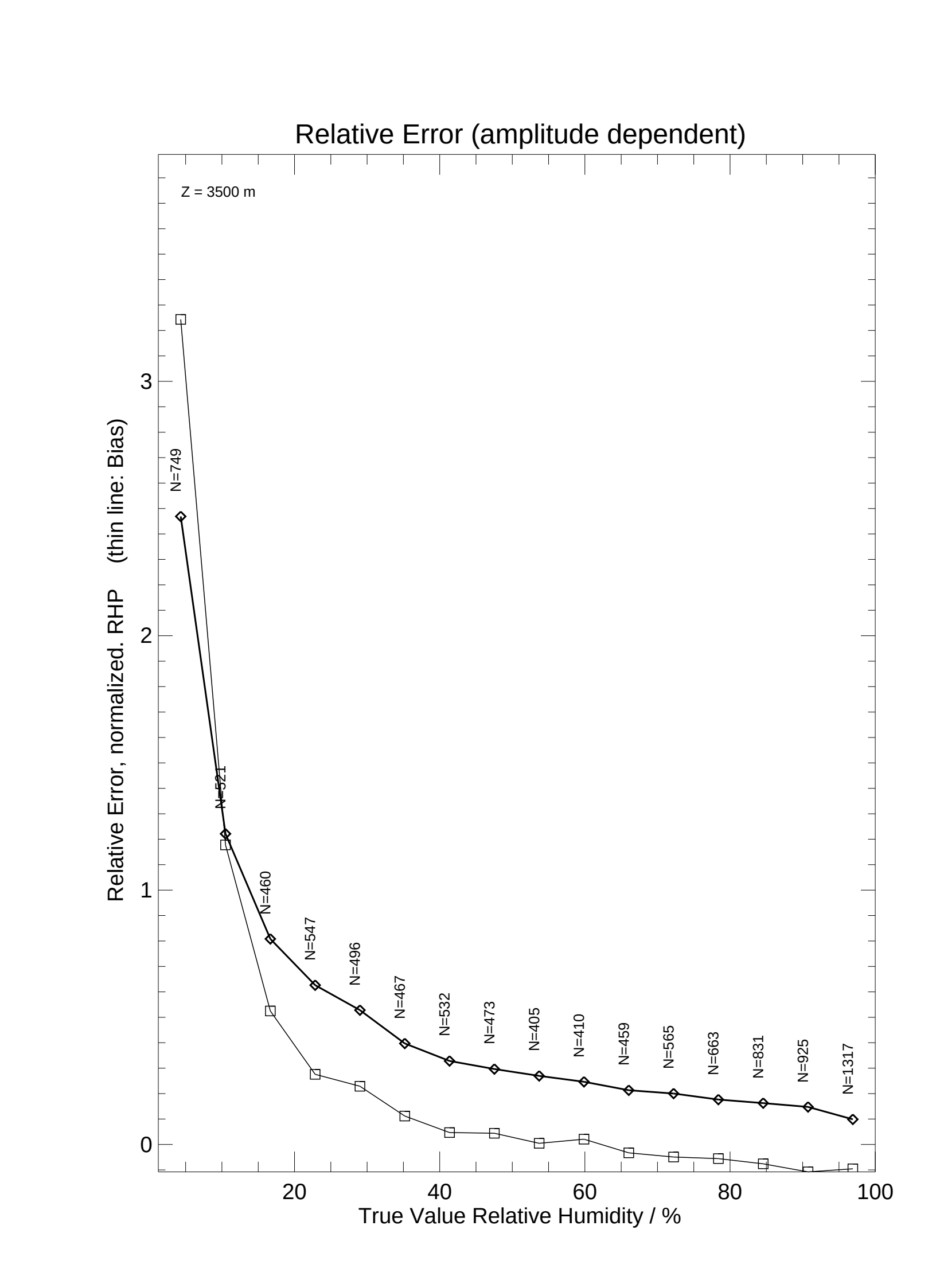

Absolute Error (amplitude dependent)
Z = 3400 m
Mean StD = 13.55 Max StD = 14.90
Mean bias = 5.93 Max bias = 14.62
N=718
N=499
N=445
N=499
N=491
N=503
N=504
N=539
N=444
N=405
N=494
N=573
N=661
N=870
N=917
N=1363
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

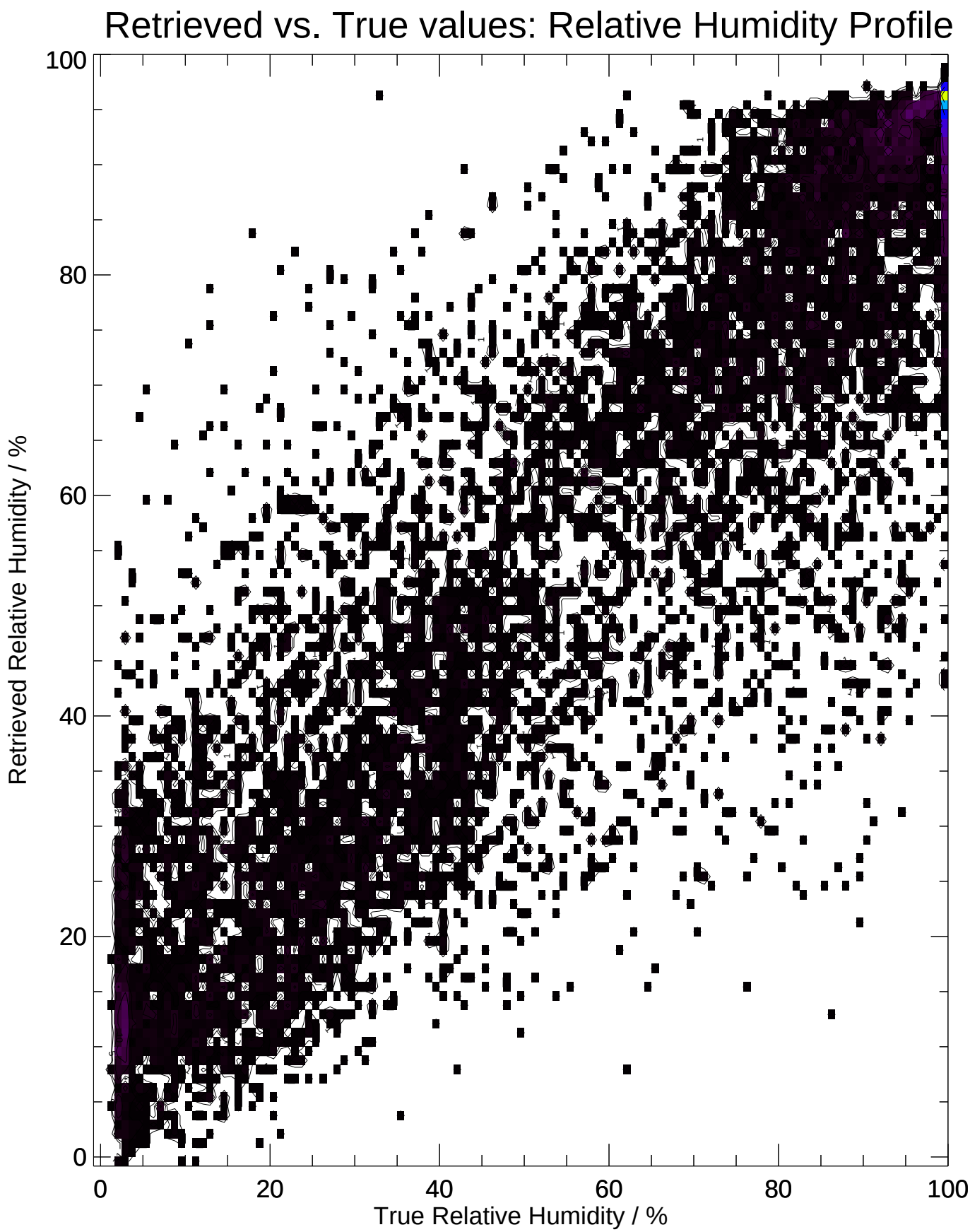

Relative Error (amplitude dependent)
Z = 3400 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=718
N=494
N=445
N=499
N=491
N=403
N=504
N=539
N=444
N=405
N=494
N=573
N=661
N=870
N=917
N=1363

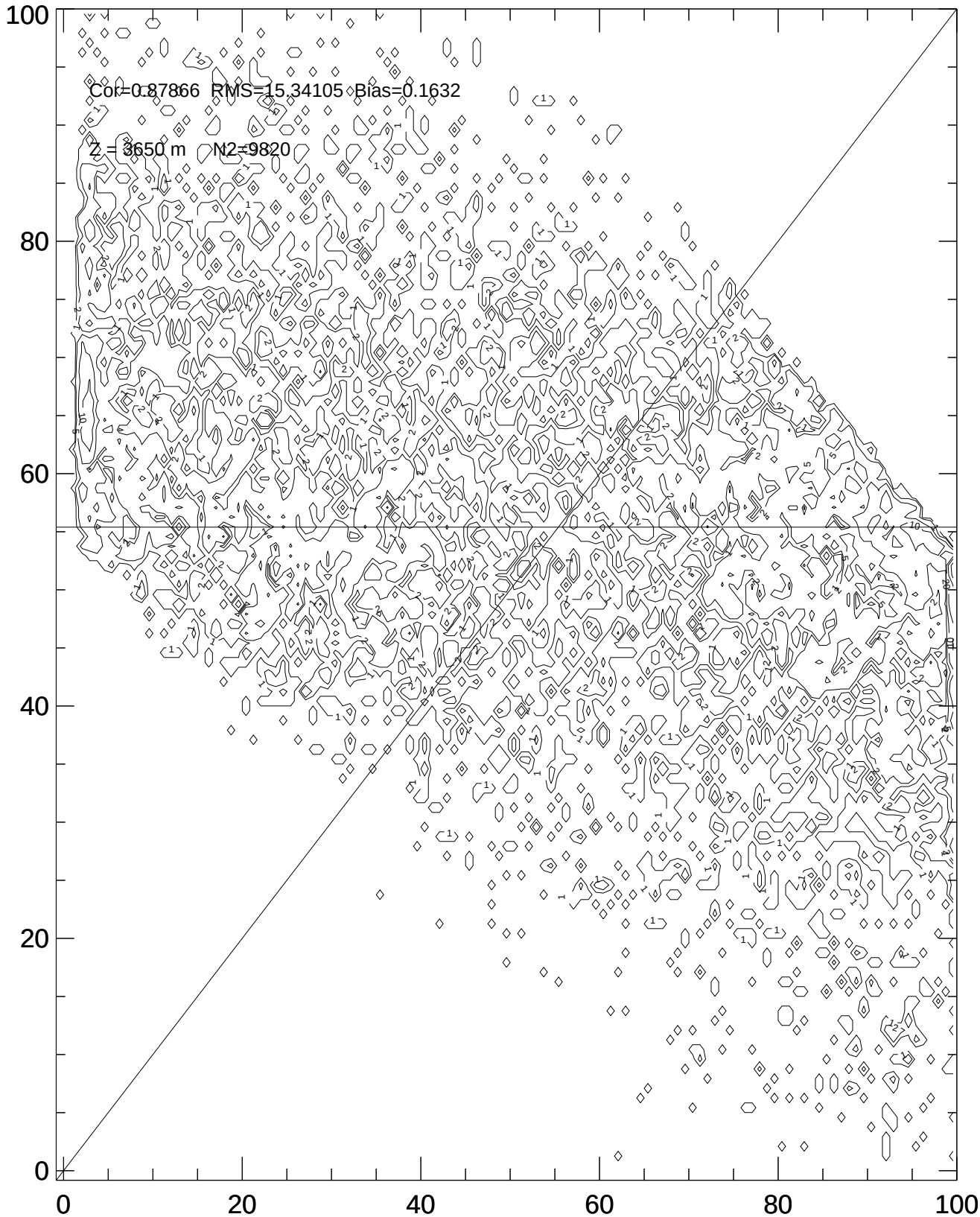

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

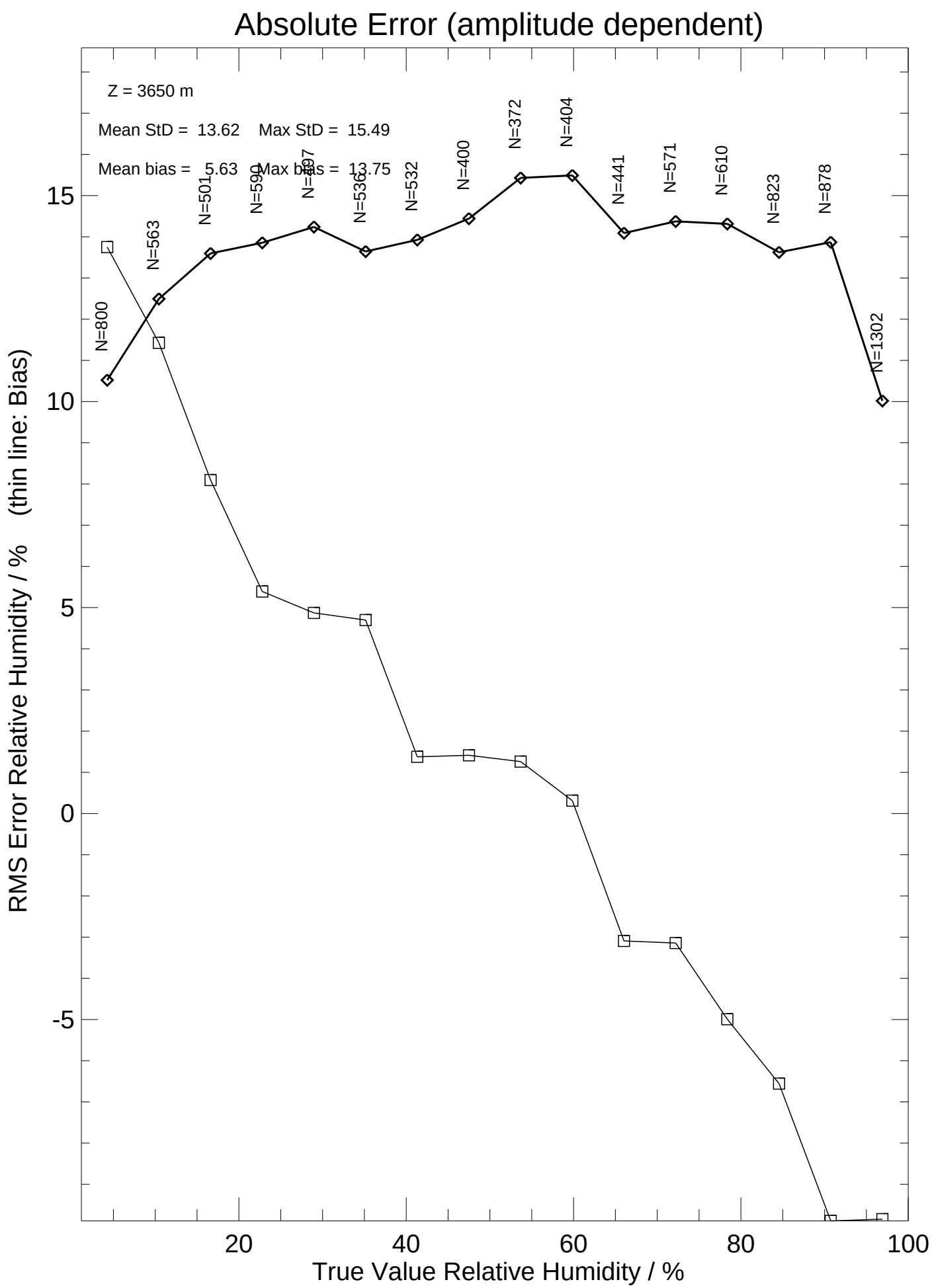

Cor=0.87609 RMS=15.29298 Bias=0.0306
Z = 3500 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

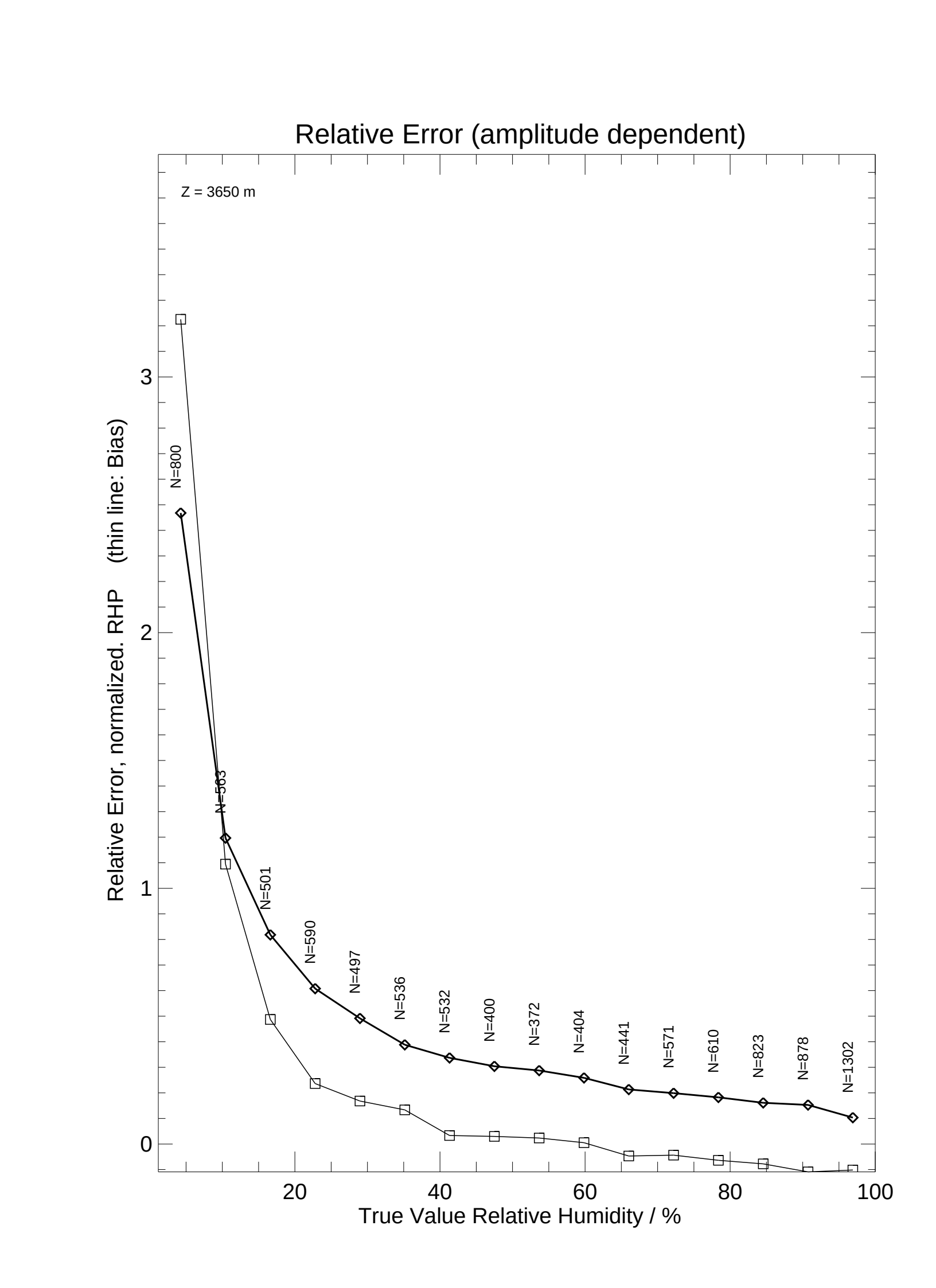

Absolute Error (amplitude dependent)
Z = 3500 m
Mean StD = 13.54 Max StD = 15.32
Mean bias = 5.82 Max bias = 14.02
N=749
N=521
N=460
N=547
N=496
N=437
N=532
N=473
N=405
N=410
N=459
N=565
N=663
N=831
N=925
N=1317
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

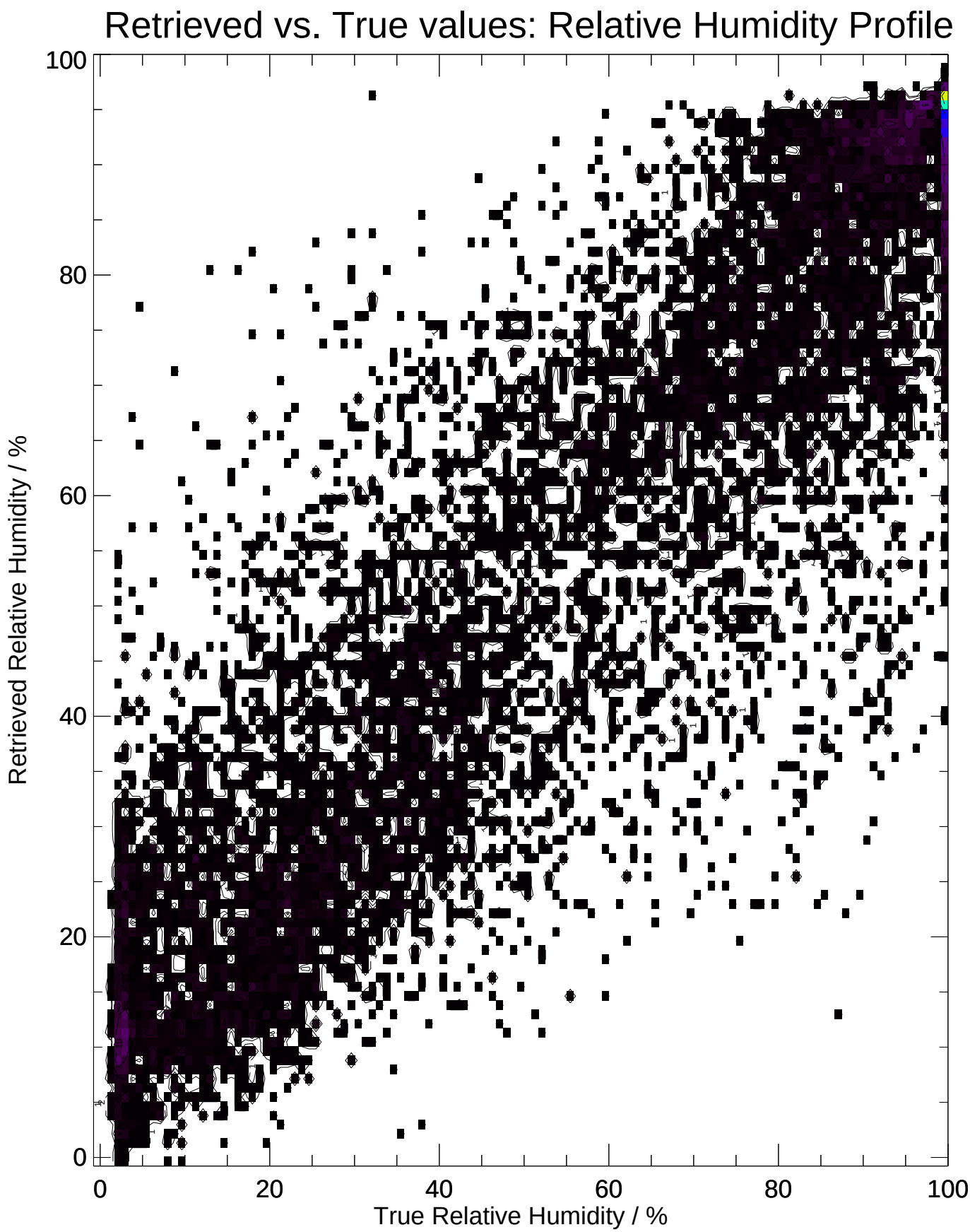

Relative Error (amplitude dependent)
Z = 3500 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=749
N=521
N=460
N=547
N=496
N=467
N=532
N=473
N=405
N=410
N=459
N=565
N=663
N=831
N=925
N=1317

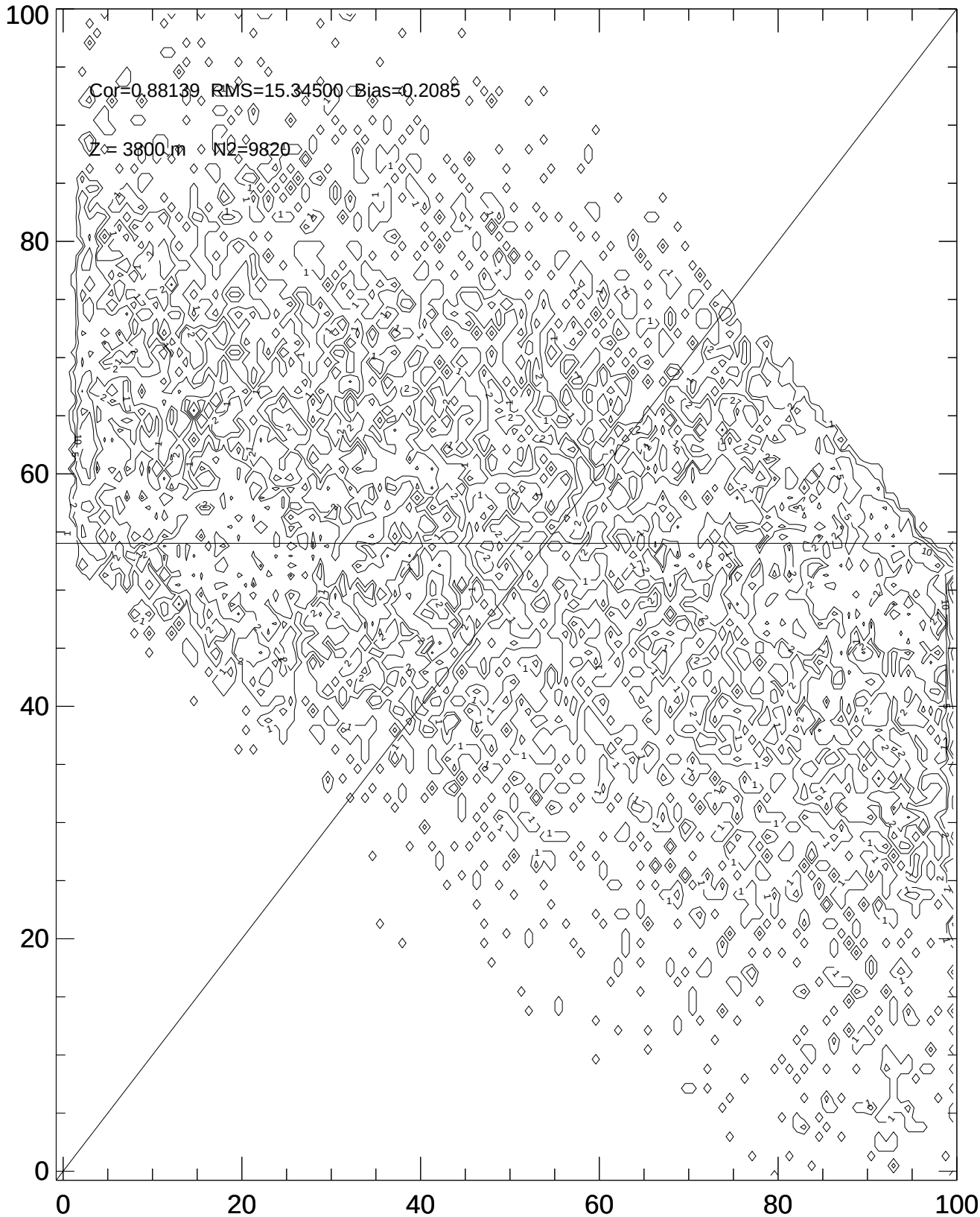

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

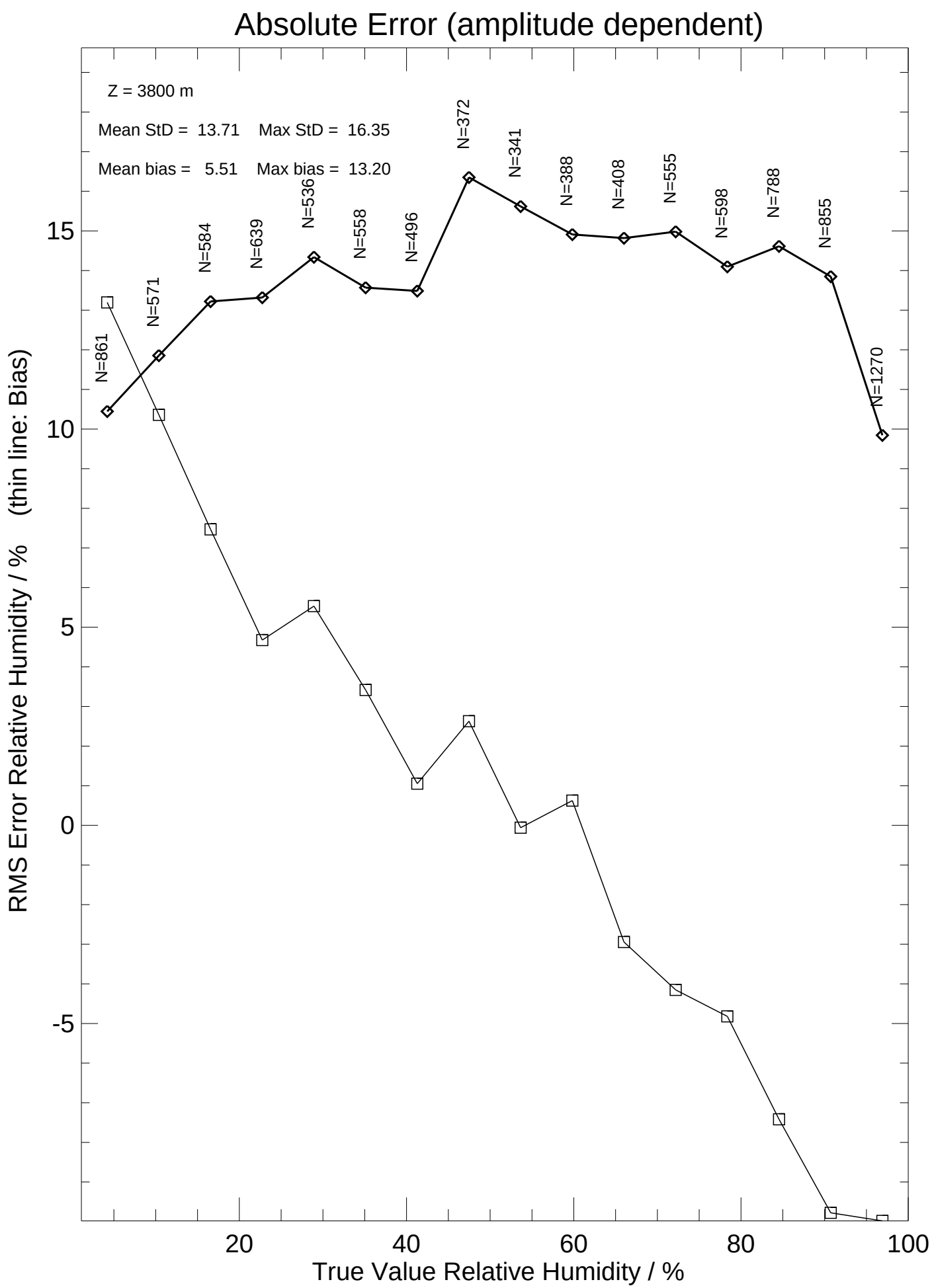

Cor=0.87866 RMS=15.34105 Bias=0.1632
Z = 3650 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

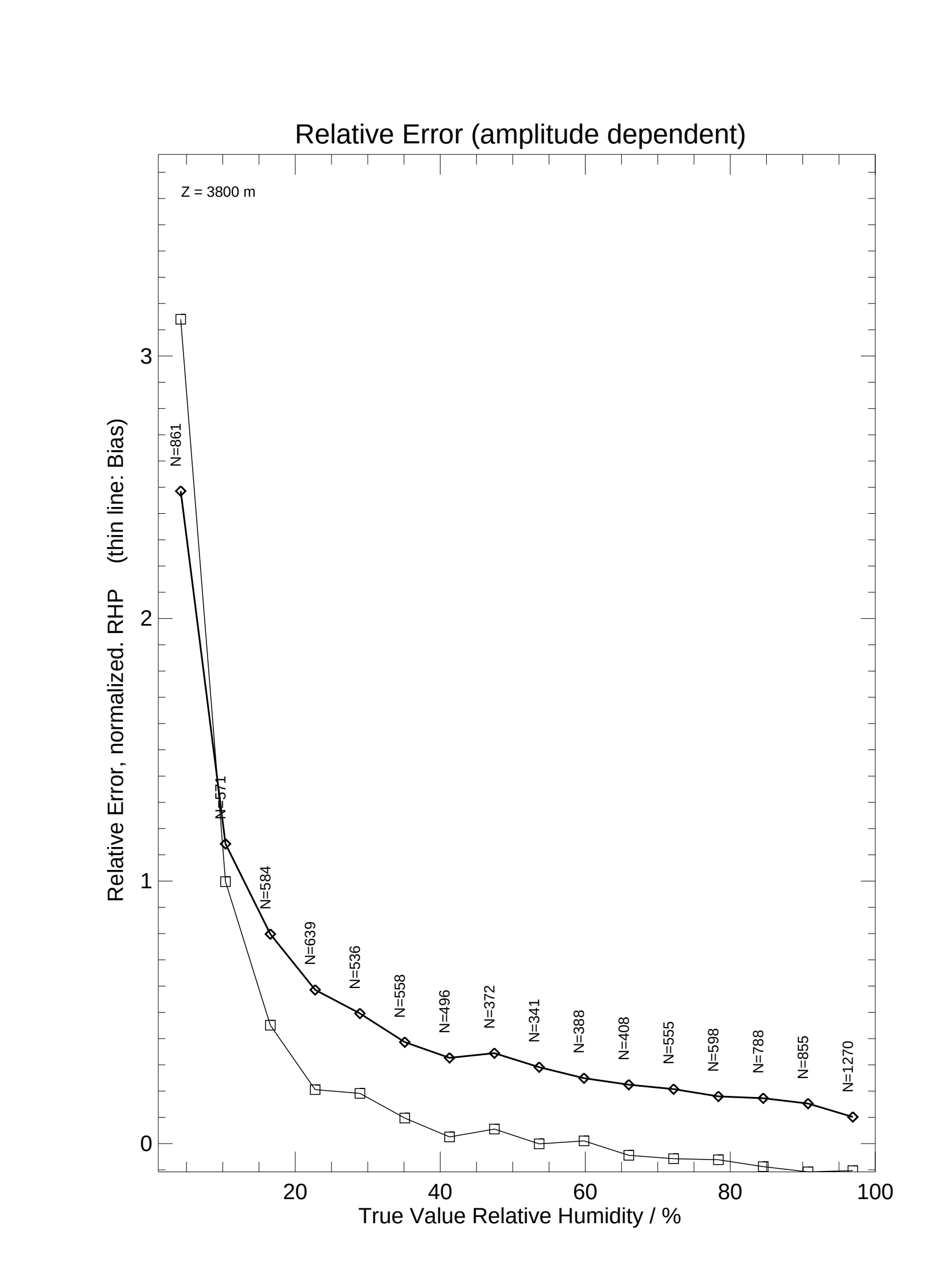

Absolute Error (amplitude dependent)
Z = 3650 m
Mean StD = 13.62 Max StD = 15.49
Mean bias = 5.63 Max bias = 13.75
N=800
N=563
N=501
N=590
N=607
N=536
N=532
N=400
N=372
N=404
N=441
N=571
N=610
N=823
N=878
N=1302
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

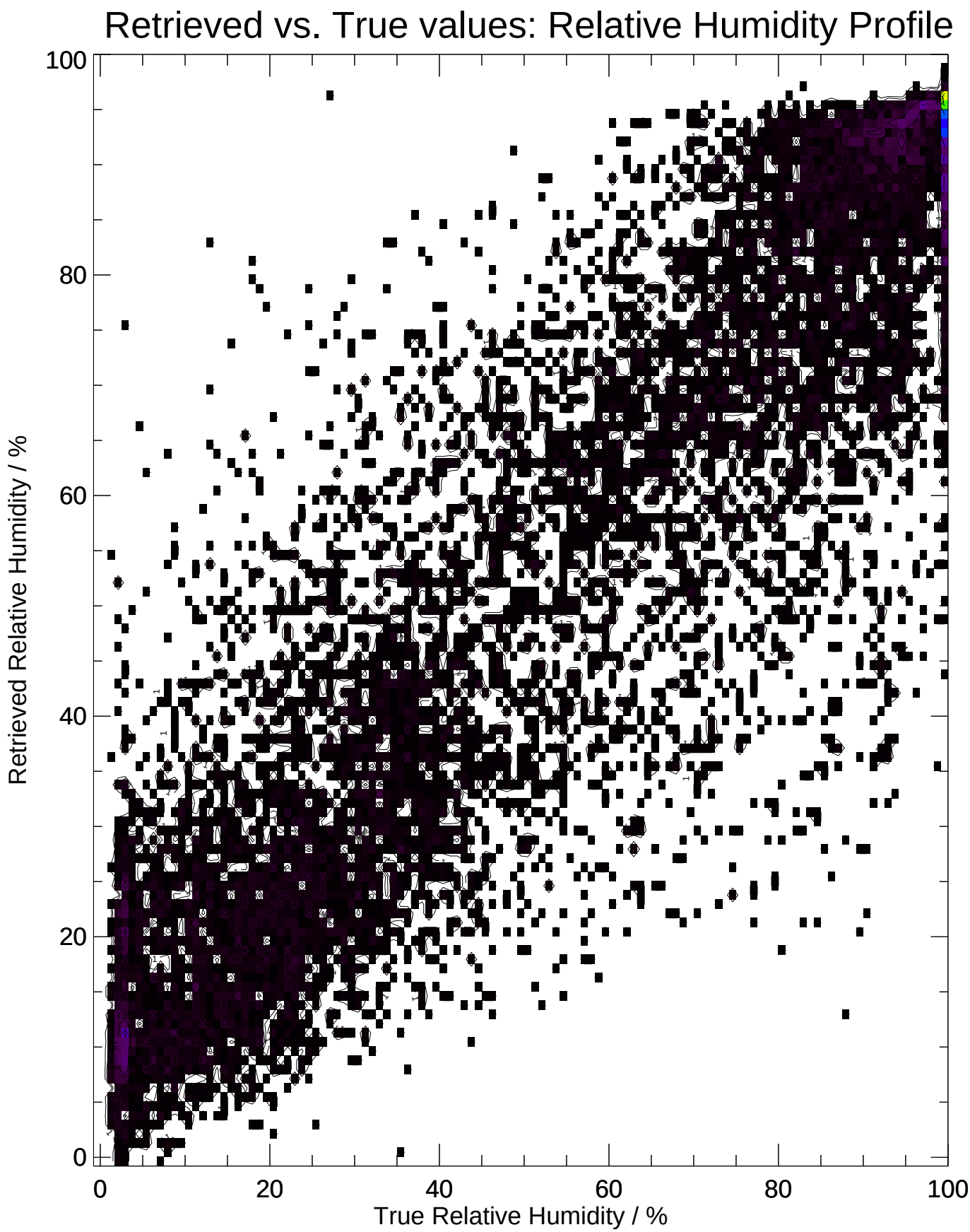

Relative Error (amplitude dependent)
Z = 3650 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=800
N=563
N=501
N=590
N=497
N=536
N=532
N=400
N=372
N=404
N=441
N=571
N=610
N=823
N=878
N=1302

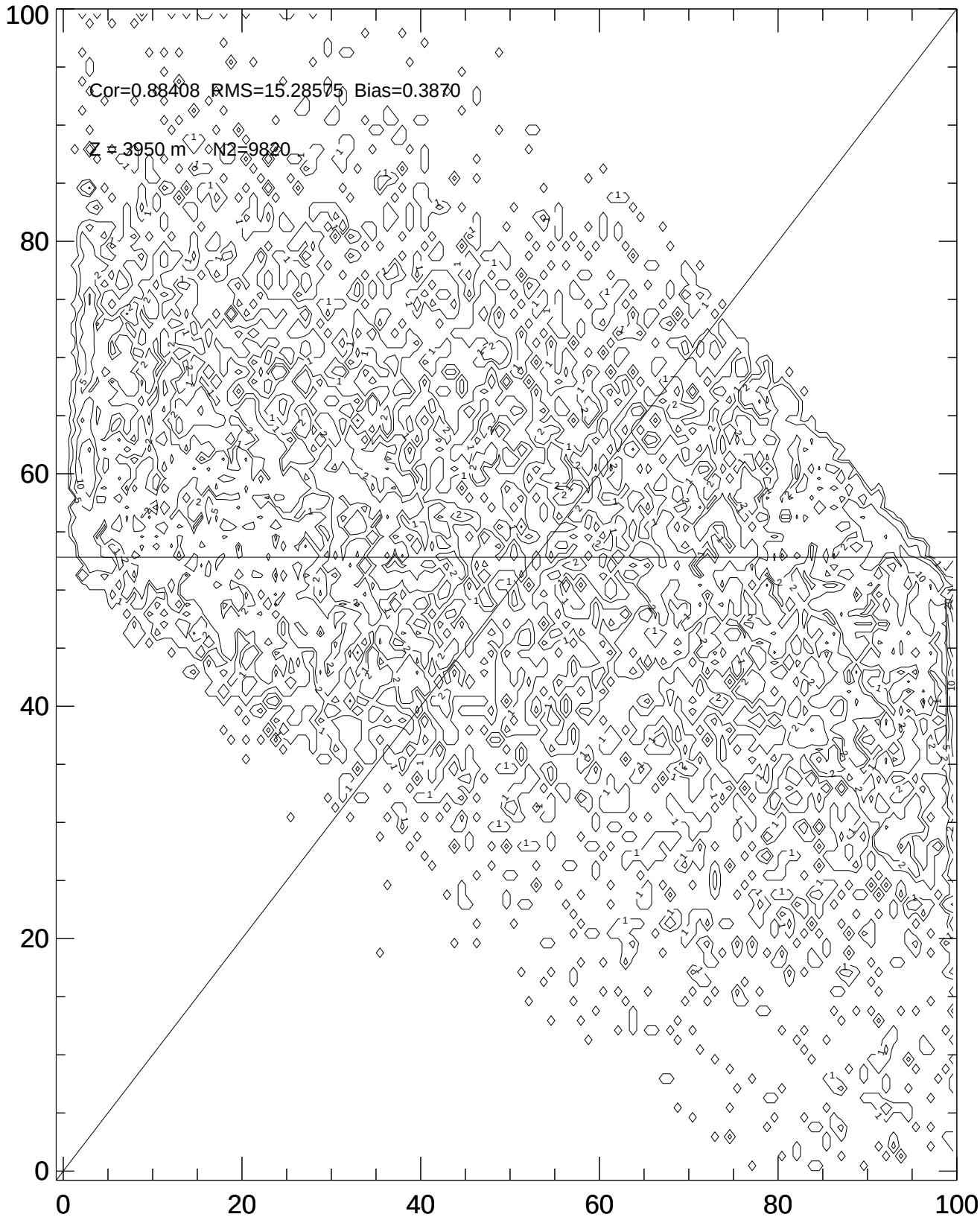

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

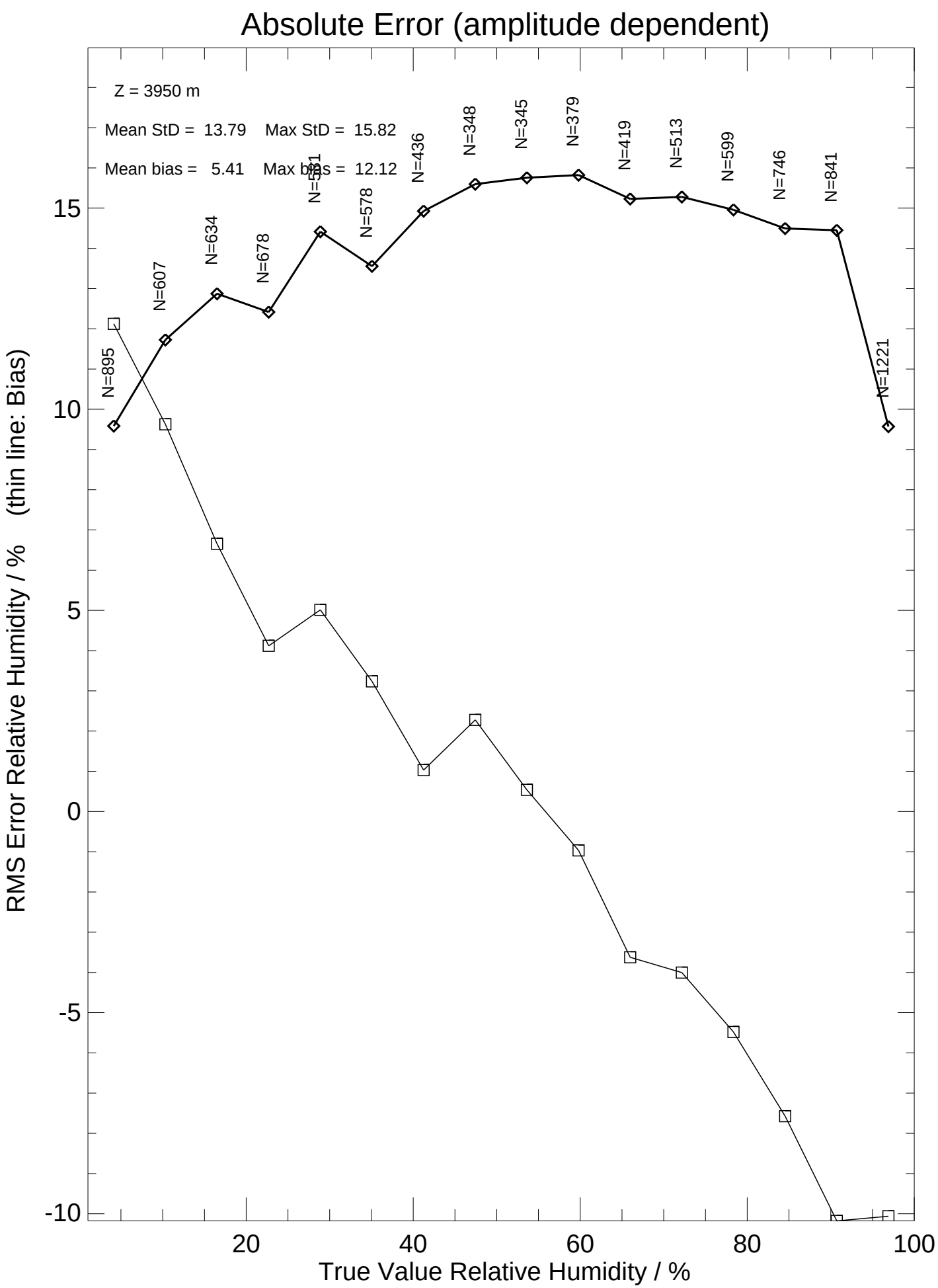

Cor=0.88139 RMS=15.34500 Bias=0.2085
Z= 3800 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

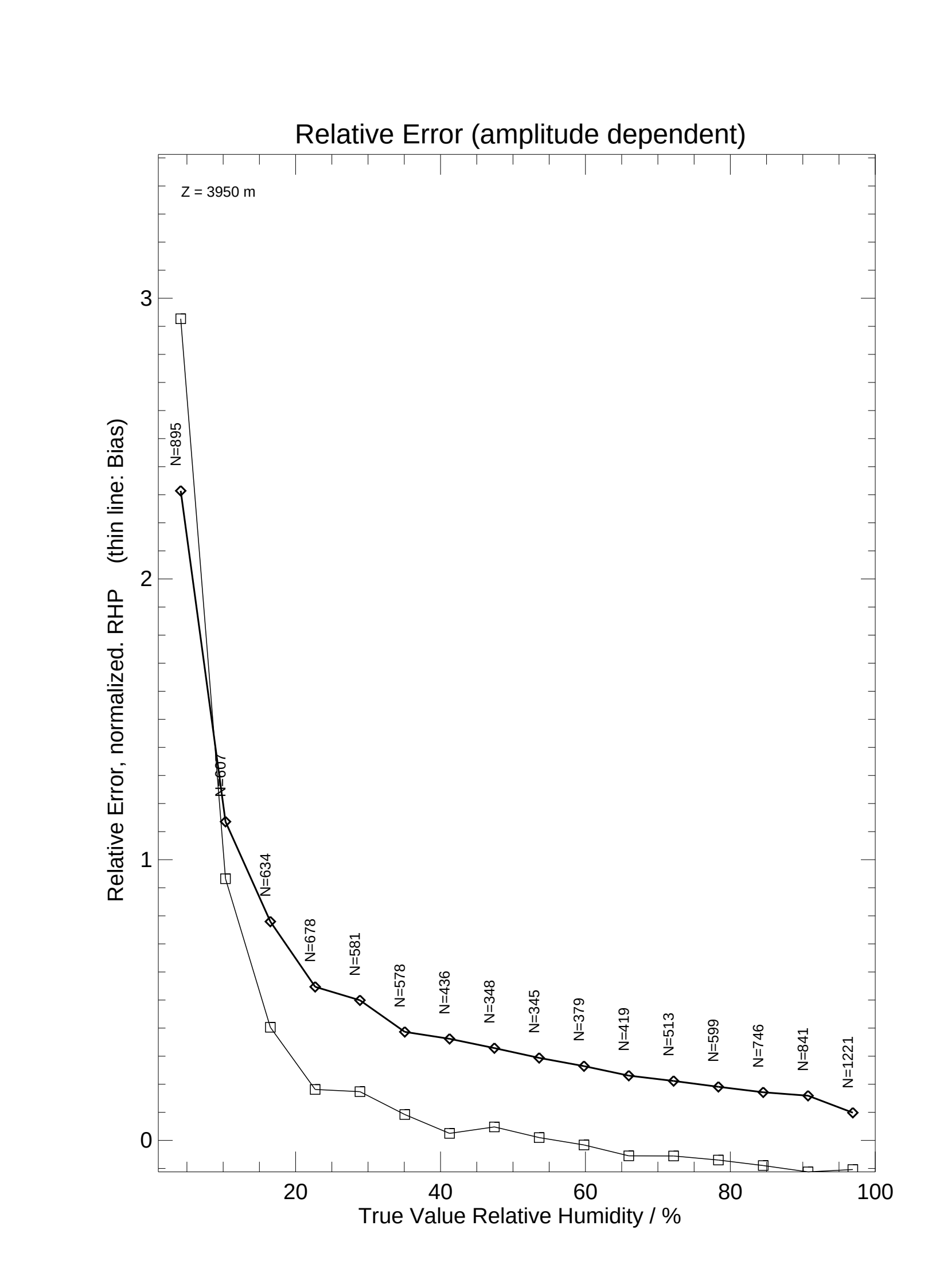

Absolute Error (amplitude dependent)
Z = 3800 m
Mean StD = 13.71 Max StD = 16.35
Mean bias = 5.51 Max bias = 13.20
N=861
N=571
N=584
N=639
N=536
N=558
N=496
N=372
N=341
N=388
N=408
N=555
N=598
N=788
N=855
N=1270
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100

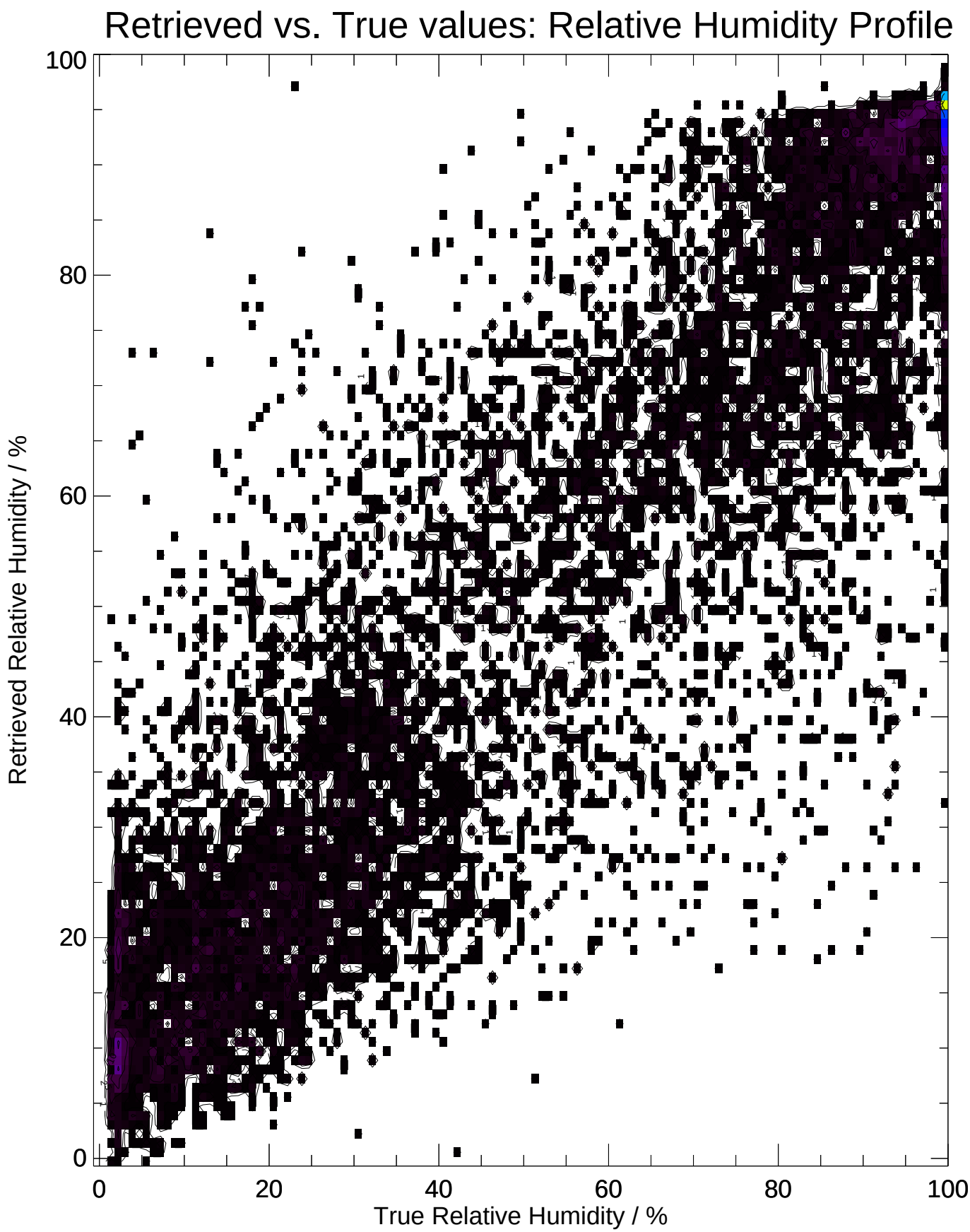

Relative Error (amplitude dependent)
Z = 3800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=861
N=571
N=584
N=639
N=536
N=558
N=496
N=372
N=341
N=388
N=408
N=555
N=598
N=788
N=855
N=1270

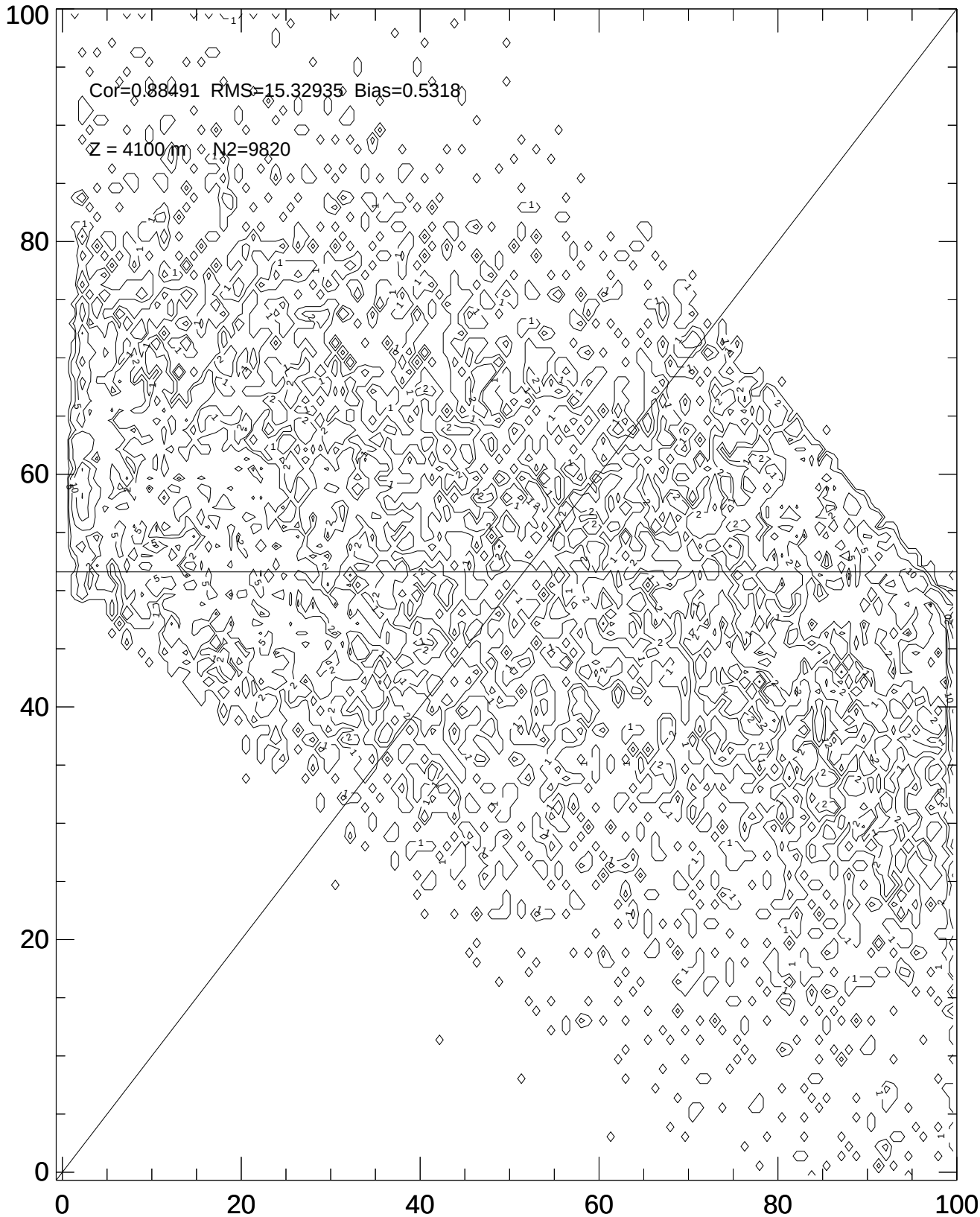

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

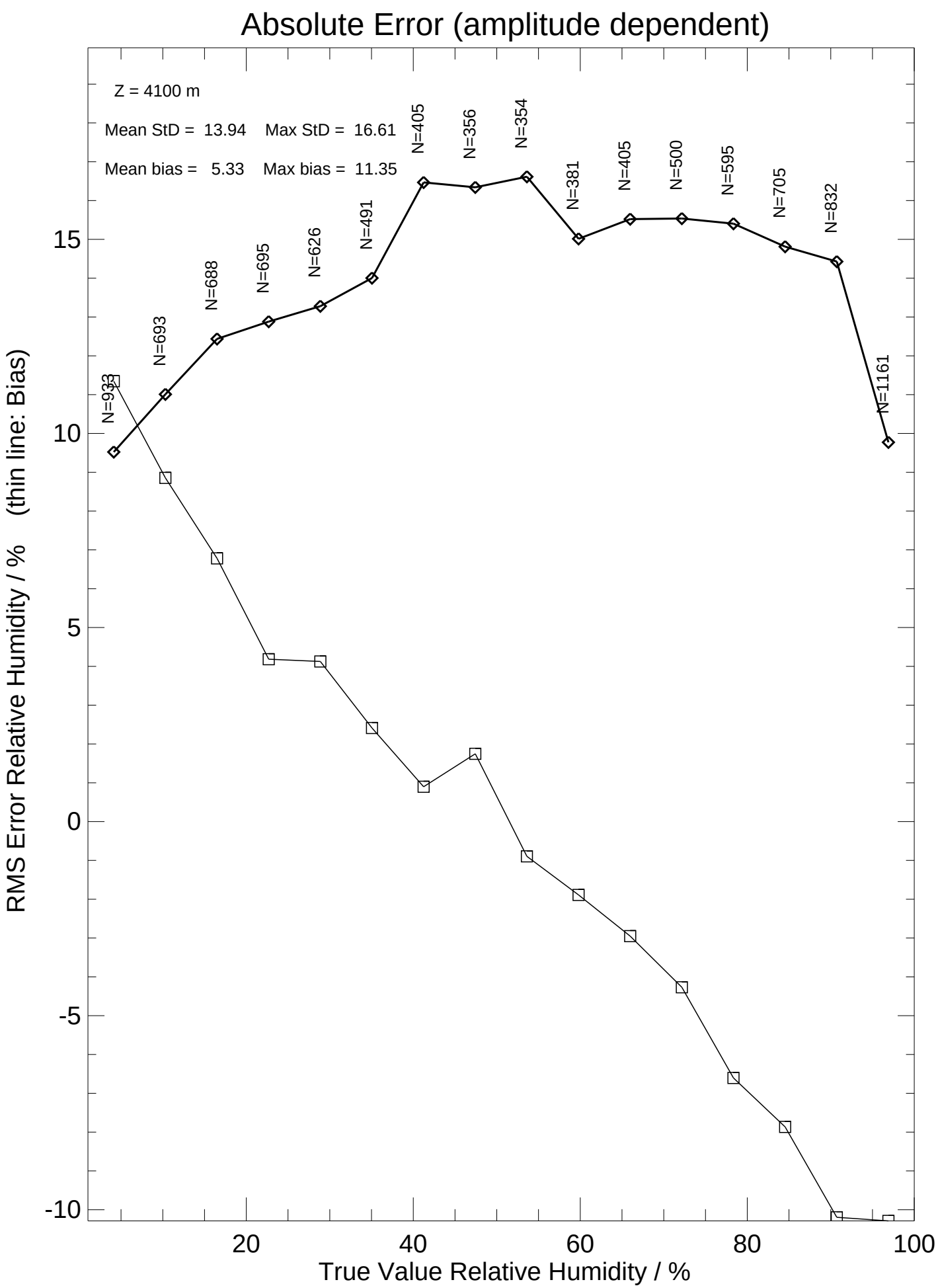

Cor=0.88408 RMS=15.28575 Bias=0.3870
Z = 3950 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

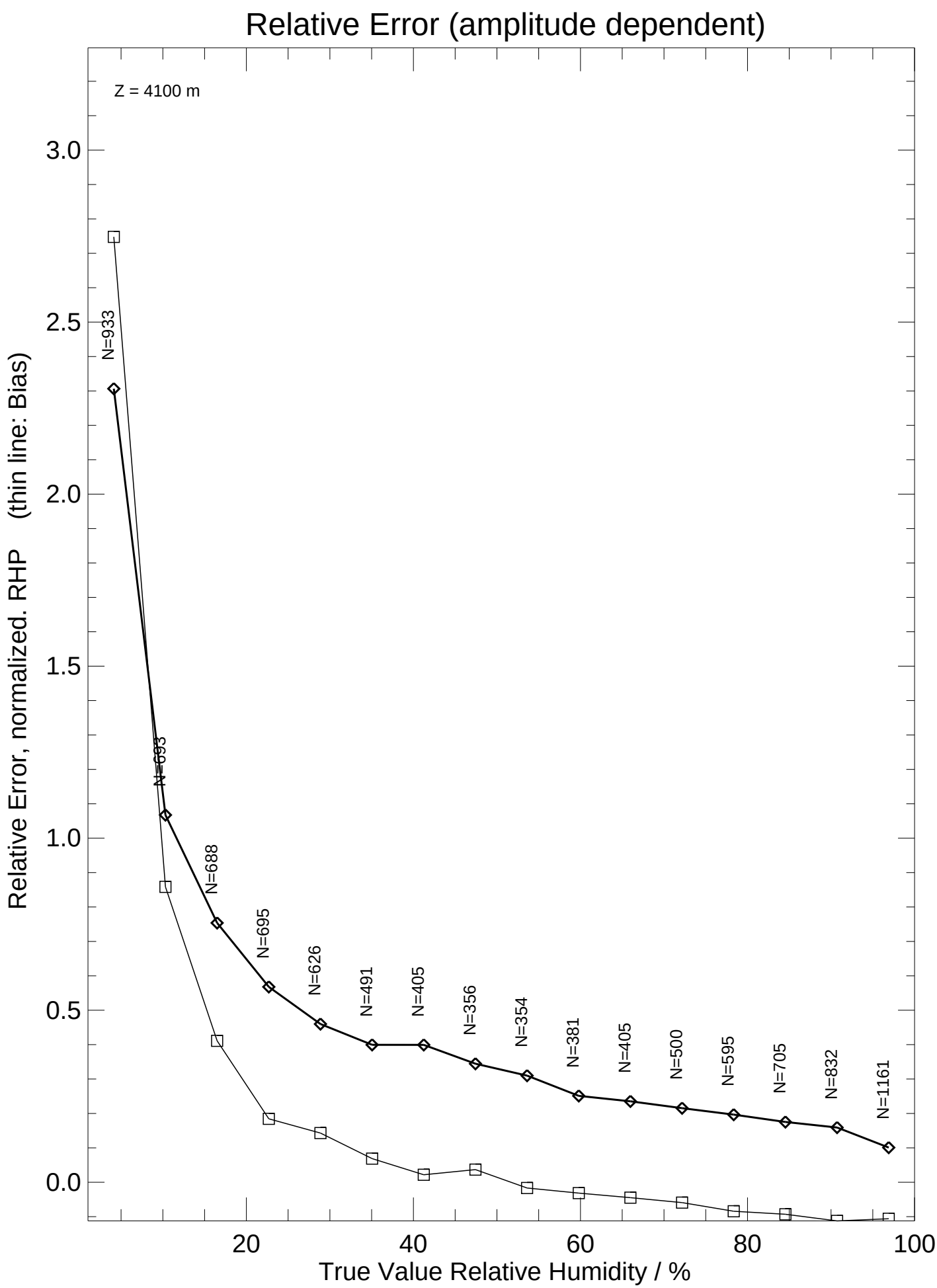

Absolute Error (amplitude dependent)
Z = 3950 m
Mean StD = 13.79 Max StD = 15.82
Mean bias = 5.41 Max bias = 12.12
N=895
N=607
N=634
N=678
N=561
N=578
N=436
N=348
N=345
N=379
N=419
N=513
N=599
N=746
N=841
N=1221
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
-10
20
40
60
80
100

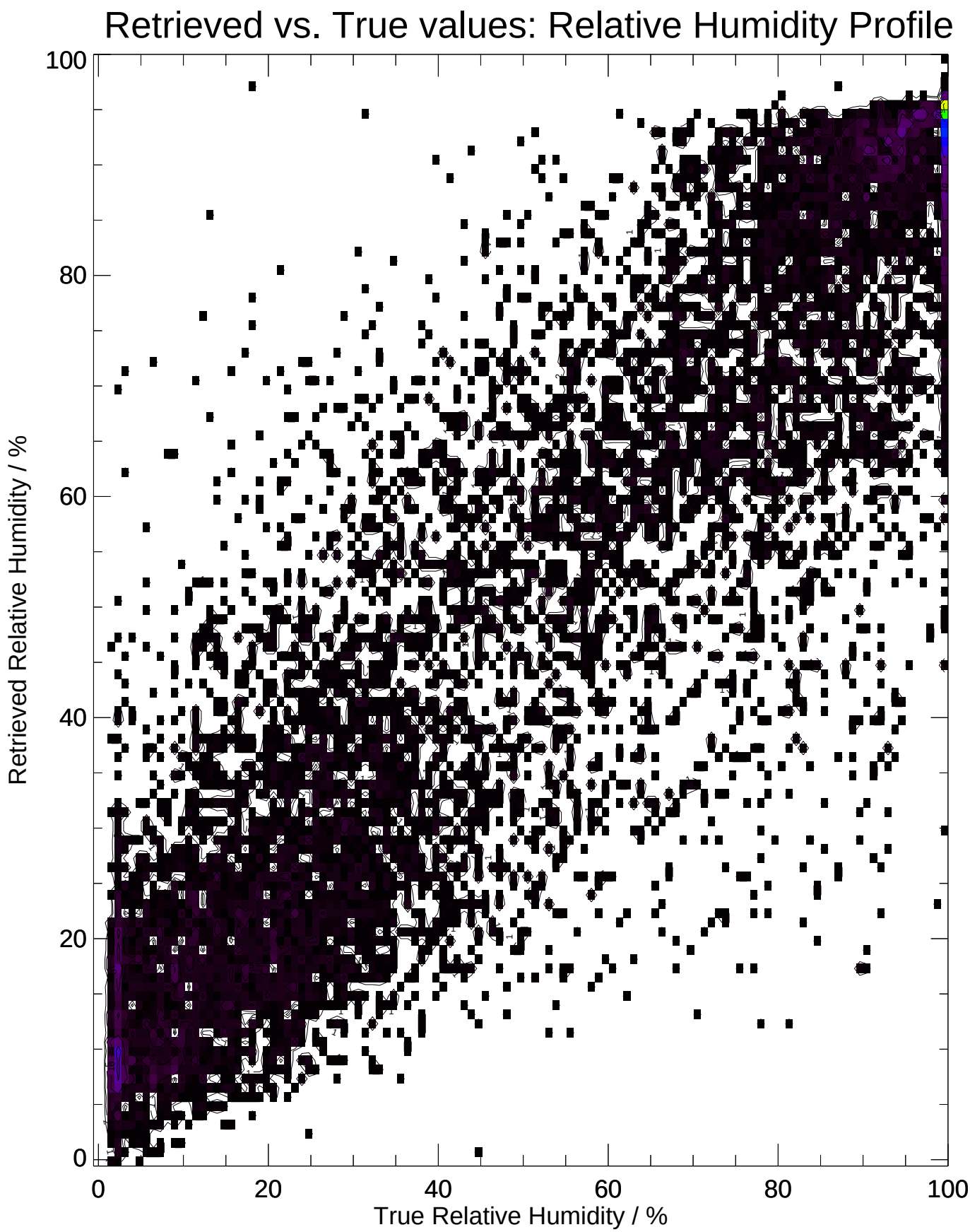

Relative Error (amplitude dependent)
Z = 3950 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=895
N=607
N=634
N=678
N=581
N=578
N=436
N=348
N=345
N=379
N=419
N=513
N=599
N=746
N=841
N=1221

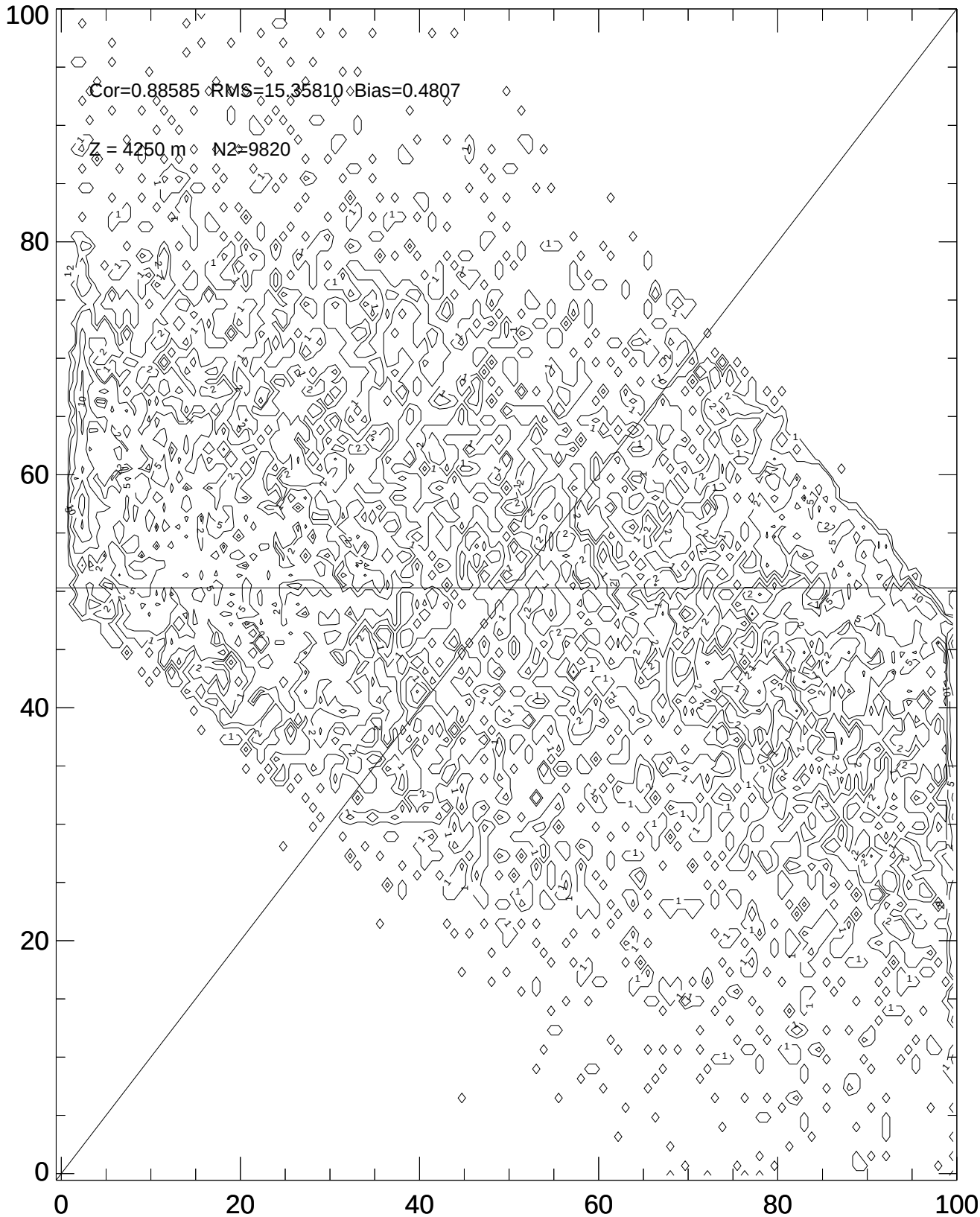

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

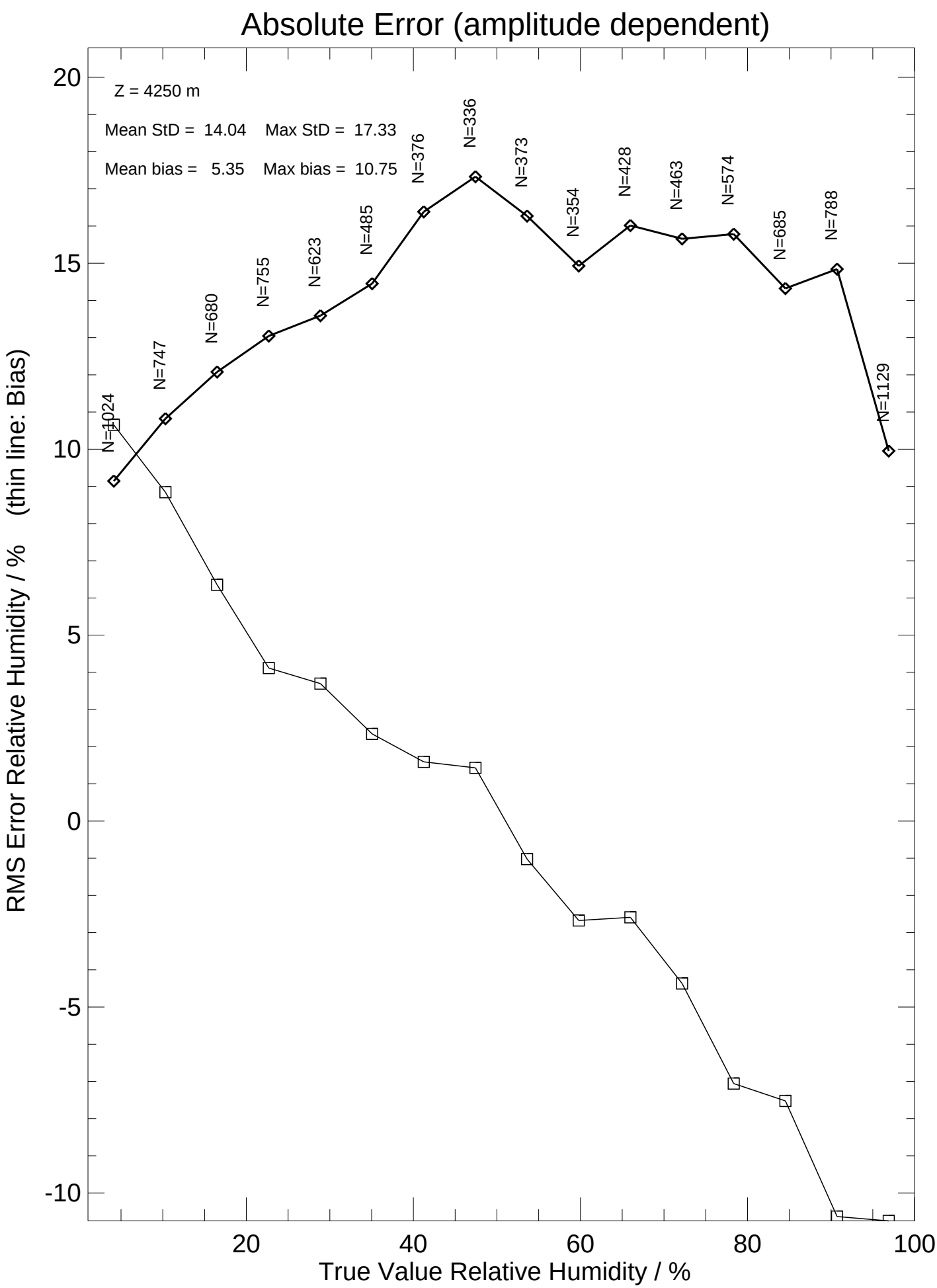

Cor=0.88491 RMS=15.32935 Bias=0.5318
Z = 4100 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

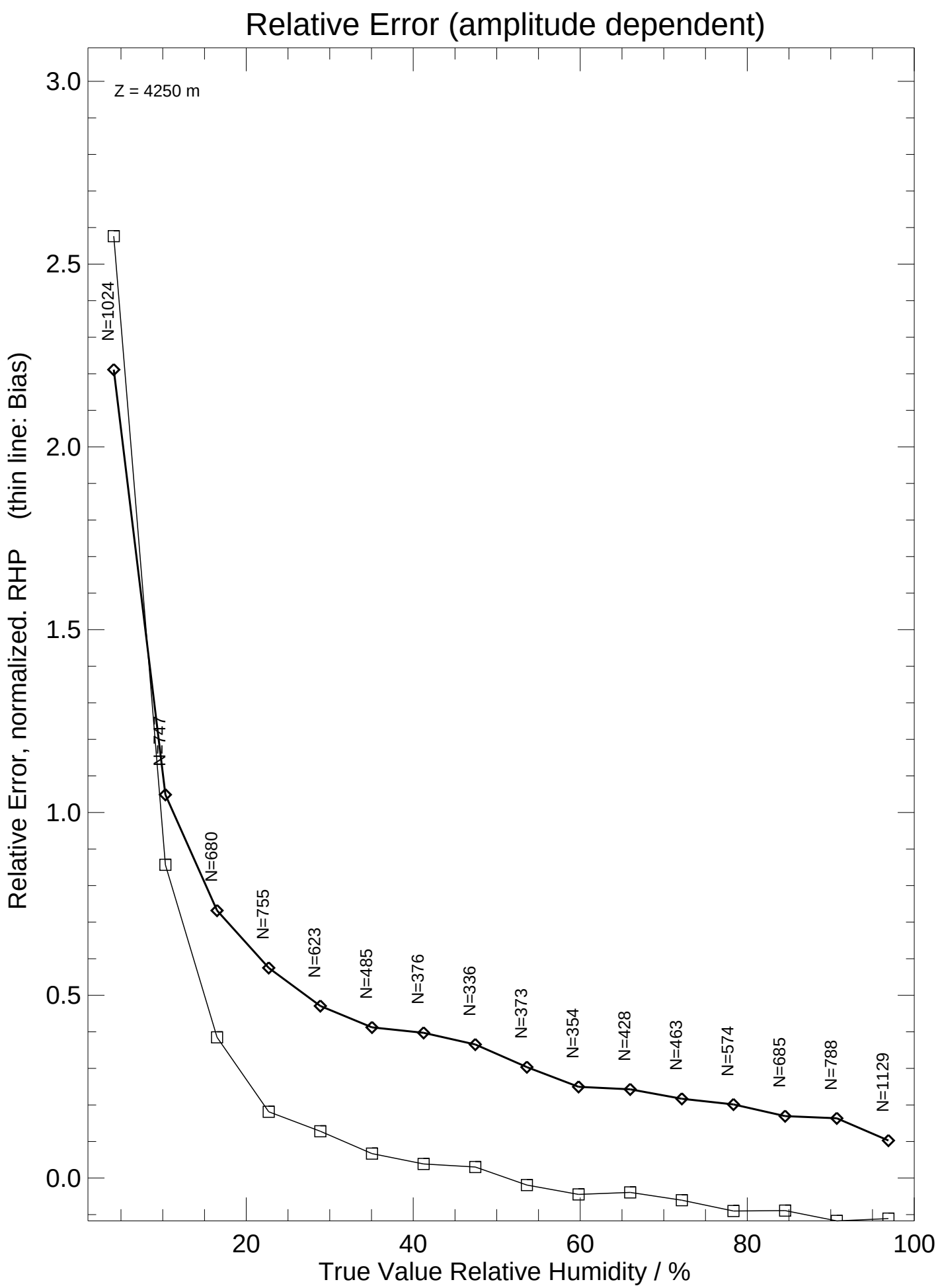

Absolute Error (amplitude dependent)
Z = 4100 m
Mean StD = 13.94 Max StD = 16.61
Mean bias = 5.33 Max bias = 11.35
N=933
N=693
N=688
N=695
N=626
N=491
N=405
N=356
N=354
N=381
N=405
N=500
N=595
N=705
N=832
N=1161
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
-10
20
40
60
80
100

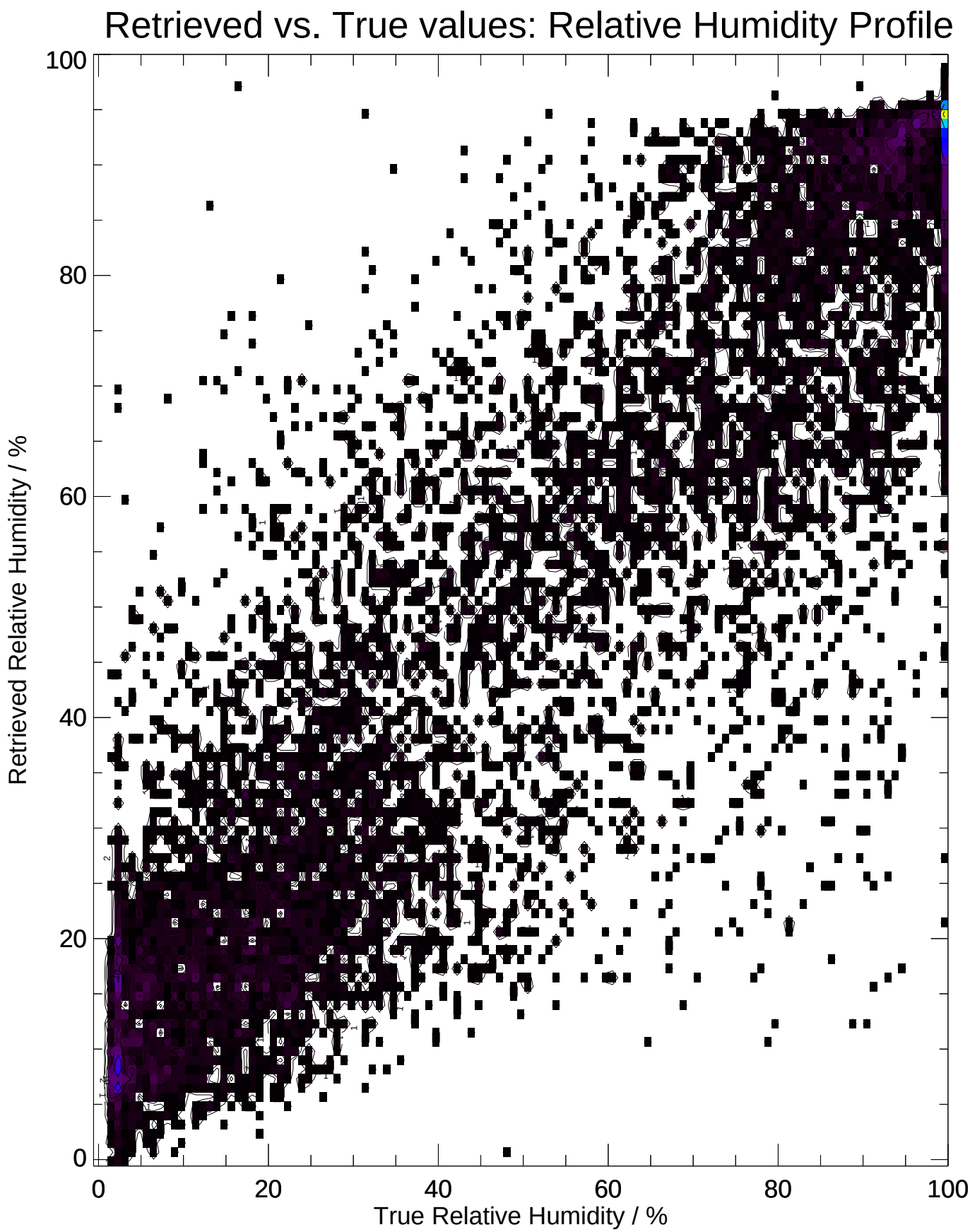

Relative Error (amplitude dependent)
Z = 4100 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=933
N=693
N=688
N=695
N=626
N=491
N=405
N=356
N=354
N=381
N=405
N=500
N=595
N=705
N=832
N=1161

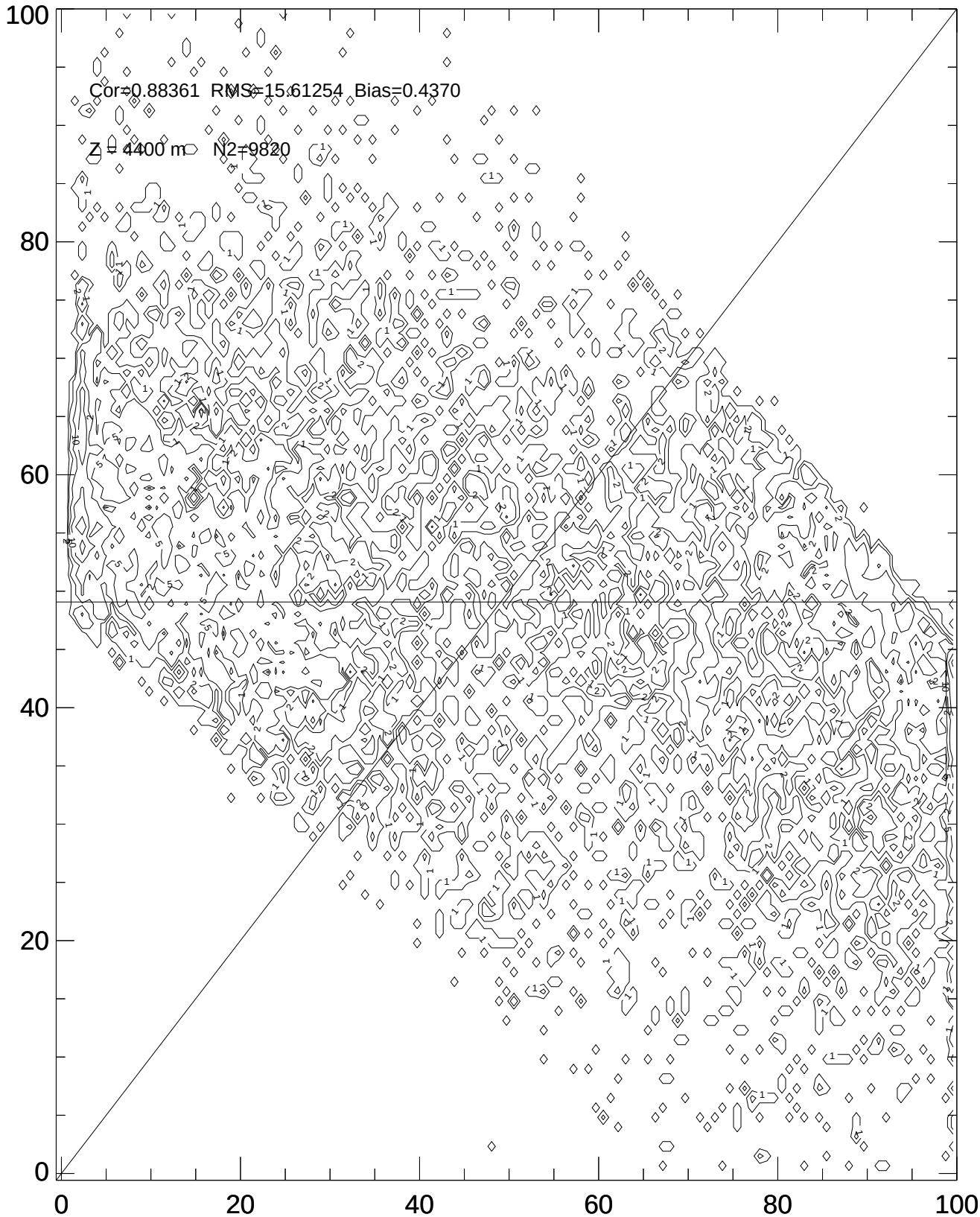

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

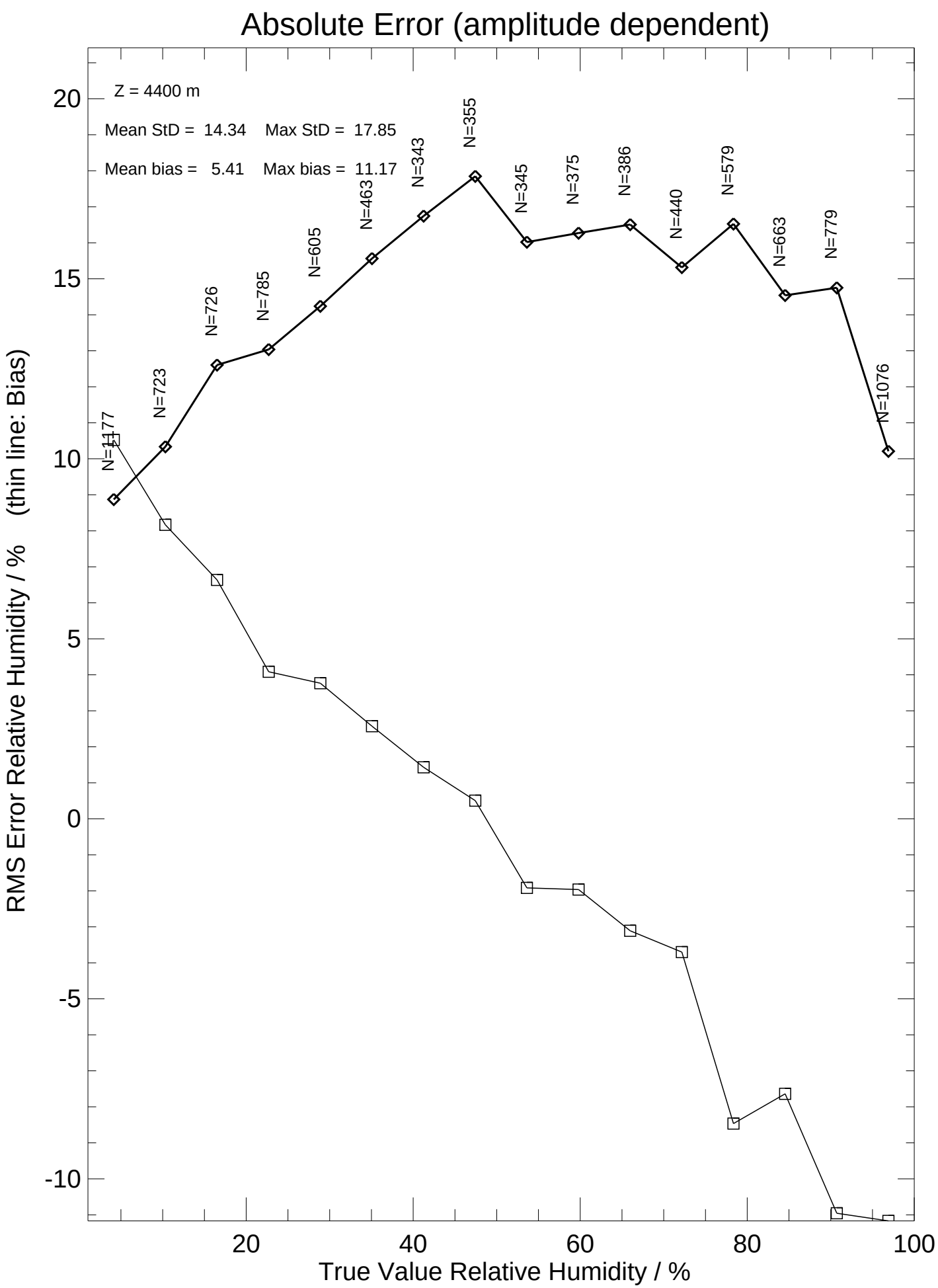

Cor=0.88585 ◇RMS=15.35810 ◇Bias=0.4807
Z = 4250 m ◇ N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

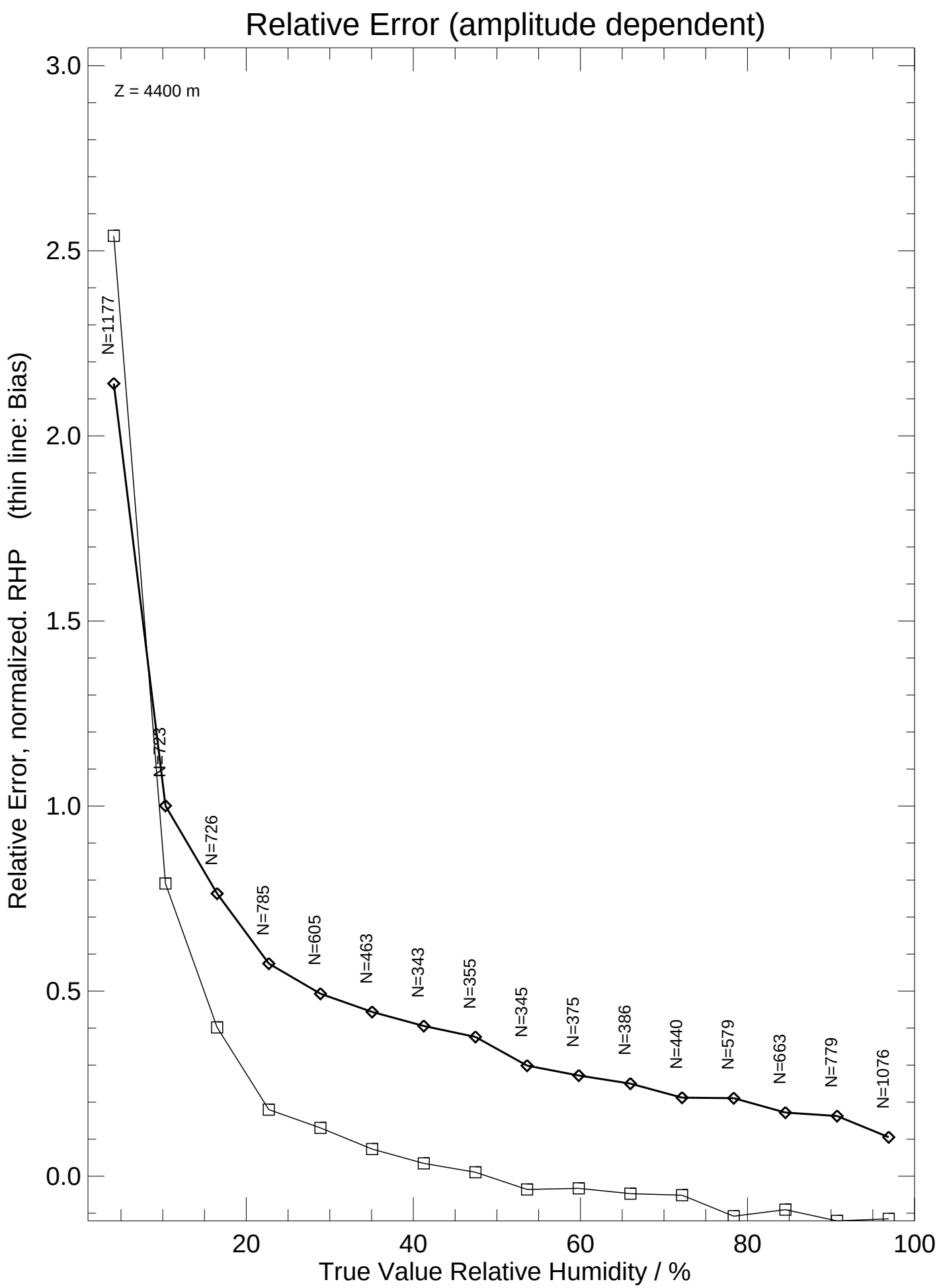

Absolute Error (amplitude dependent)
Z = 4250 m
Mean StD = 14.04 Max StD = 17.33
Mean bias = 5.35 Max bias = 10.75
N=1024
N=747
N=680
N=755
N=623
N=485
N=376
N=336
N=373
N=354
N=428
N=463
N=574
N=685
N=788
N=1129
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

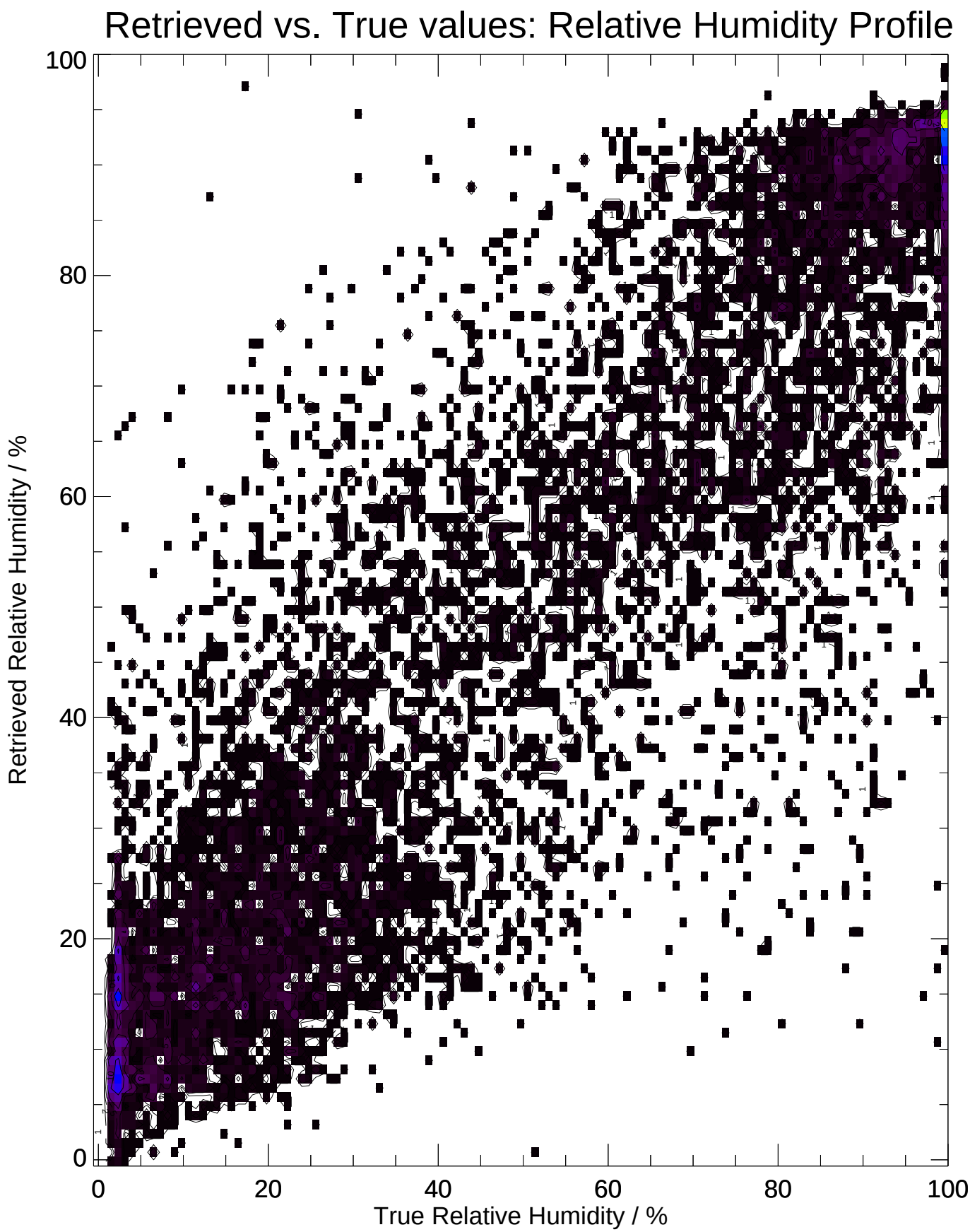

Relative Error (amplitude dependent)
Z = 4250 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1024
N=747
N=680
N=755
N=623
N=485
N=376
N=336
N=373
N=354
N=428
N=463
N=574
N=685
N=788
N=1129

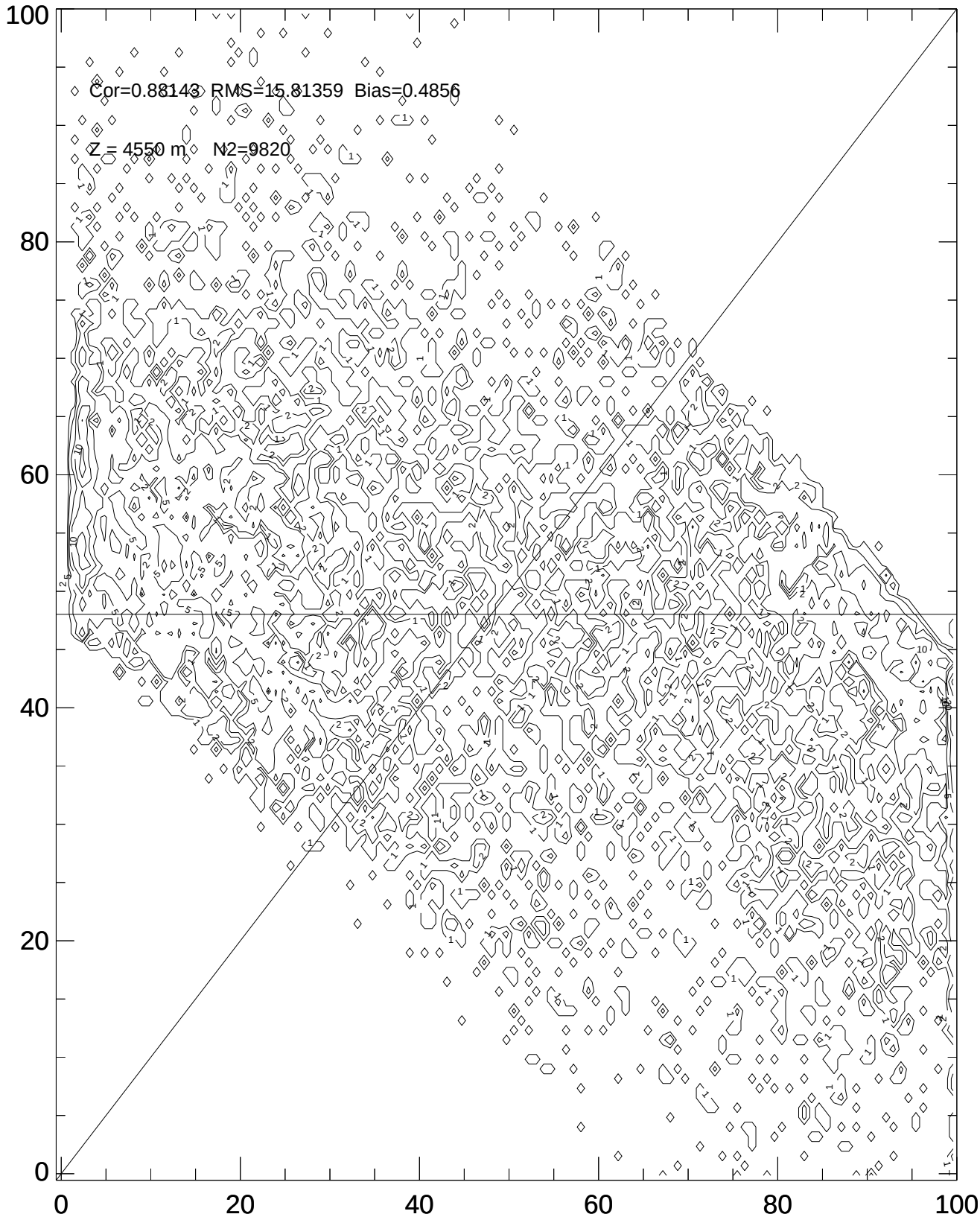

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

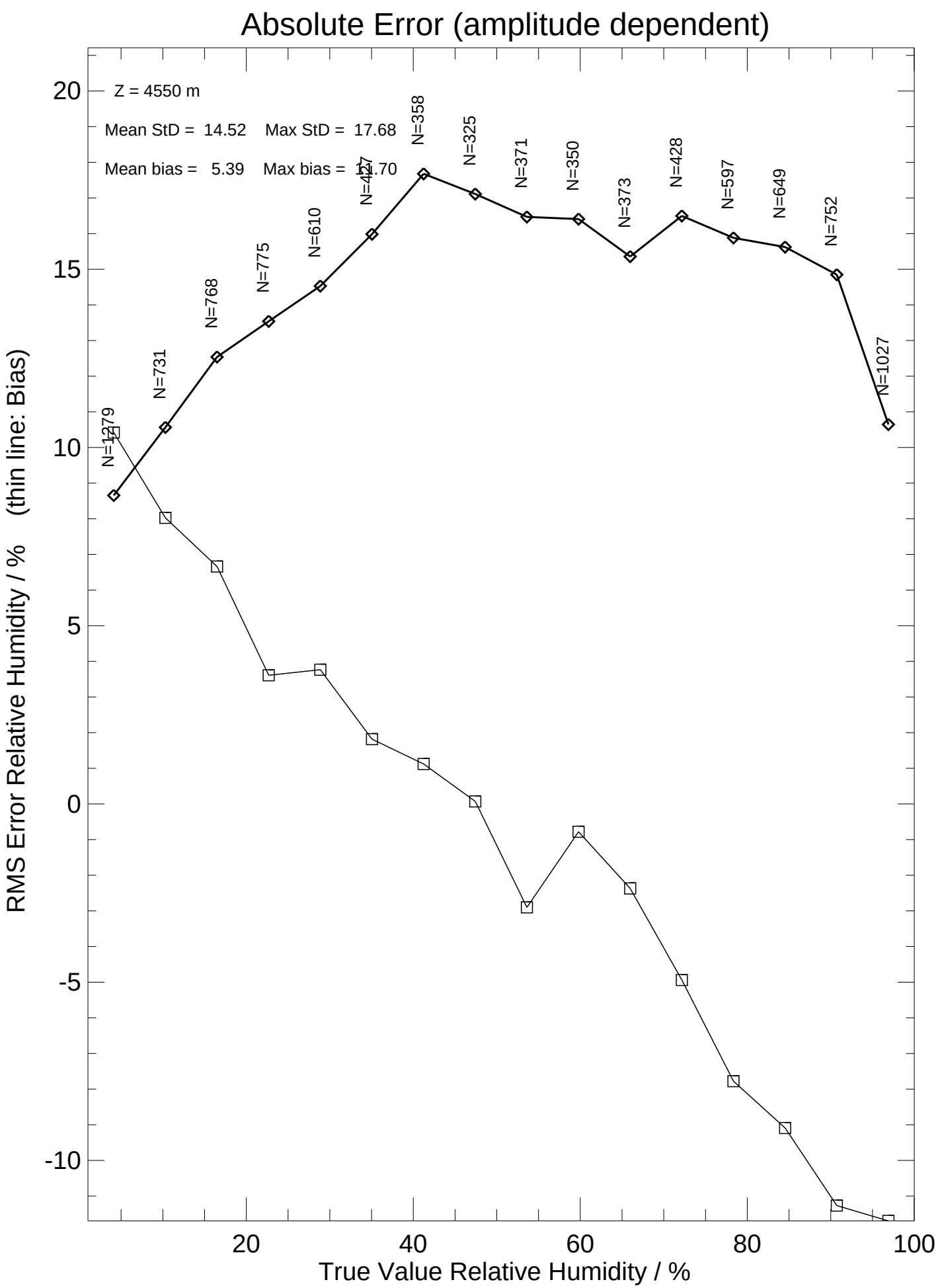

Cor=0.88361 RMS=15.61254 Bias=0.4370
Z = 4400 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

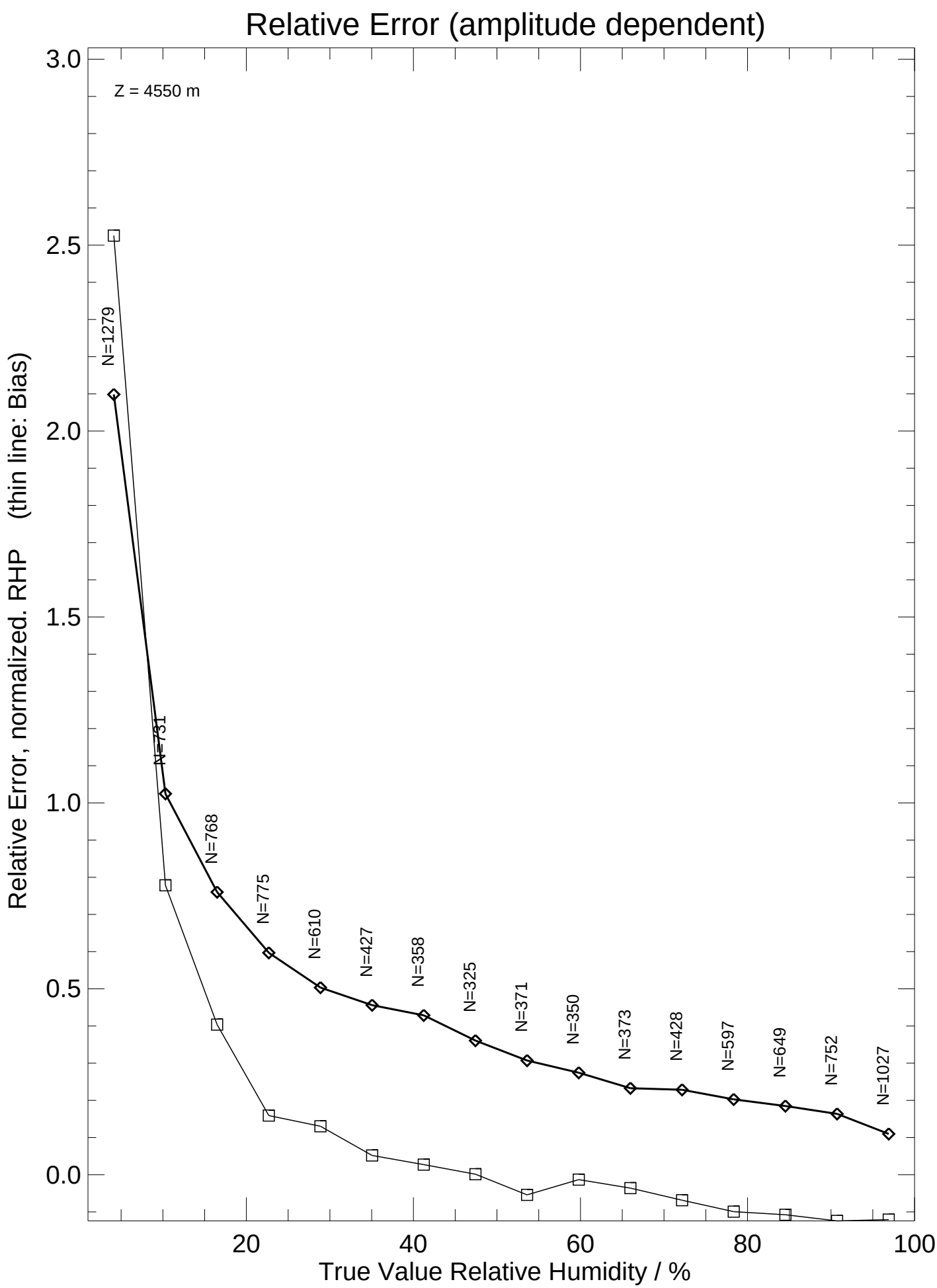

Absolute Error (amplitude dependent)
Z = 4400 m
Mean StD = 14.34 Max StD = 17.85
Mean bias = 5.41 Max bias = 11.17
N=1177
N=723
N=726
N=785
N=605
N=463
N=343
N=355
N=345
N=375
N=386
N=440
N=579
N=663
N=779
N=1076
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

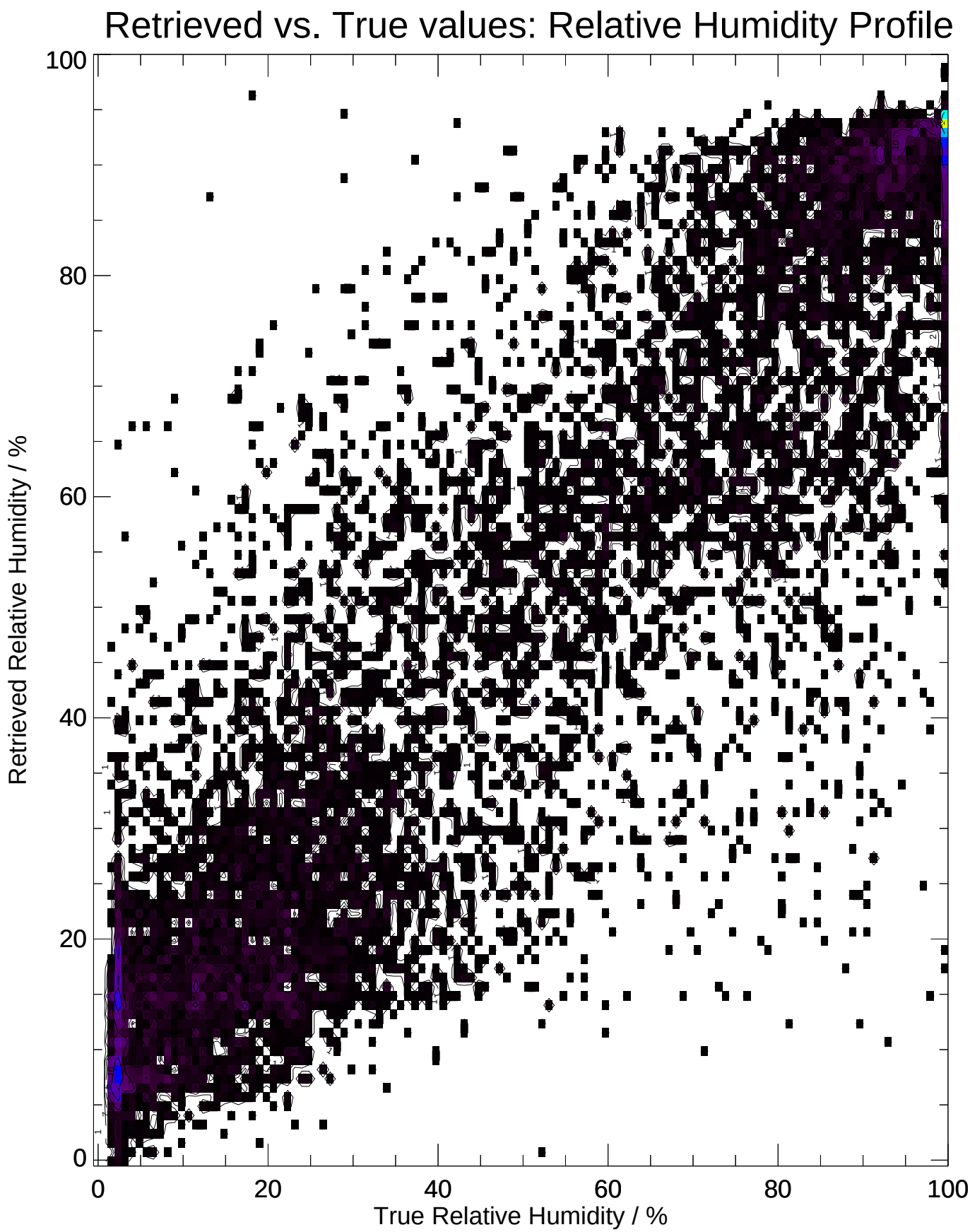

Relative Error (amplitude dependent)
Z = 4400 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1177
N=723
N=726
N=785
N=605
N=463
N=343
N=355
N=345
N=375
N=386
N=440
N=579
N=663
N=779
N=1076

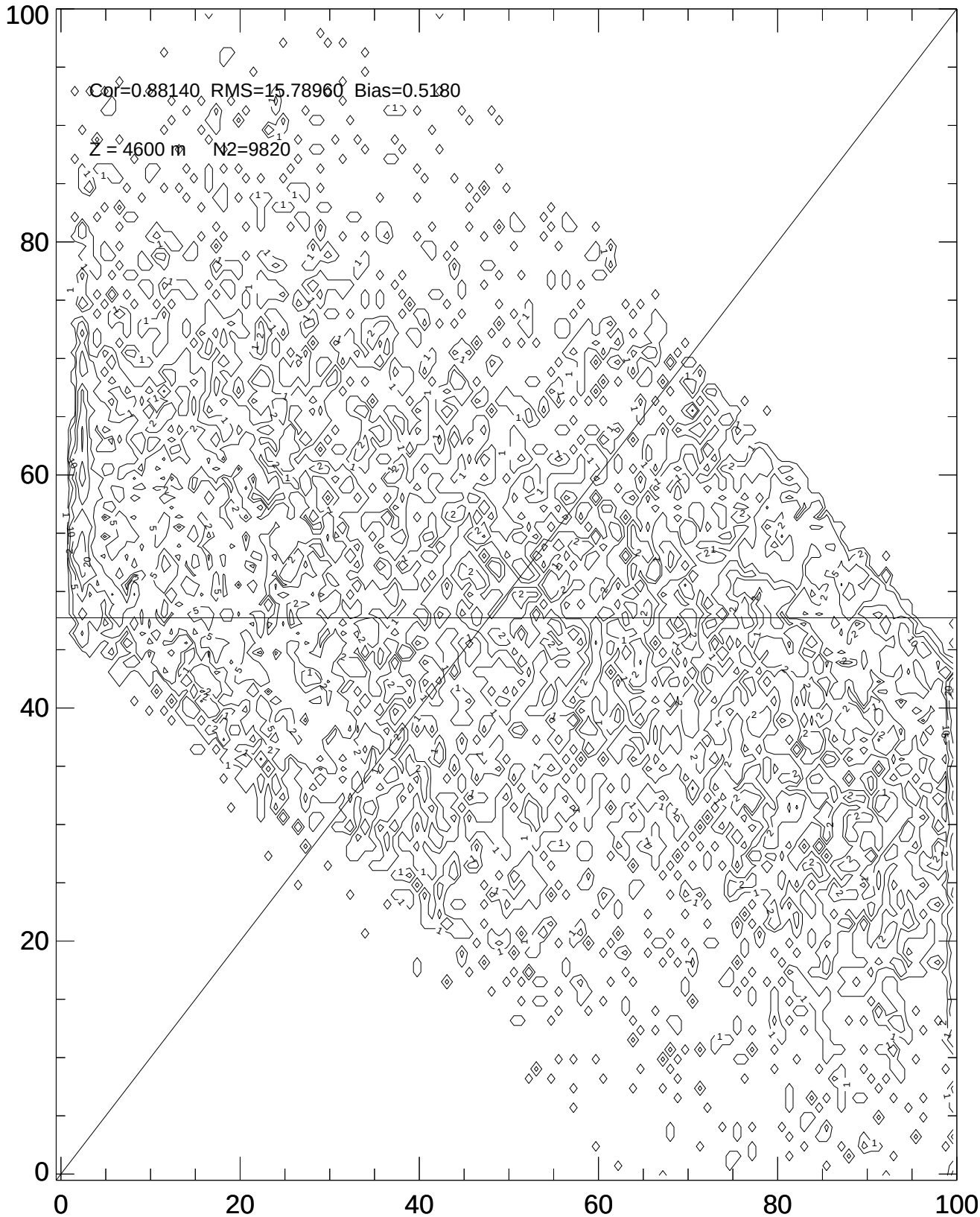

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

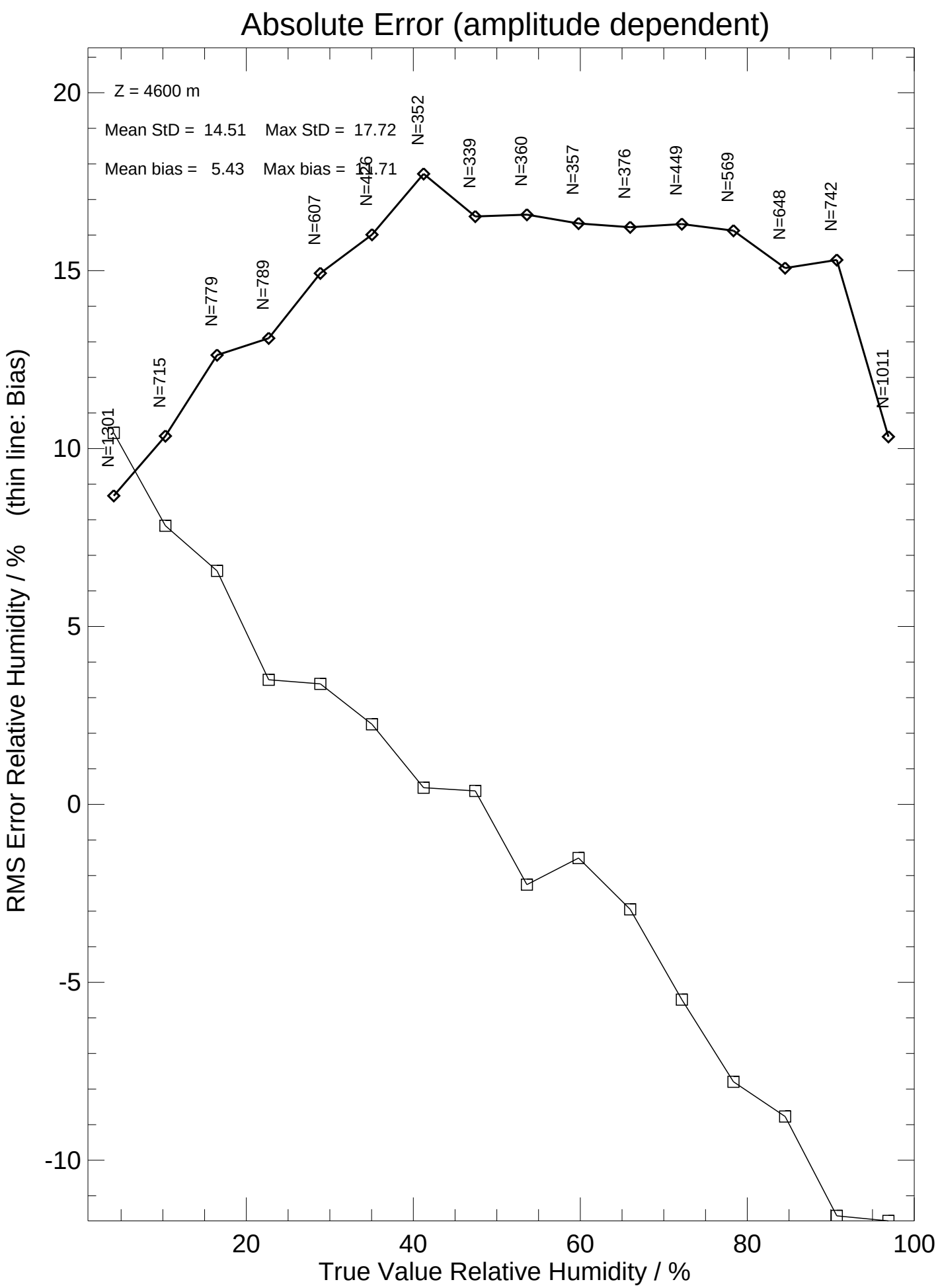

Cor=0.88143 RMS=15.81359 Bias=0.4856
Z = 4550 m N2=9820
0
20
40
60
80
100

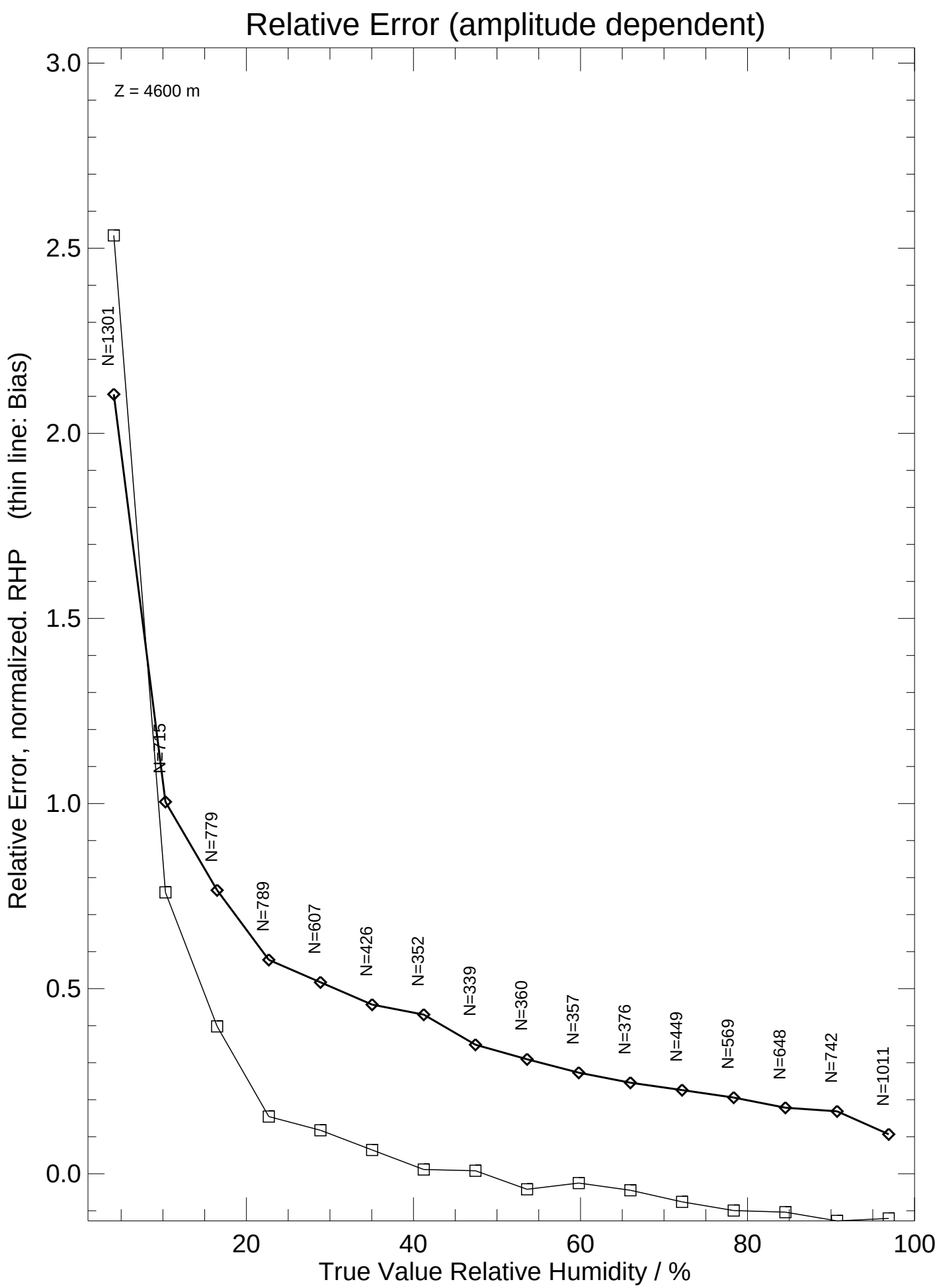

Absolute Error (amplitude dependent)
Z = 4550 m
Mean StD = 14.52 Max StD = 17.68
Mean bias = 5.39 Max bias = 11.70
N=1279
N=731
N=768
N=775
N=610
N=427
N=358
N=325
N=371
N=350
N=373
N=428
N=597
N=649
N=752
N=1027
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

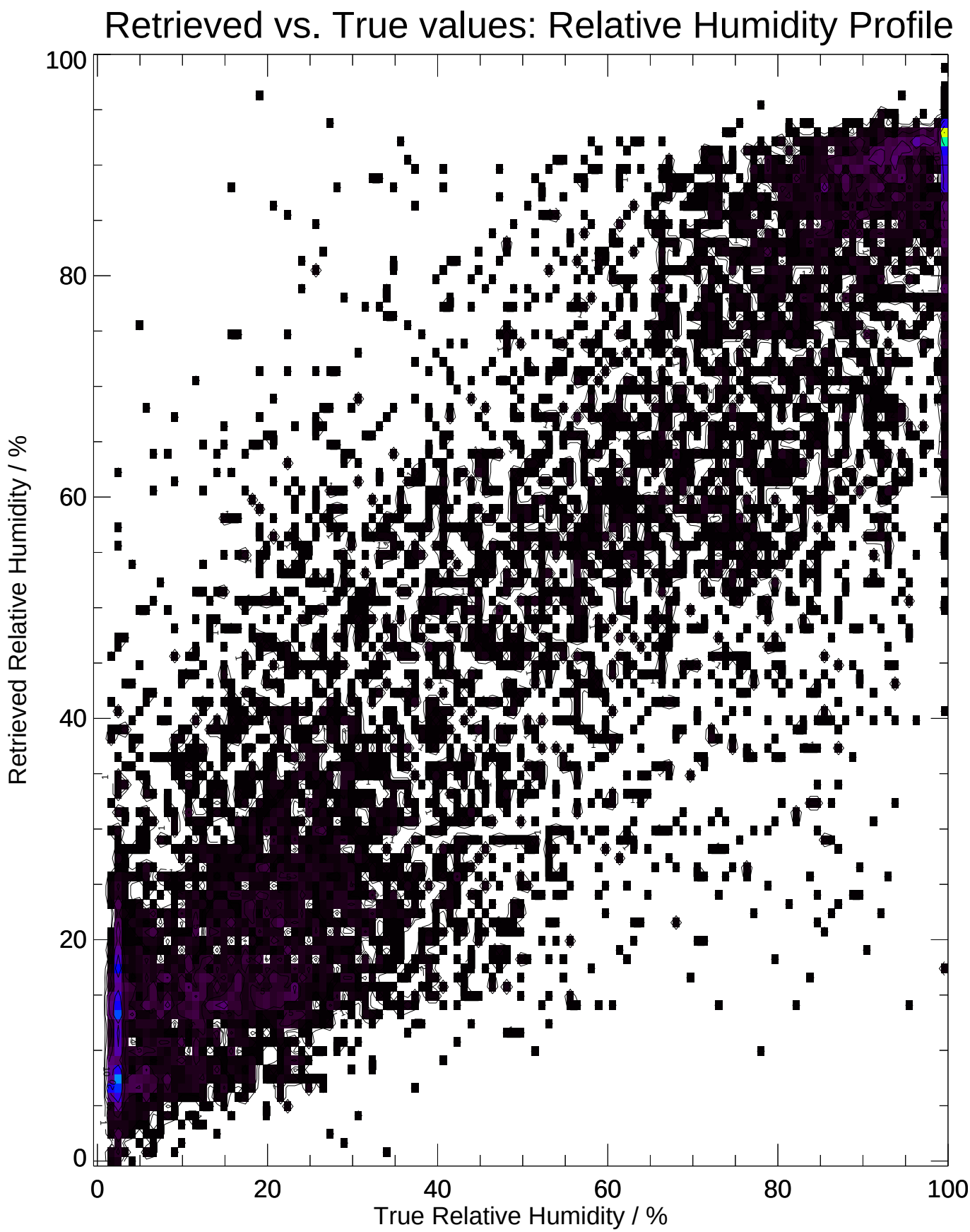

Relative Error (amplitude dependent)
Z = 4550 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1279
N=731
N=768
N=775
N=610
N=427
N=358
N=325
N=371
N=350
N=373
N=428
N=597
N=649
N=752
N=1027

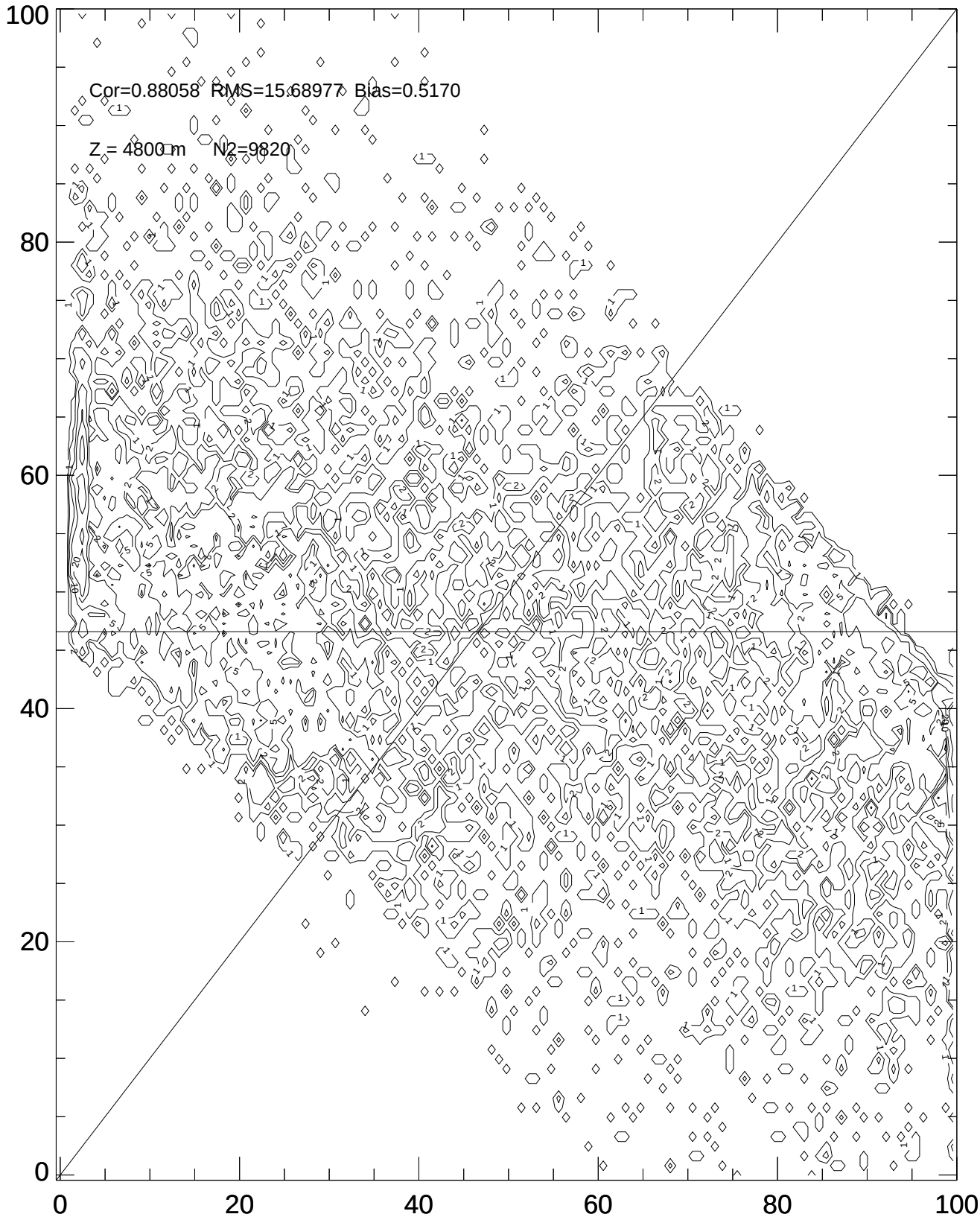

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

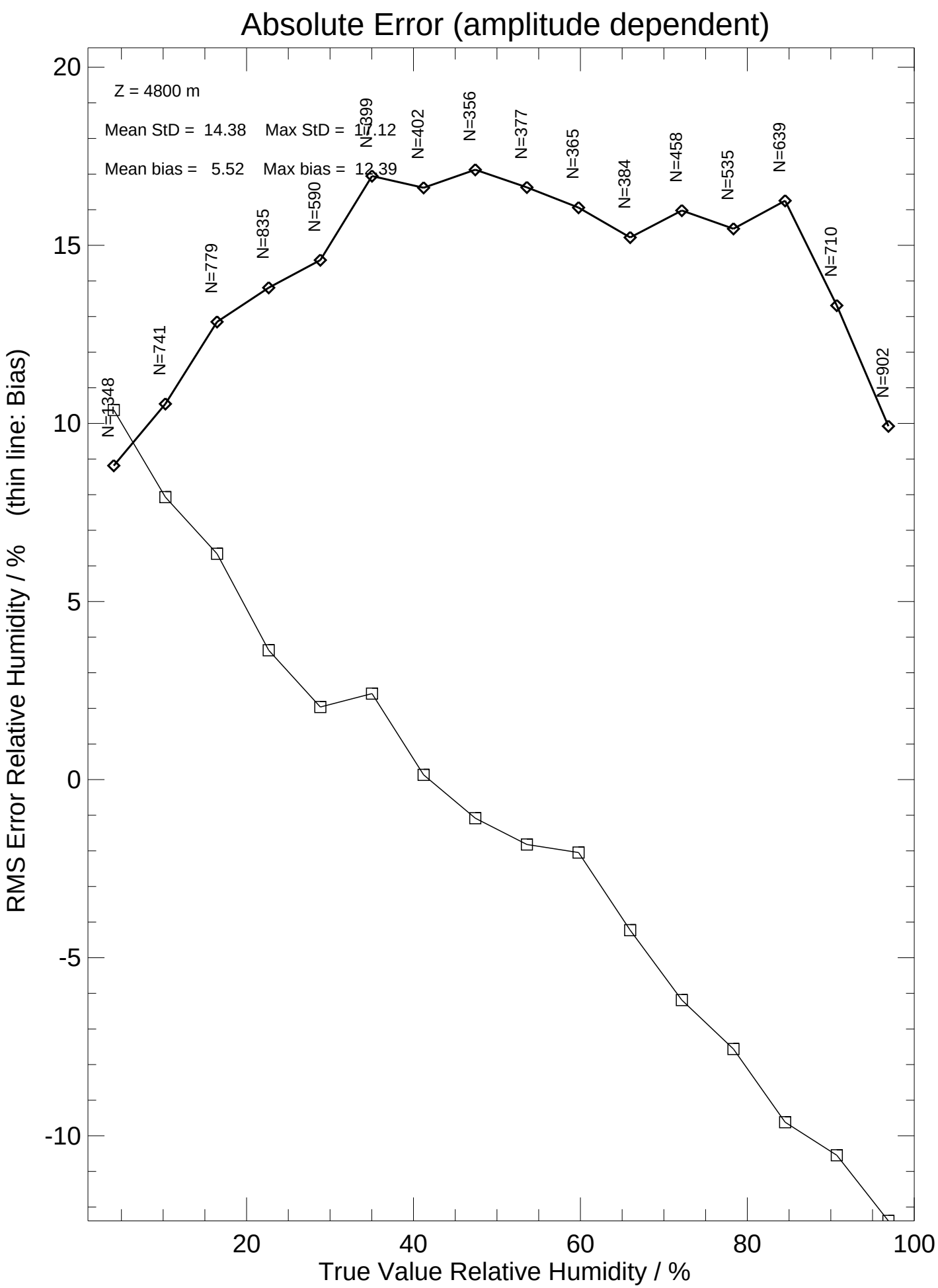

Cor=0.88140 RMS=15.78960 Bias=0.51180
Z = 4600 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

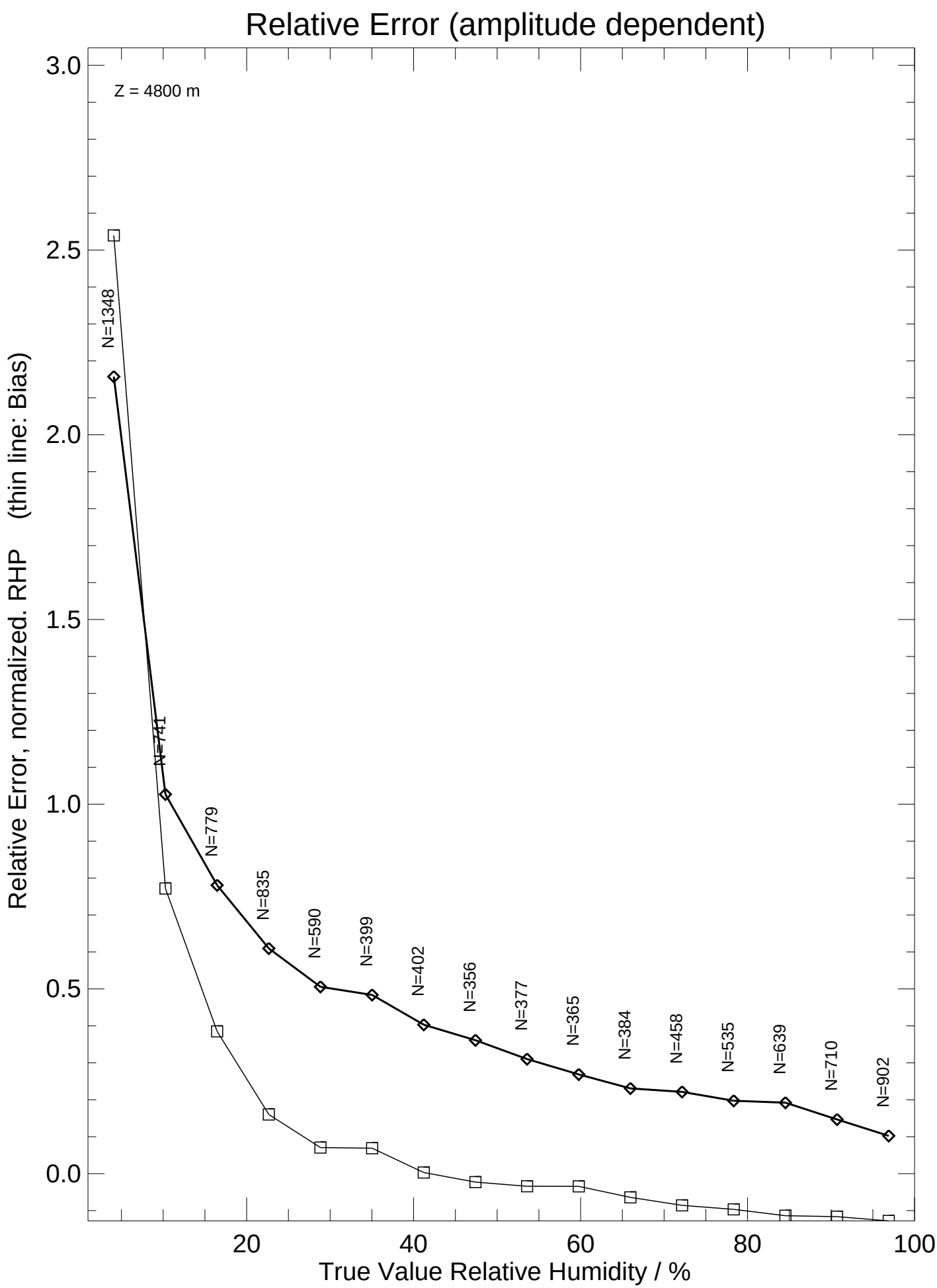

Absolute Error (amplitude dependent)
Z = 4600 m
Mean StD = 14.51 Max StD = 17.72
Mean bias = 5.43 Max bias = 11.71
N=1301
N=715
N=779
N=789
N=607
N=426
N=352
N=339
N=360
N=357
N=376
N=449
N=569
N=648
N=742
N=1011
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

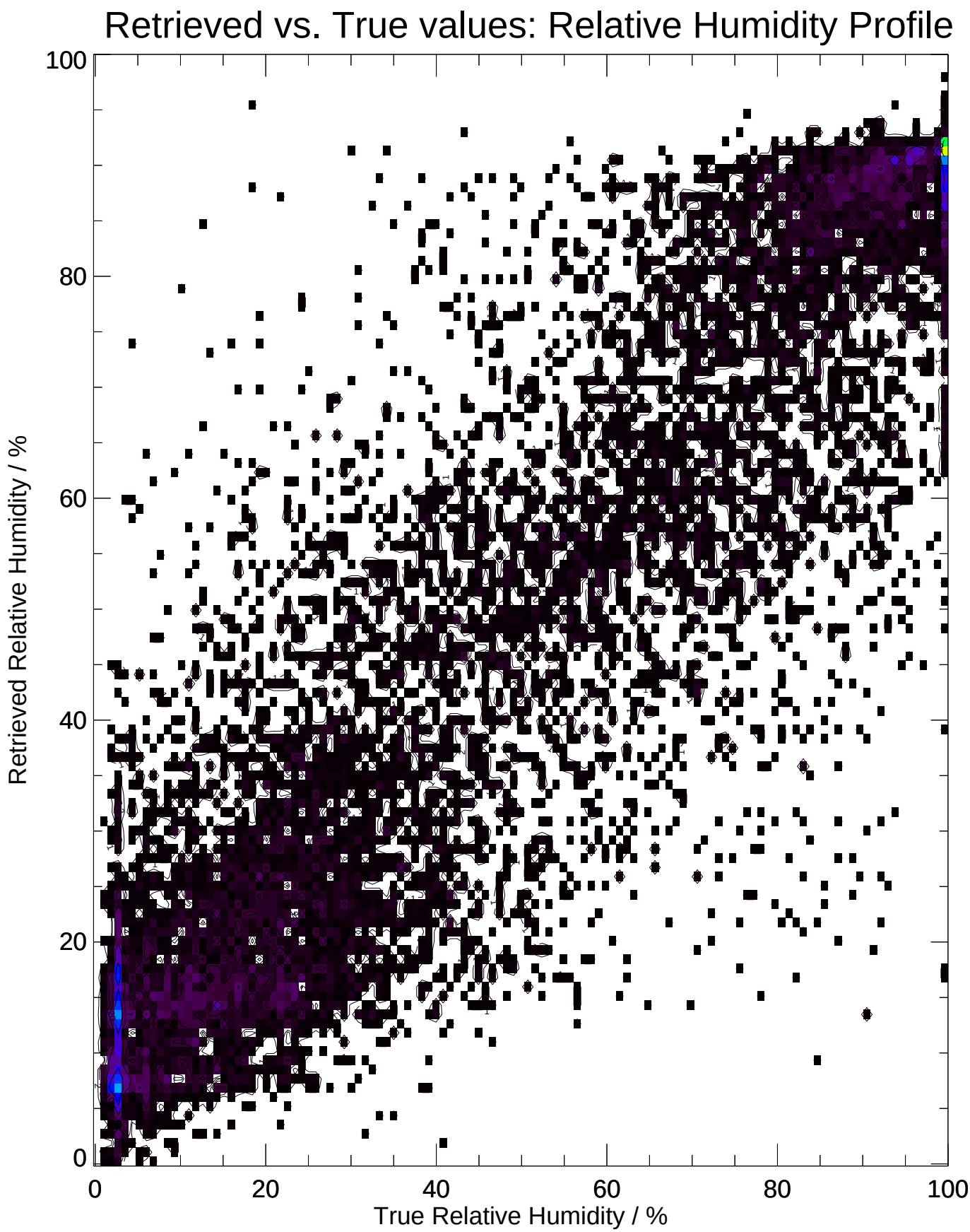

Relative Error (amplitude dependent)
Z = 4600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1301
N=715
N=779
N=789
N=607
N=426
N=352
N=339
N=360
N=357
N=376
N=449
N=569
N=648
N=742
N=1011

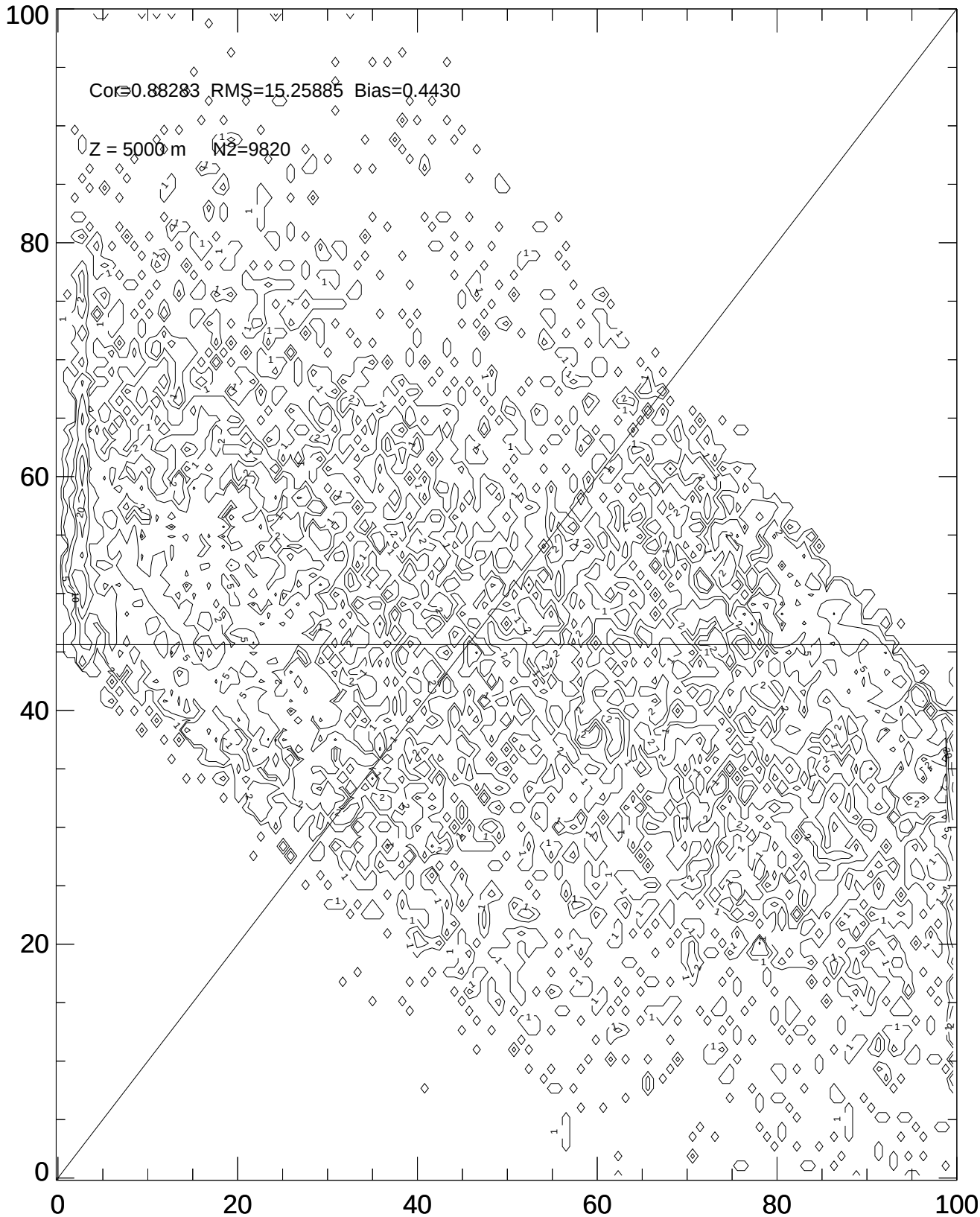

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

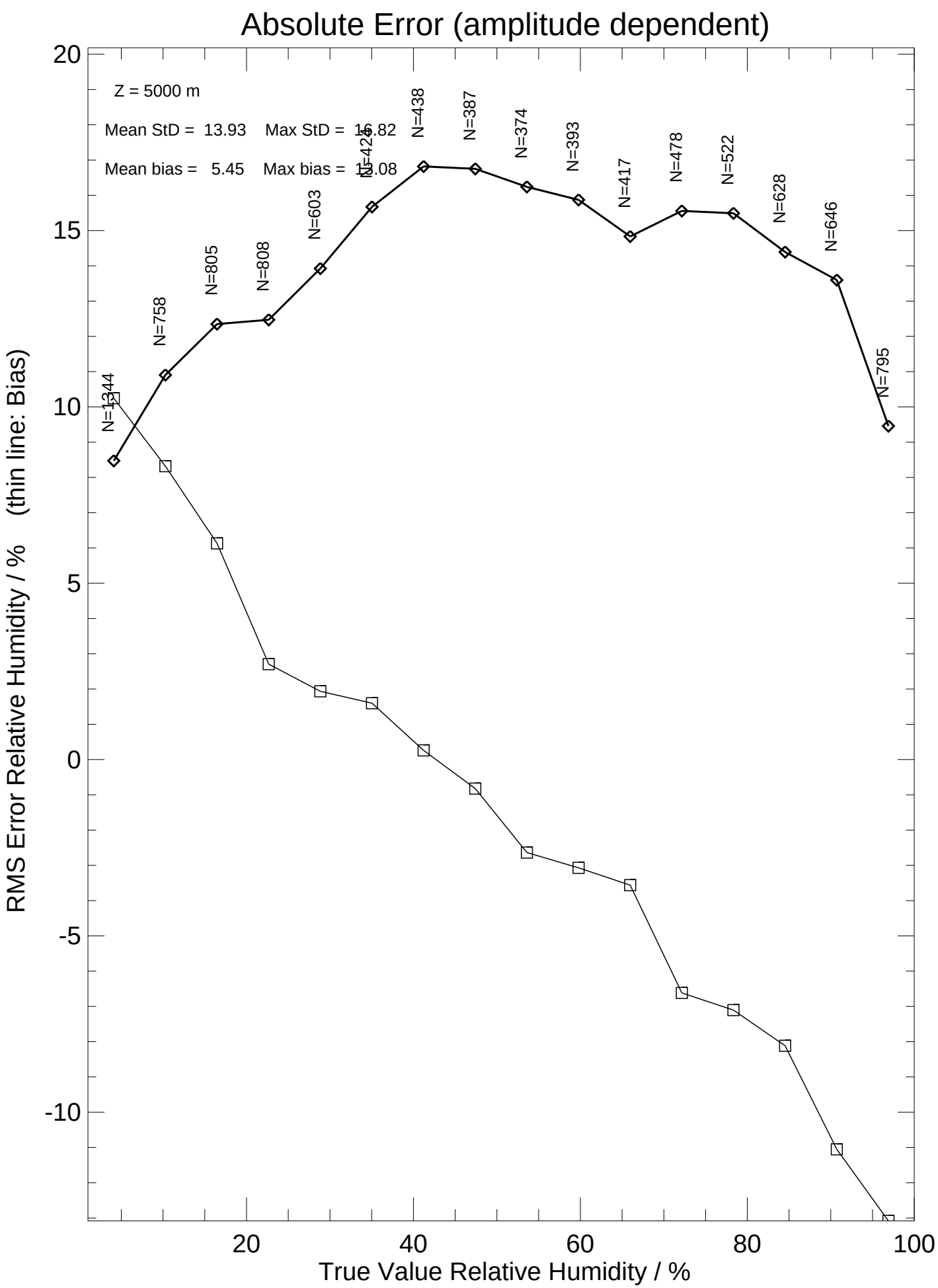

Cor=0.88058 RMS=15.68977 Bias=0.5170
Z = 4800 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

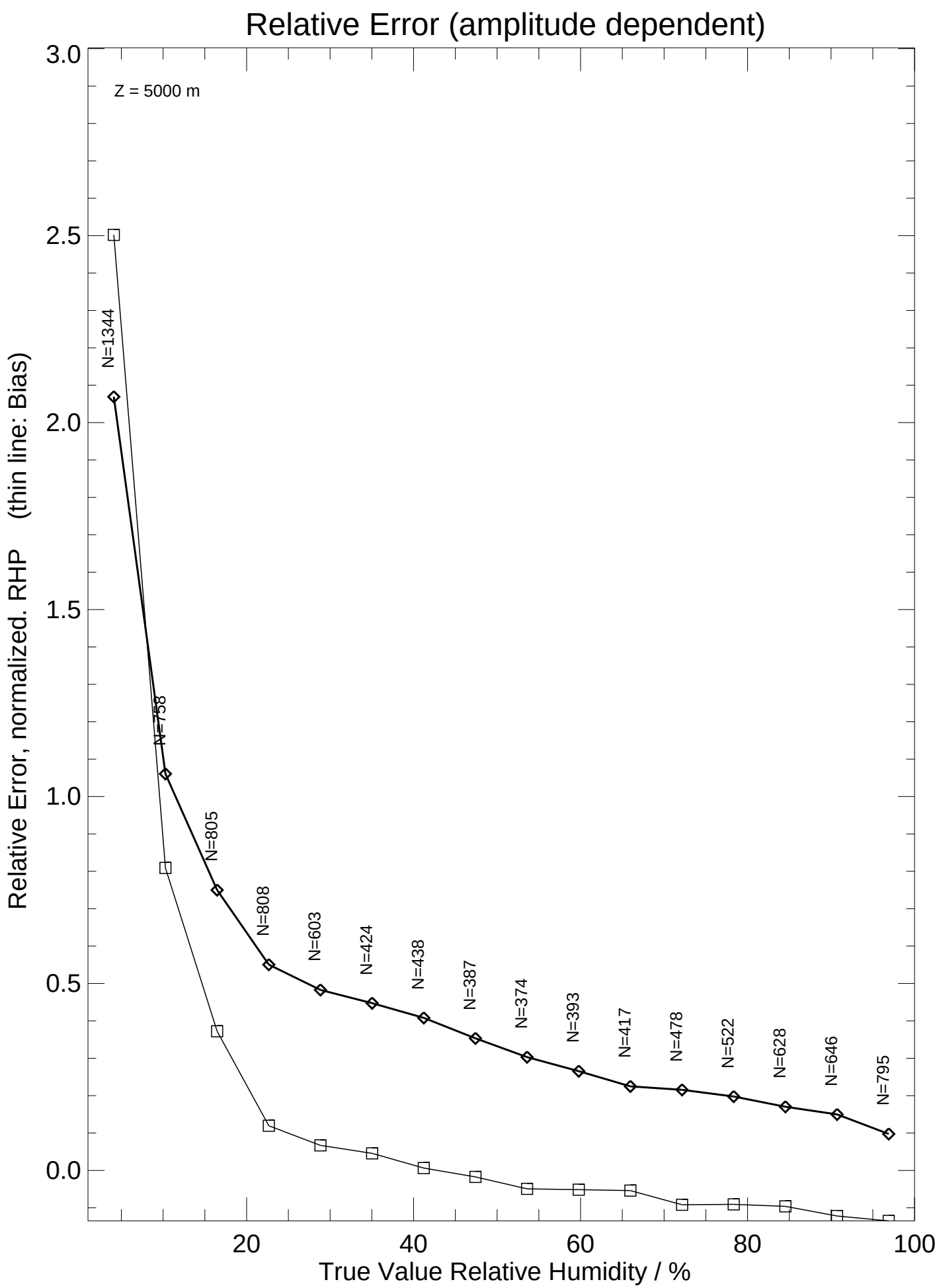

Absolute Error (amplitude dependent)
Z = 4800 m
Mean StD = 14.38 Max StD = 17.12
Mean bias = 5.52 Max bias = 12.39
N=1348
N=741
N=779
N=835
N=590
N=399
N=402
N=356
N=377
N=365
N=384
N=458
N=535
N=639
N=710
N=902
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

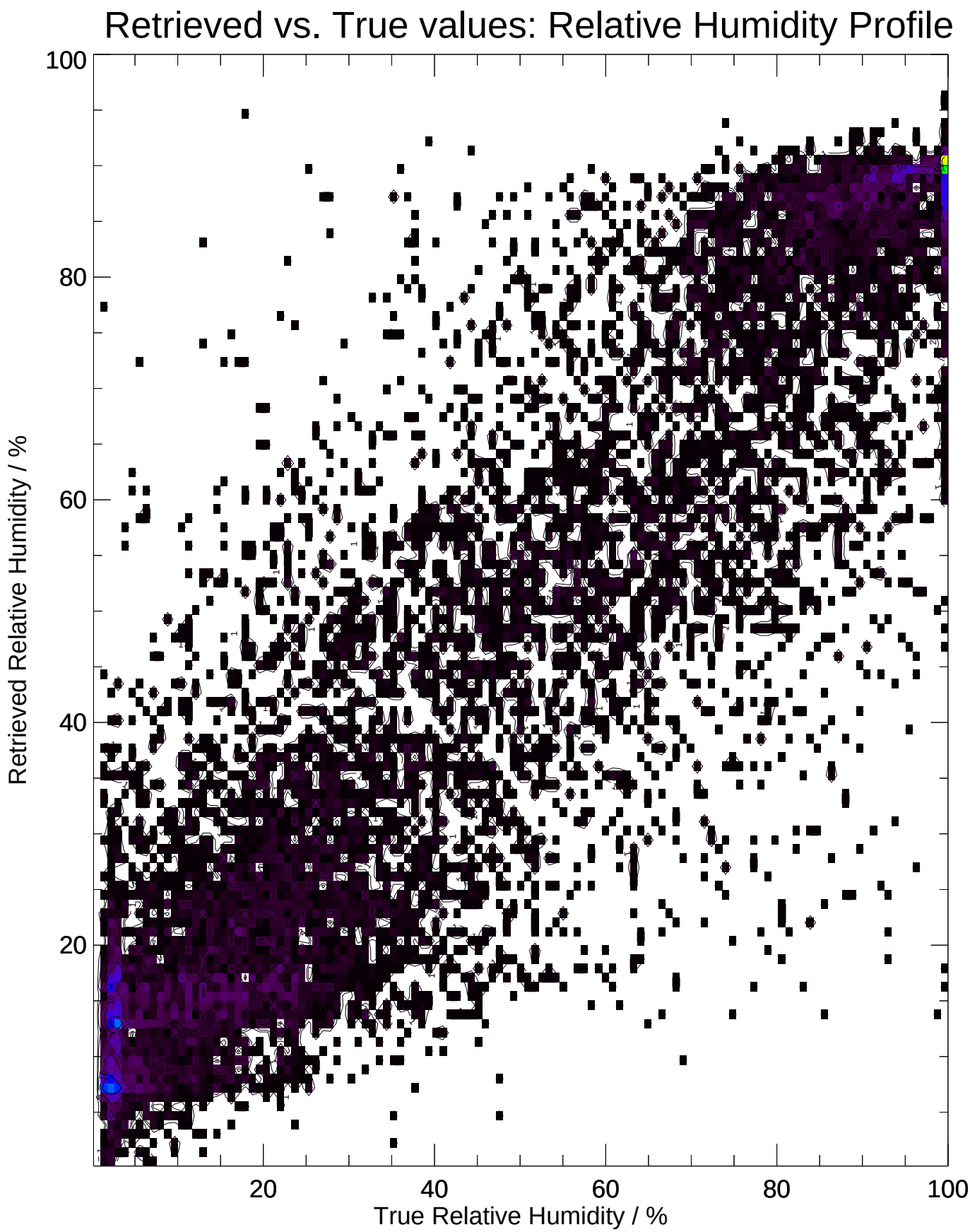

Relative Error (amplitude dependent)
Z = 4800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1348
N=741
N=779
N=835
N=590
N=399
N=402
N=356
N=377
N=365
N=384
N=458
N=535
N=639
N=710
N=902

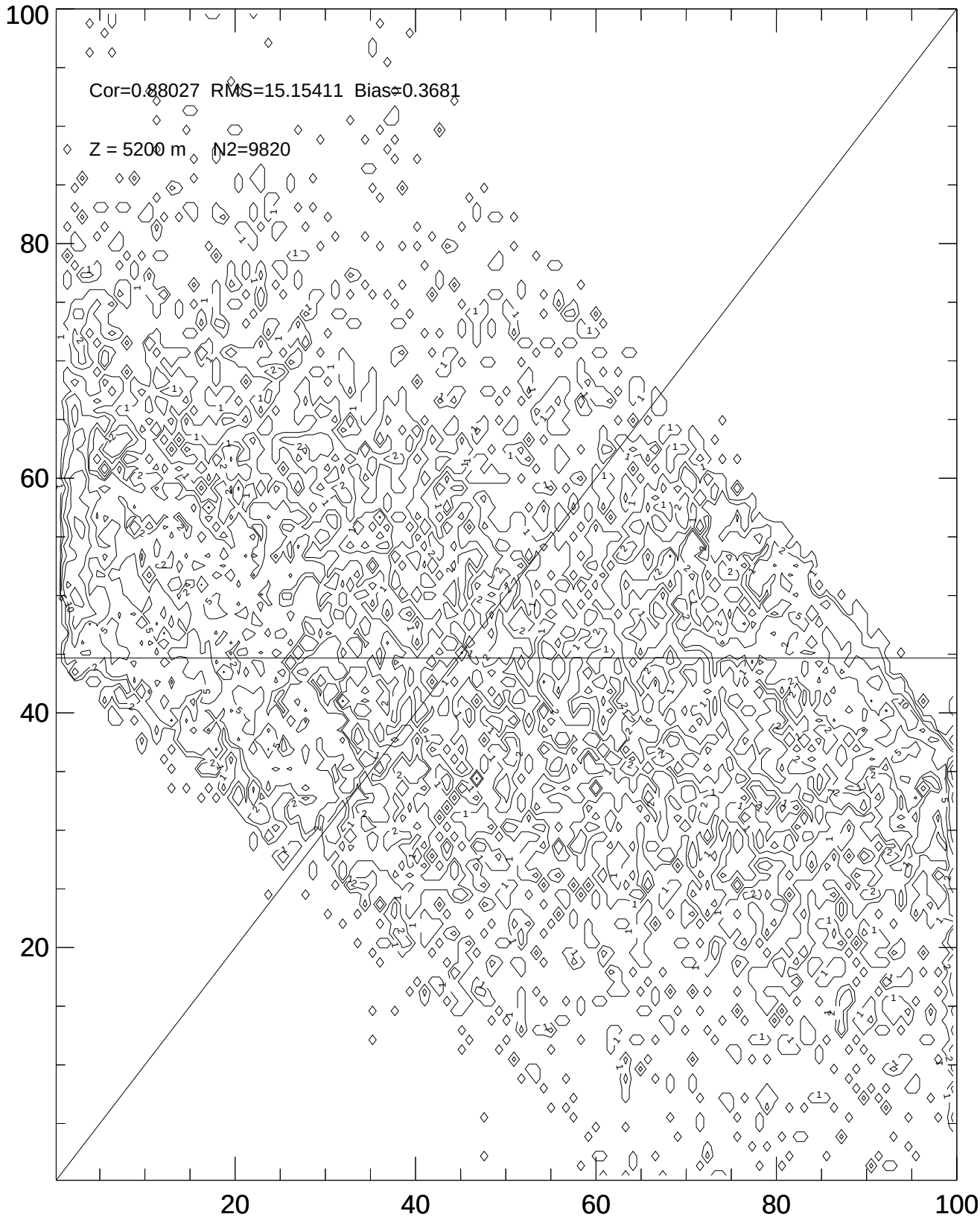

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100

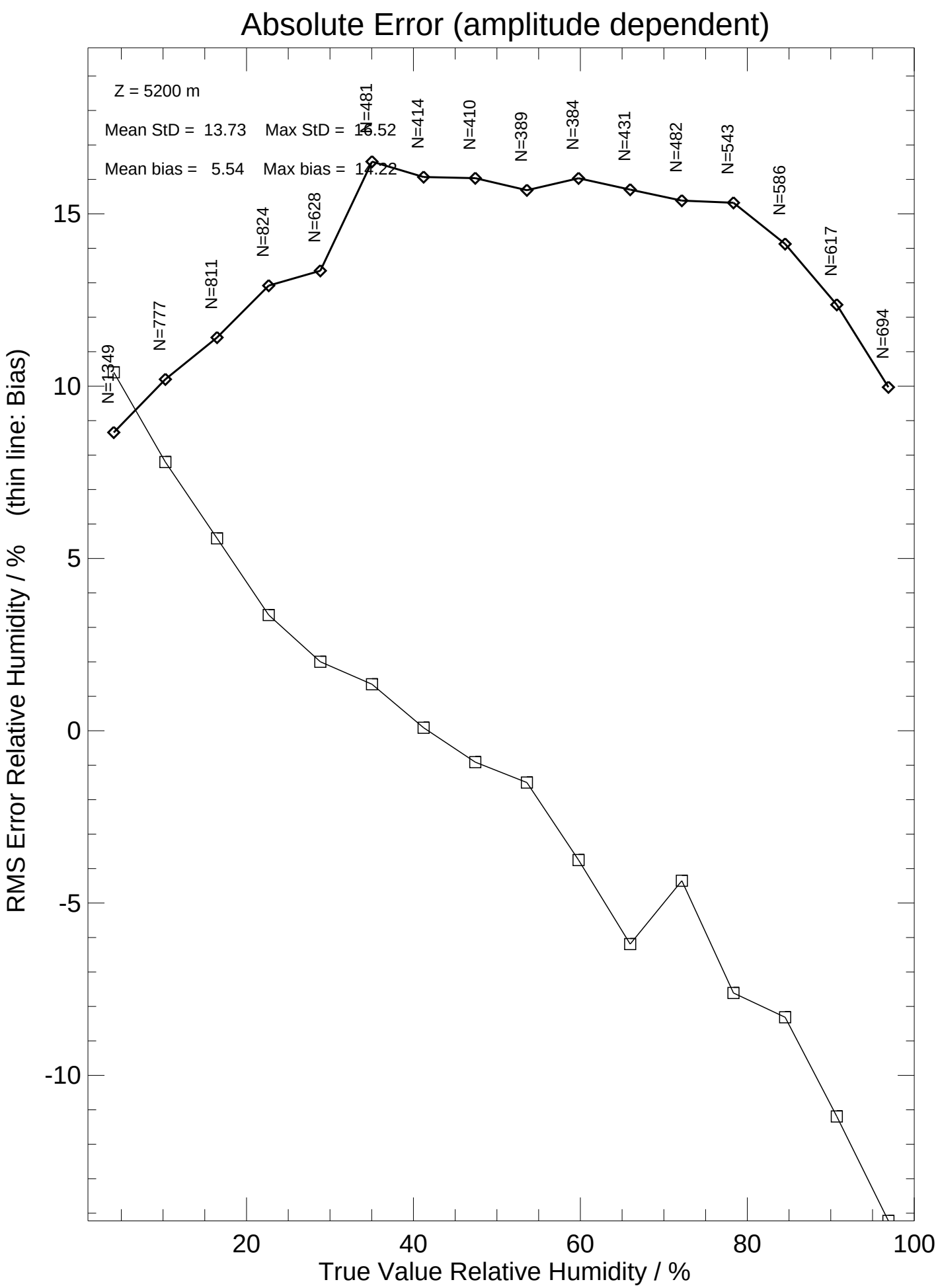

Cor=0.88283 RMS=15.25885 Bias=0.4430
Z = 5000 m N2=9820
100
80
60
40
20
0
0
20
40
60
80
100

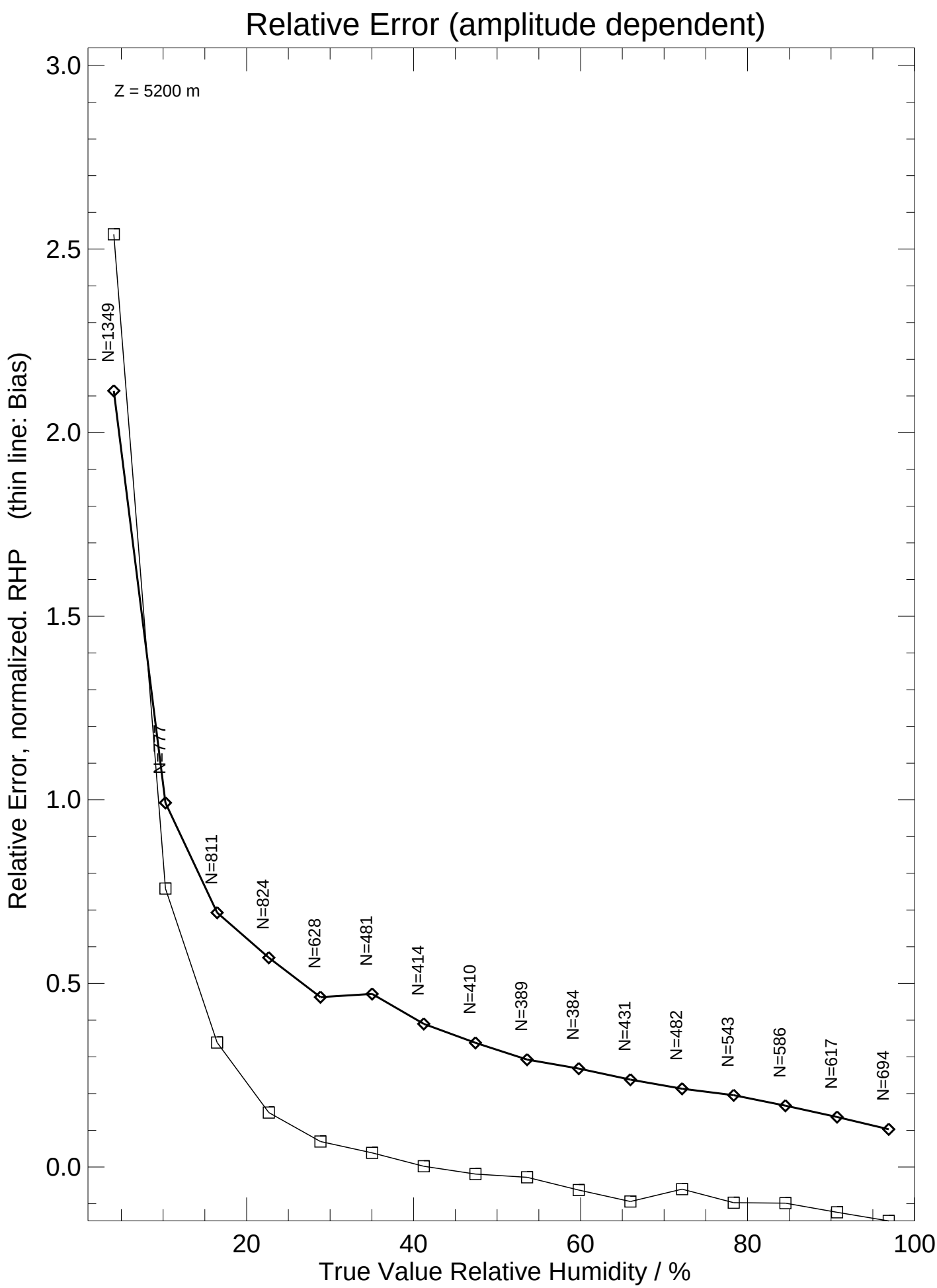

Absolute Error (amplitude dependent)
Z = 5000 m
Mean StD = 13.93 Max StD = 16.82
Mean bias = 5.45 Max bias = 13.08
N=1344
N=758
N=805
N=808
N=603
N=424
N=438
N=387
N=374
N=393
N=417
N=478
N=522
N=628
N=646
N=795
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
15
10
5
0
-5
-10
20
40
60
80
100

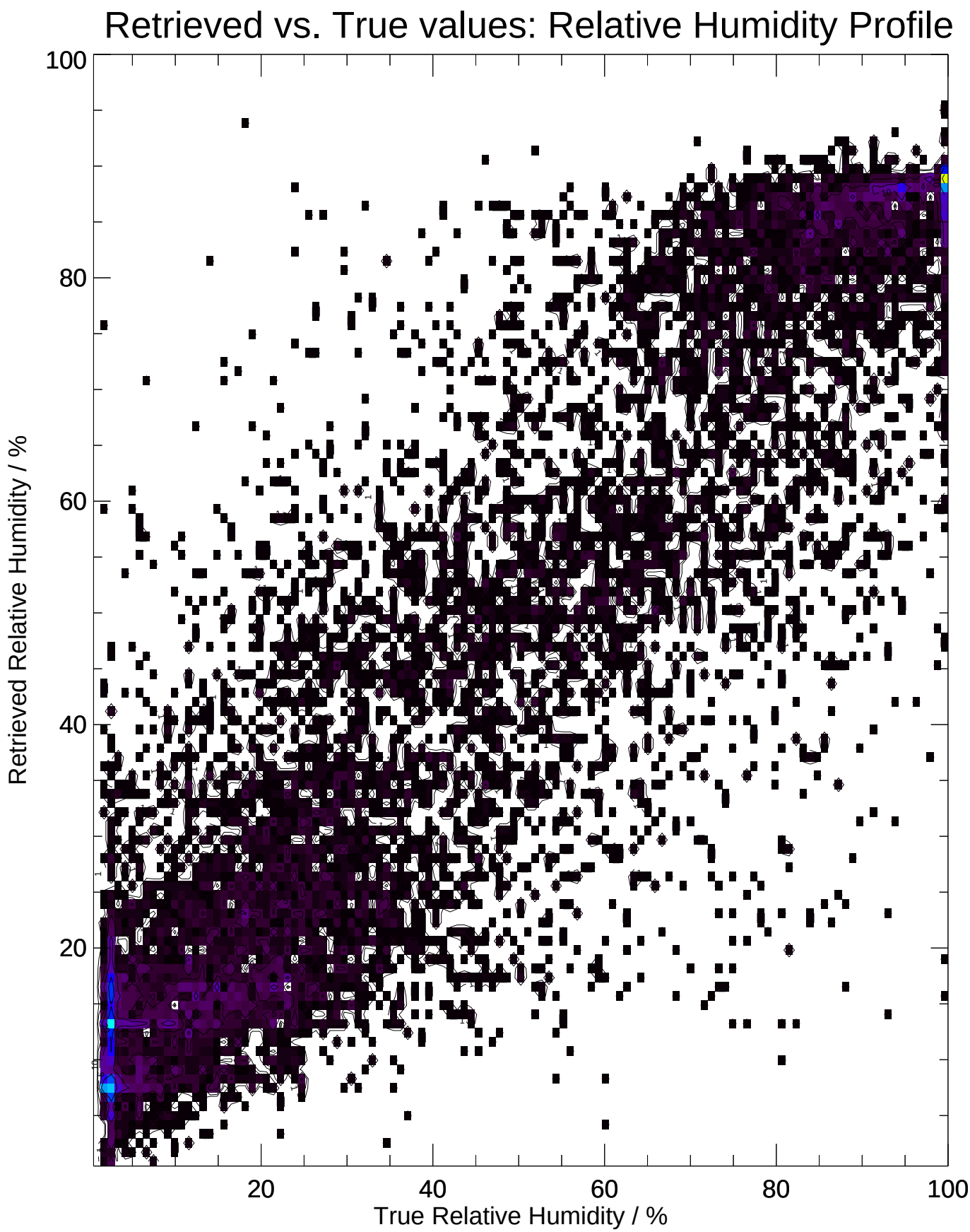

Relative Error (amplitude dependent)
Z = 5000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1344
N=758
N=805
N=808
N=603
N=424
N=438
N=387
N=374
N=393
N=417
N=478
N=522
N=628
N=646
N=795

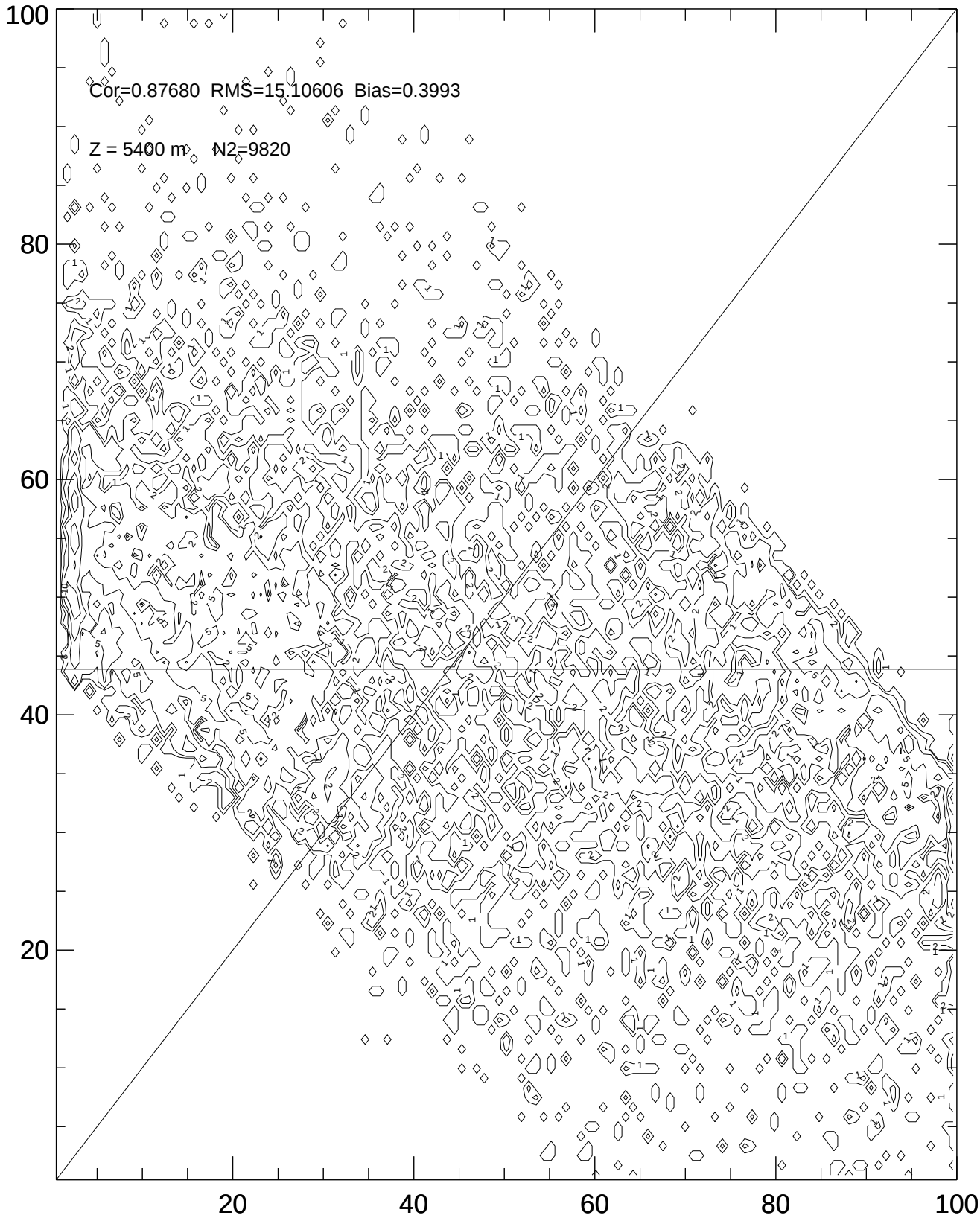

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

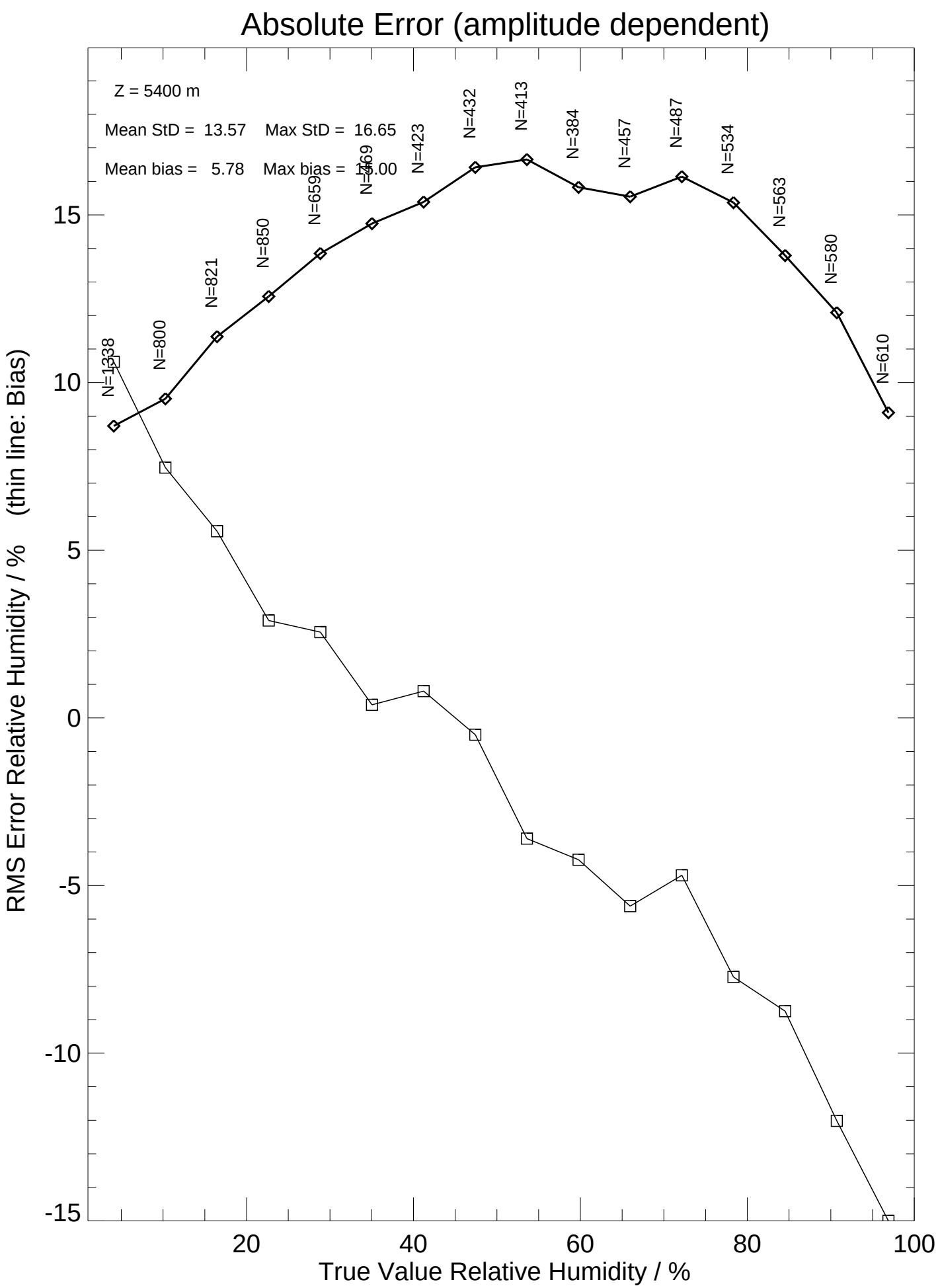

Cor=0.88027 RMS=15.15411 Bias=0.3681
Z = 5200 m N2=9820
100
80
60
40
20
20
40
60
80
100

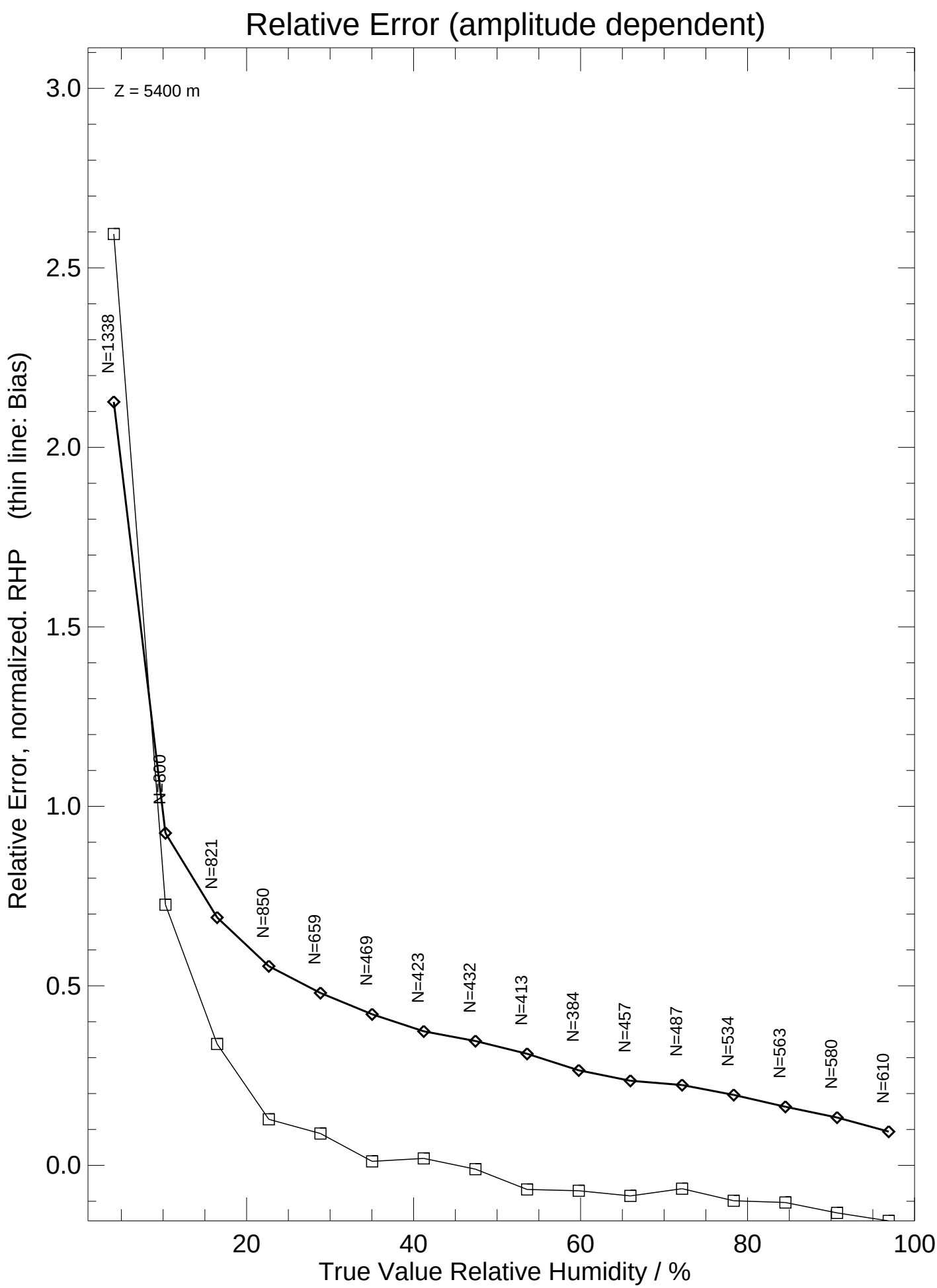

Absolute Error (amplitude dependent)
Z = 5200 m
Mean StD = 13.73 Max StD = 16.52
Mean bias = 5.54 Max bias = 14.22
N=1349
N=777
N=811
N=824
N=628
N=481
N=414
N=410
N=389
N=384
N=431
N=482
N=543
N=586
N=617
N=694
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
-10
20
40
60
80
100

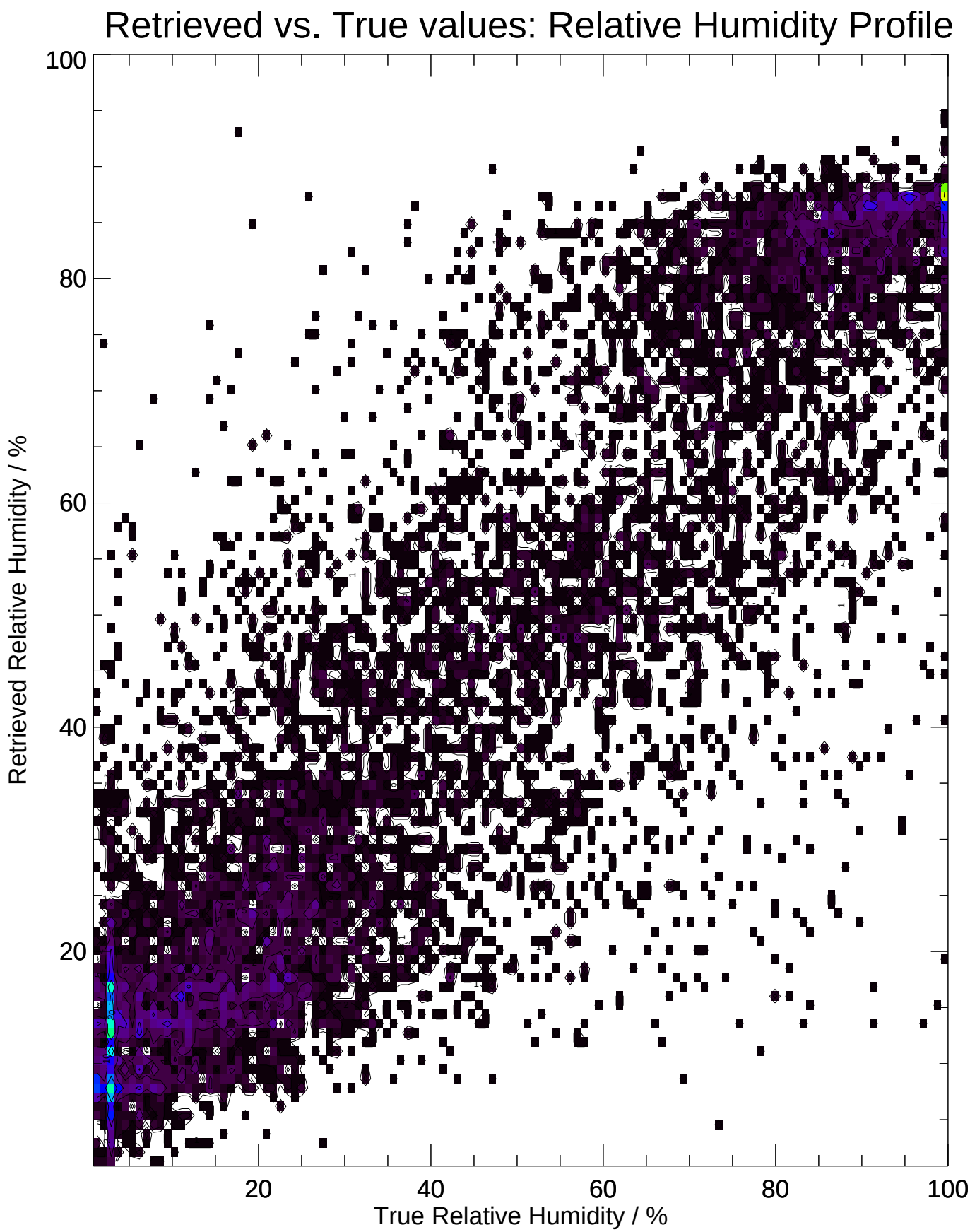

Relative Error (amplitude dependent)
Z = 5200 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1349
N=777
N=811
N=824
N=628
N=481
N=414
N=410
N=389
N=384
N=431
N=482
N=543
N=586
N=617
N=694

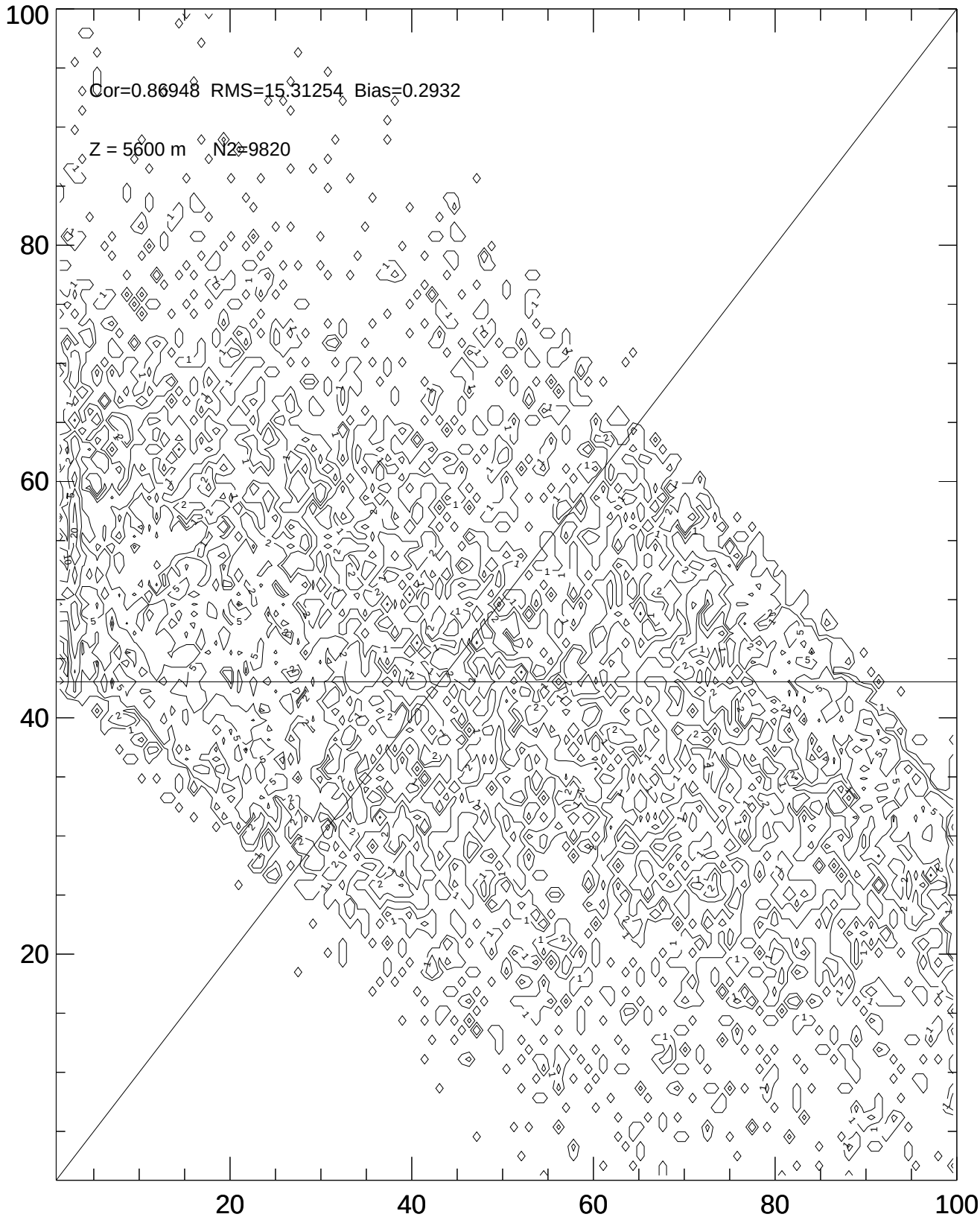

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

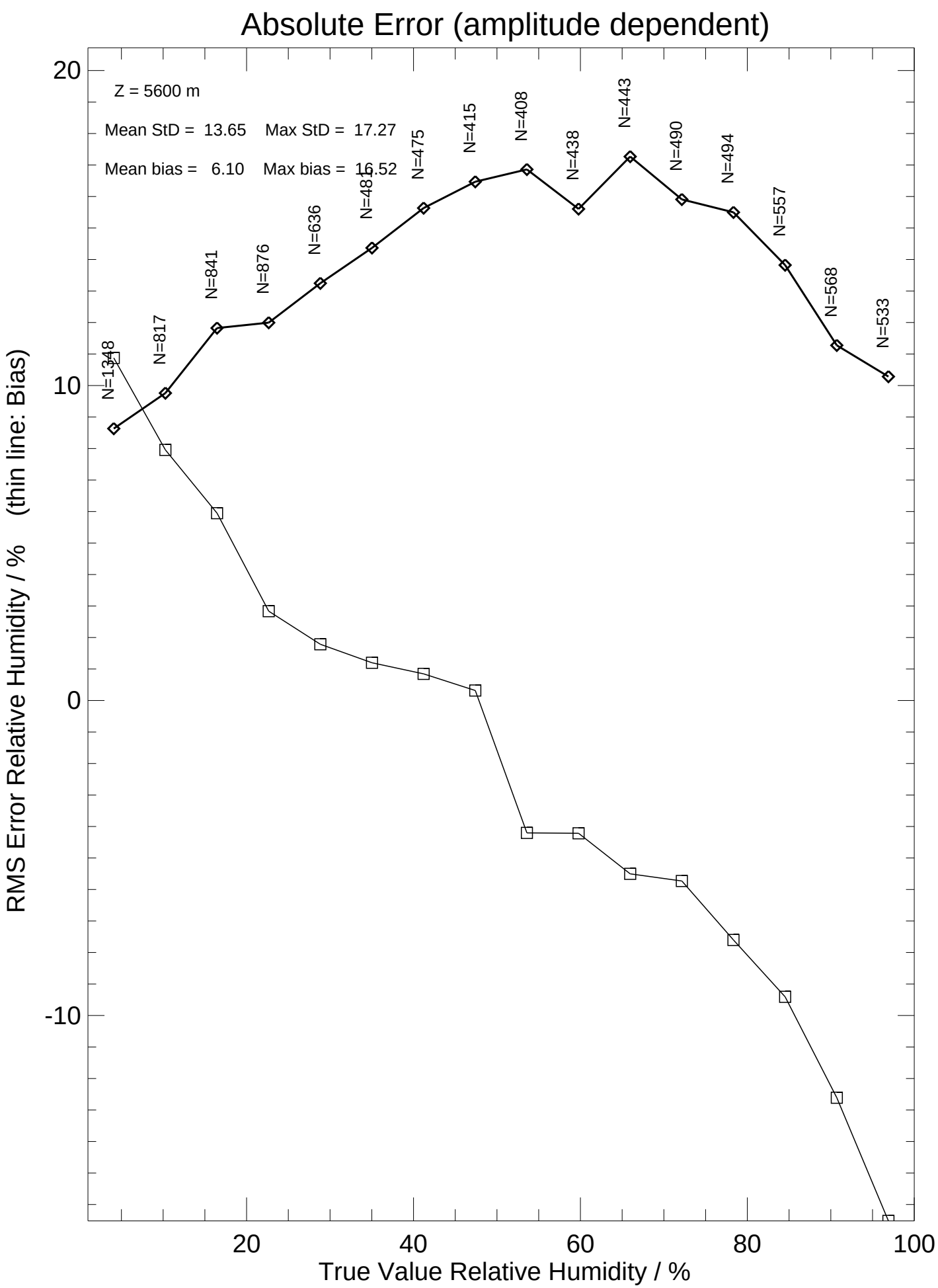

Cor=0.87680 RMS=15.10606 Bias=0.3993
Z = 5400 m N2=9820
100
80
60
40
20
20
40
60
80
100

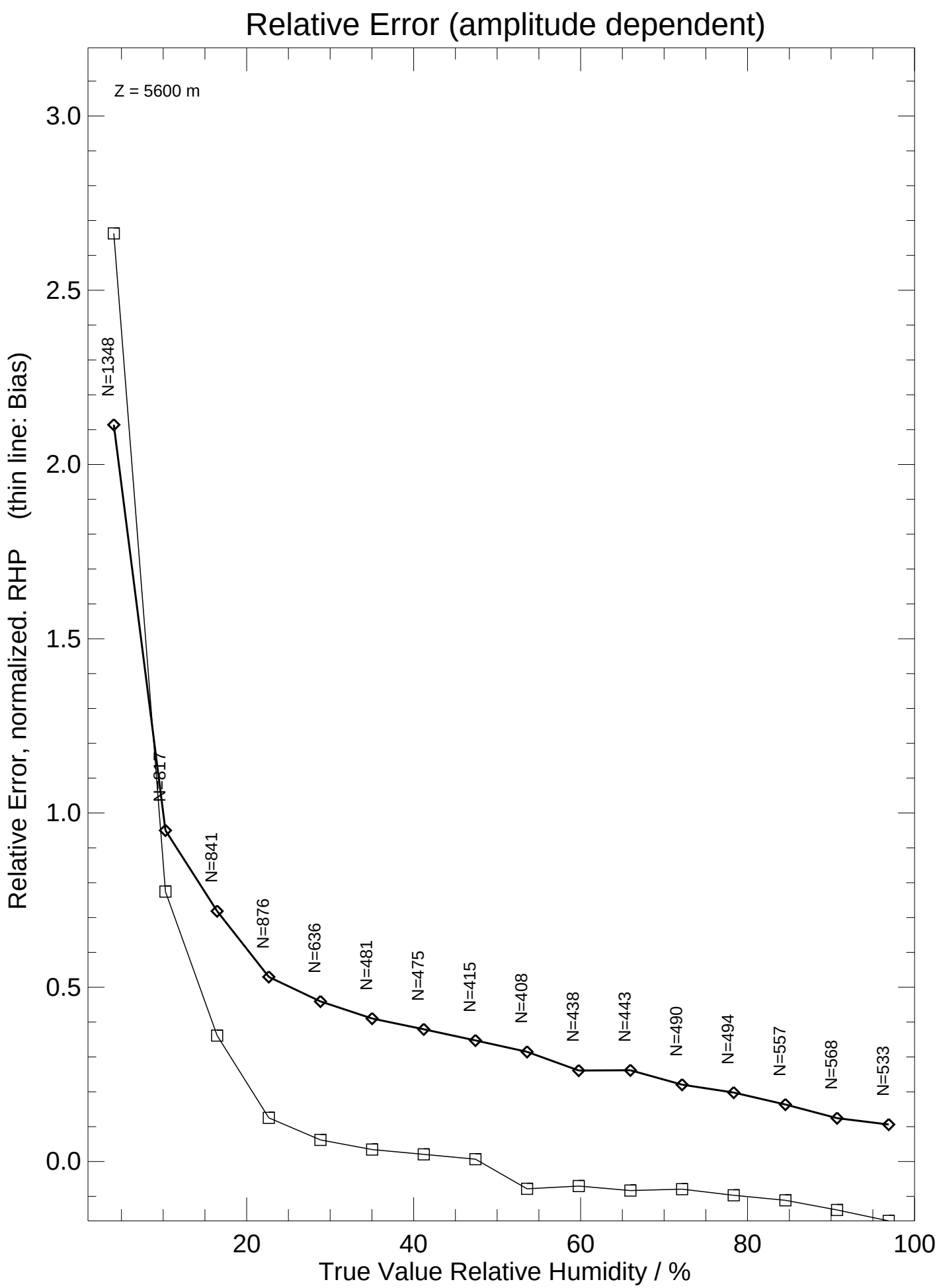

Absolute Error (amplitude dependent)
Z = 5400 m
Mean StD = 13.57 Max StD = 16.65
Mean bias = 5.78 Max bias = 13.00
N=1238
N=800
N=821
N=850
N=659
N=469
N=423
N=432
N=413
N=384
N=457
N=487
N=534
N=563
N=580
N=610
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
-10
-15
20
40
60
80
100

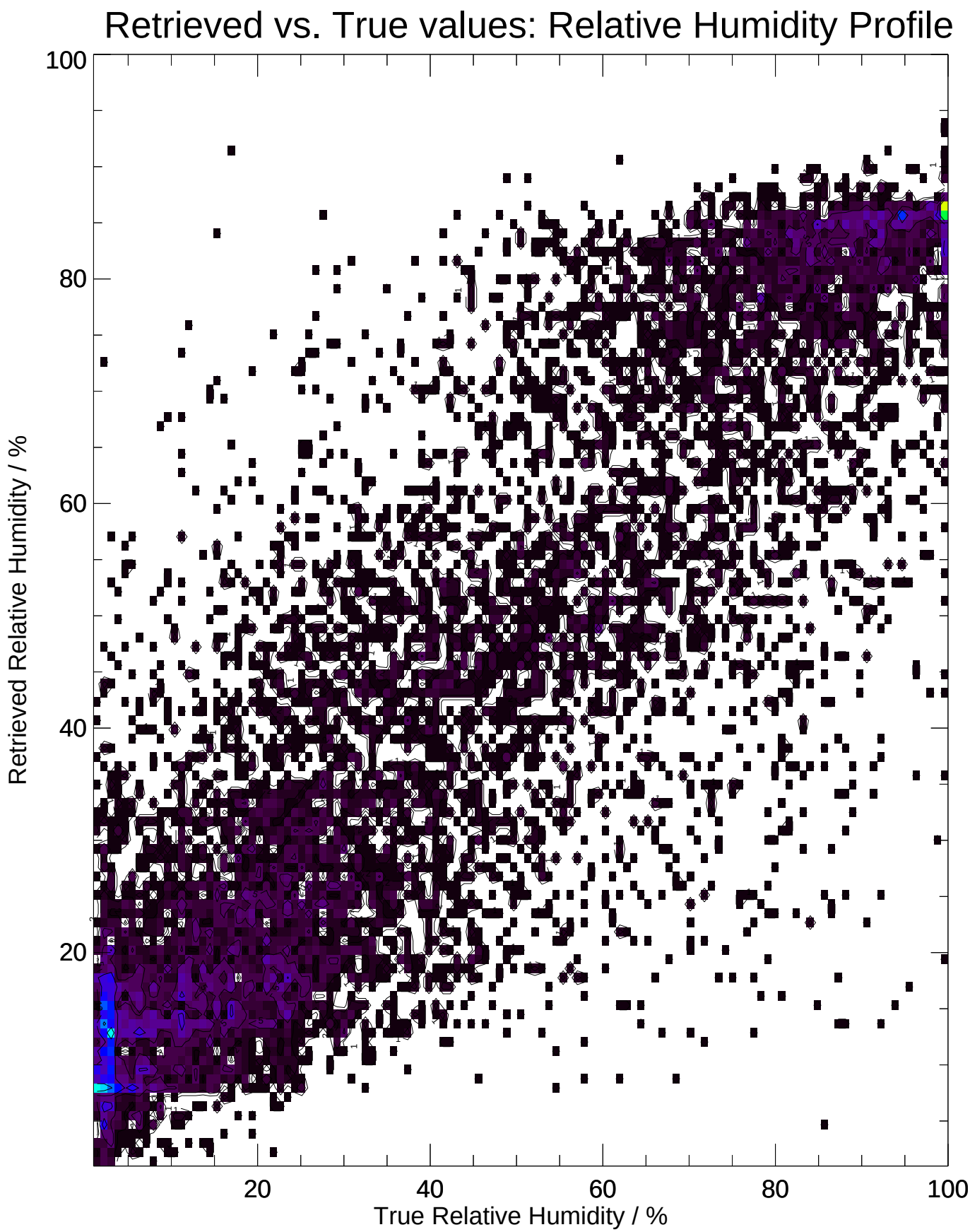

Relative Error (amplitude dependent)
Z = 5400 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1338
N=800
N=821
N=850
N=659
N=469
N=423
N=432
N=413
N=384
N=457
N=487
N=534
N=563
N=580
N=610

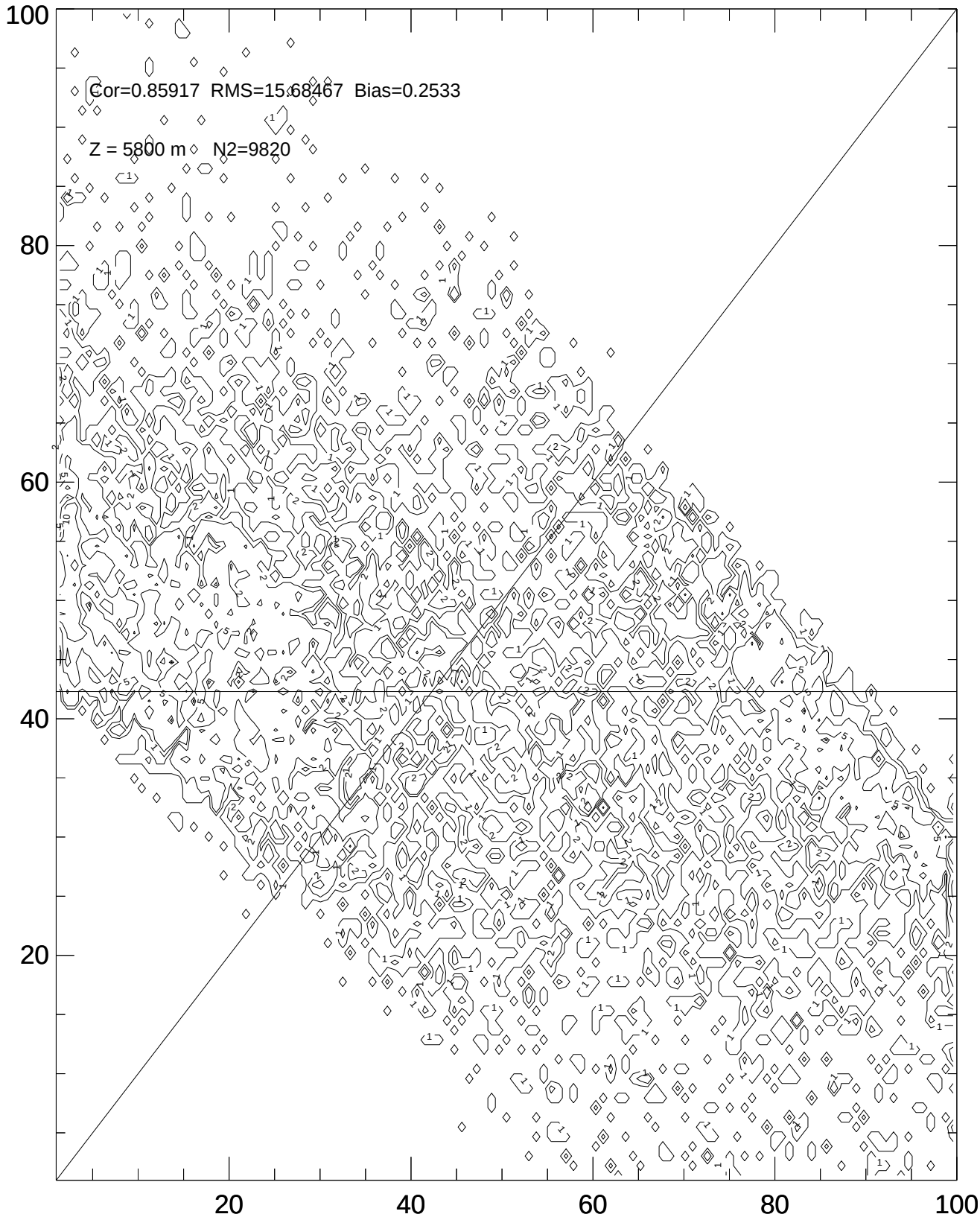

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

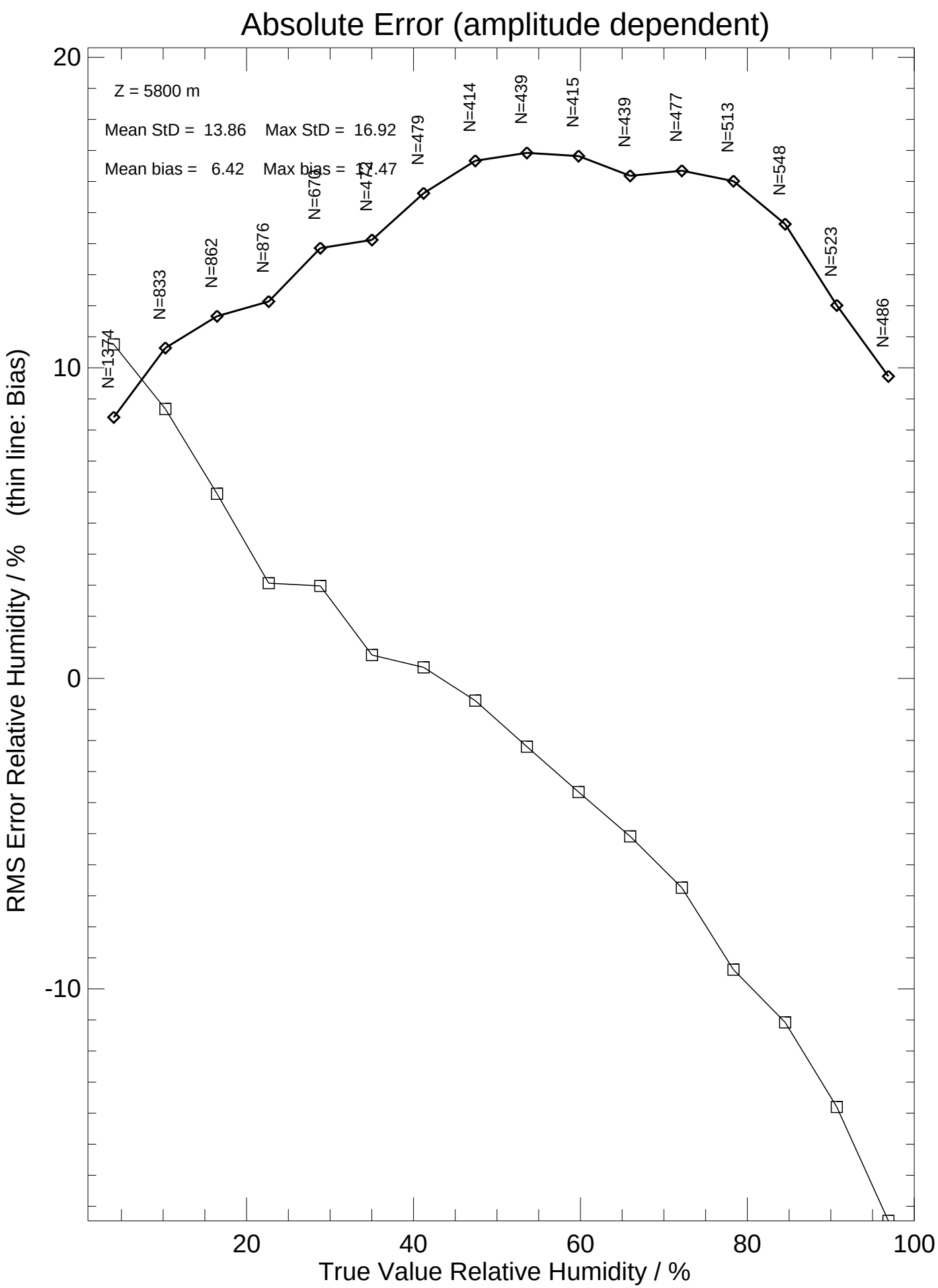

Cor=0.86948 RMS=15.31254 Bias=0.2932
Z = 5600 m N2=9820
100
80
60
40
20
20
40
60
80
100

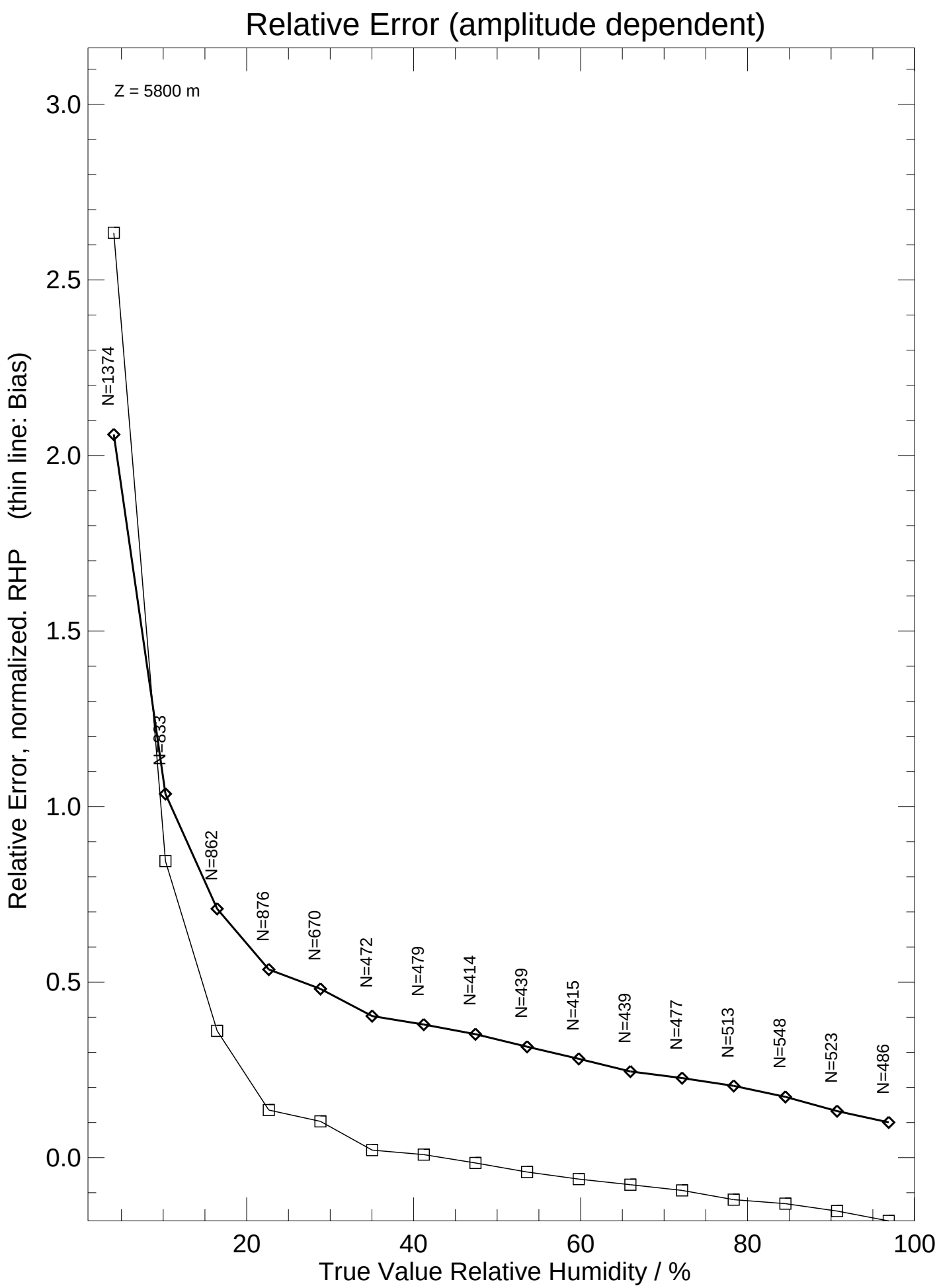

Absolute Error (amplitude dependent)
Z = 5600 m
Mean StD = 13.65 Max StD = 17.27
Mean bias = 6.10 Max bias = 16.52
N=1348
N=817
N=841
N=876
N=636
N=481
N=475
N=415
N=408
N=438
N=443
N=490
N=494
N=557
N=568
N=533
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
10
0
-10
20
40
60
80
100

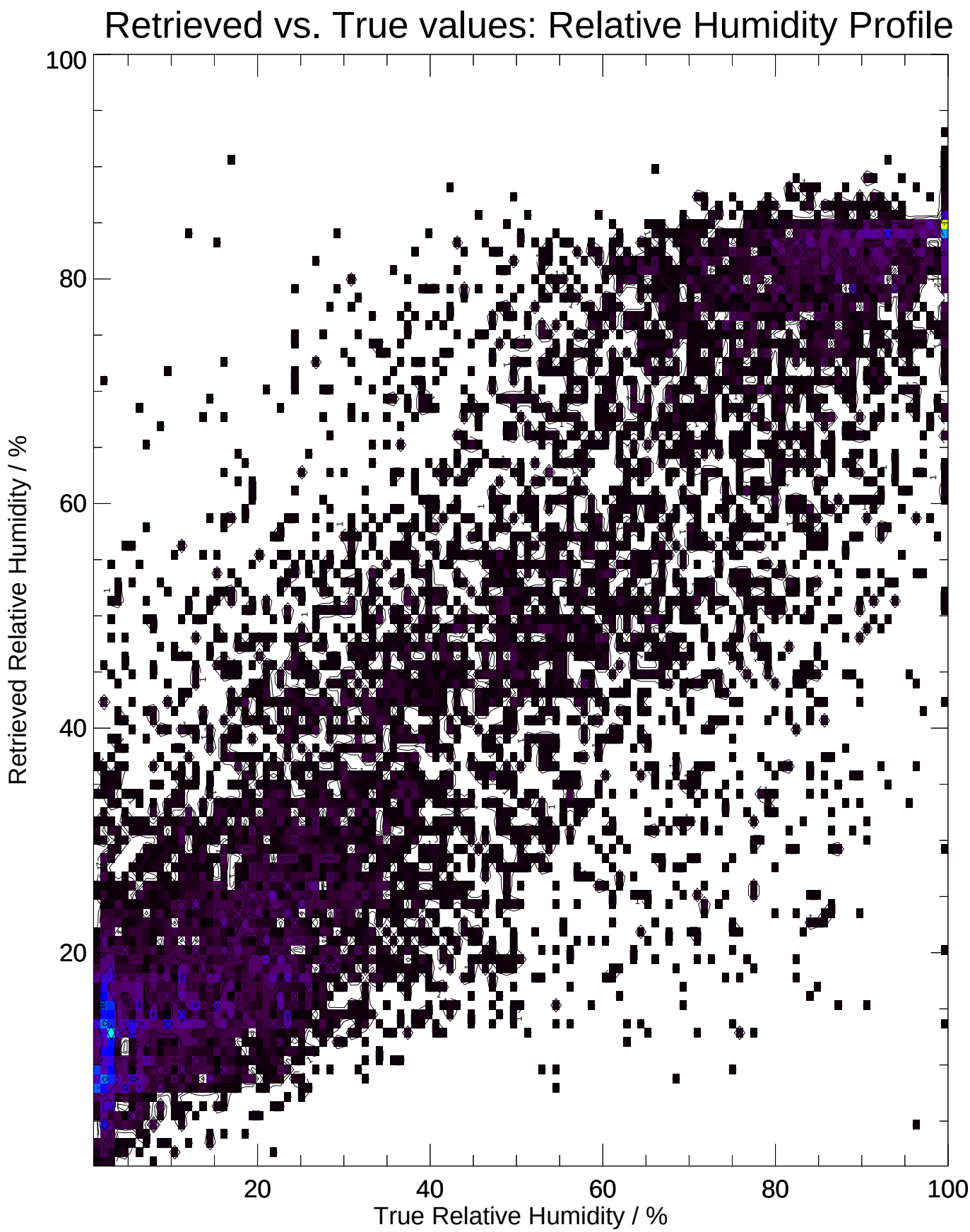

Relative Error (amplitude dependent)
Z = 5600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1348
N=817
N=841
N=876
N=636
N=481
N=475
N=415
N=408
N=438
N=443
N=490
N=494
N=557
N=568
N=533

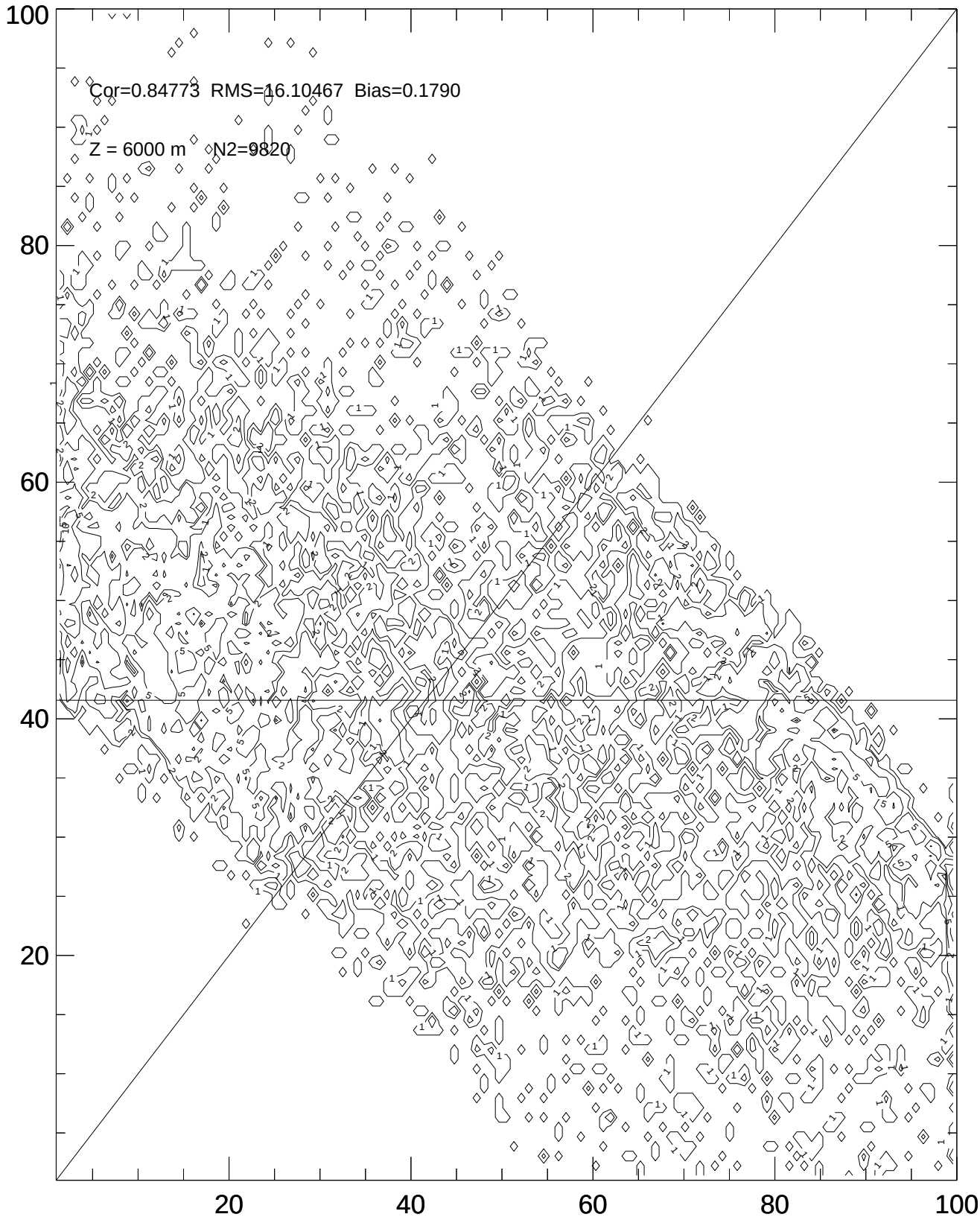

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

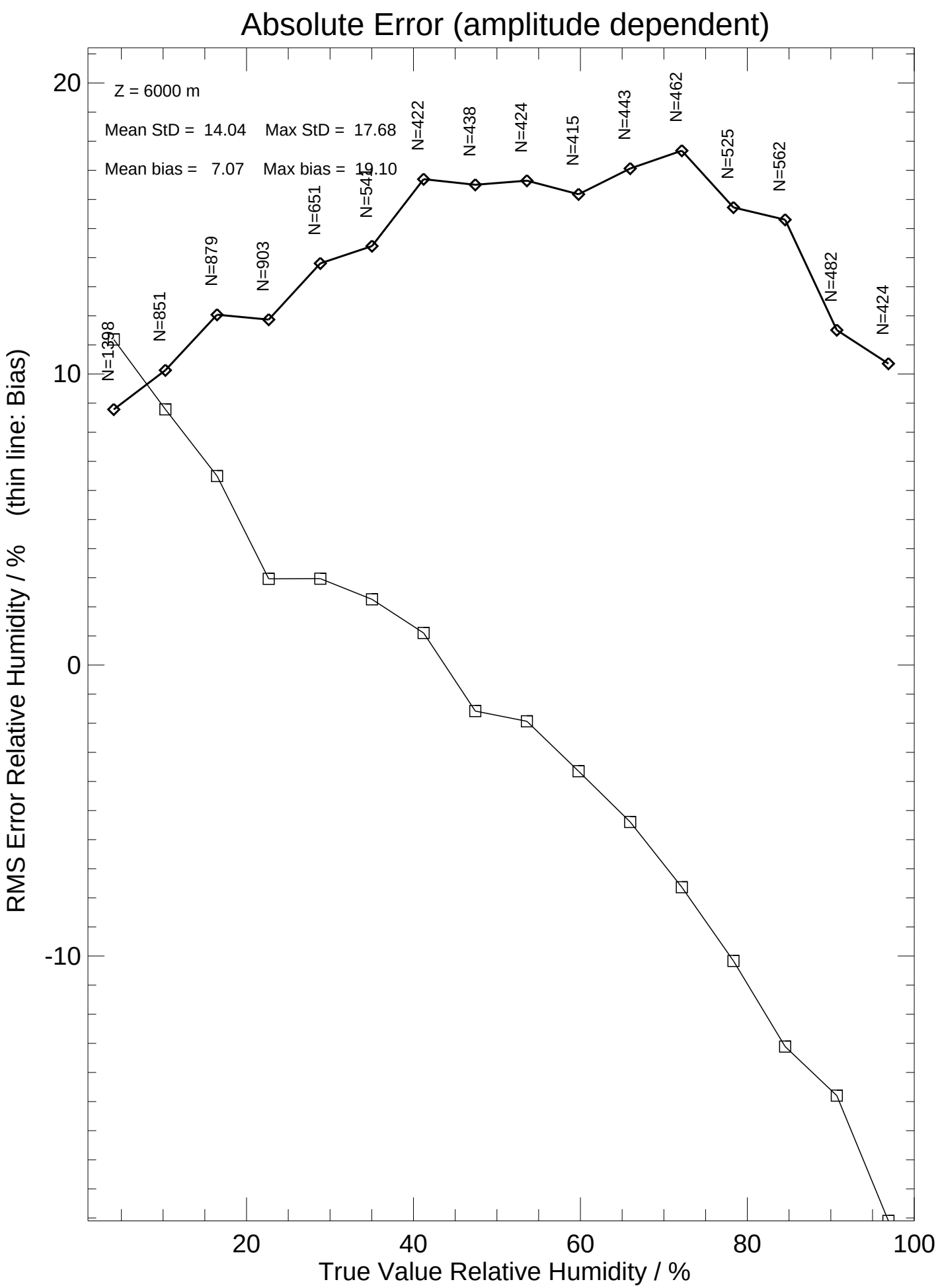

Cor=0.85917 RMS=15.68467 Bias=0.2533
Z = 5800 m N2=9820
100
80
60
40
20
20
40
60
80
100

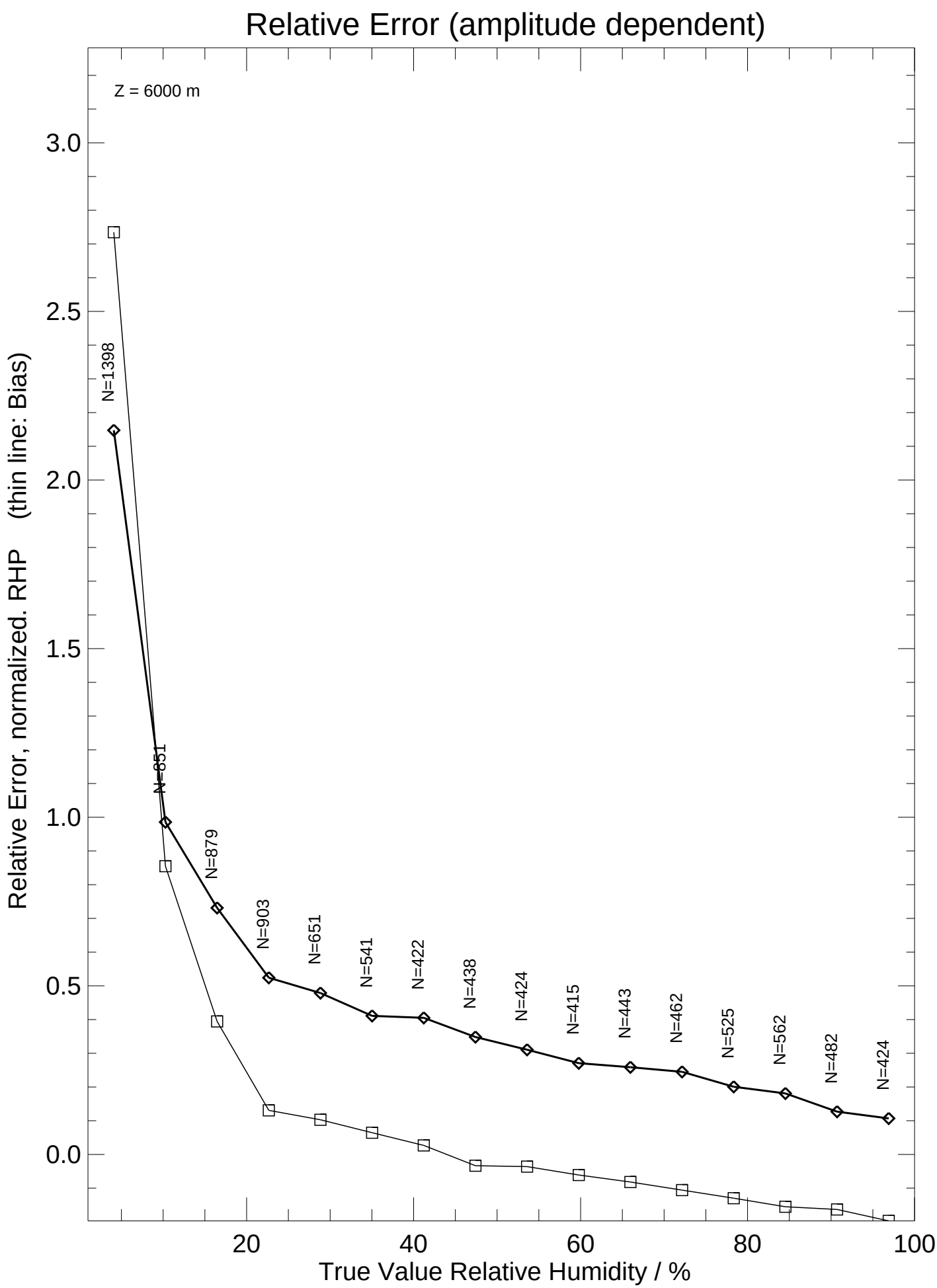

Absolute Error (amplitude dependent)
Z = 5800 m
Mean StD = 13.86 Max StD = 16.92
Mean bias = 6.42 Max bias = 12.47
N=1374
N=833
N=862
N=876
N=676
N=479
N=414
N=439
N=415
N=439
N=477
N=513
N=548
N=523
N=486
20
10
0
-10
20
40
60
80
100
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %

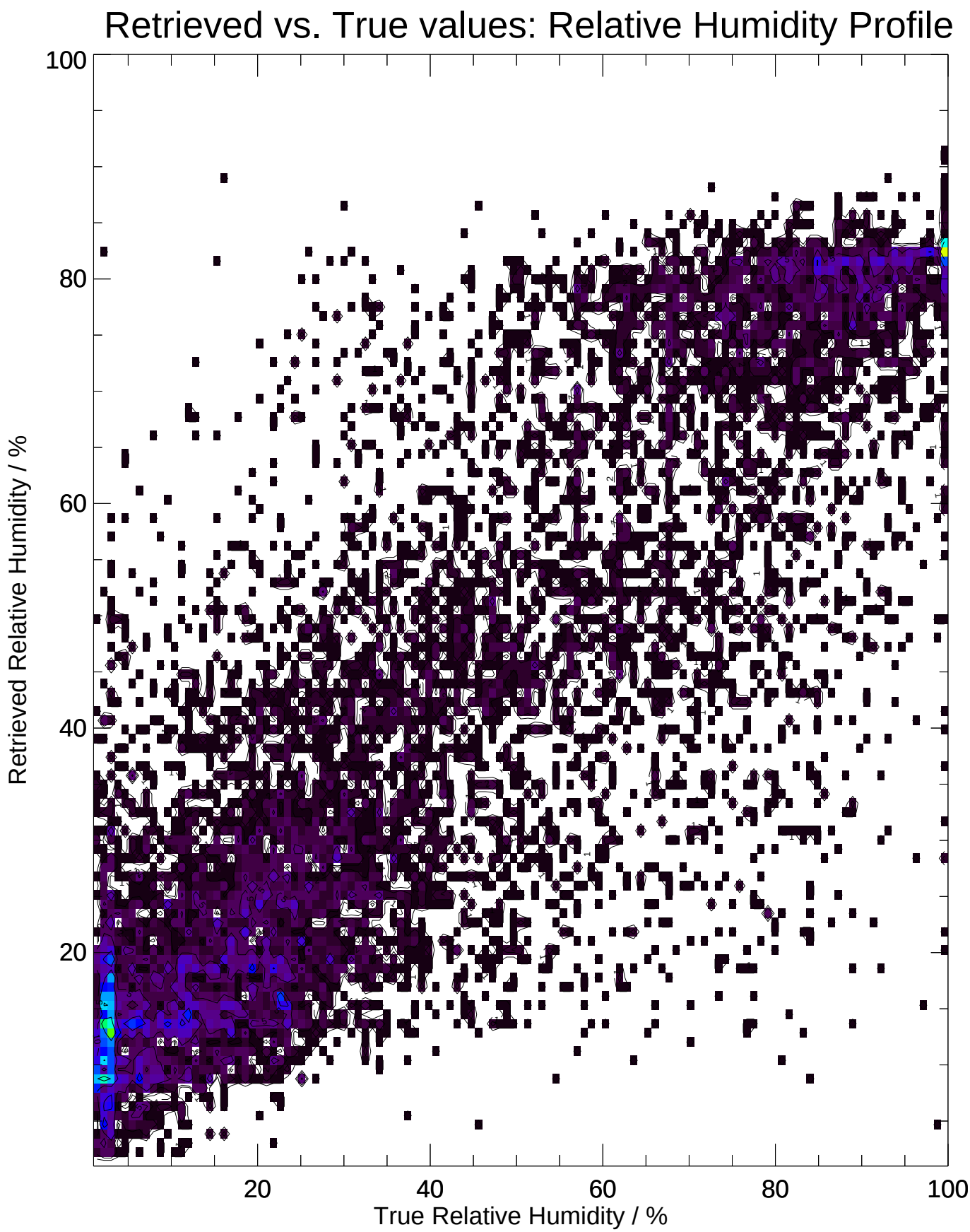

Relative Error (amplitude dependent)
Z = 5800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1374
N=833
N=862
N=876
N=670
N=472
N=479
N=414
N=439
N=415
N=439
N=477
N=513
N=548
N=523
N=486

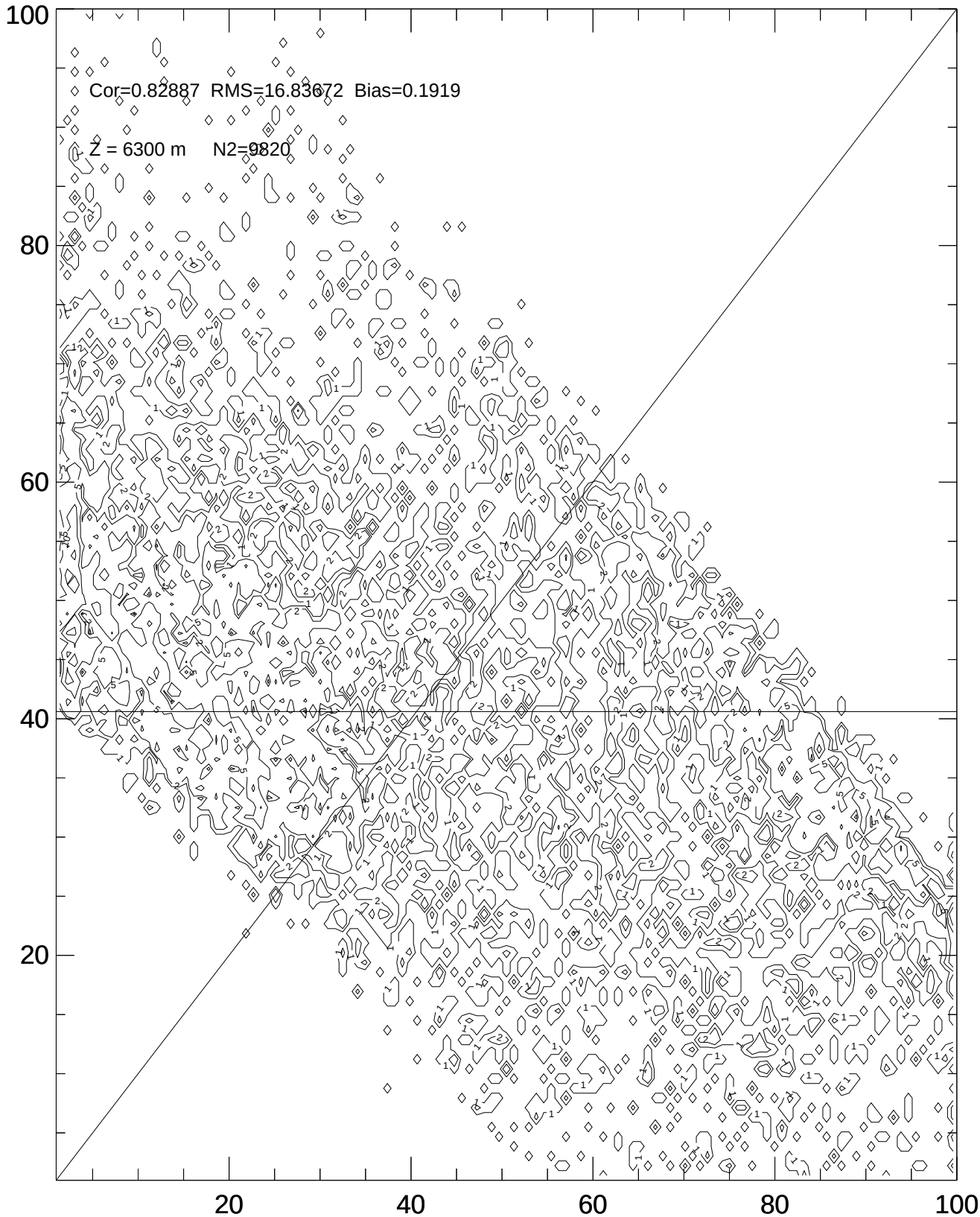

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

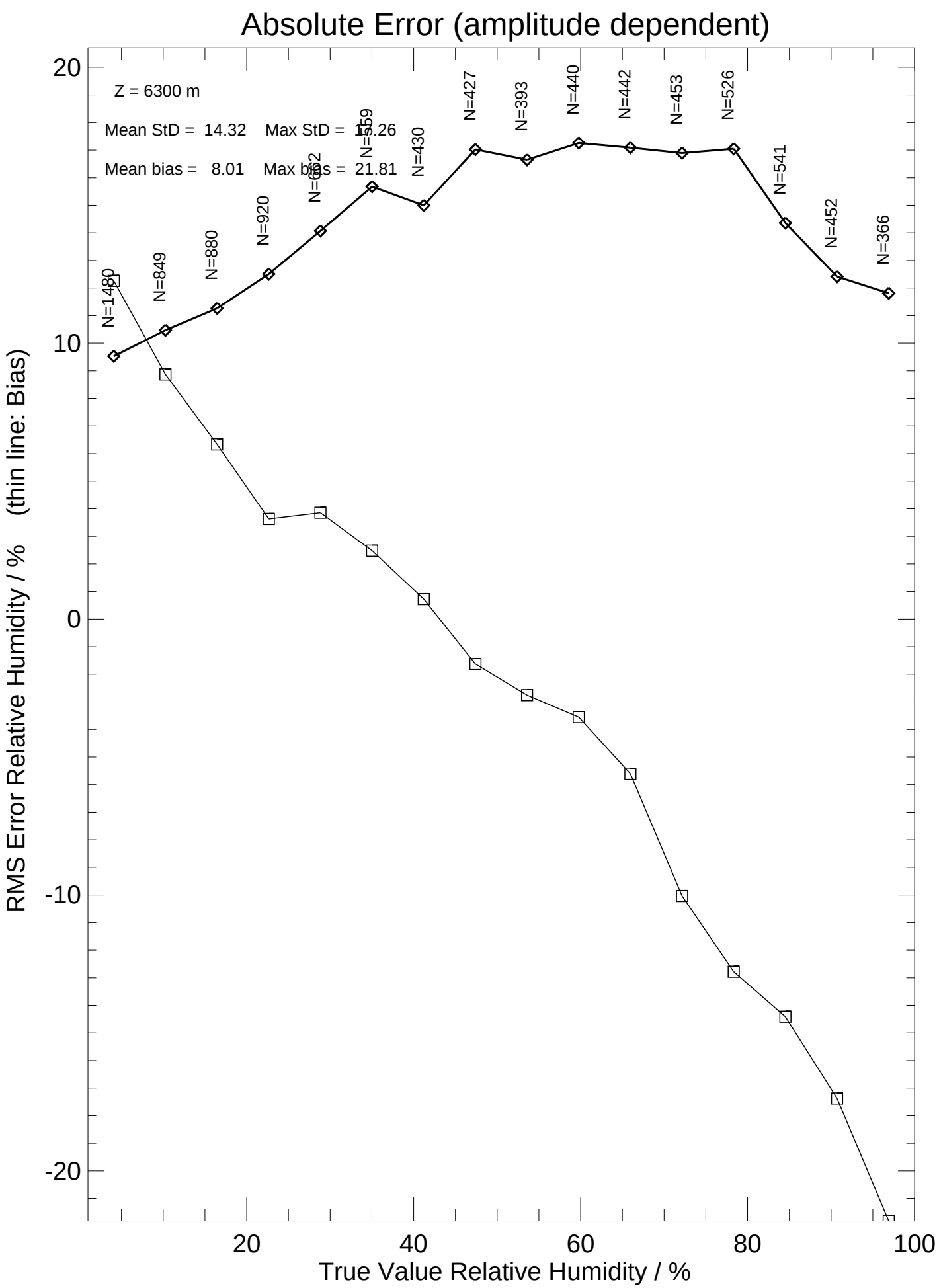

Cor=0.84773 RMS=16.10467 Bias=0.1790
Z = 6000 m N2=9820
100
80
60
40
20
20
40
60
80
100

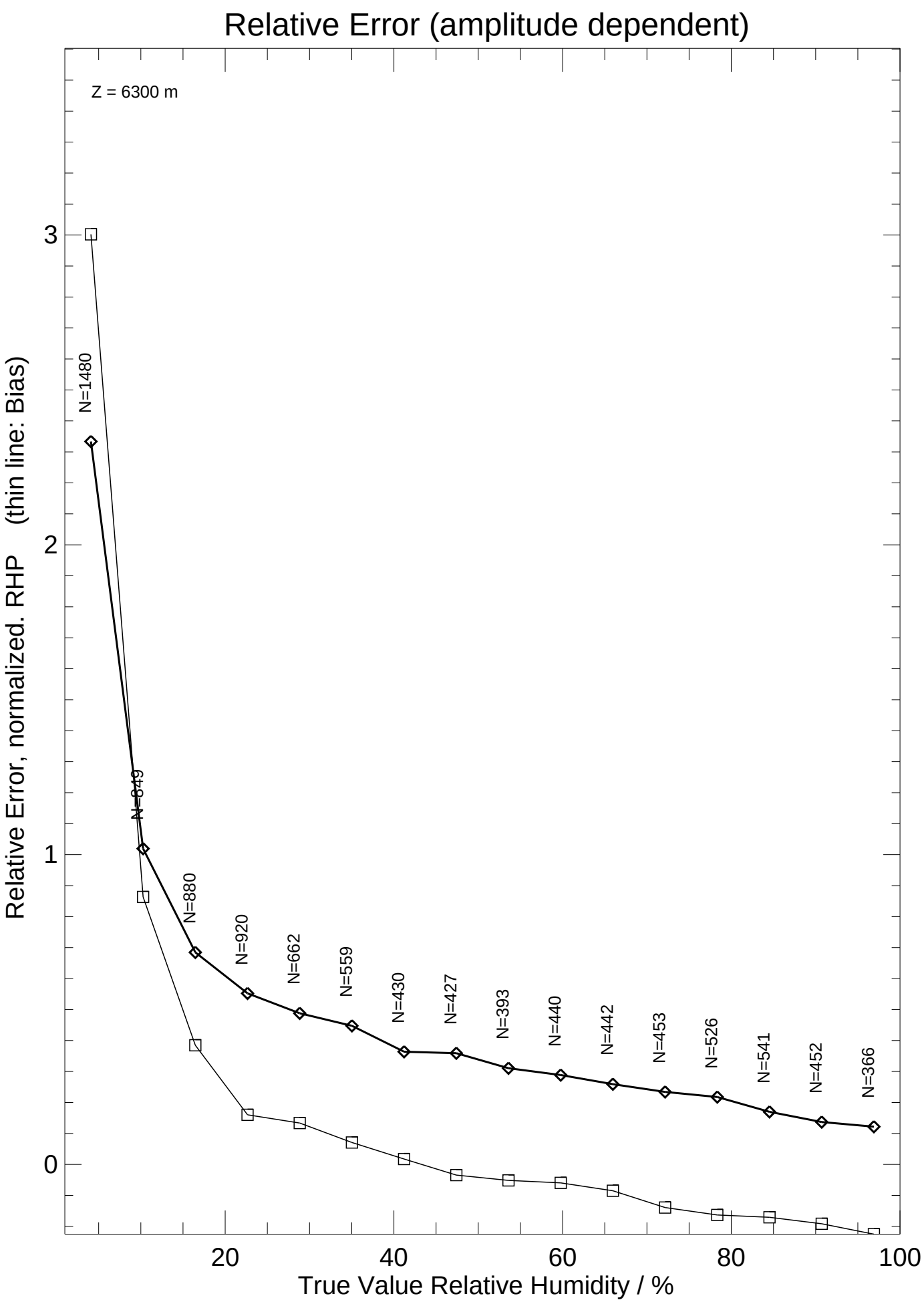

Absolute Error (amplitude dependent)
Z = 6000 m
Mean StD = 14.04 Max StD = 17.68
Mean bias = 7.07 Max bias = 19.10
N=1398
N=851
N=879
N=903
N=651
N=541
N=422
N=438
N=424
N=415
N=443
N=462
N=525
N=562
N=482
N=424
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
10
0
-10
20
40
60
80
100

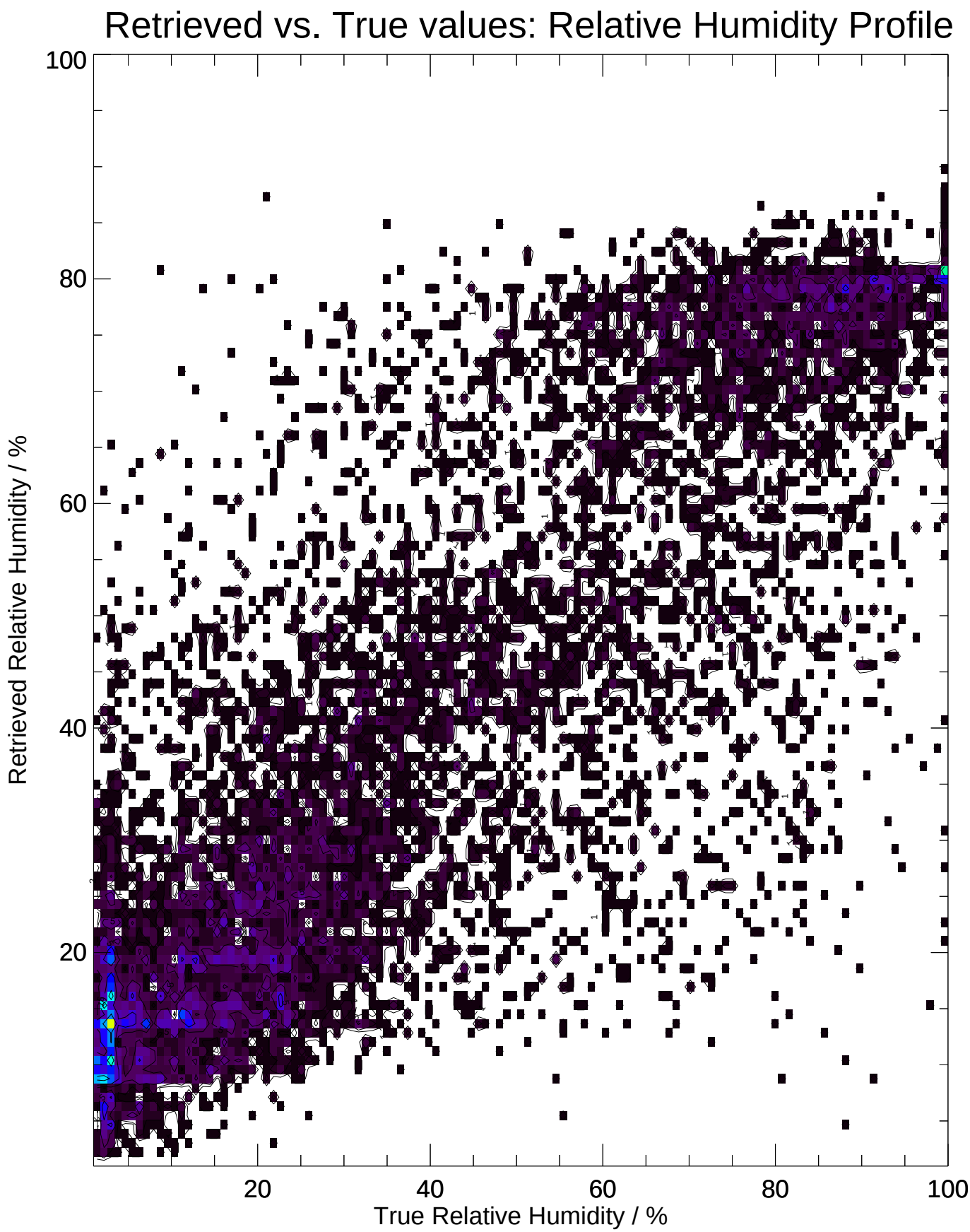

Relative Error (amplitude dependent)
Z = 6000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
N=1398
N=851
N=879
N=903
N=651
N=541
N=422
N=438
N=424
N=415
N=443
N=462
N=525
N=562
N=482
N=424

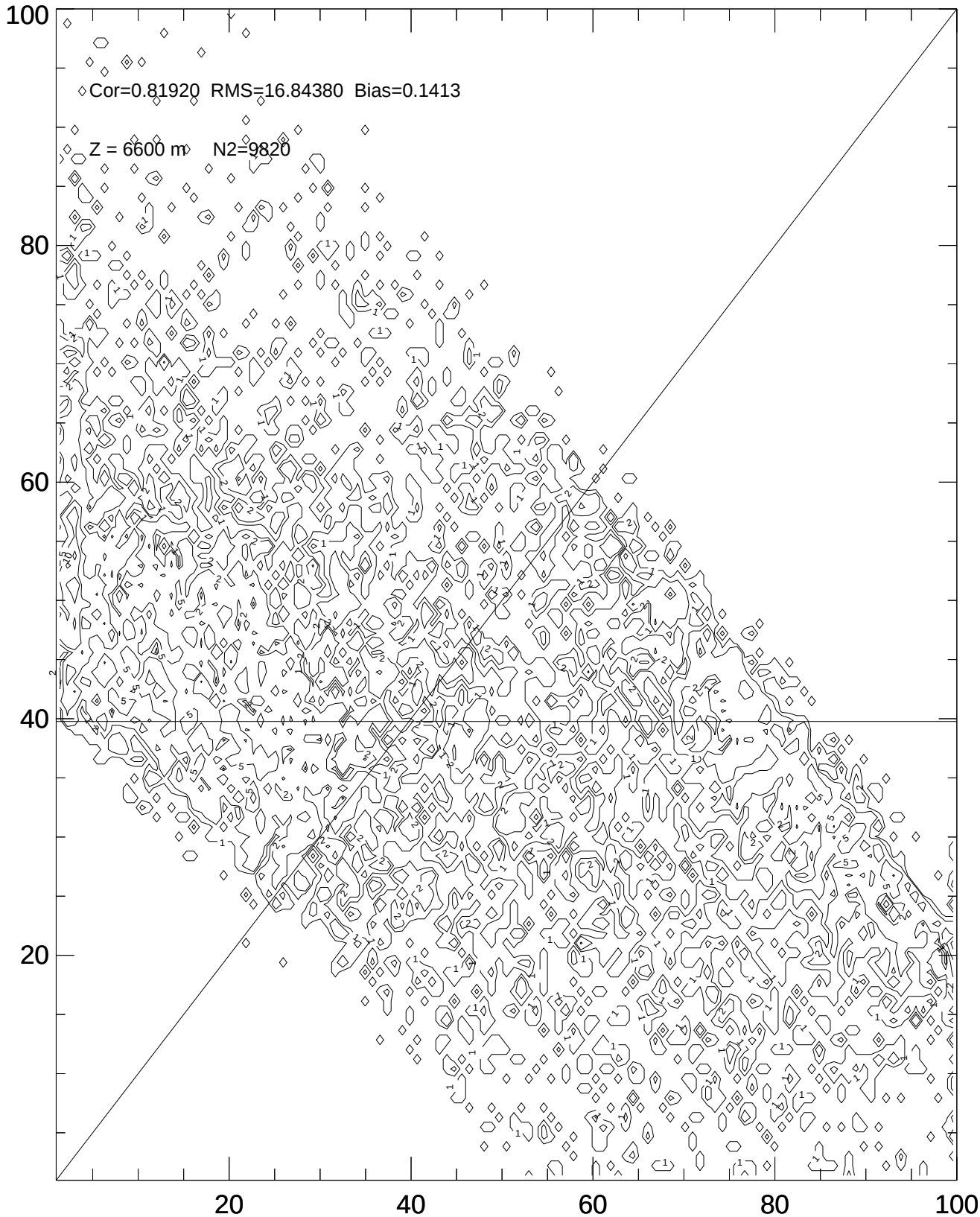

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

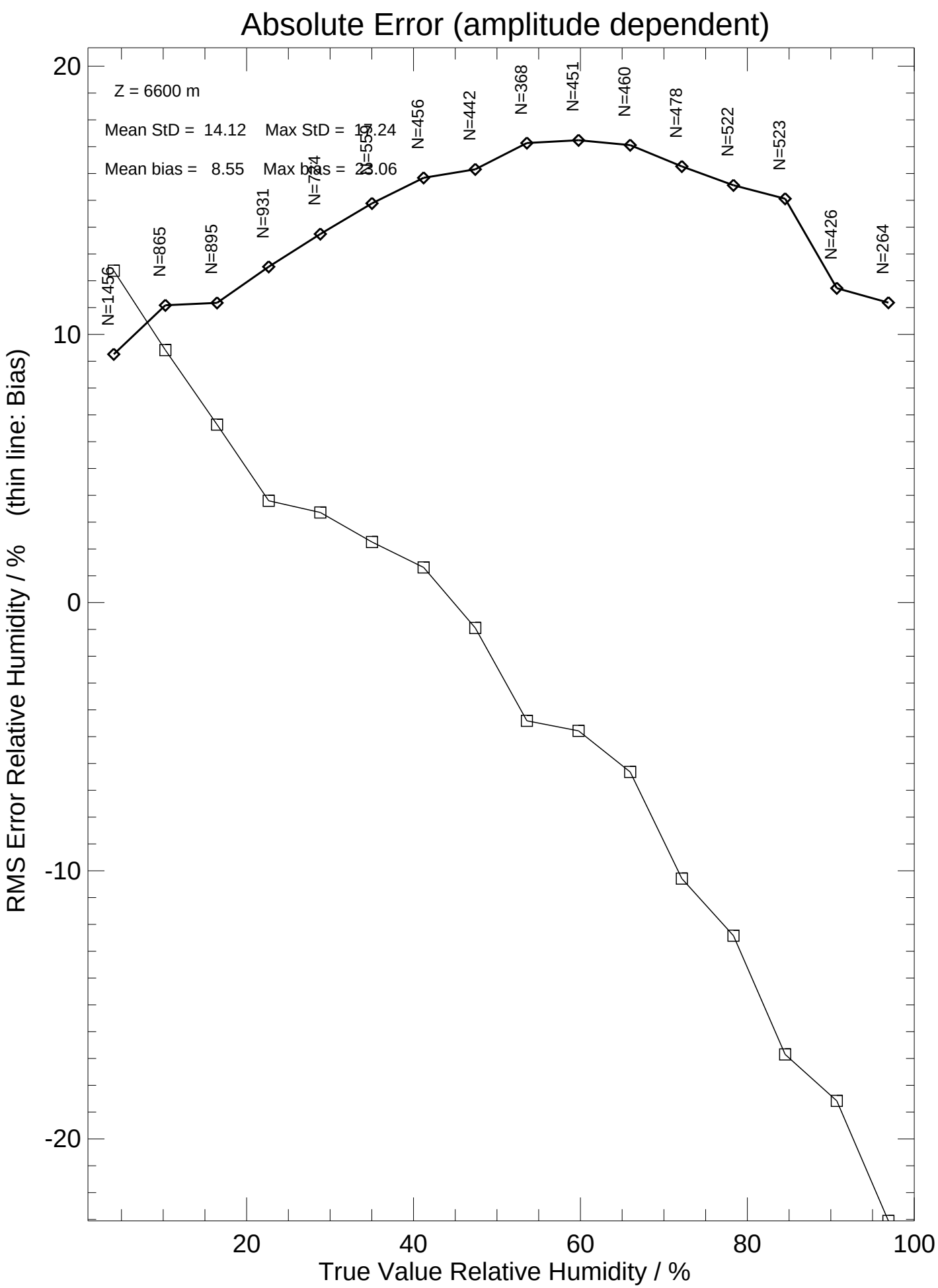

Cor=0.82887 RMS=16.83672 Bias=0.1919
Z = 6300 m N2=9820
100
80
60
40
20
20
40
60
80
100

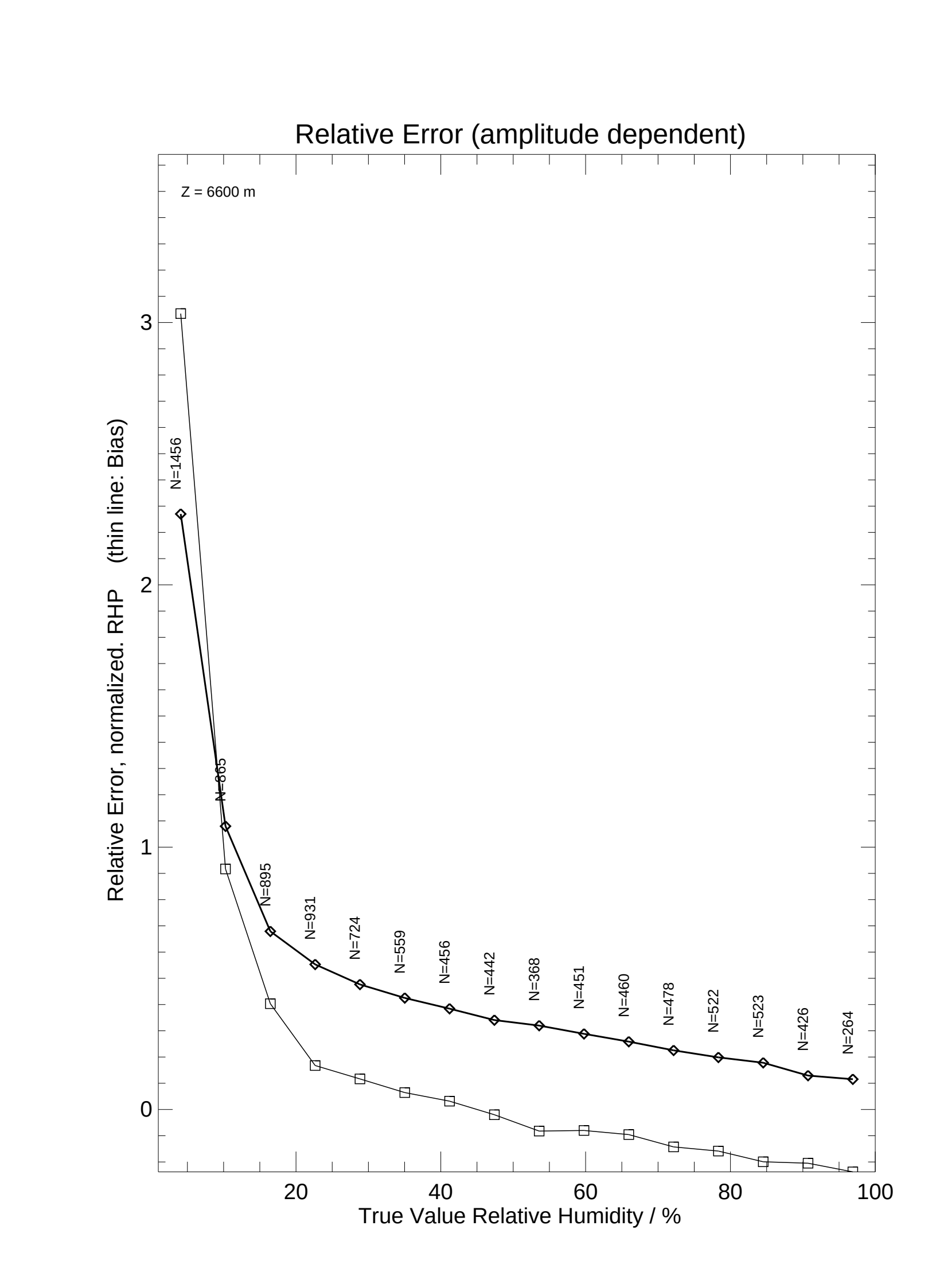

Absolute Error (amplitude dependent)
Z = 6300 m
Mean StD = 14.32 Max StD = 15.26
Mean bias = 8.01 Max bias = 21.81
N=1480
N=849
N=880
N=920
N=662
N=559
N=430
N=427
N=393
N=440
N=442
N=453
N=526
N=541
N=452
N=366
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
10
0
-10
-20
20
40
60
80
100

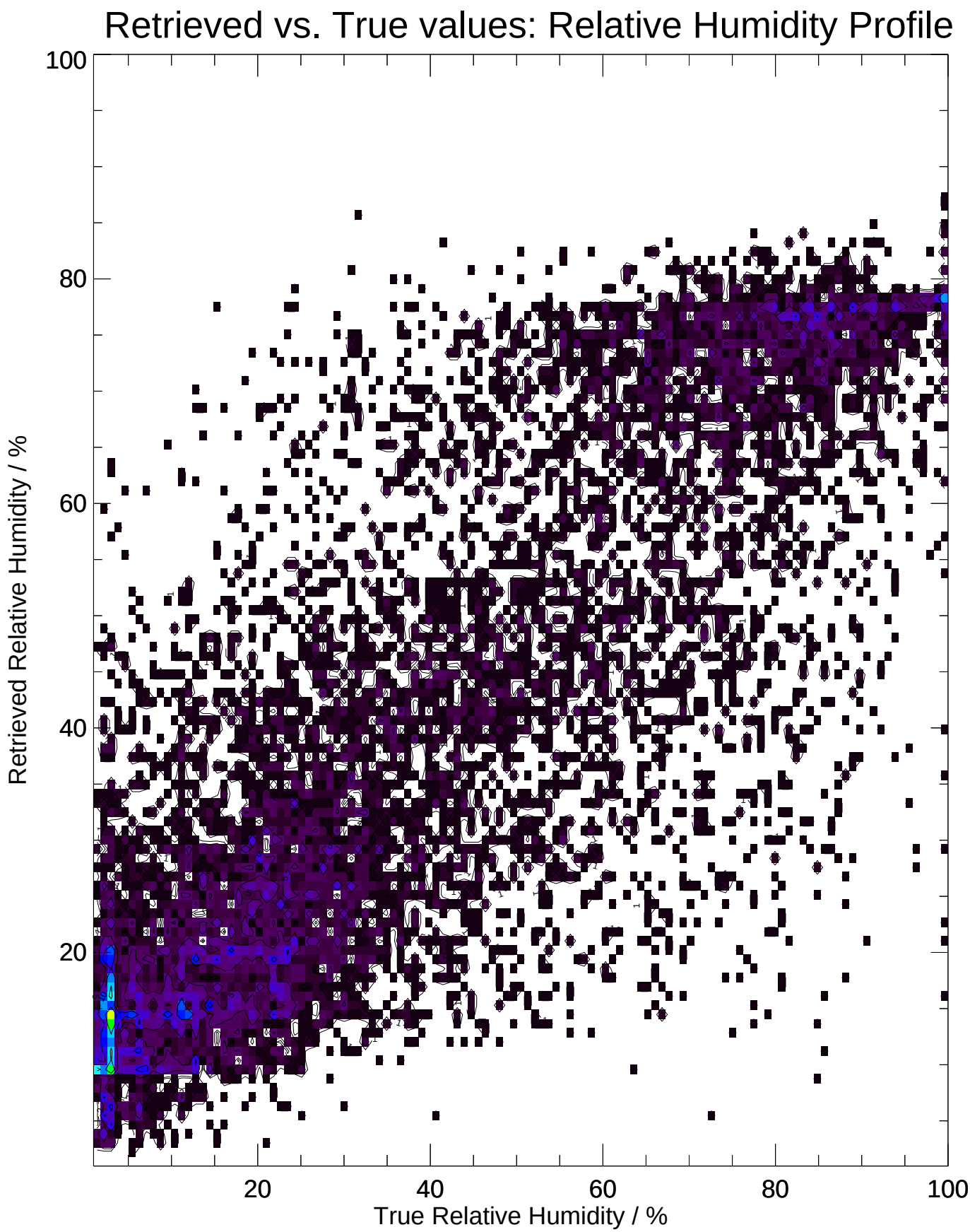

Relative Error (amplitude dependent)
Z = 6300 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1480
N=849
N=880
N=920
N=662
N=559
N=430
N=427
N=393
N=440
N=442
N=453
N=526
N=541
N=452
N=366

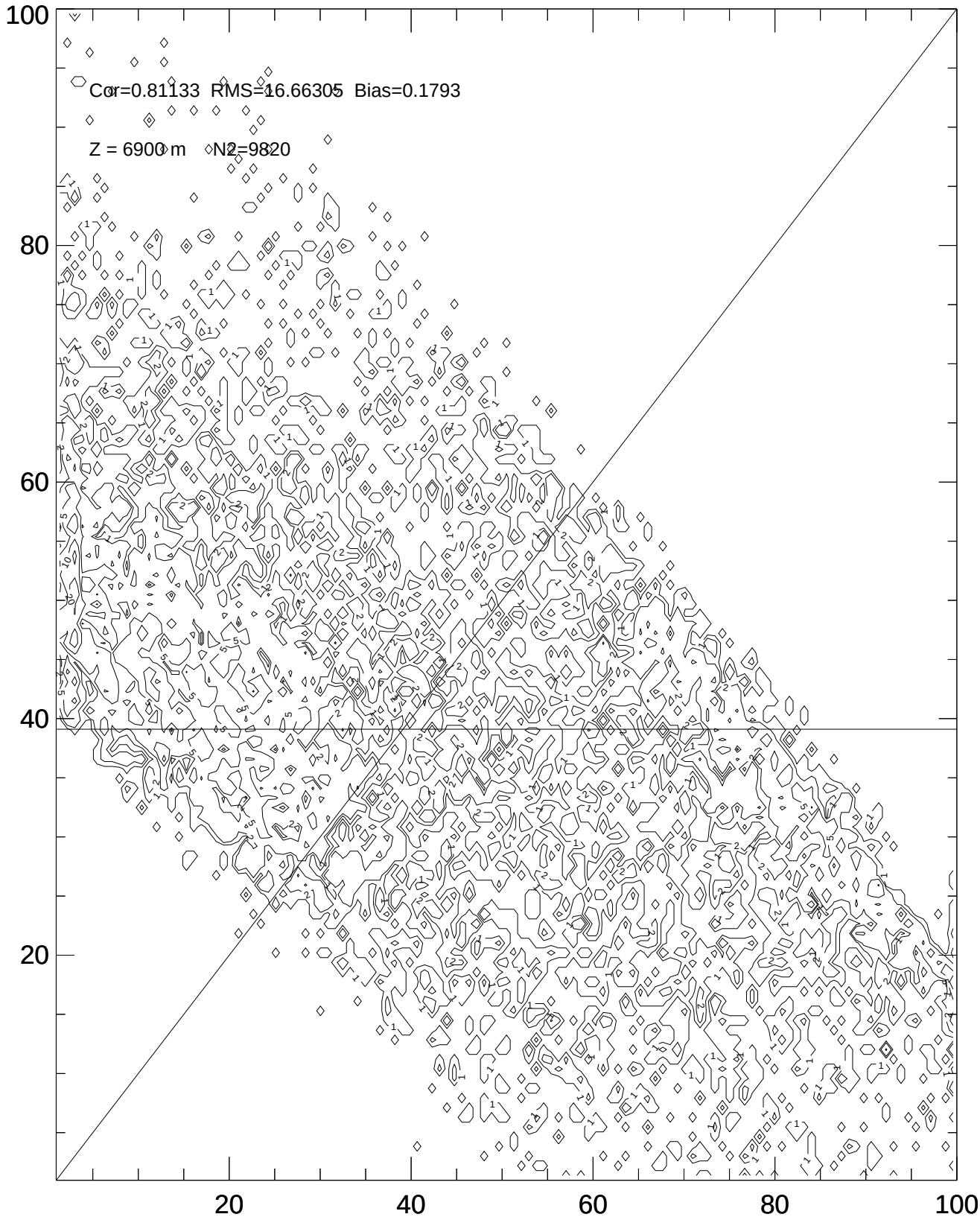

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

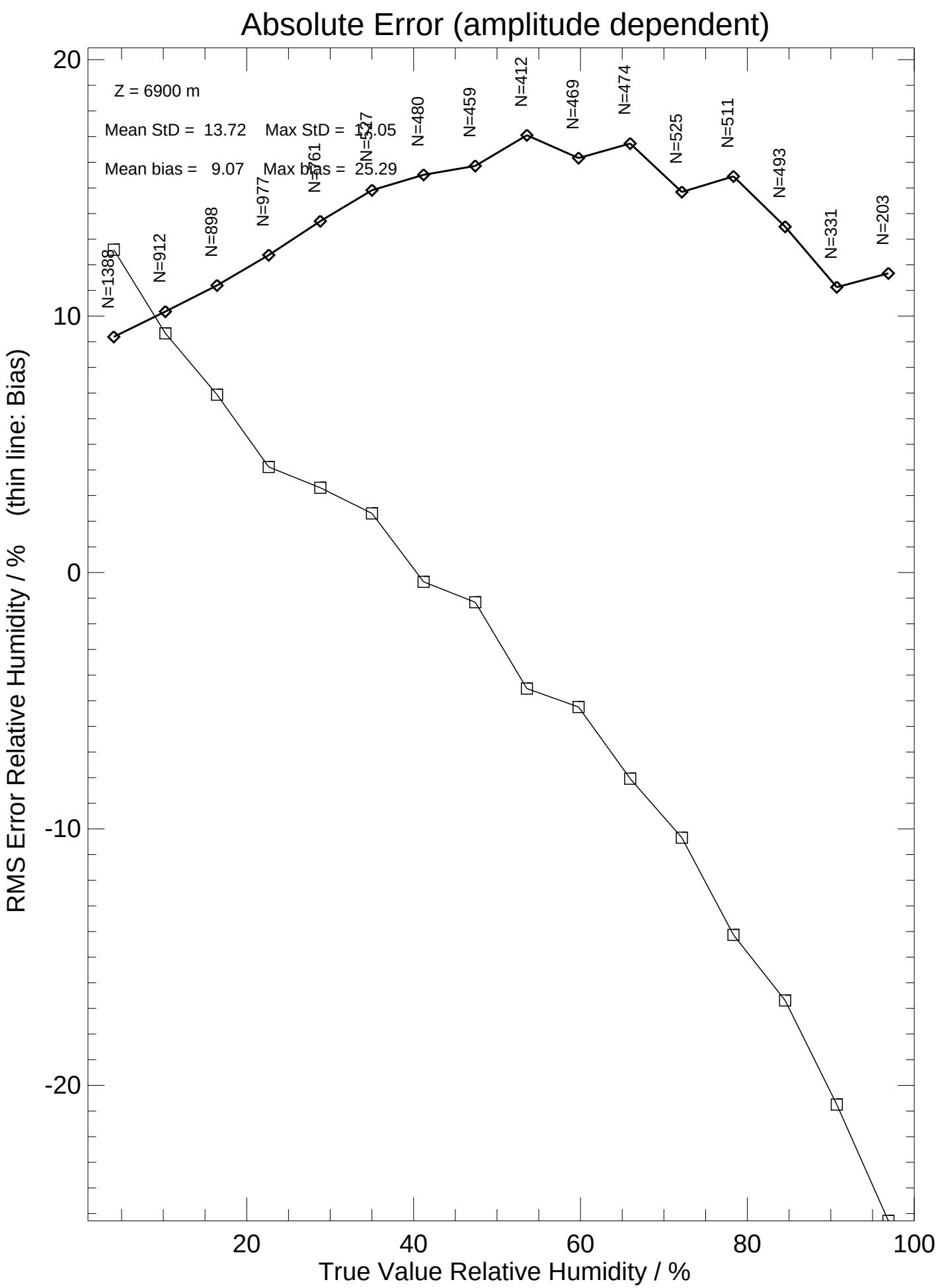

Cor=0.81920 RMS=16.84380 Bias=0.1413
Z = 6600 m N2=9820
100
80
60
40
20
20
40
60
80
100

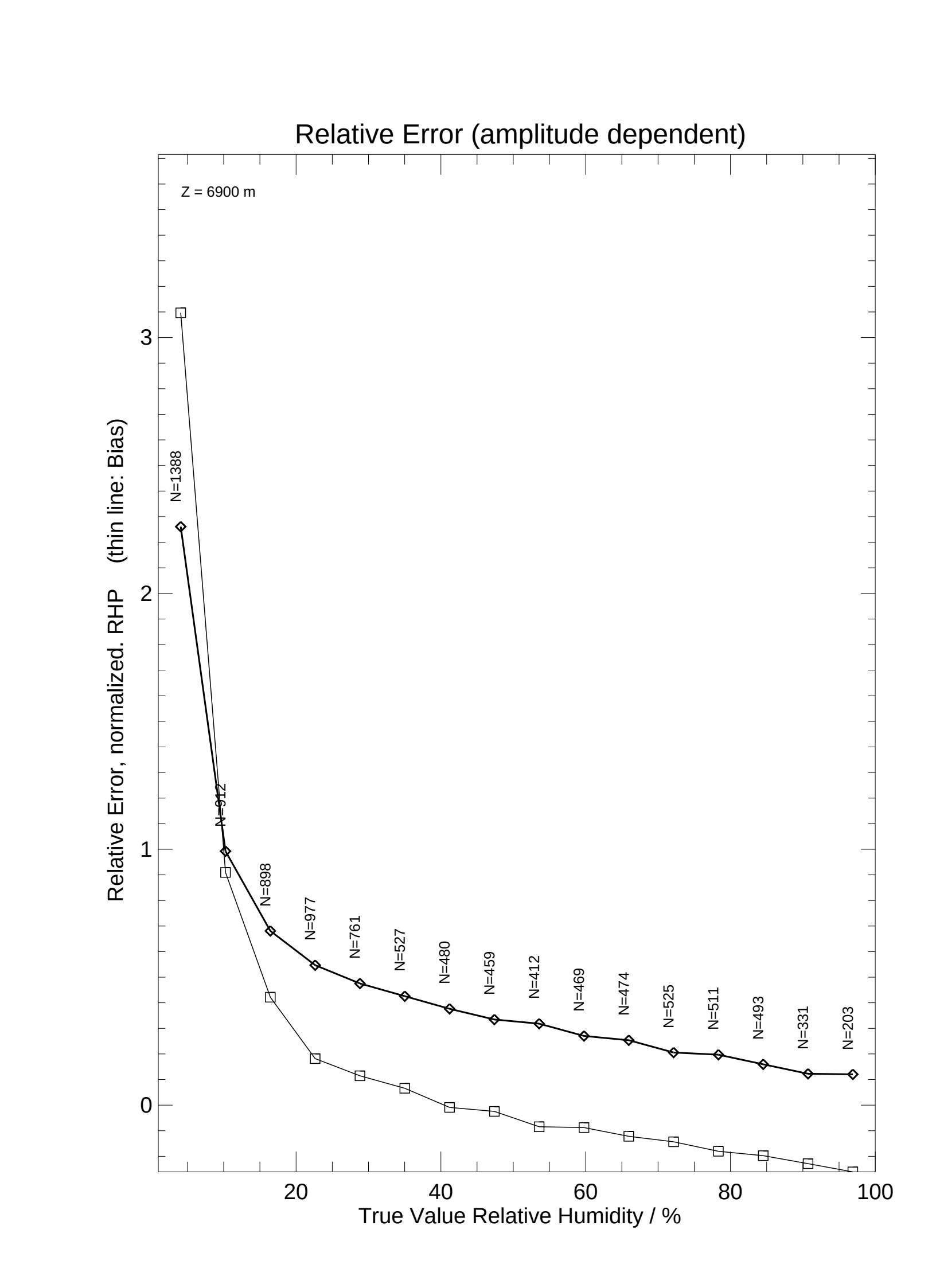

Absolute Error (amplitude dependent)
Z = 6600 m
Mean StD = 14.12 Max StD = 18.24
Mean bias = 8.55 Max bias = 23.06
N=1456
N=865
N=895
N=931
N=764
N=555
N=456
N=442
N=368
N=451
N=460
N=478
N=522
N=523
N=426
N=264
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
10
0
-10
-20
20
40
60
80
100

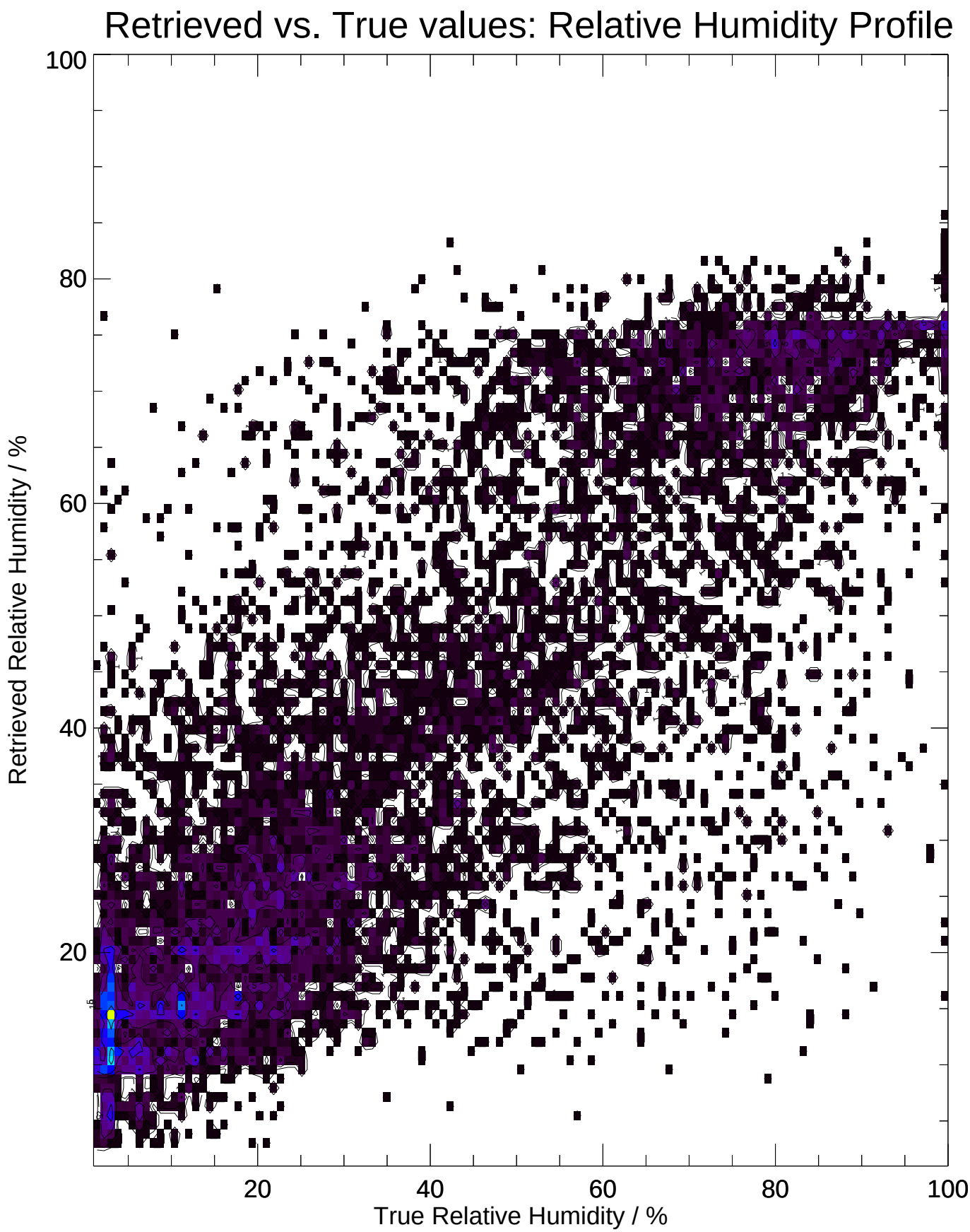

Relative Error (amplitude dependent)
Z = 6600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1456
N=865
N=895
N=931
N=724
N=559
N=456
N=442
N=368
N=451
N=460
N=478
N=522
N=523
N=426
N=264

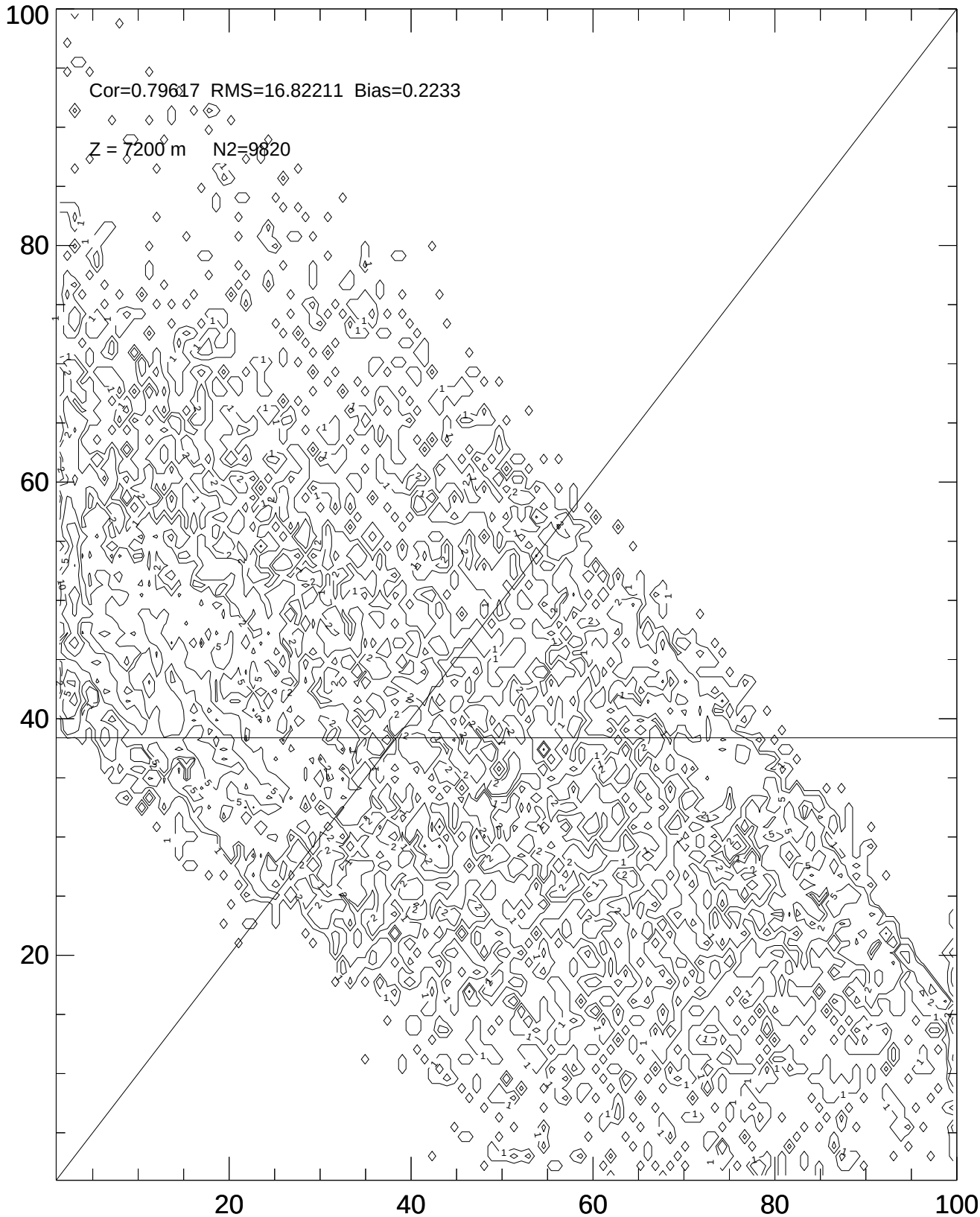

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

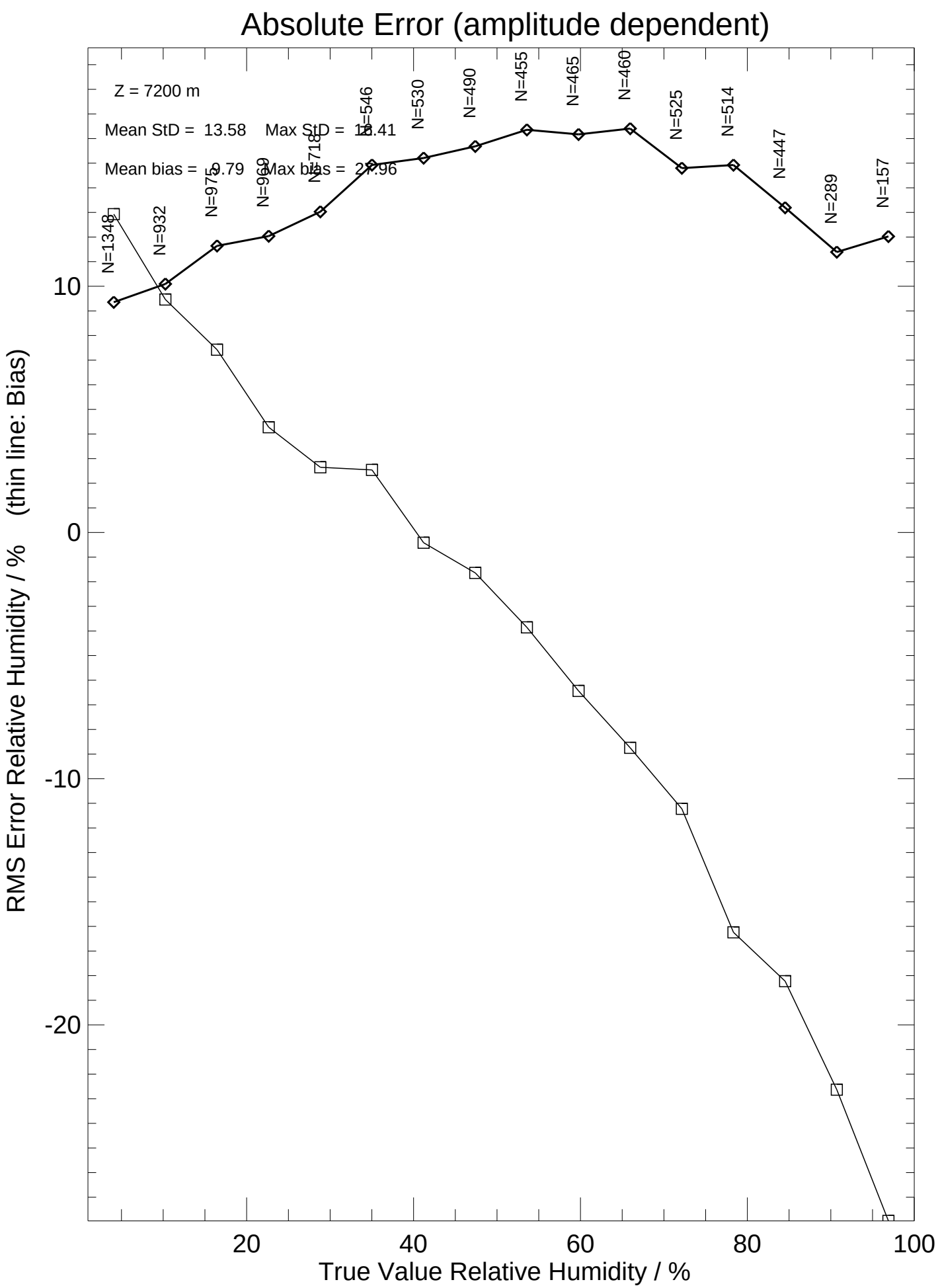

Cor=0.81133 RMS=16.66305 Bias=0.1793
Z = 6900 m N2=9820
100
80
60
40
20
20
40
60
80
100

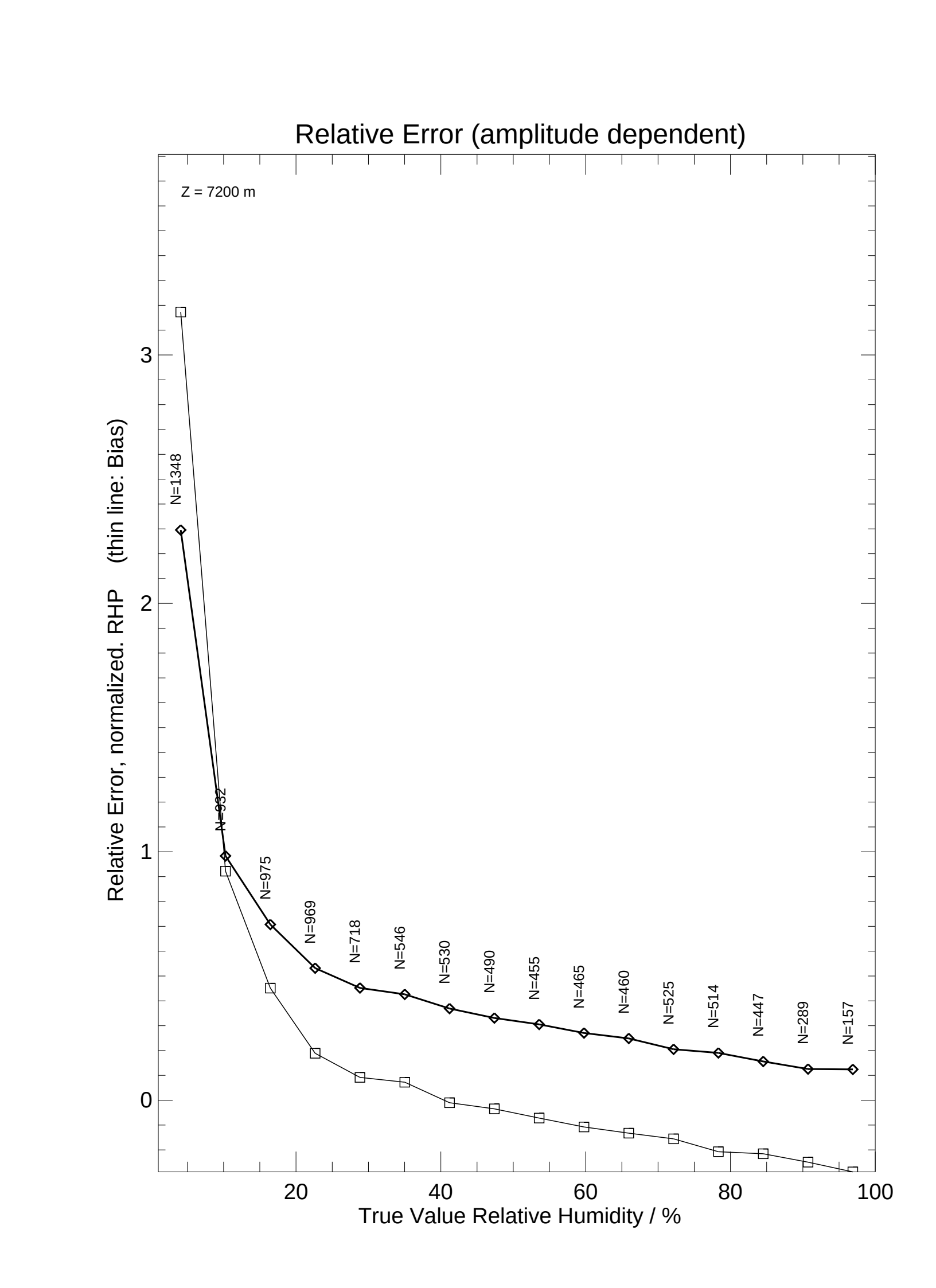

Absolute Error (amplitude dependent)
Z = 6900 m
Mean StD = 13.72 Max StD = 17.05
Mean bias = 9.07 Max bias = 25.29
N=1388
N=912
N=898
N=977
N=761
N=527
N=480
N=459
N=412
N=469
N=474
N=525
N=511
N=493
N=331
N=203
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
20
10
0
-10
-20
20
40
60
80
100

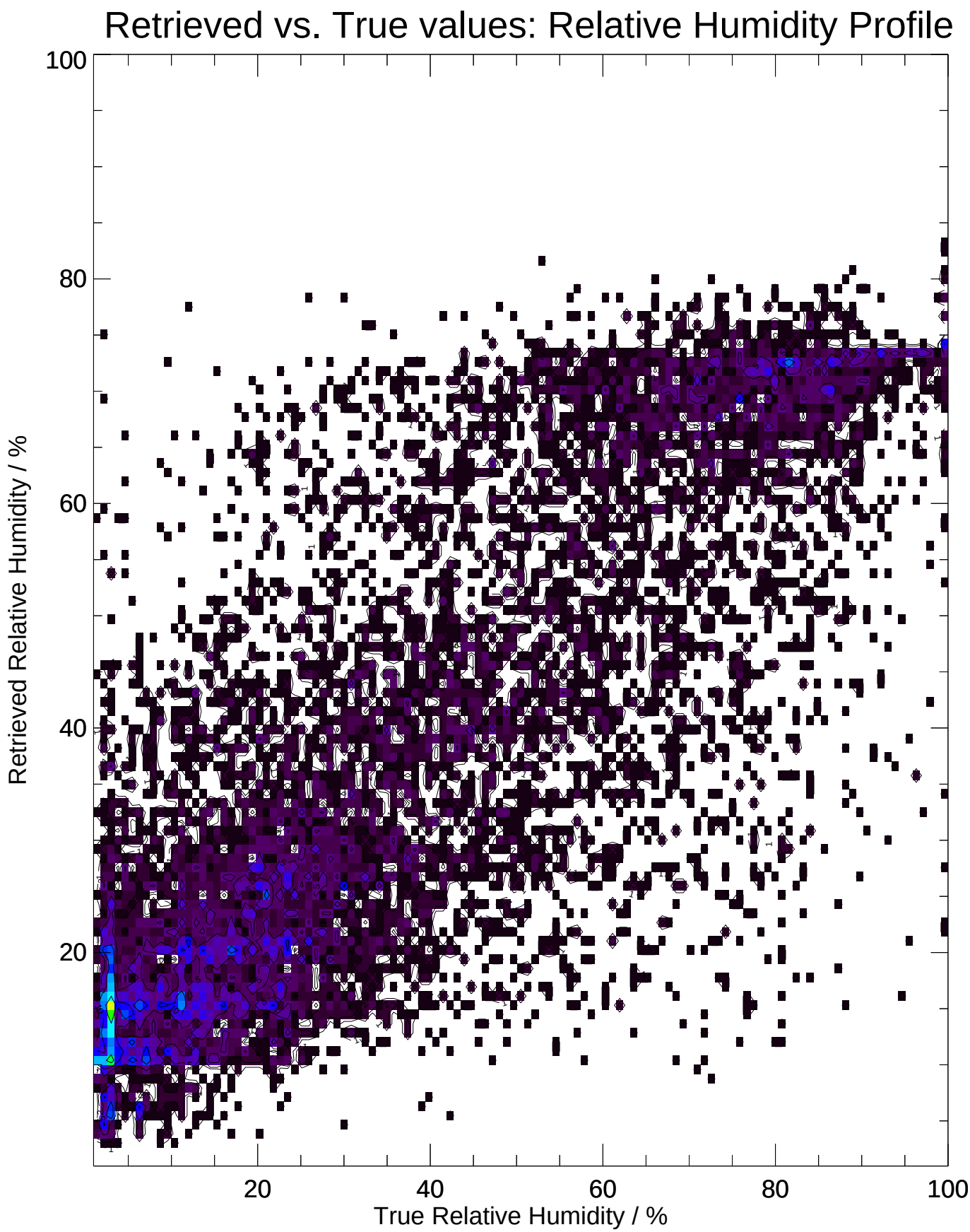

Relative Error (amplitude dependent)
Z = 6900 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1388
N=912
N=898
N=977
N=761
N=527
N=480
N=459
N=412
N=469
N=474
N=525
N=511
N=493
N=331
N=203

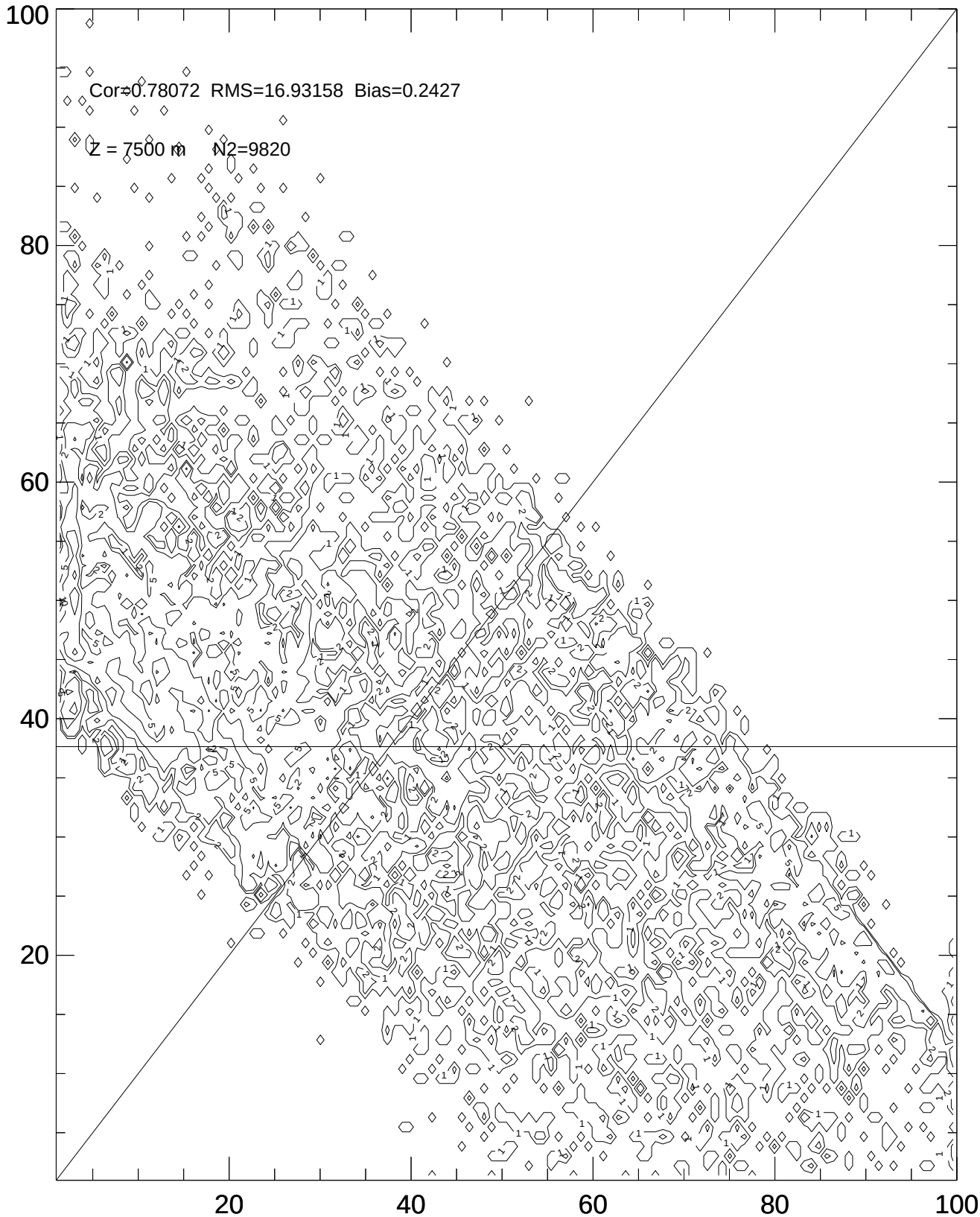

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

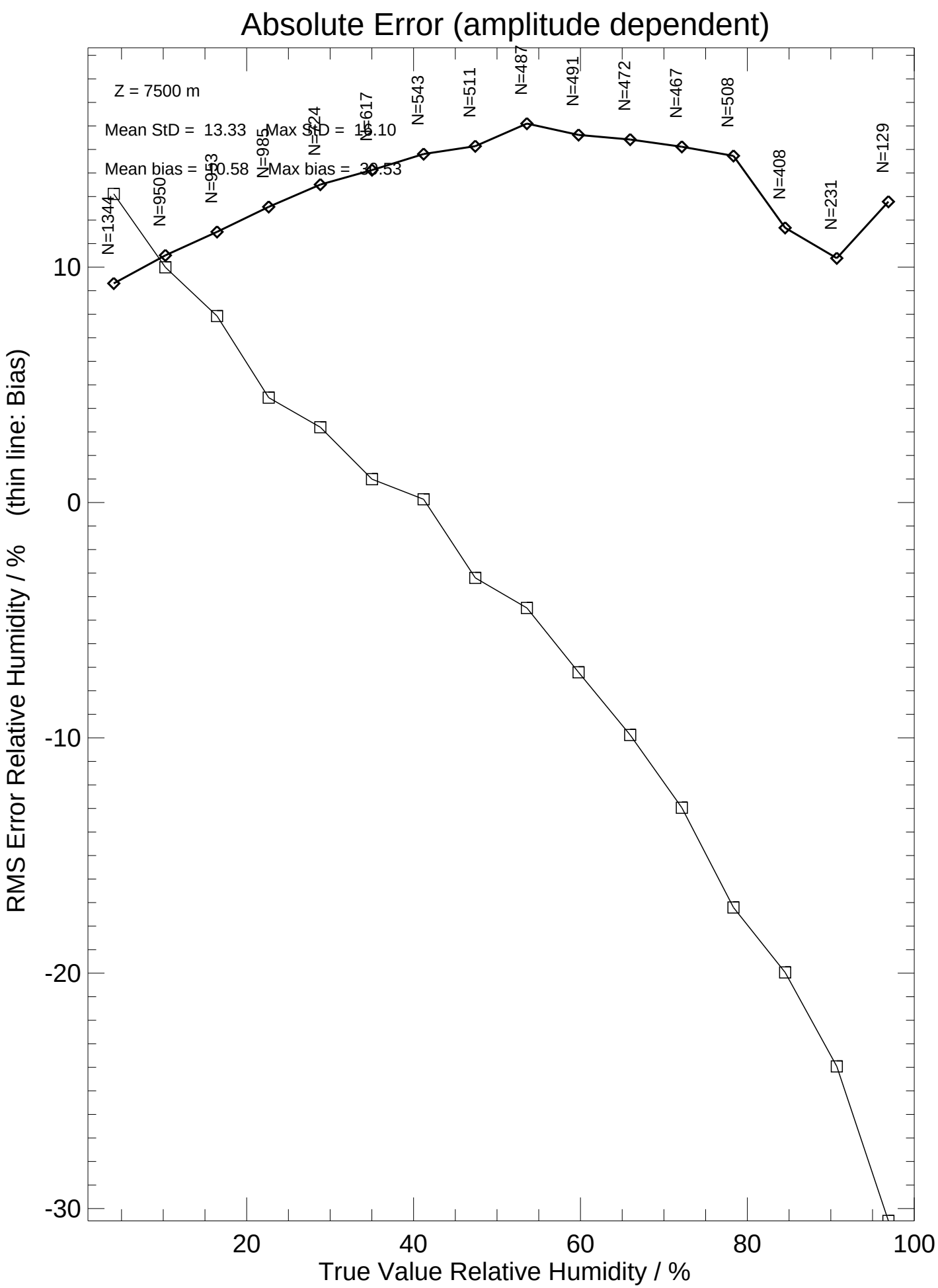

Cor=0.79617 RMS=16.82211 Bias=0.2233
Z = 7200 m N2=9820
100
80
60
40
20
20
40
60
80
100

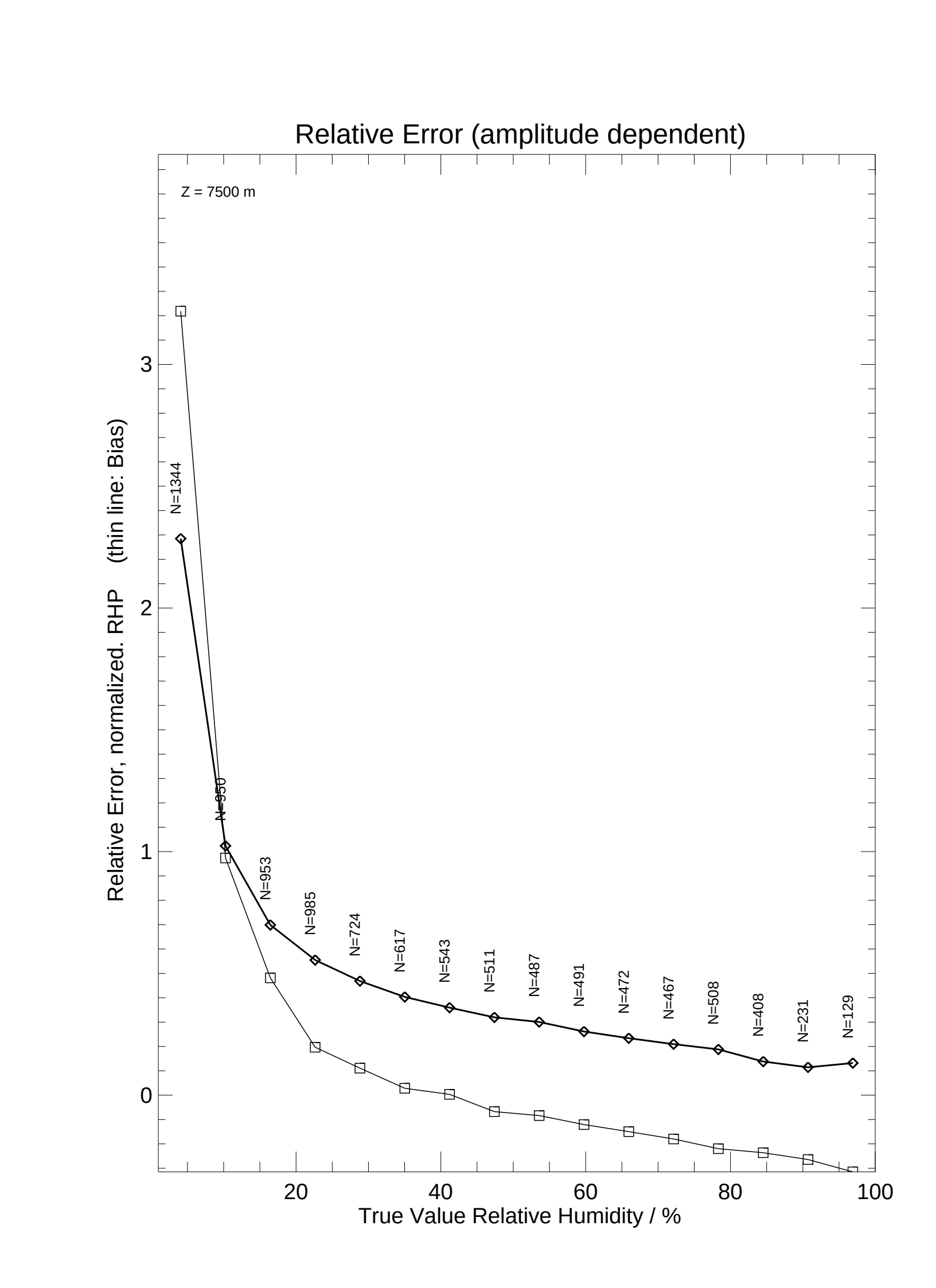

Absolute Error (amplitude dependent)
Z = 7200 m
Mean StD = 13.58 Max StD = 18.41
Mean bias = -0.79 Max bias = 27.96
N=1348
N=932
N=975
N=969
N=718
N=546
N=530
N=490
N=455
N=465
N=460
N=525
N=514
N=447
N=289
N=157
10
0
-10
-20
20
40
60
80
100
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %

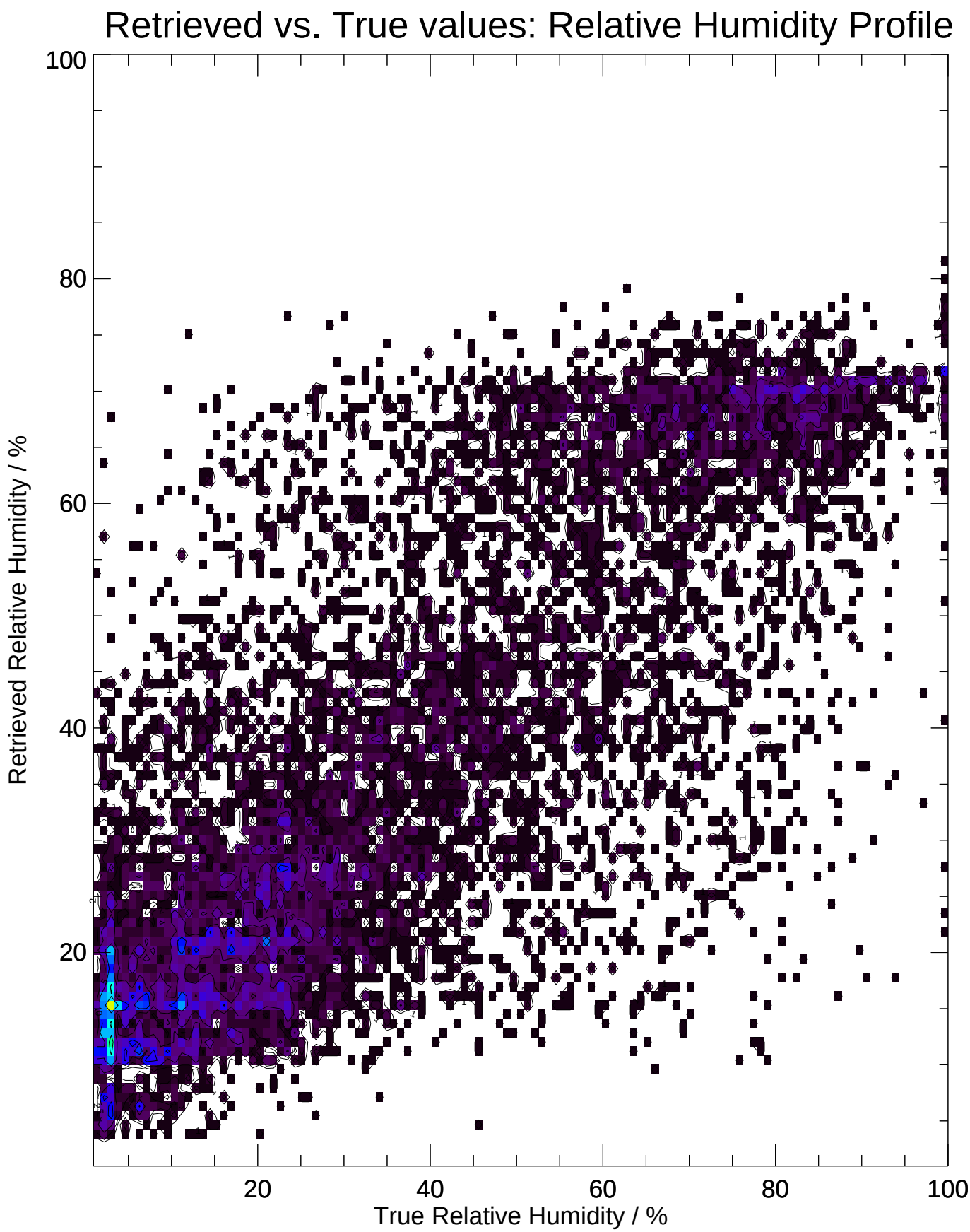

Relative Error (amplitude dependent)
Z = 7200 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1348
N=932
N=975
N=969
N=718
N=546
N=530
N=490
N=455
N=465
N=460
N=525
N=514
N=447
N=289
N=157

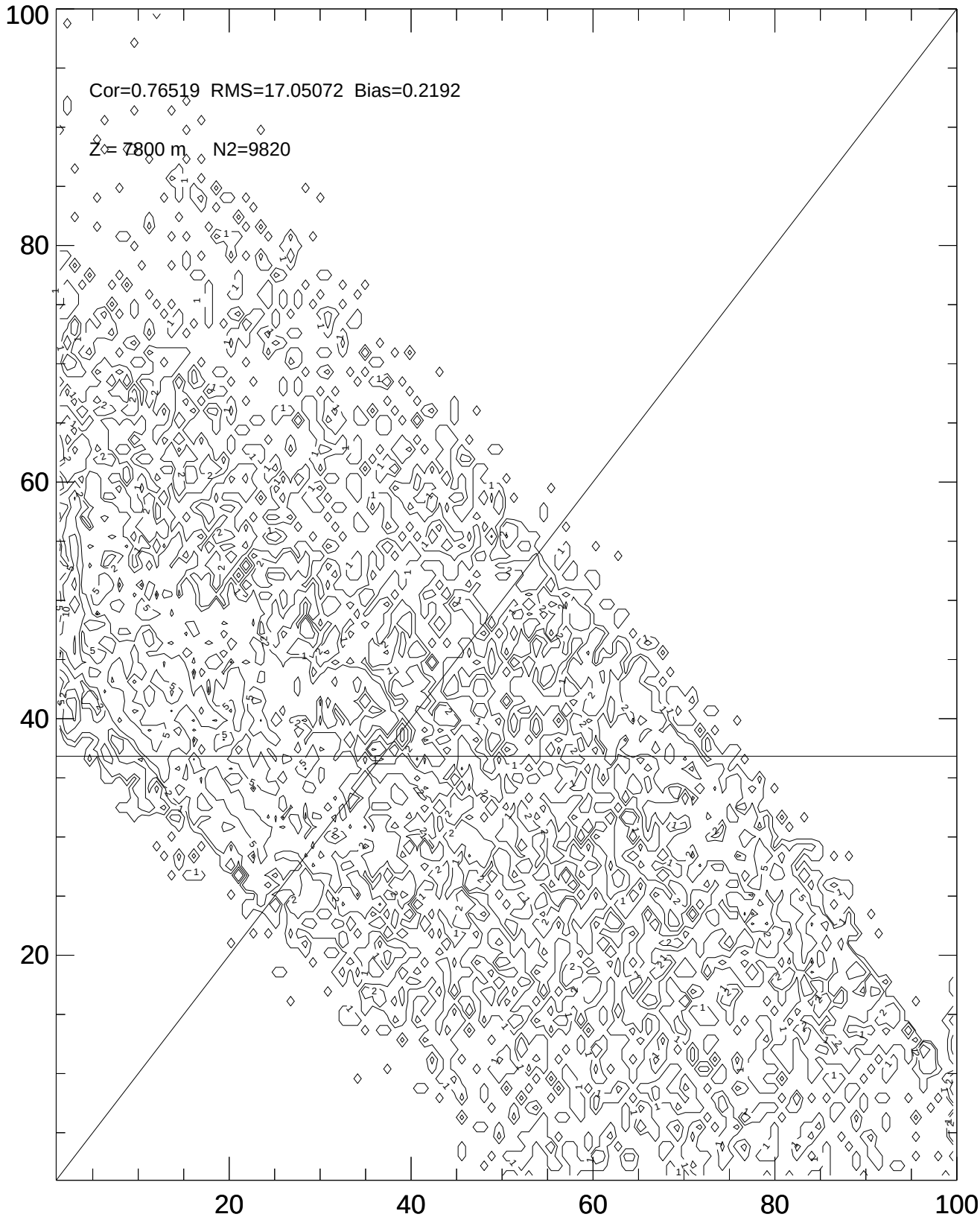

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

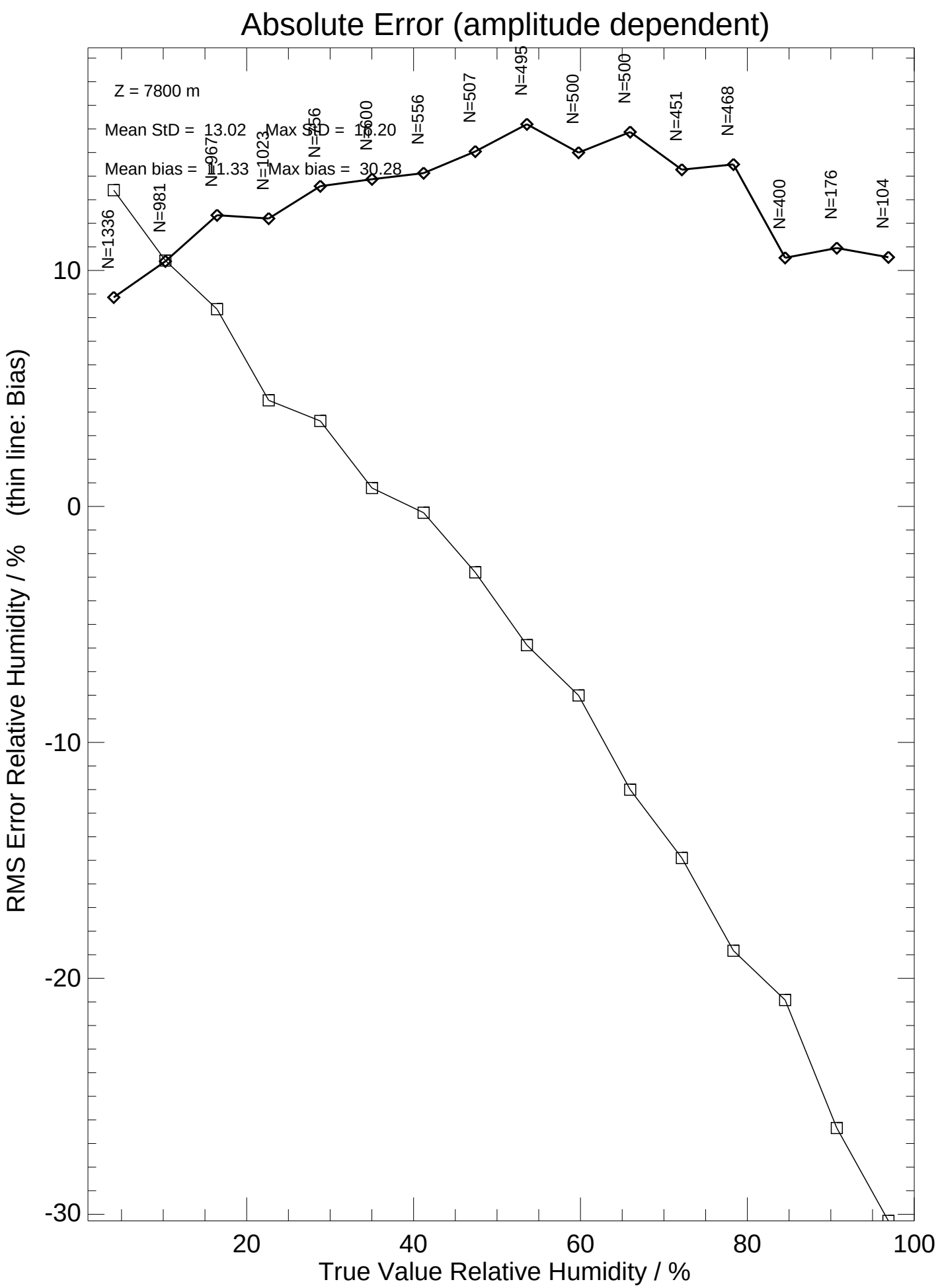

Cor=0.78072 RMS=16.93158 Bias=0.2427
Z = 7500 m N2=9820
100
80
60
40
20
20
40
60
80
100

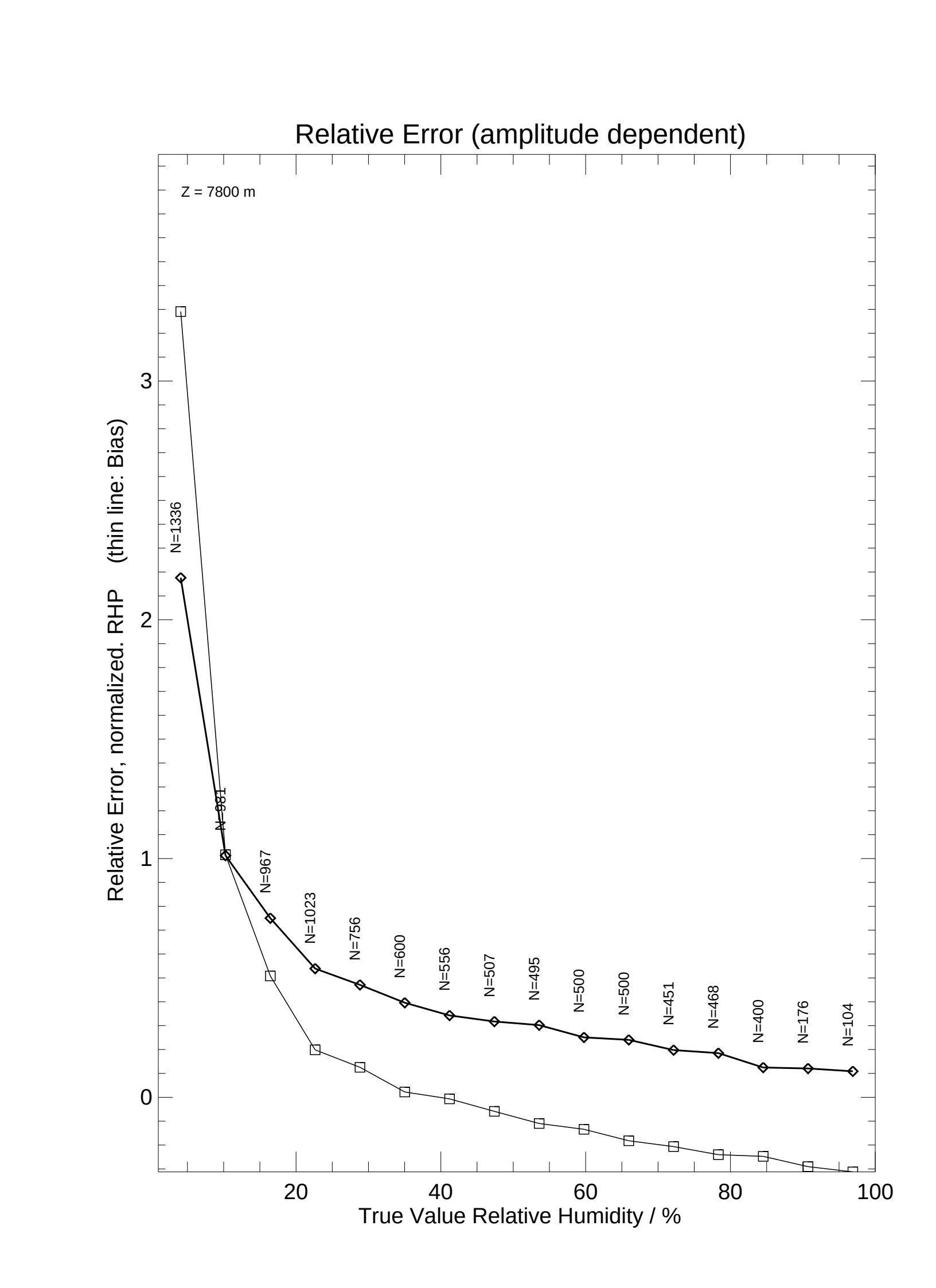

Absolute Error (amplitude dependent)
Z = 7500 m
Mean StD = 13.33 Max StD = 15.10
Mean bias = -0.58 Max bias = 30.53
N=1344
N=950
N=953
N=985
N=924
N=617
N=543
N=511
N=487
N=491
N=472
N=467
N=508
N=408
N=231
N=129
10
0
-10
-20
-30
RMS Error Relative Humidity / % (thin line: Bias)
20
40
60
80
100
True Value Relative Humidity / %

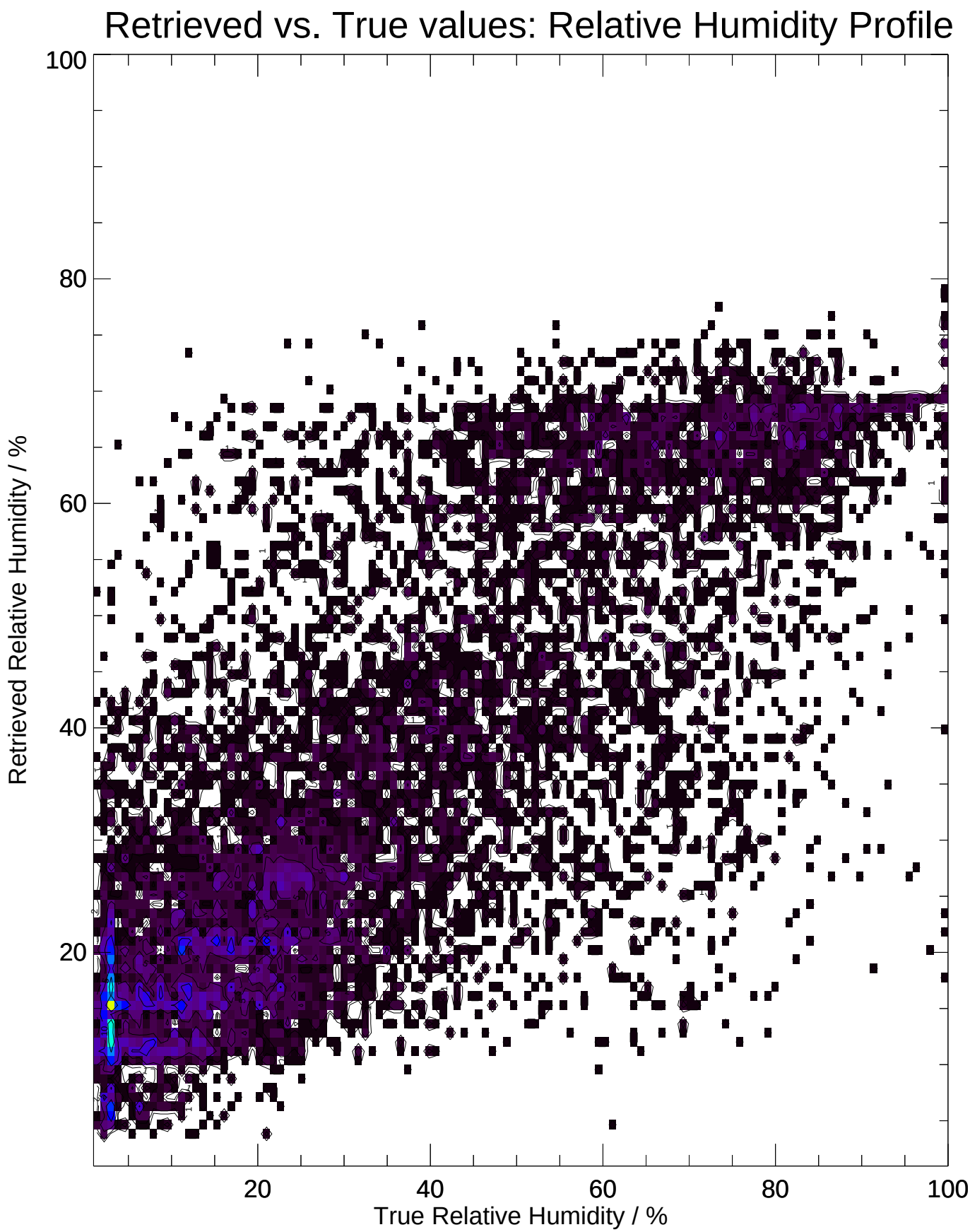

Relative Error (amplitude dependent)
Z = 7500 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1344
N=950
N=953
N=985
N=724
N=617
N=543
N=511
N=487
N=491
N=472
N=467
N=508
N=408
N=231
N=129

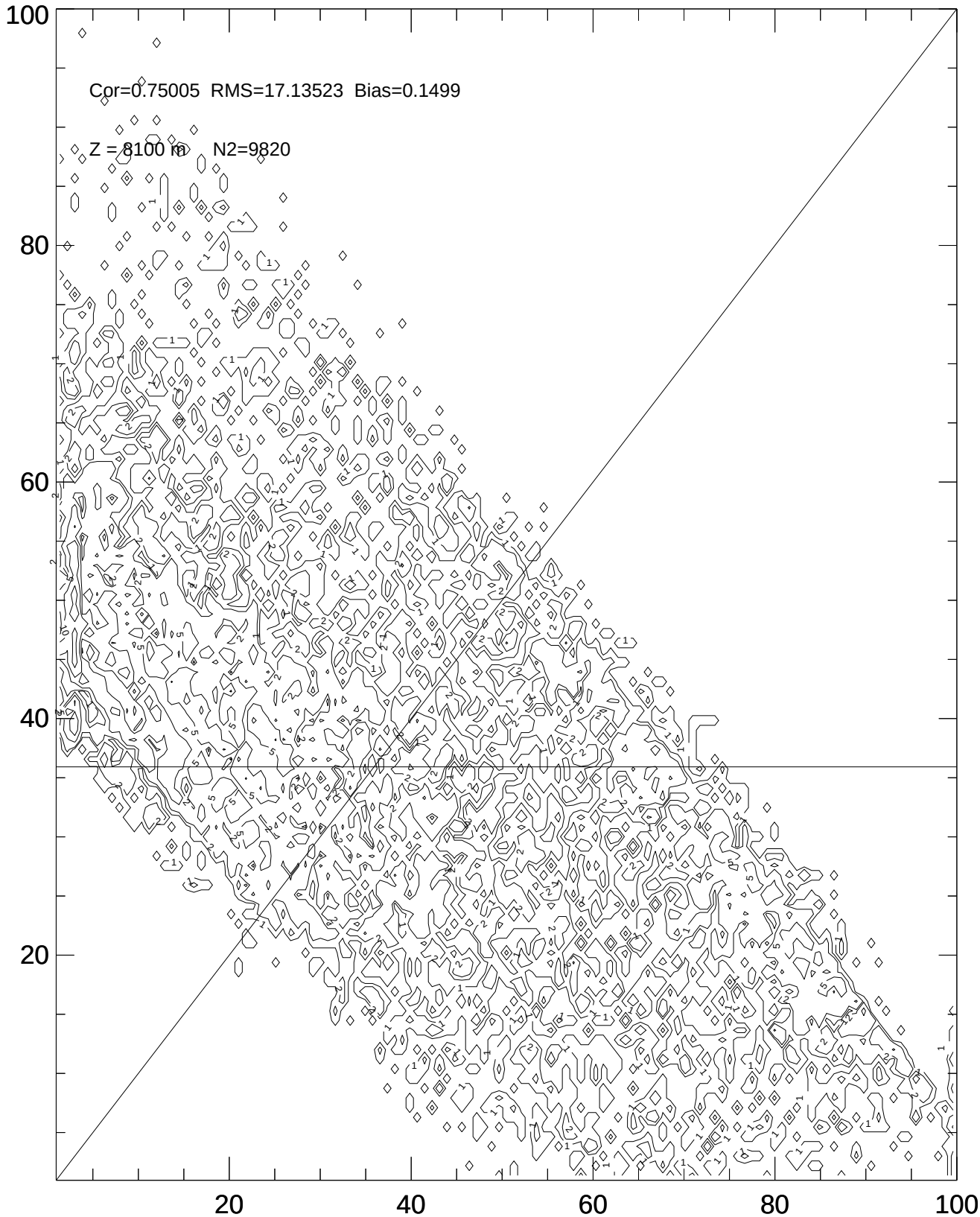

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

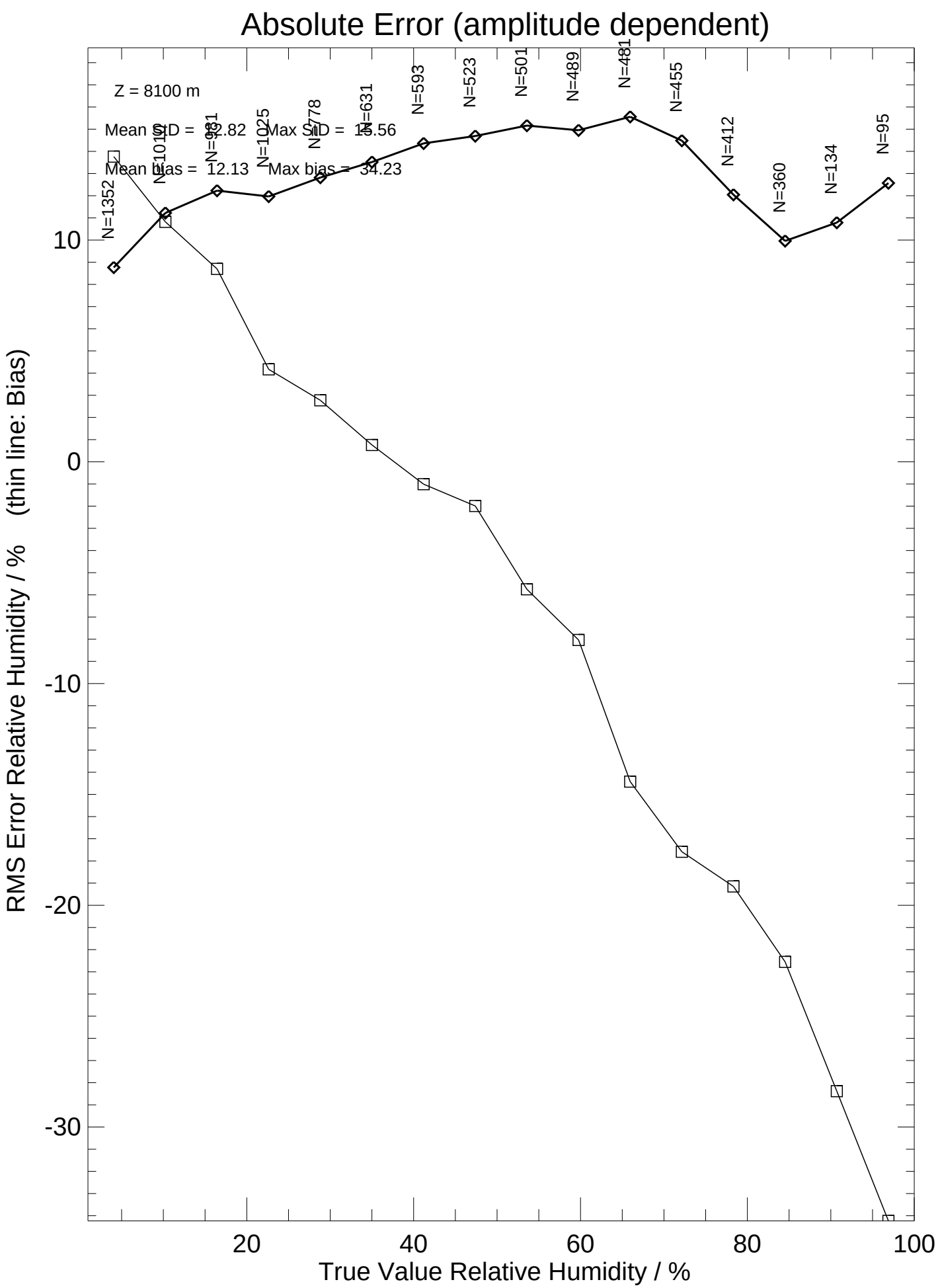

Cor=0.76519 RMS=17.05072 Bias=0.2192
Z= 7800 m N2=9820
100
80
60
40
20
20
40
60
80
100

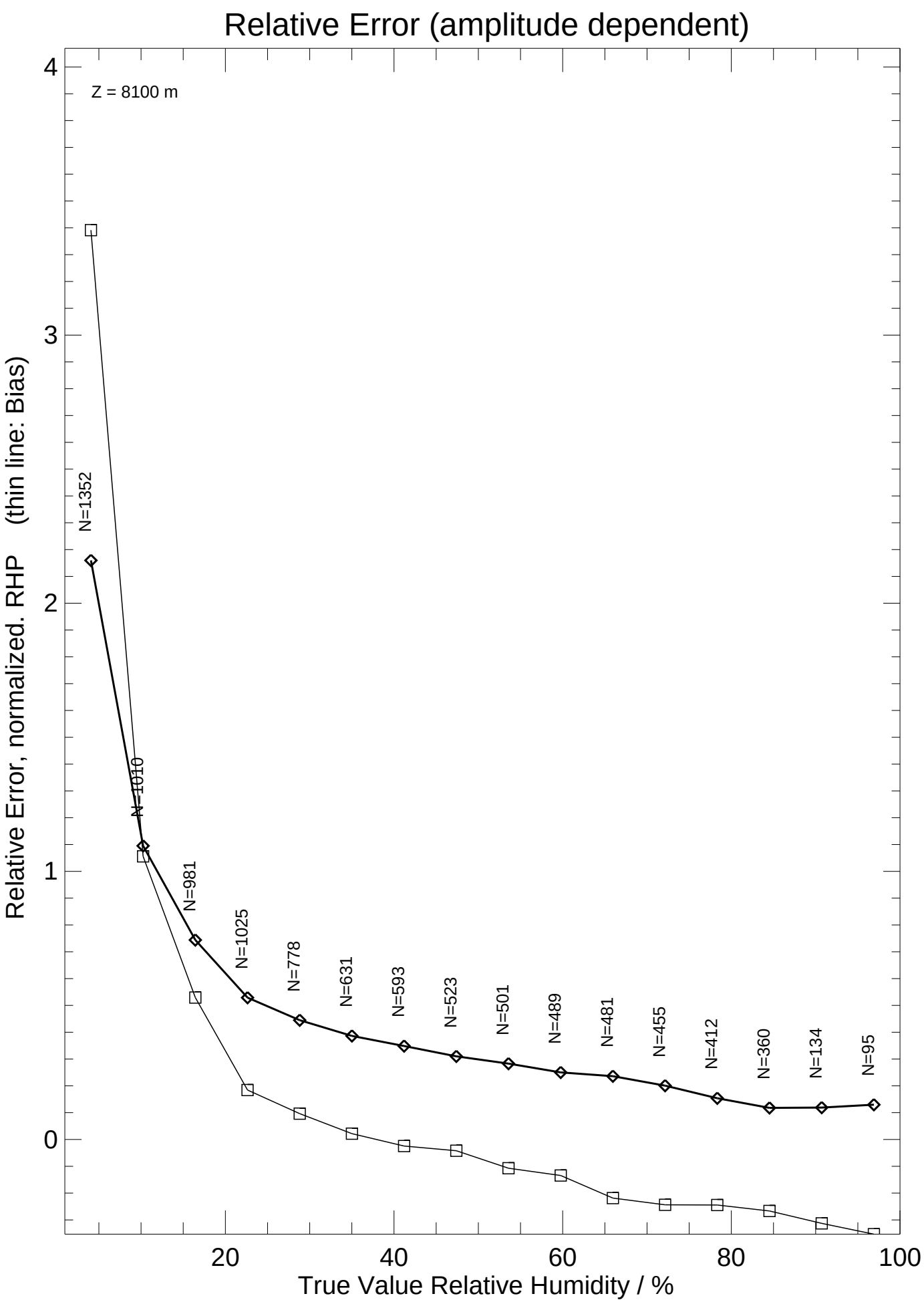

Absolute Error (amplitude dependent)
Z = 7800 m
Mean StD = 13.02 Max StD = 15.20
Mean bias = 1.33 Max bias = 30.28
N=1336
N=981
N=967
N=1023
N=956
N=600
N=556
N=507
N=495
N=500
N=500
N=451
N=468
N=400
N=176
N=104
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
10
0
-10
-20
-30
20
40
60
80
100

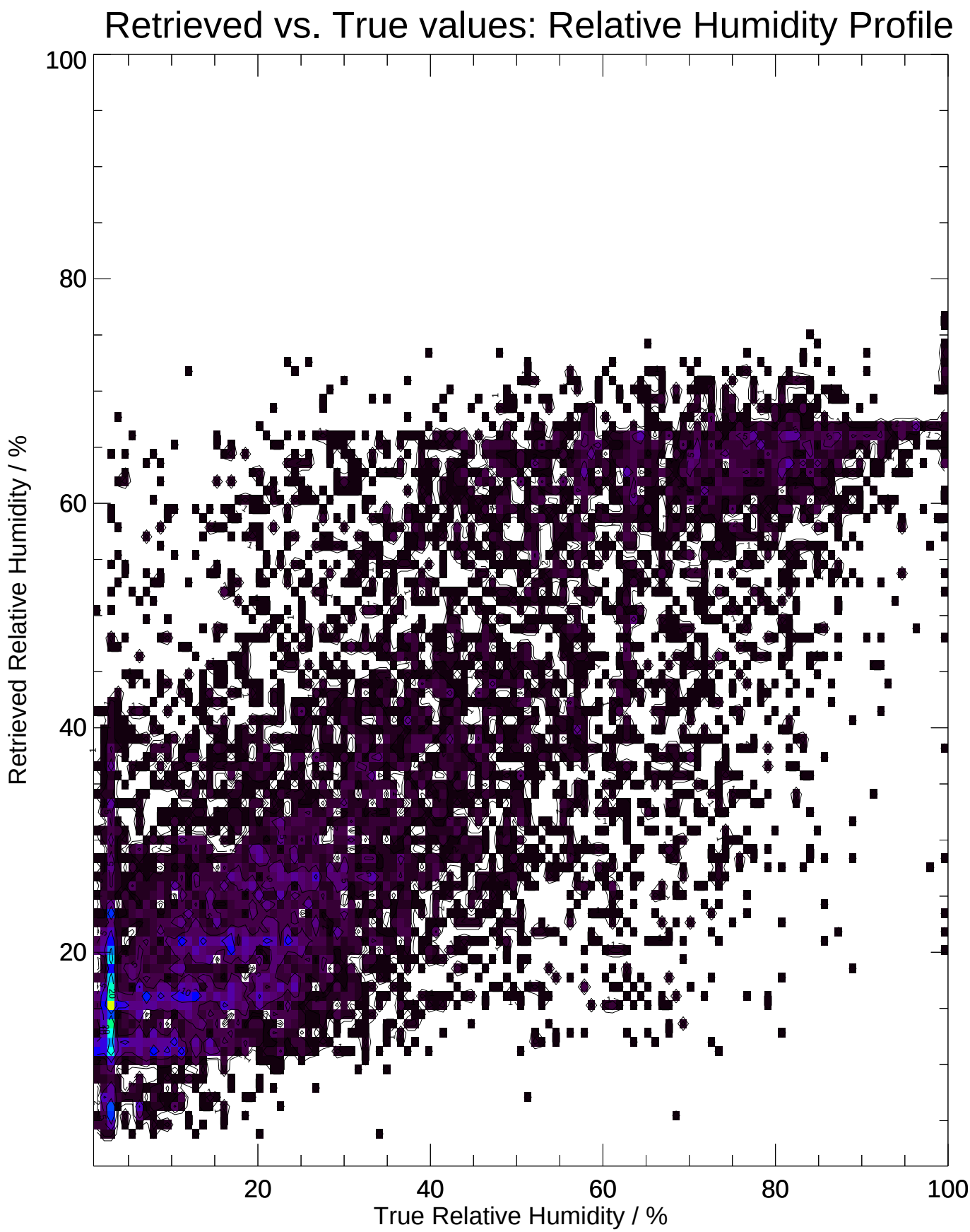

Relative Error (amplitude dependent)
Z = 7800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
20
40
60
80
100
N=1336
N=981
N=967
N=1023
N=756
N=600
N=556
N=507
N=495
N=500
N=500
N=451
N=468
N=400
N=176
N=104

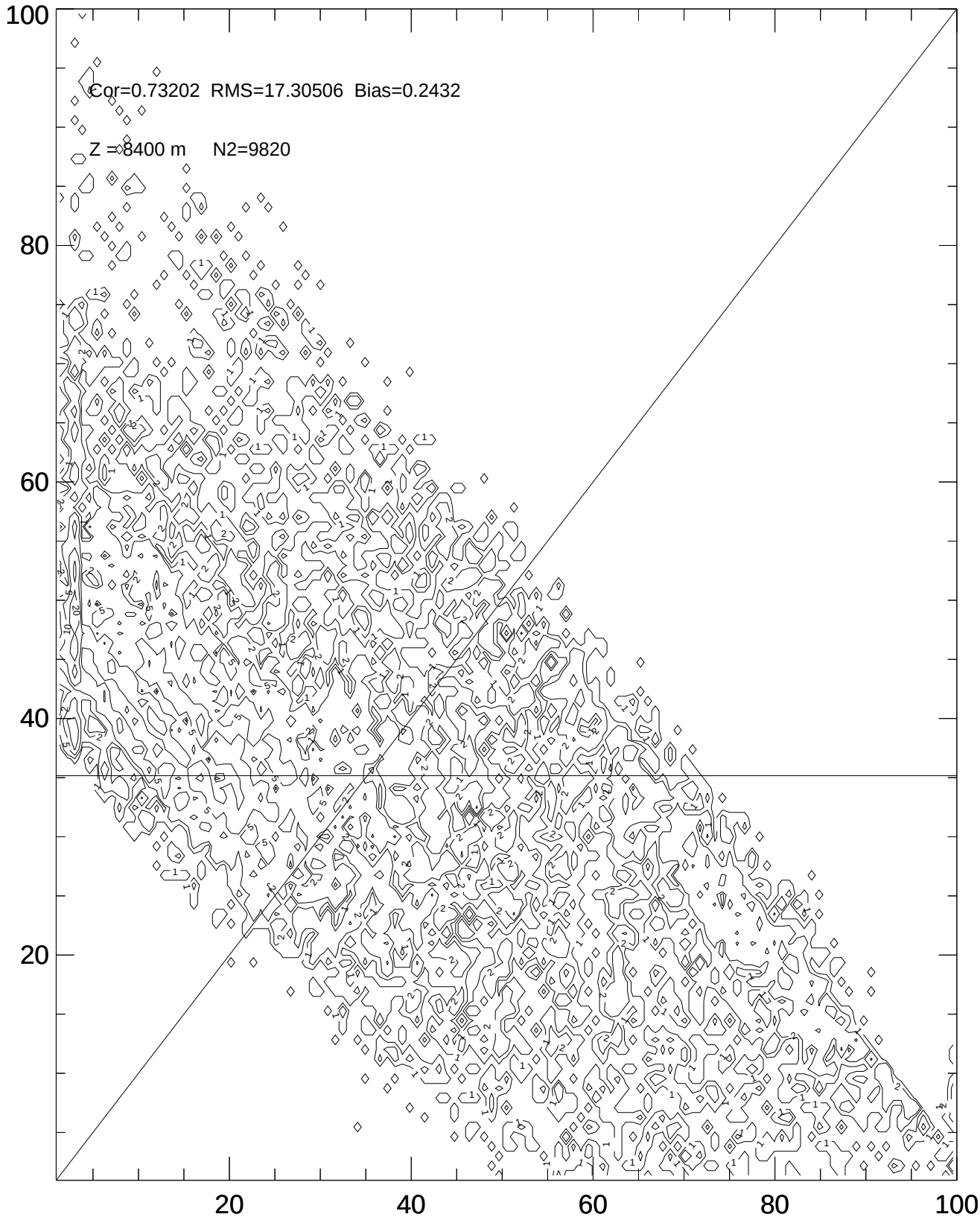

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

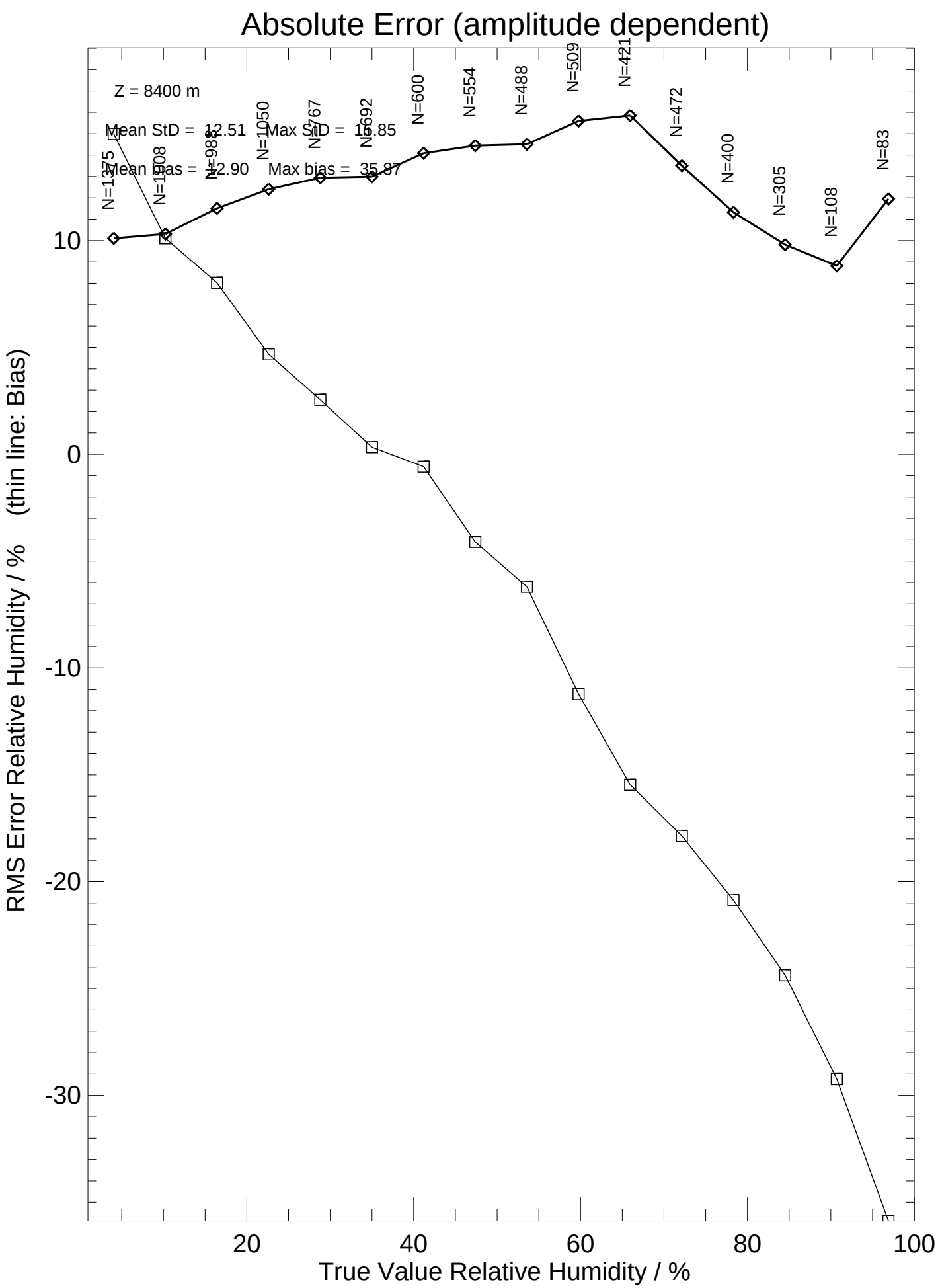

Cor=0.75005 RMS=17.13523 Bias=0.1499
Z = 8100 m N2=9820
100
80
60
40
20
20
40
60
80
100

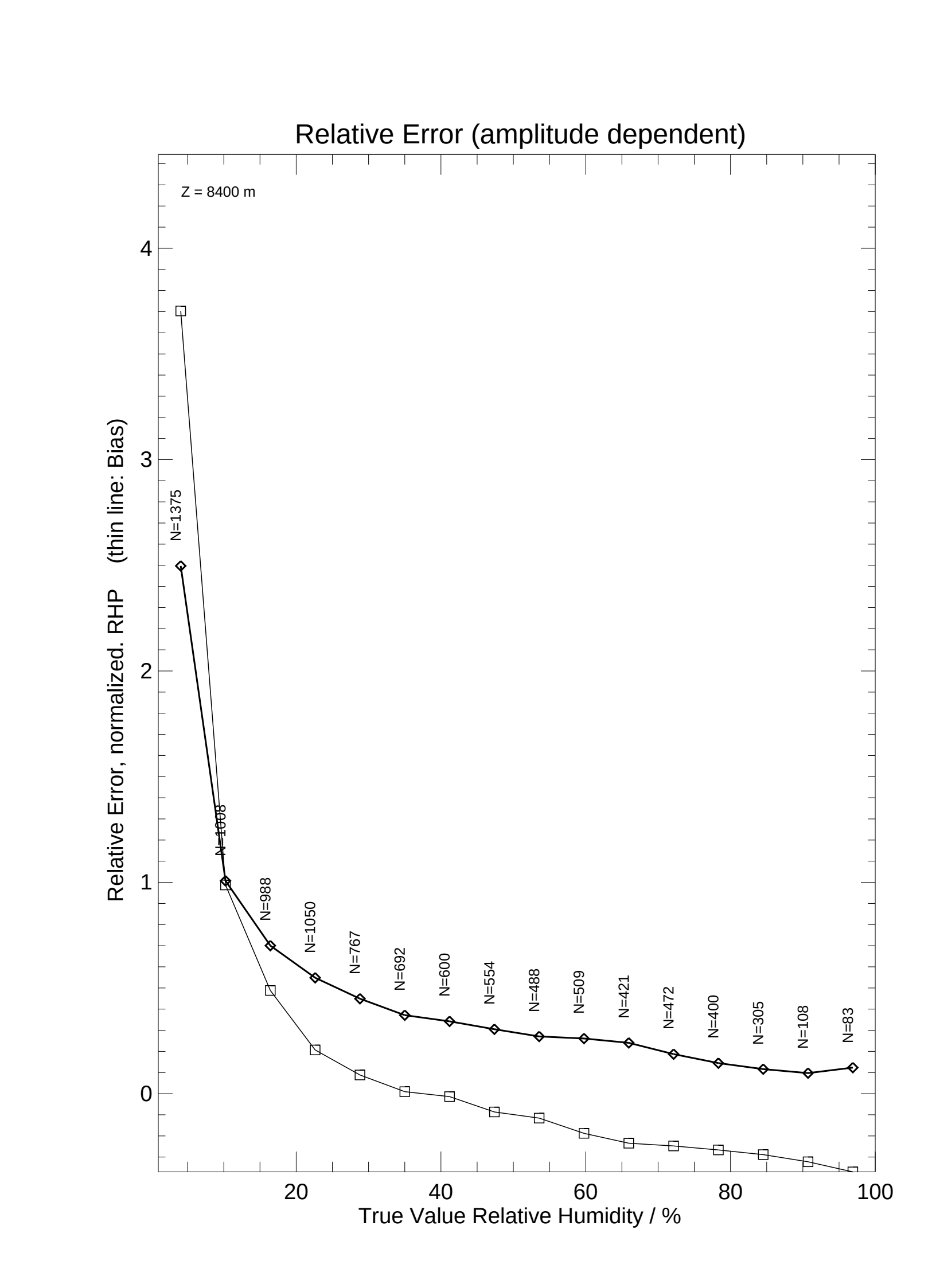

Absolute Error (amplitude dependent)
Z = 8100 m
Mean StD = 12.82 Max StD = 15.56
Mean bias = 12.13 Max bias = 34.23
N=1352
N=1011
N=831
N=1025
N=778
N=631
N=593
N=523
N=501
N=489
N=481
N=455
N=412
N=360
N=134
N=95
RMS Error Relative Humidity / % (thin line: Bias)
10
0
-10
-20
-30
20
40
60
80
100
True Value Relative Humidity / %

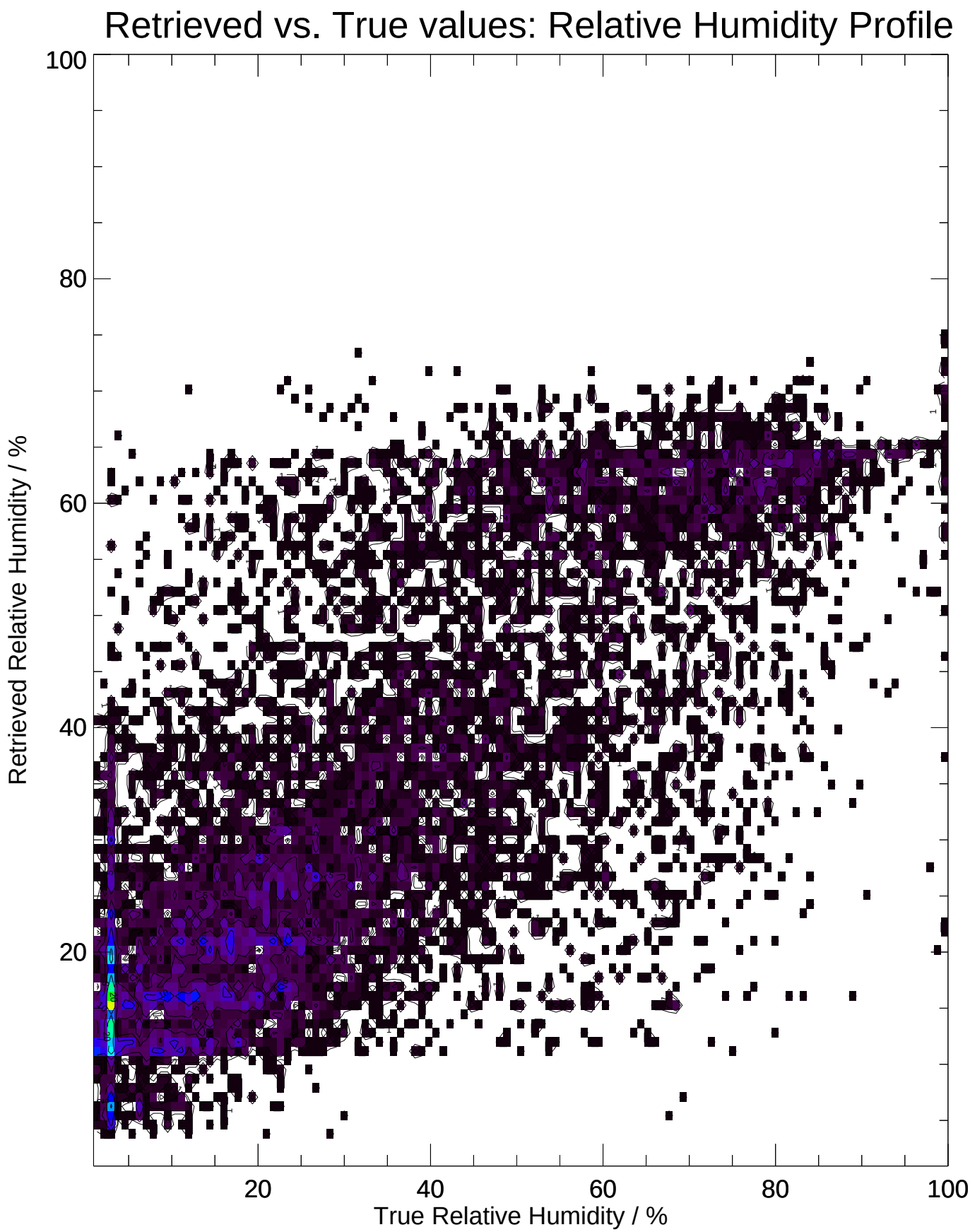

Relative Error (amplitude dependent)
Z = 8100 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1352
N=1010
N=981
N=1025
N=778
N=631
N=593
N=523
N=501
N=489
N=481
N=455
N=412
N=360
N=134
N=95

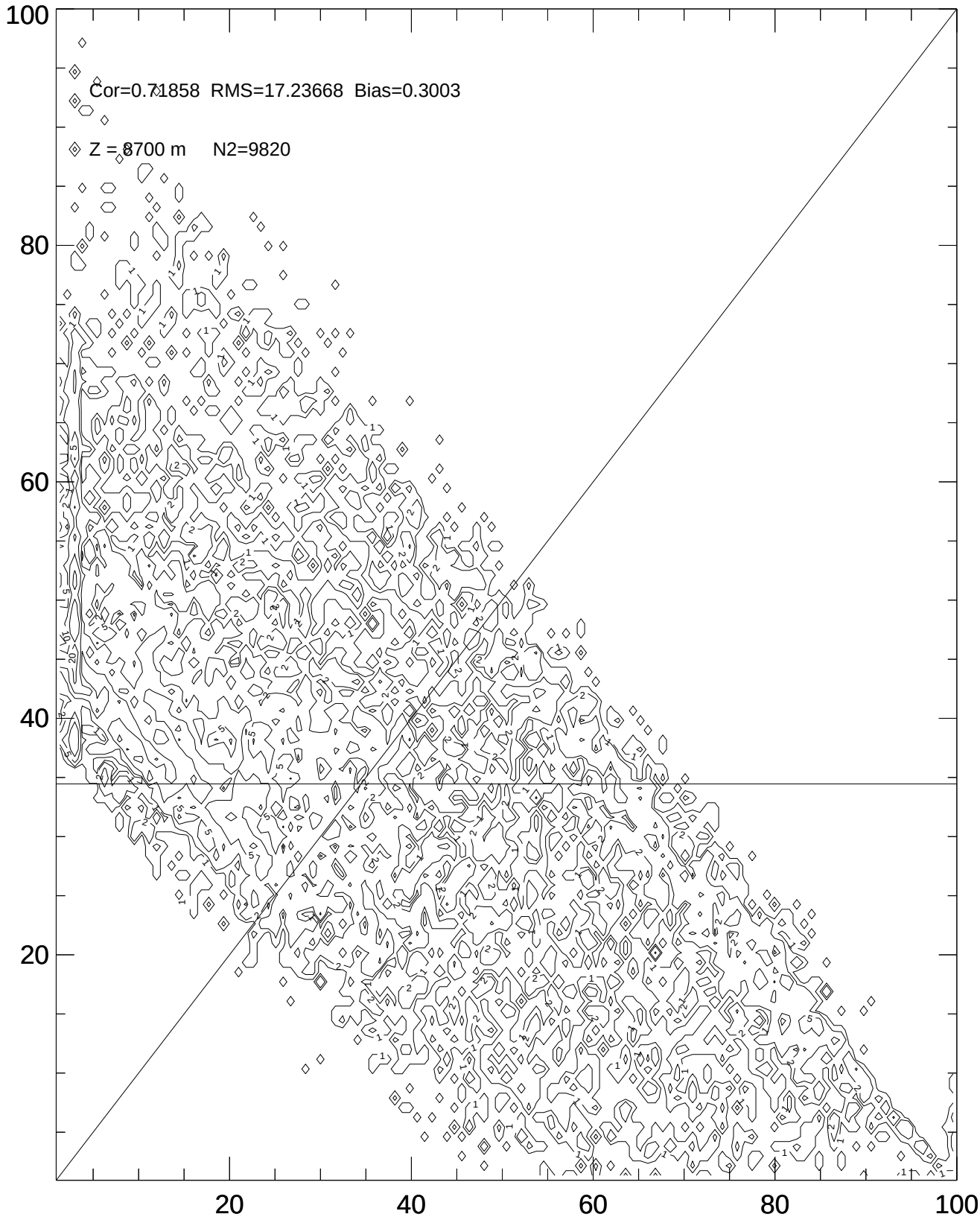

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

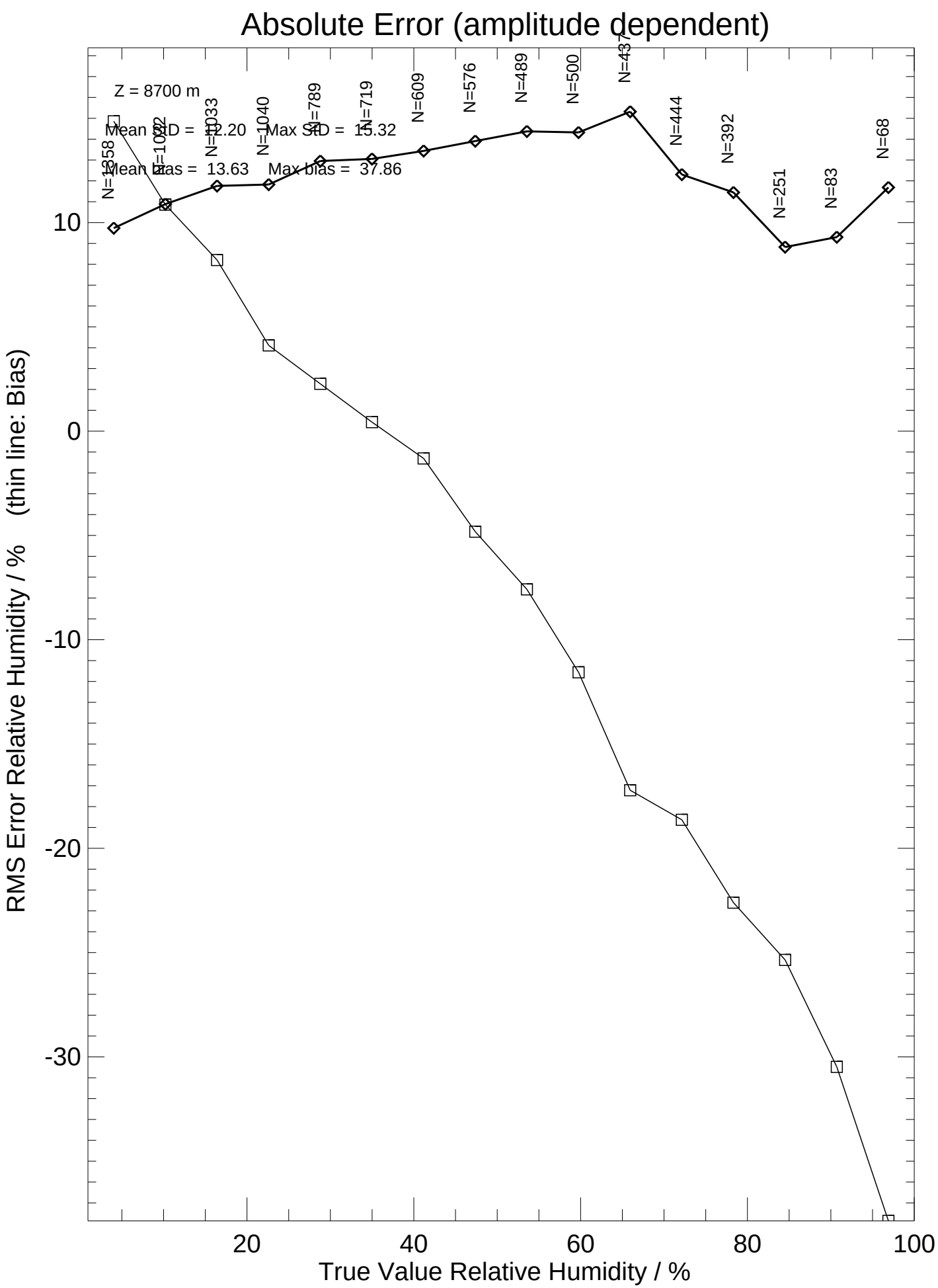

Cor=0.73202 RMS=17.30506 Bias=0.2432
Z = 8400 m N2=9820
100
80
60
40
20
20
40
60
80
100

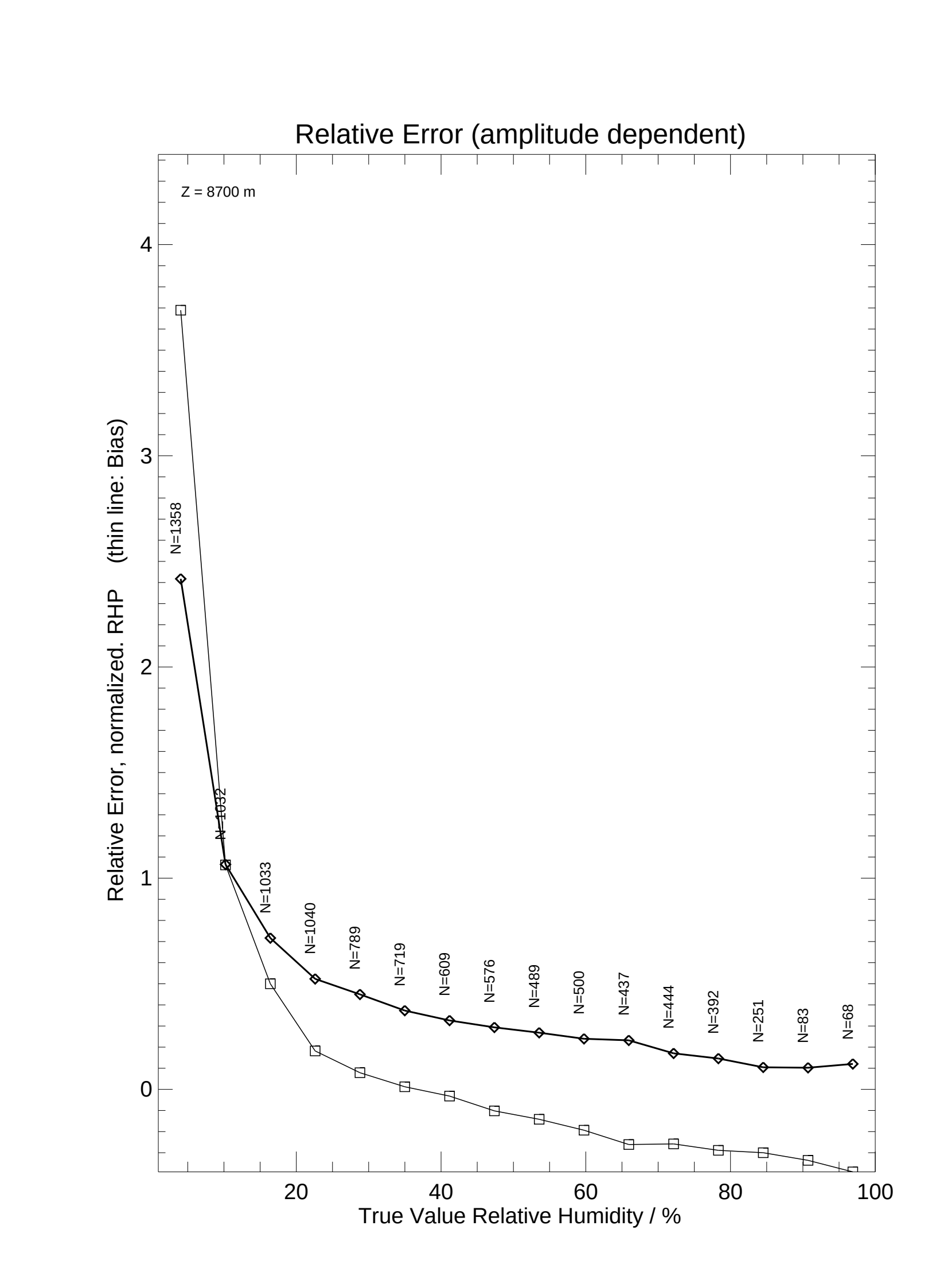

Absolute Error (amplitude dependent)
Z = 8400 m
Mean StD = 12.51 Max StD = 15.85
Mean bias = 2.90 Max bias = 35.87
N=1375
N=1108
N=984
N=1050
N=767
N=692
N=600
N=554
N=488
N=509
N=421
N=472
N=400
N=305
N=108
N=83
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
10
0
-10
-20
-30
20
40
60
80
100

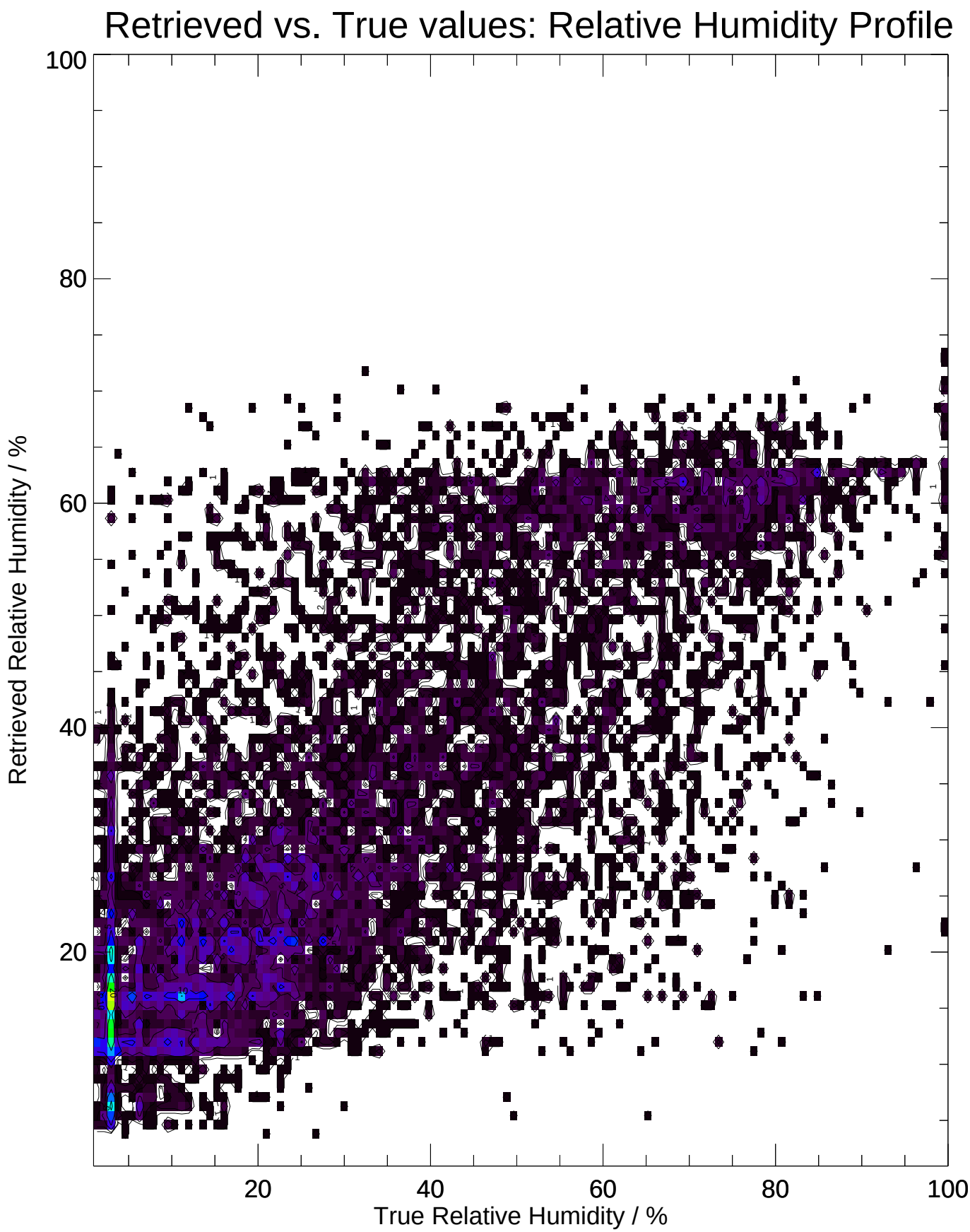

Relative Error (amplitude dependent)
Z = 8400 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1375
N=1008
N=988
N=1050
N=767
N=692
N=600
N=554
N=488
N=509
N=421
N=472
N=400
N=305
N=108
N=83

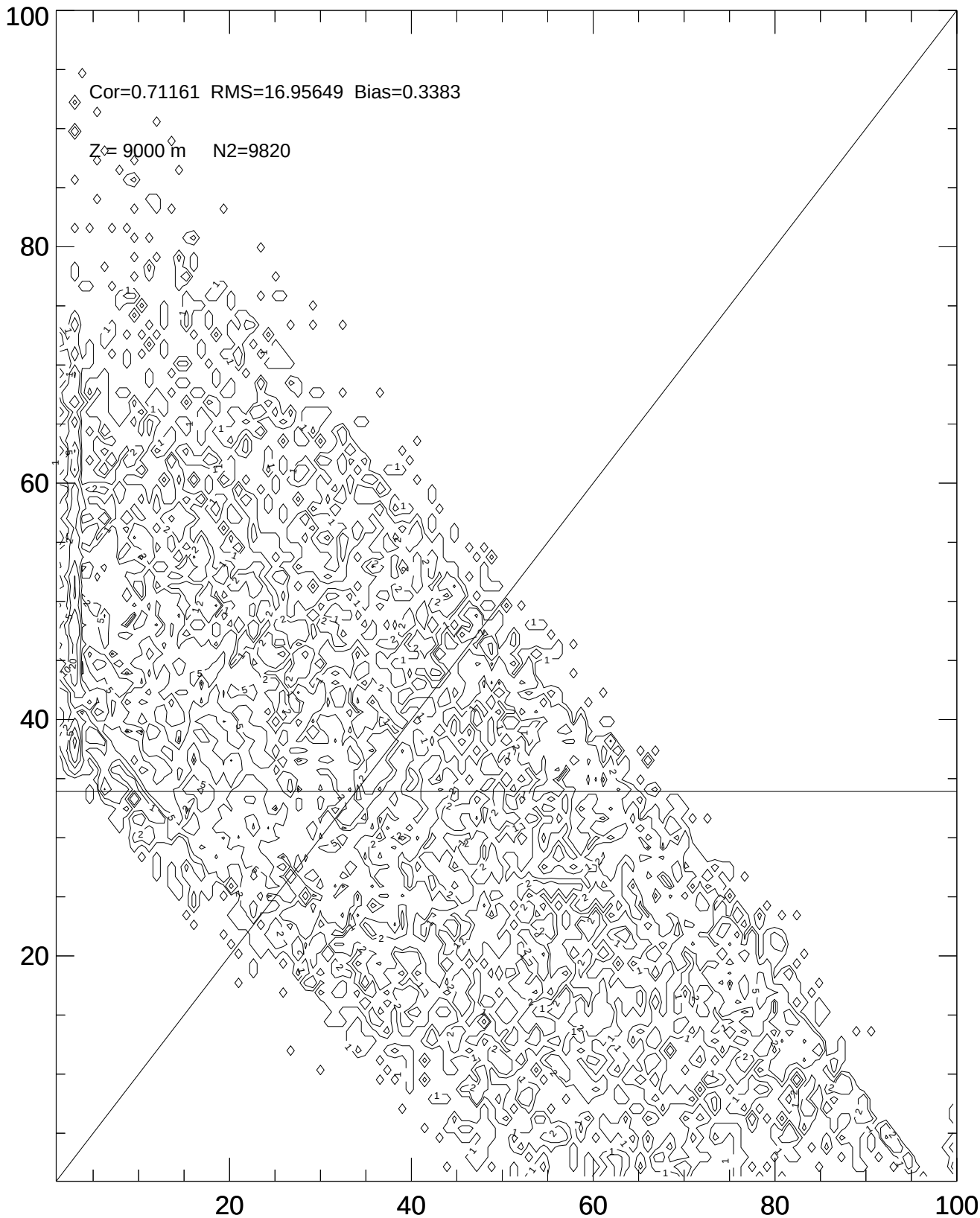

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

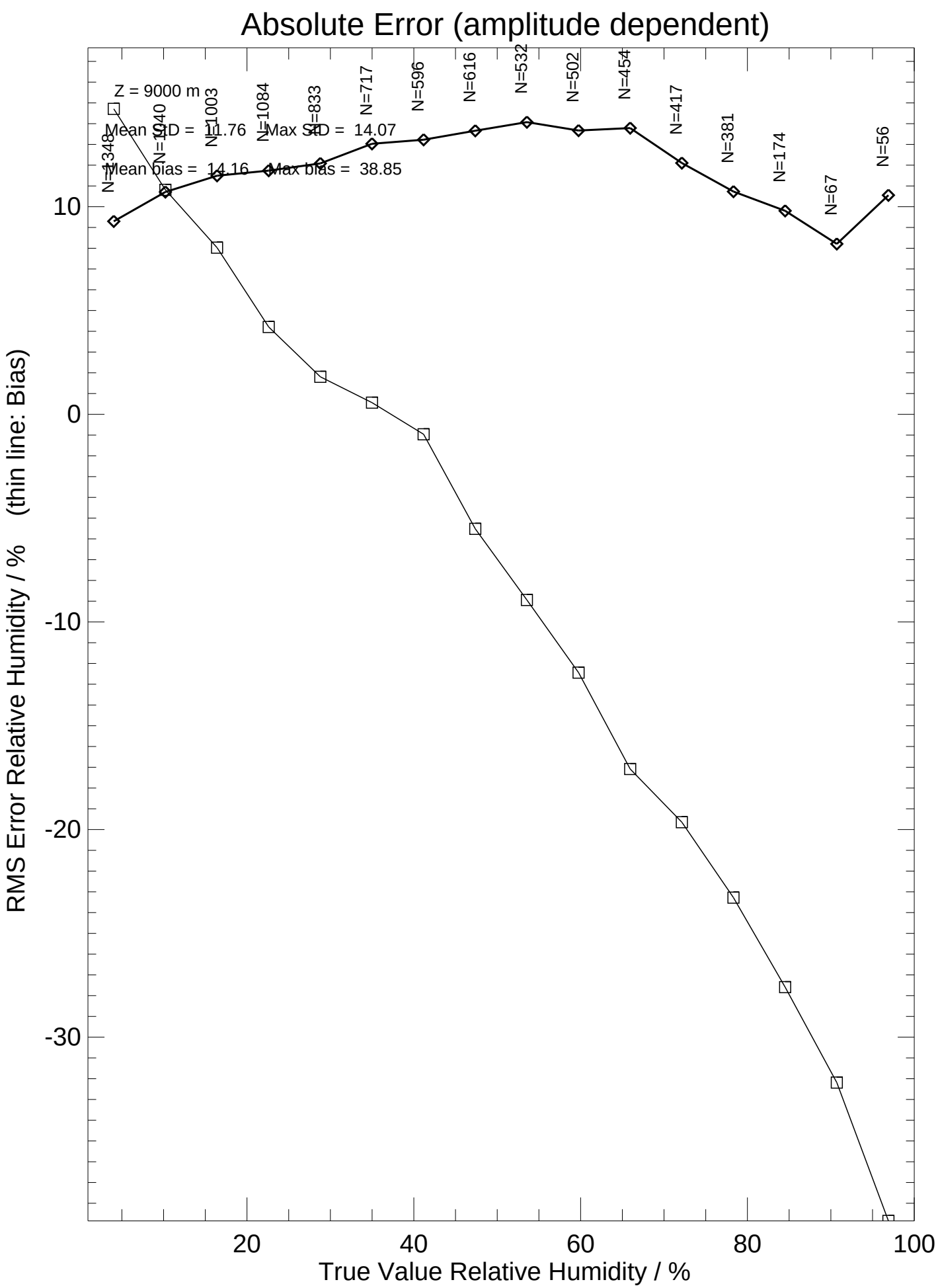

Cor=0.71858 RMS=17.23668 Bias=0.3003
Z = 8700 m N2=9820
100
80
60
40
20
20
40
60
80
100

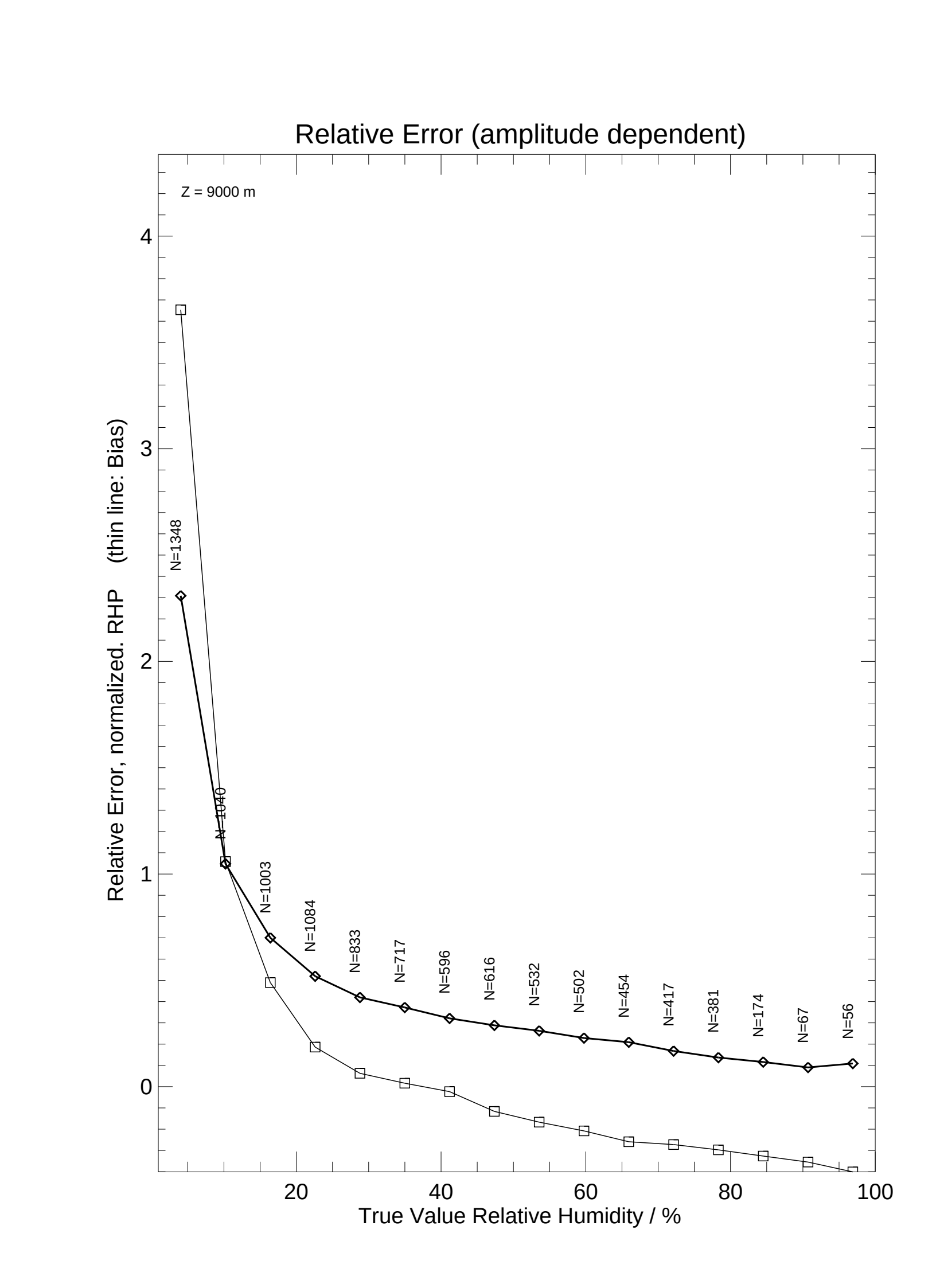

Absolute Error (amplitude dependent)
Z = 8700 m
Mean SD = 12.20 Max SD = 15.32
Mean bias = 13.63 Max bias = 37.86
N=1358
N=1082
N=1033
N=1040
N=789
N=719
N=609
N=576
N=489
N=500
N=437
N=444
N=392
N=251
N=83
N=68
RMS Error Relative Humidity / % (thin line: Bias)
10
0
-10
-20
-30
20
40
60
80
100
True Value Relative Humidity / %

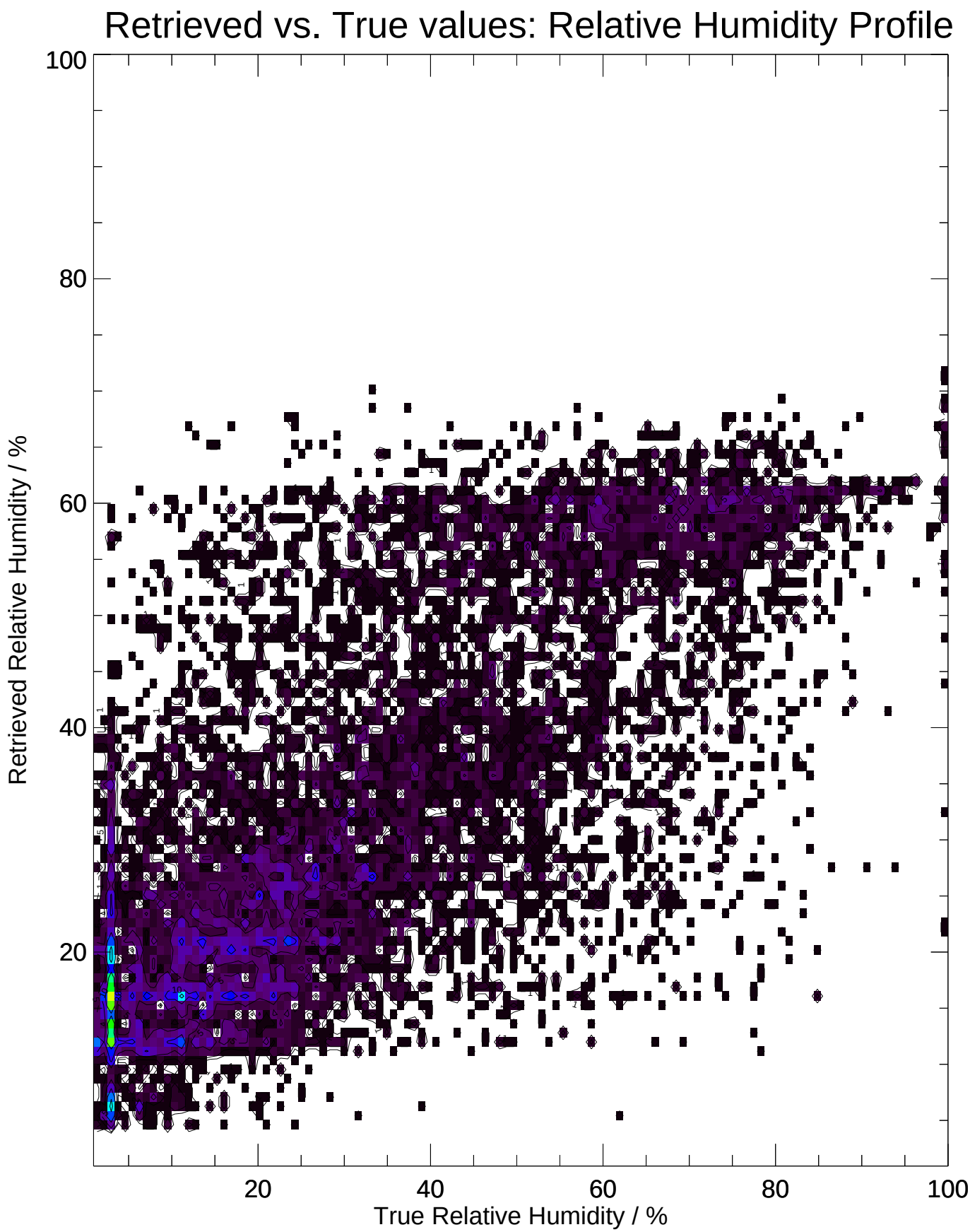

Relative Error (amplitude dependent)
Z = 8700 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1358
N=1032
N=1033
N=1040
N=789
N=719
N=609
N=576
N=489
N=500
N=437
N=444
N=392
N=251
N=83
N=68

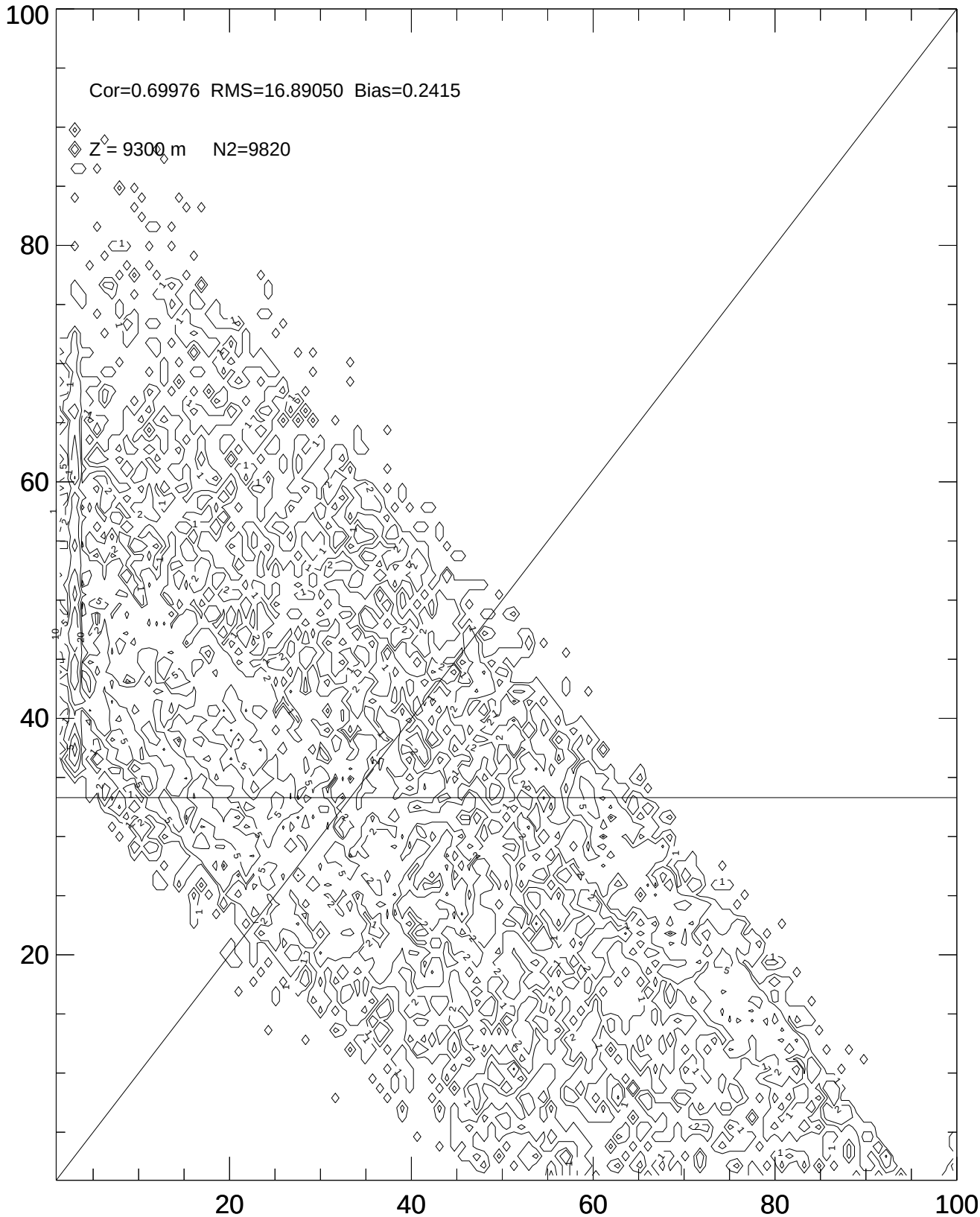

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

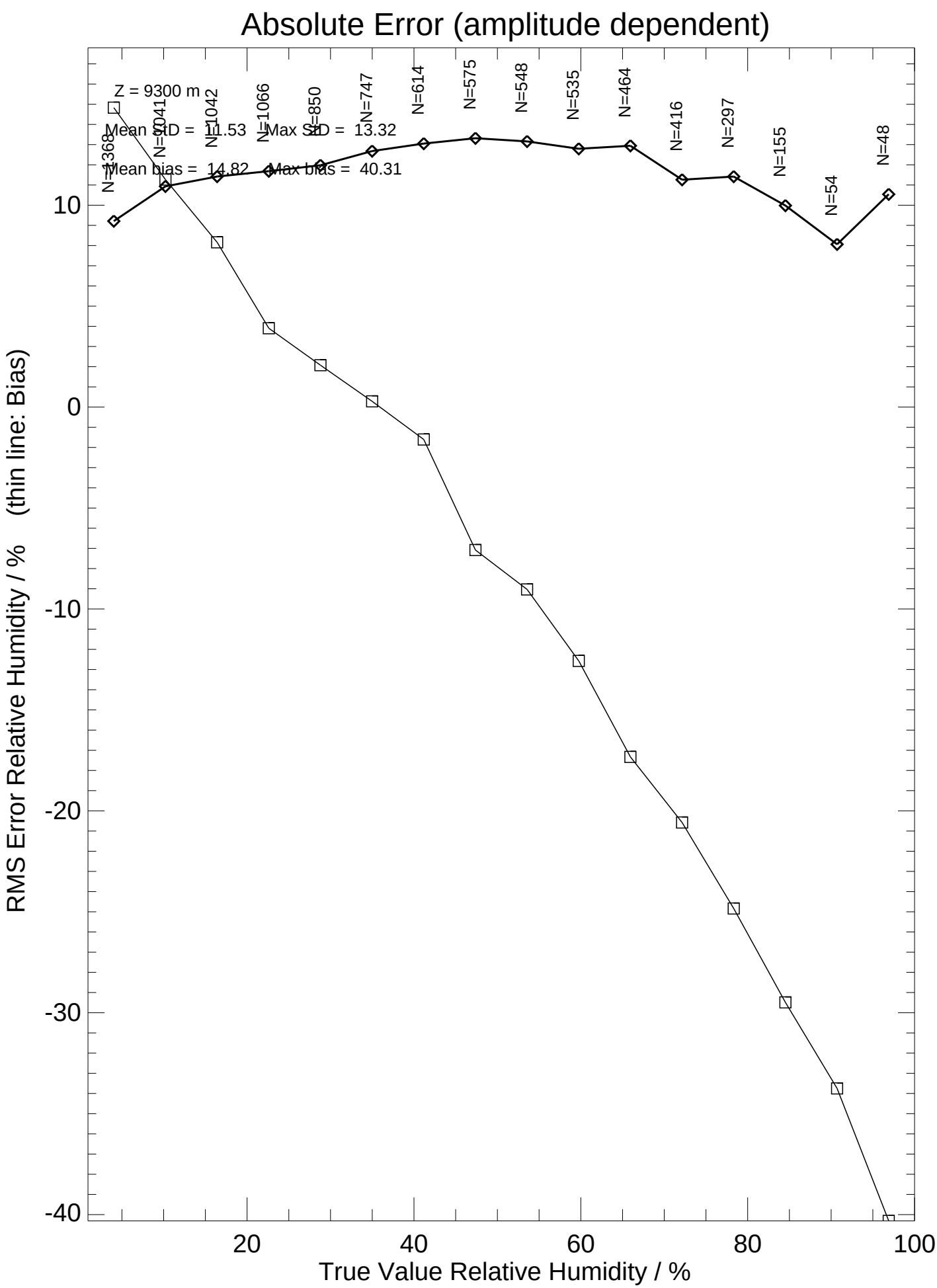

Cor=0.71161 RMS=16.95649 Bias=0.3383
Z◇= 9000 m N2=9820
100
80
60
40
20
20
40
60
80
100

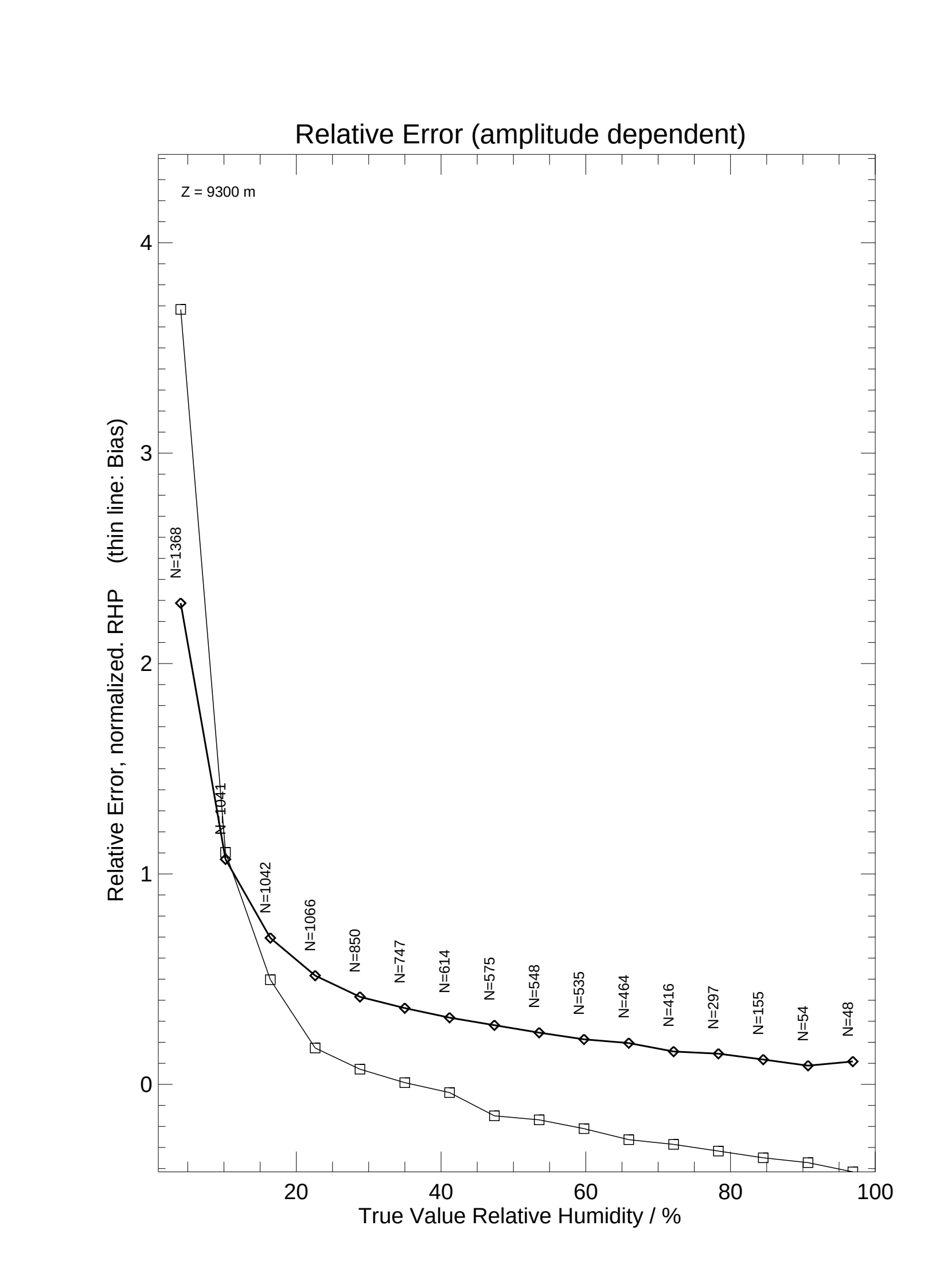

Absolute Error (amplitude dependent)
Z = 9000 m
Mean SD = 11.76 Max SD = 14.07
Mean bias = 14.16 Max bias = 38.85
N=348
N=1040
N=1003
N=1084
N=833
N=717
N=596
N=616
N=532
N=502
N=454
N=417
N=381
N=174
N=67
N=56
10
0
-10
-20
-30
20
40
60
80
100
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %

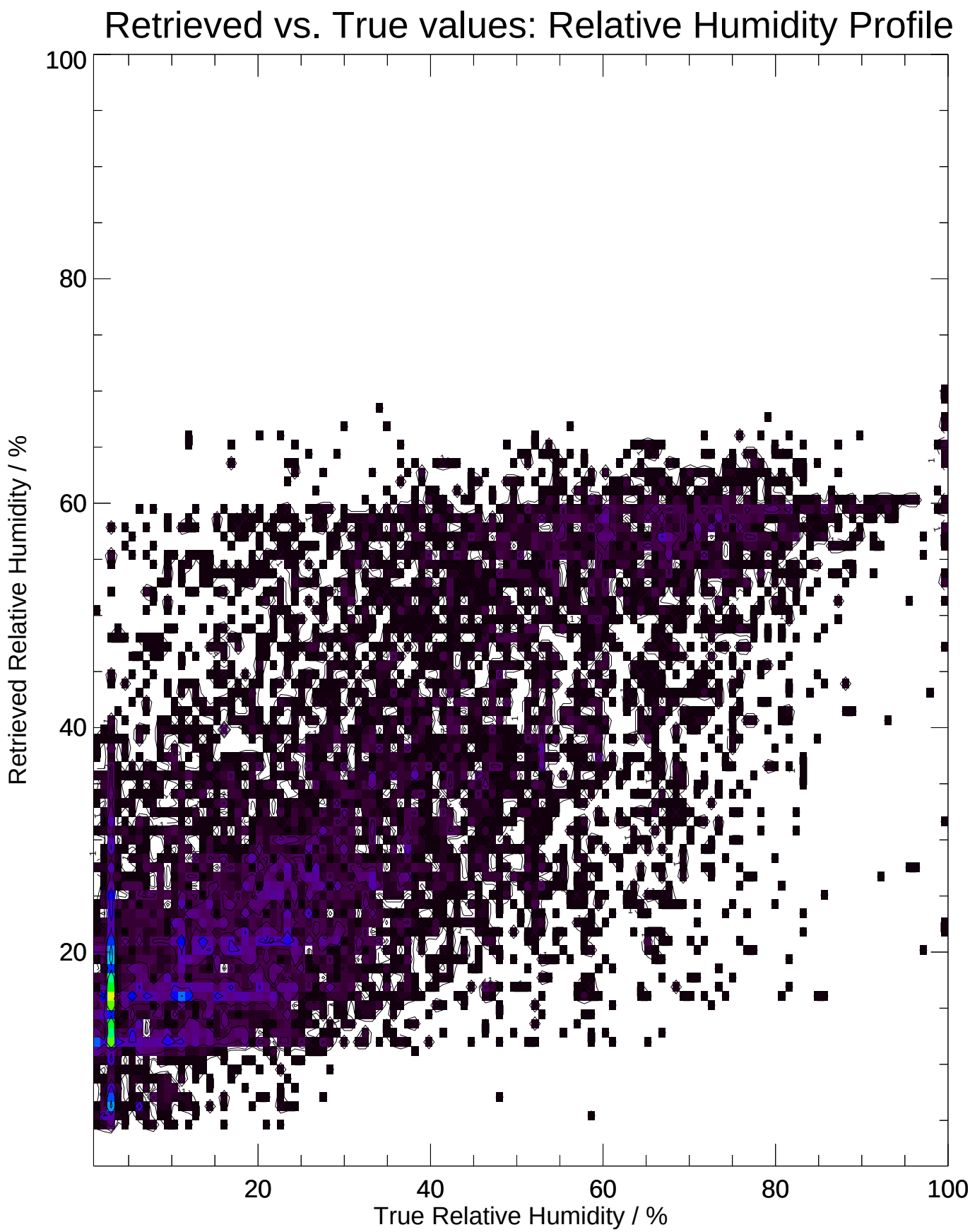

Relative Error (amplitude dependent)
Z = 9000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1348
N=1040
N=1003
N=1084
N=833
N=717
N=596
N=616
N=532
N=502
N=454
N=417
N=381
N=174
N=67
N=56

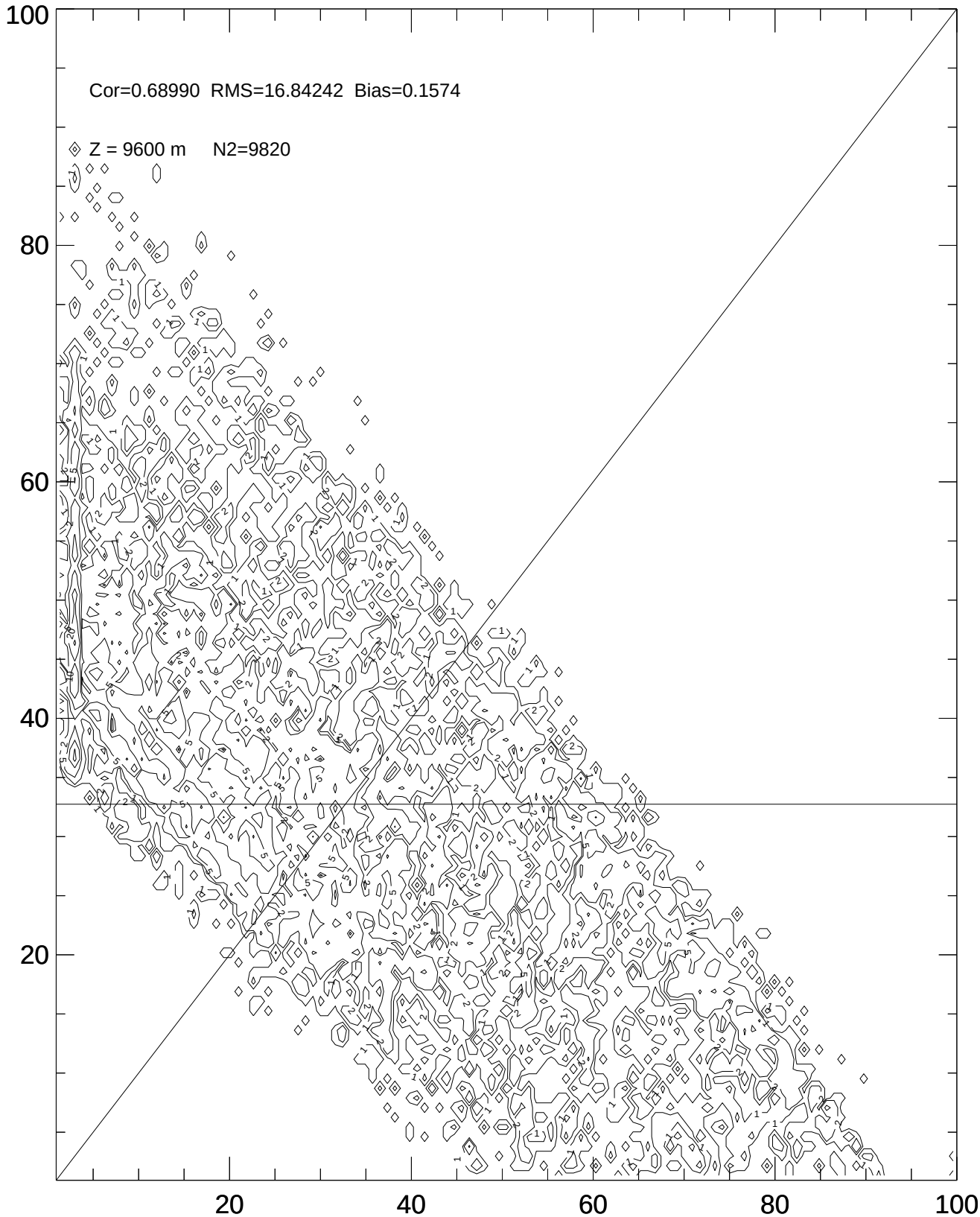

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

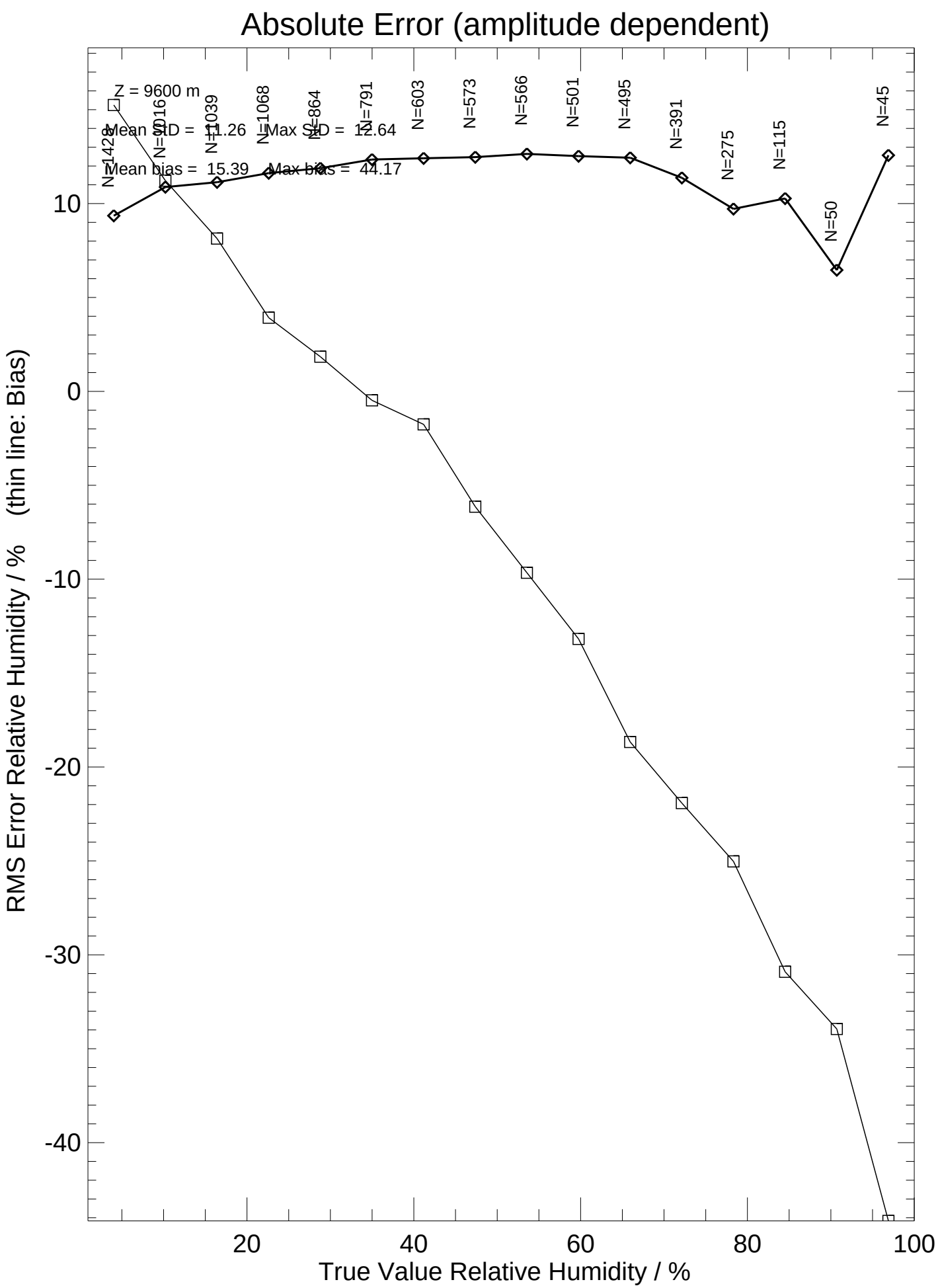

Cor=0.69976 RMS=16.89050 Bias=0.2415
Z = 9300 m N2=9820
100
80
60
40
20
20
40
60
80
100

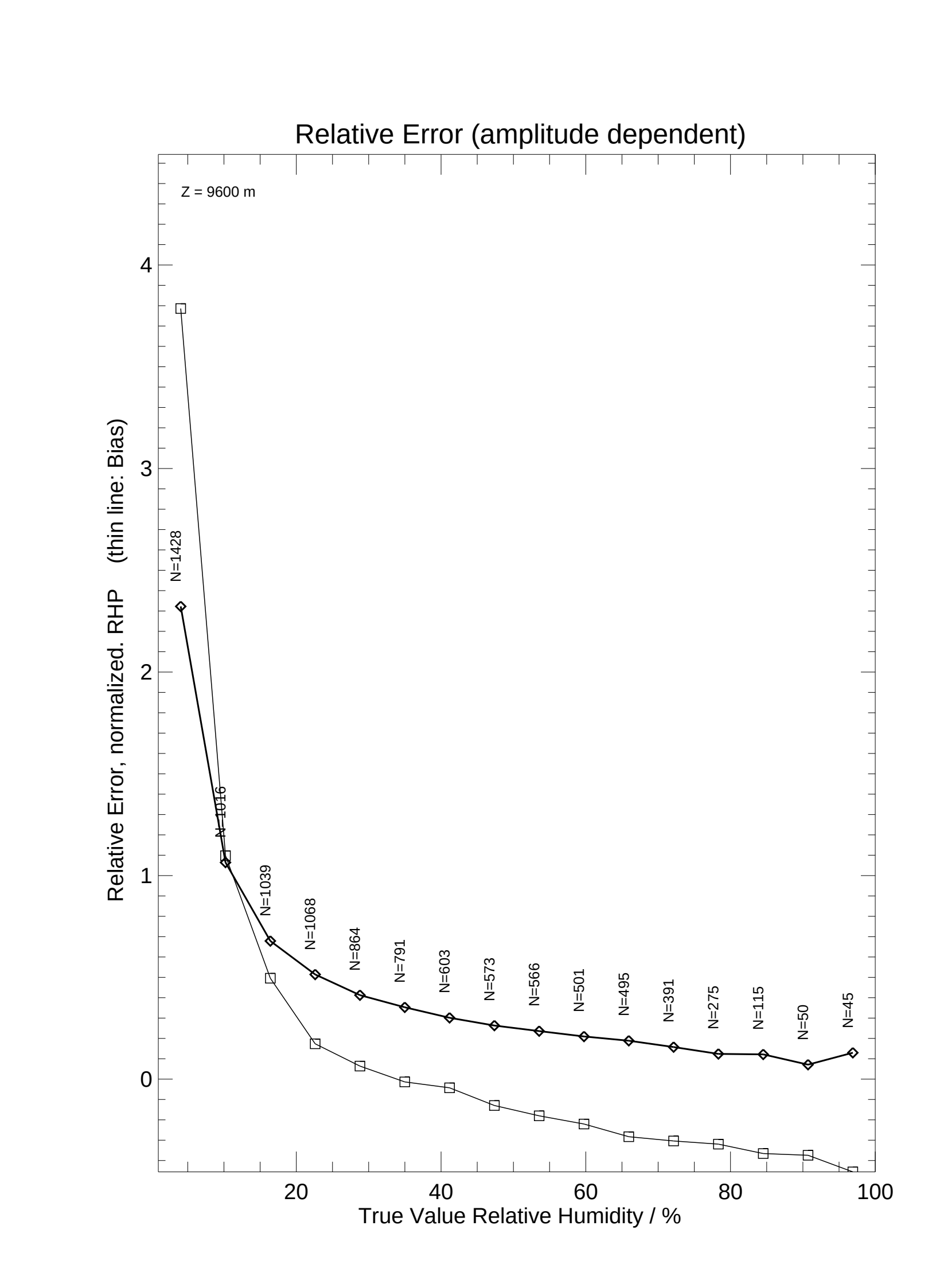

Absolute Error (amplitude dependent)
Z = 9300 m
Mean SD = 11.53 Max SD = 13.32
Mean bias = 14.82 Max bias = 40.31
N=1368
N=1041
N=1042
N=1066
N=850
N=747
N=614
N=575
N=548
N=535
N=464
N=416
N=297
N=155
N=54
N=48
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
10
0
-10
-20
-30
-40
20
40
60
80
100

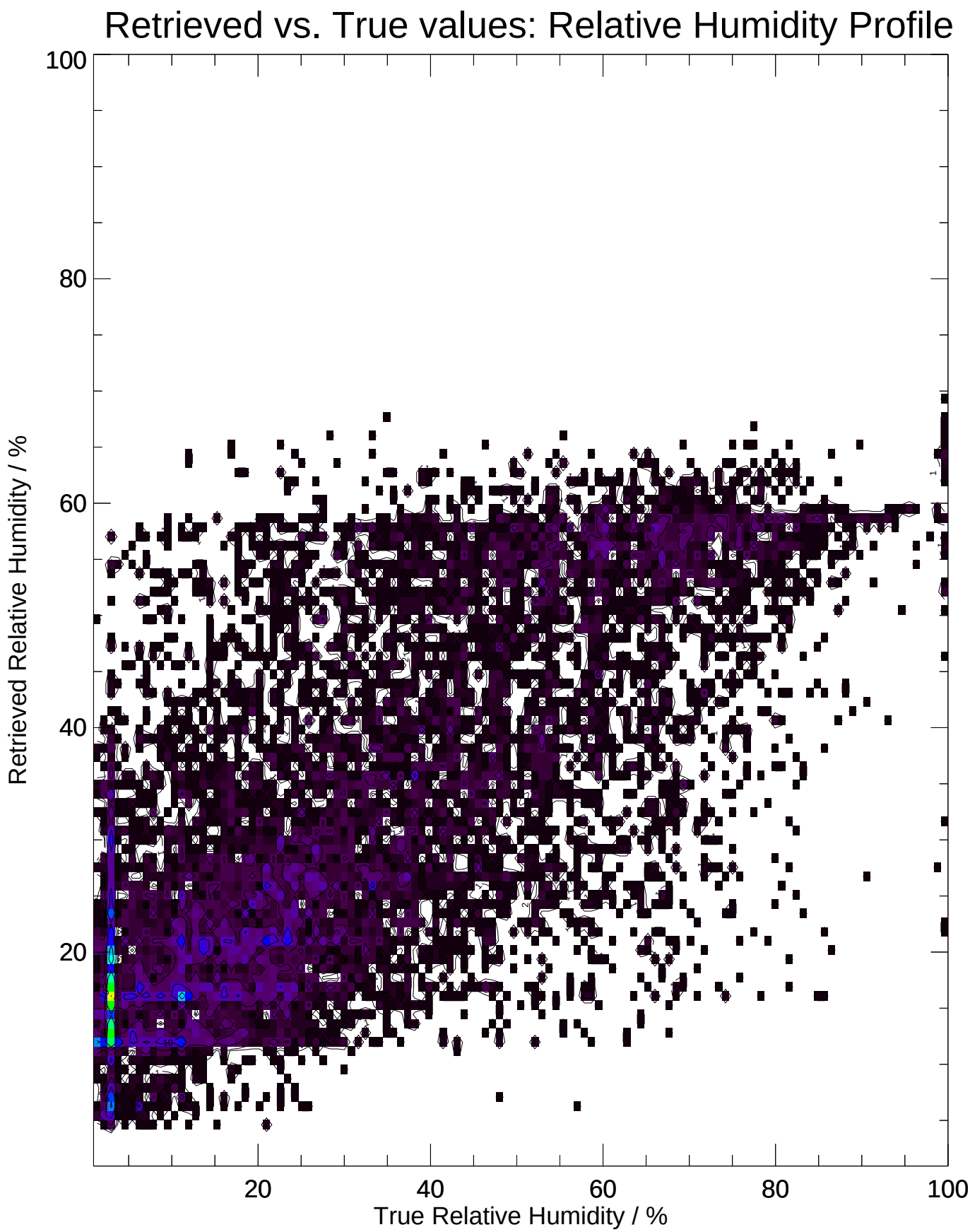

Relative Error (amplitude dependent)
Z = 9300 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1368
N=1041
N=1042
N=1066
N=850
N=747
N=614
N=575
N=548
N=535
N=464
N=416
N=297
N=155
N=54
N=48

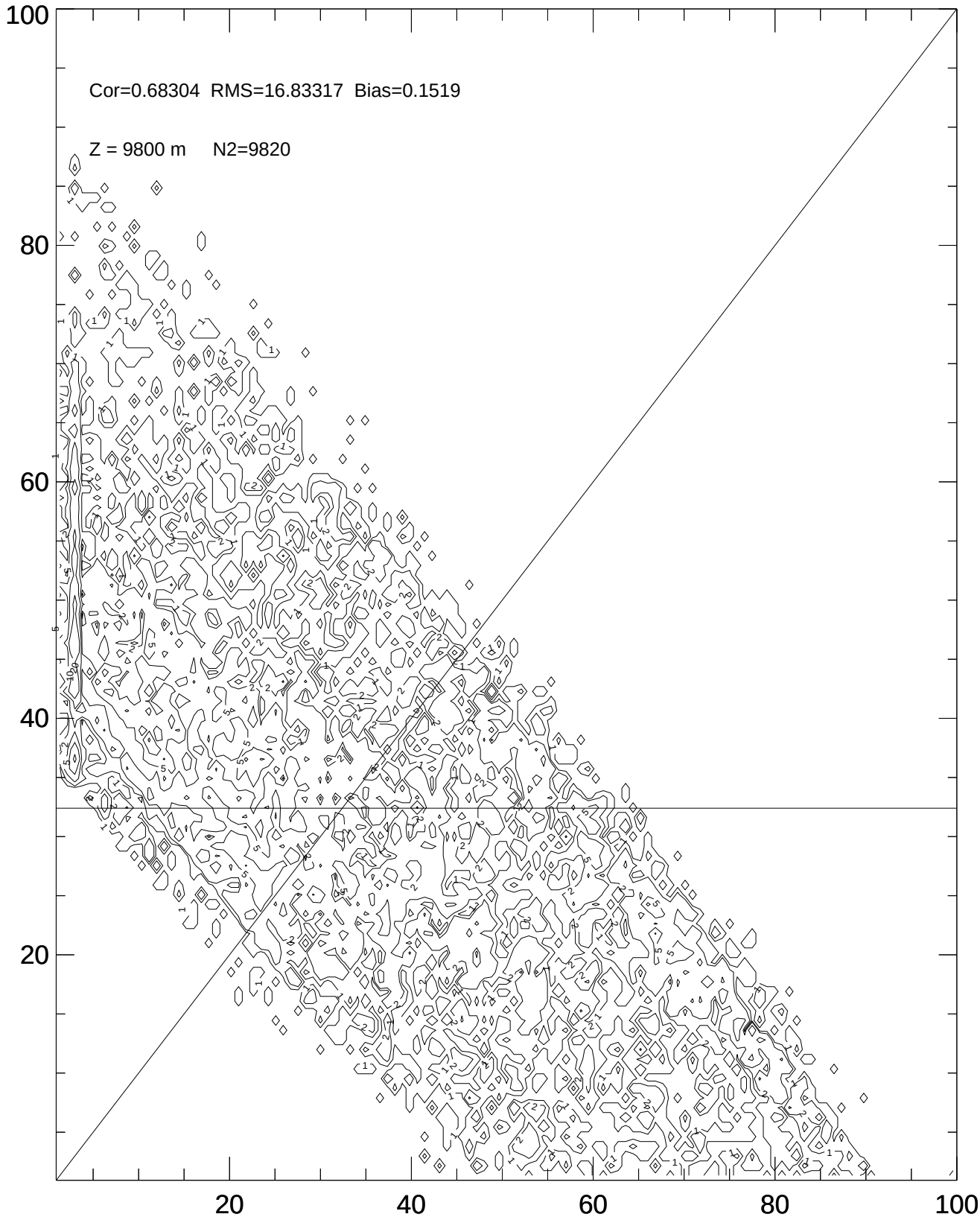

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

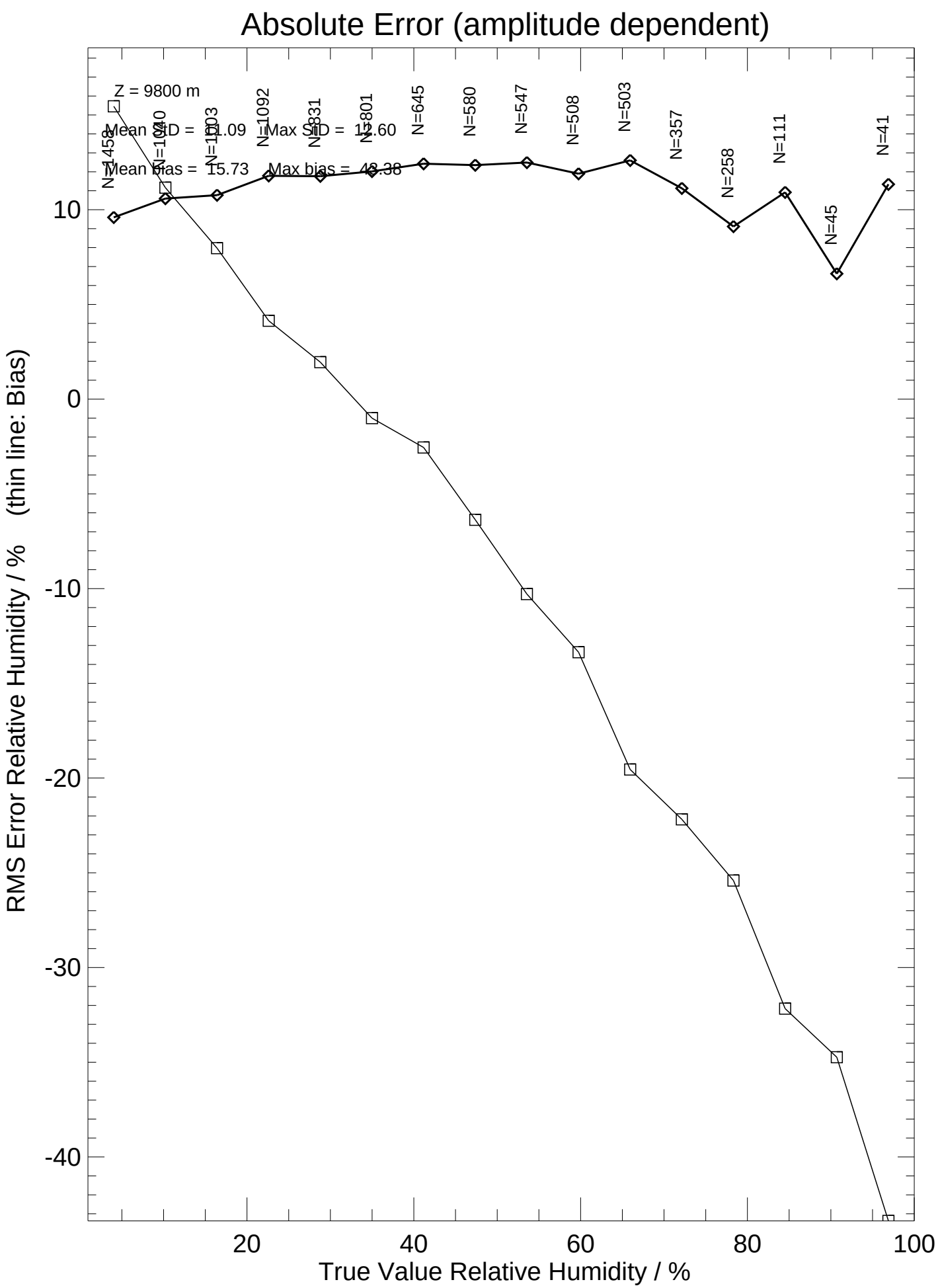

Cor=0.68990 RMS=16.84242 Bias=0.1574
Z = 9600 m N2=9820
100
80
60
40
20
20
40
60
80
100

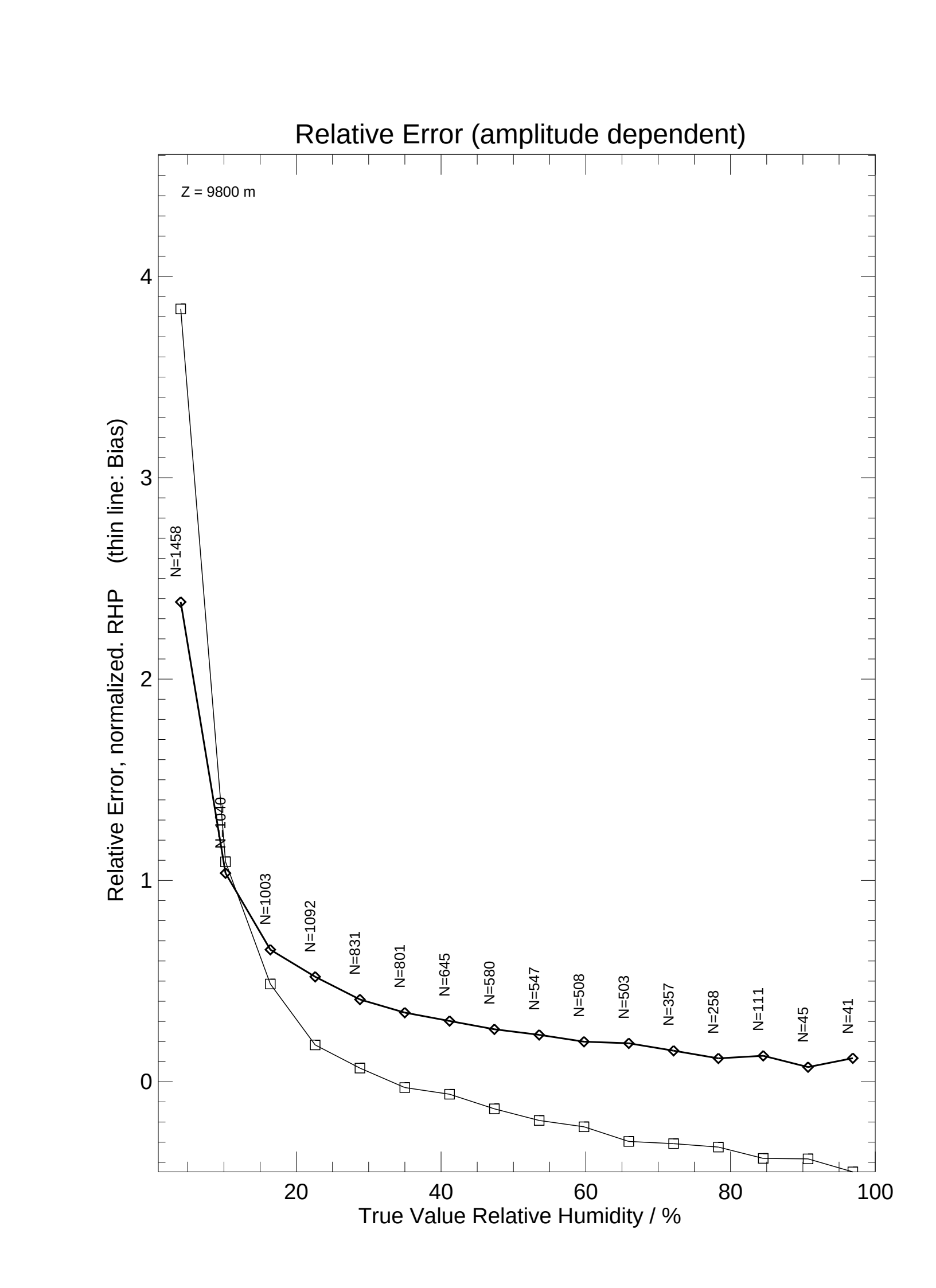

Absolute Error (amplitude dependent)
Z = 9600 m
Mean SD = 11.26 Max SD = 12.64
Mean bias = 15.39 Max bias = 44.17
N=1424
N=1016
N=1039
N=1068
N=864
N=791
N=603
N=573
N=566
N=501
N=495
N=391
N=275
N=115
N=50
N=45
RMS Error Relative Humidity / % (thin line: Bias)
10
0
-10
-20
-30
-40
20
40
60
80
100
True Value Relative Humidity / %

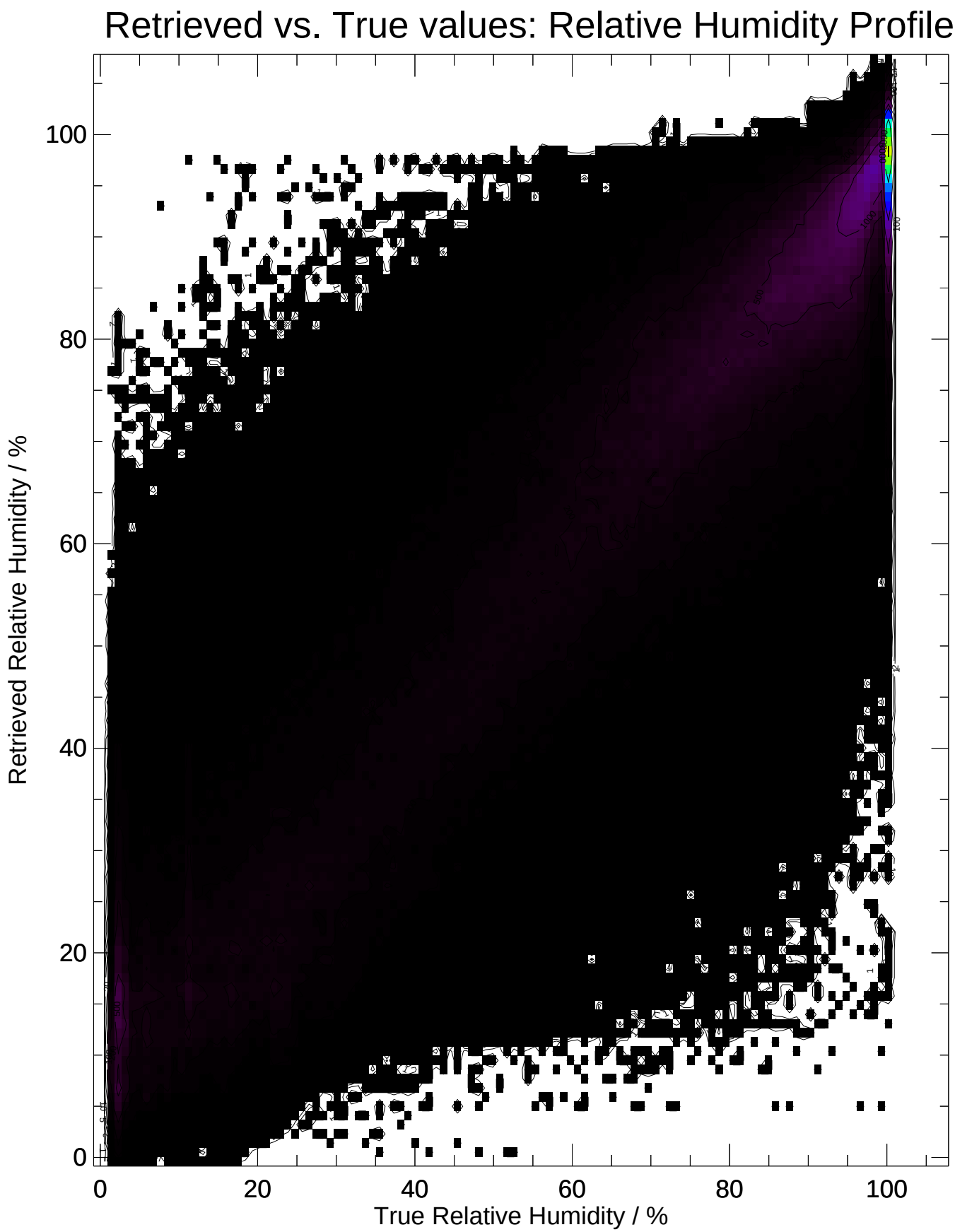

Relative Error (amplitude dependent)
Z = 9600 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1428
N=1016
N=1039
N=1068
N=864
N=791
N=603
N=573
N=566
N=501
N=495
N=391
N=275
N=115
N=50
N=45

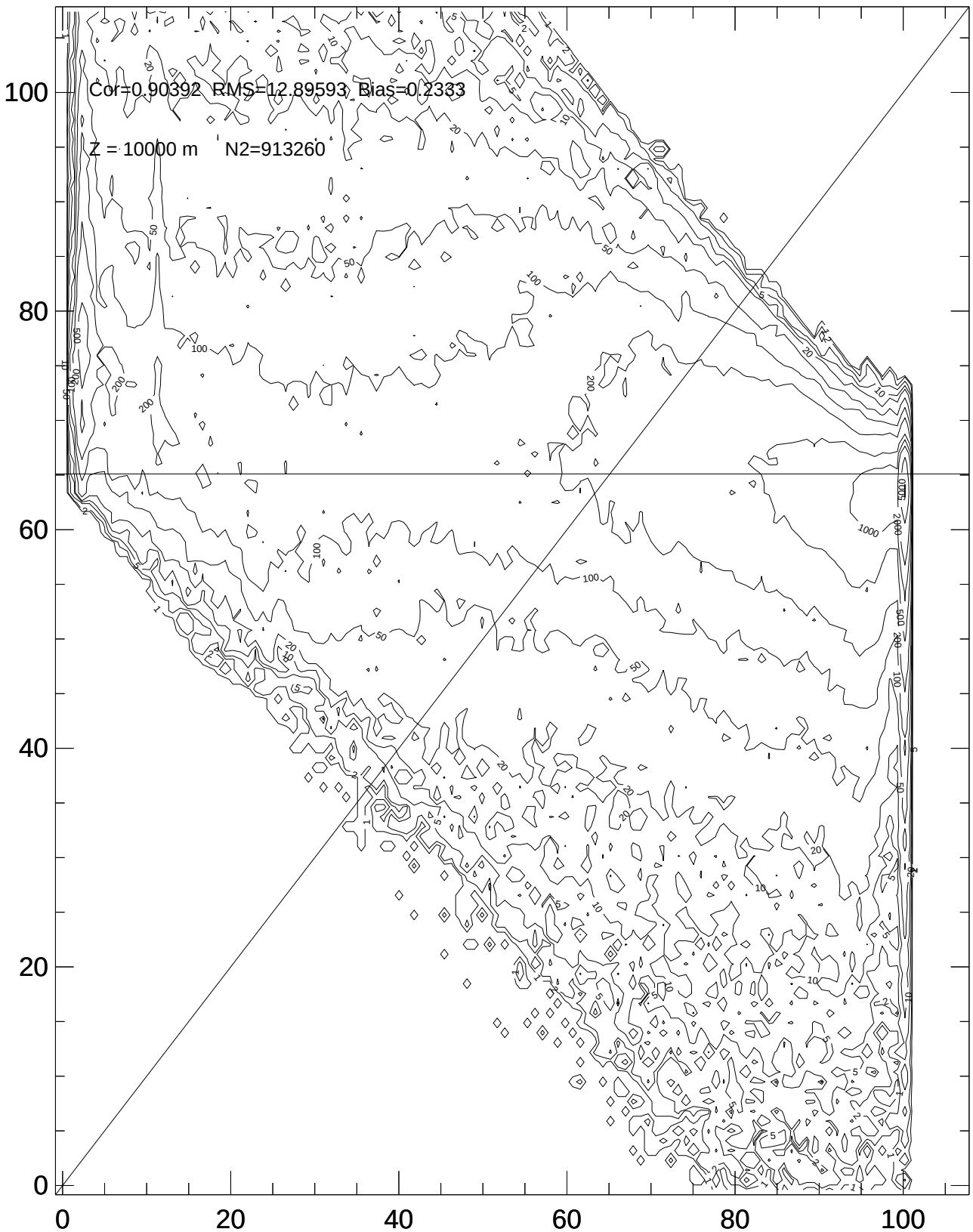

Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
100
80
60
40
20
20
40
60
80
100

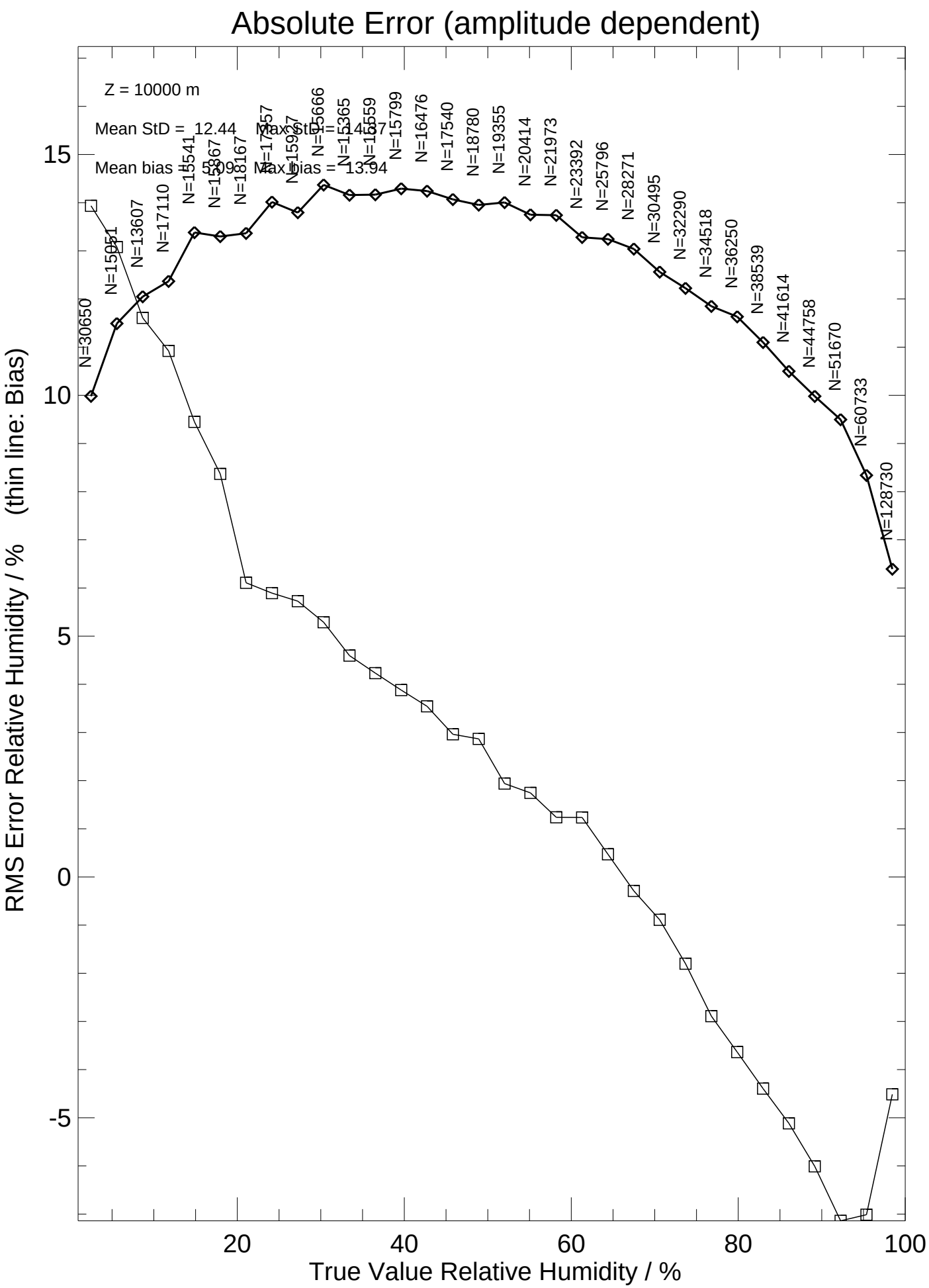

Cor=0.68304 RMS=16.83317 Bias=0.1519
Z = 9800 m N2=9820
100
80
60
40
20
20
40
60
80
100

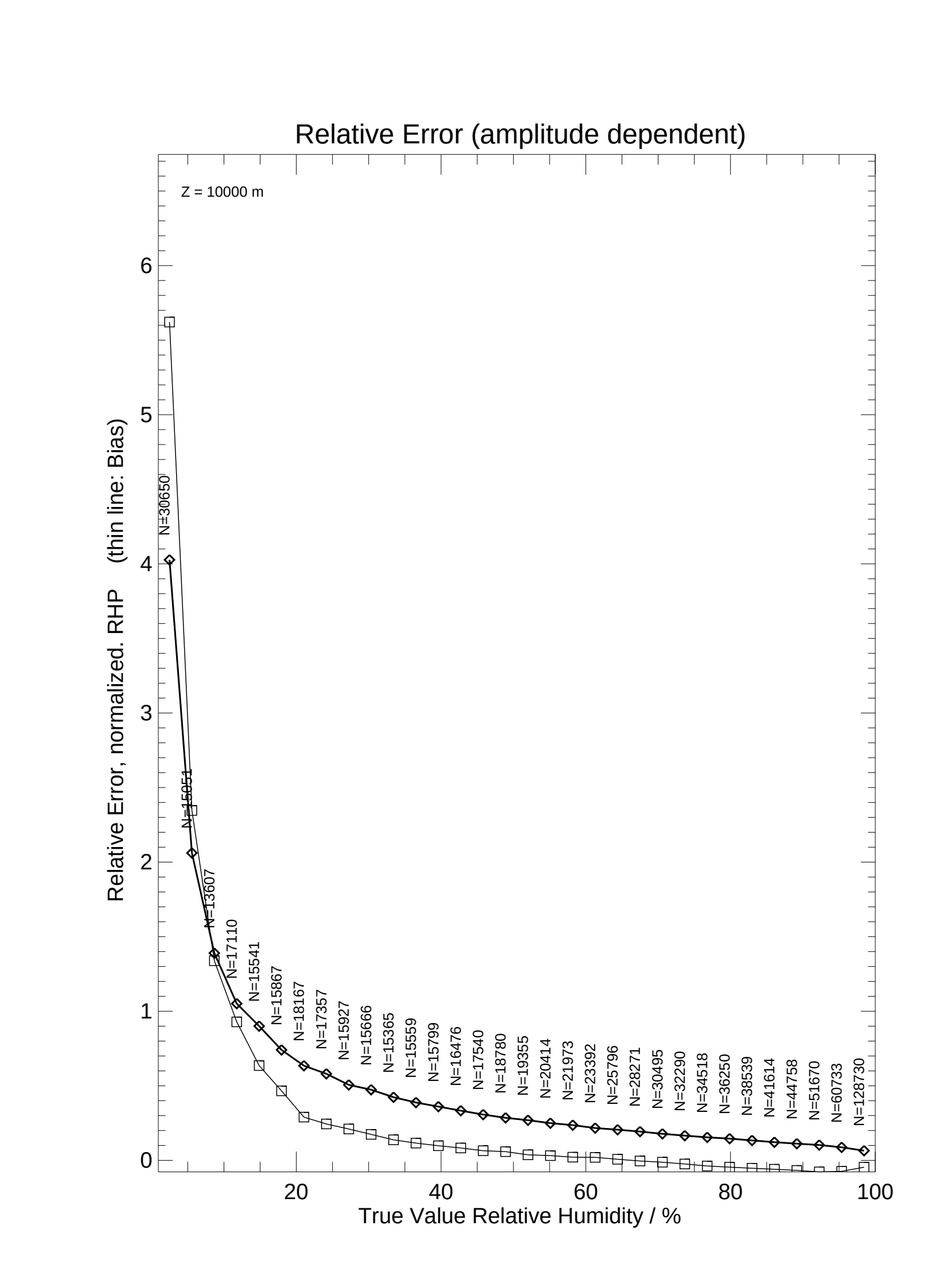

Absolute Error (amplitude dependent)
Z = 9800 m
Mean SD = 11.09 Max SD = 12.60
Mean bias = 15.73 Max bias = 48.38
N=1458
N=1040
N=1103
N=1092
N=1331
N=1801
N=645
N=580
N=547
N=508
N=503
N=357
N=258
N=111
N=45
N=41
RMS Error Relative Humidity / % (thin line: Bias)
10
0
-10
-20
-30
-40
20
40
60
80
100
True Value Relative Humidity / %


Relative Error (amplitude dependent)
Z = 9800 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
20
40
60
80
100
N=1458
N=1040
N=1003
N=1092
N=831
N=801
N=645
N=580
N=547
N=508
N=503
N=357
N=258
N=111
N=45
N=41


Retrieved vs. True values: Relative Humidity Profile
Retrieved Relative Humidity / %
True Relative Humidity / %
0
20
40
60
80
100


Cor=0.90392 RMS=12.89593 Bias=0.2333
Z = 10000 m N2=913260
0
20
40
60
80
100
0
20
40
60
80
100


Absolute Error (amplitude dependent)
Z = 10000 m
Mean StD = 12.44 Max StD = 14.57
Mean bias = 5.09 Max bias = 13.94
N=30650
N=15951
N=13607
N=17110
N=15541
N=15367
N=18167
N=17557
N=15927
N=15666
N=15365
N=15559
N=15799
N=16476
N=17540
N=18780
N=19355
N=20414
N=21973
N=23392
N=25796
N=28271
N=30495
N=32290
N=34518
N=36250
N=38539
N=41614
N=44758
N=51670
N=60733
N=128730
RMS Error Relative Humidity / % (thin line: Bias)
True Value Relative Humidity / %
15
10
5
0
-5
20
40
60
80
100


Relative Error (amplitude dependent)
Z = 10000 m
Relative Error, normalized. RHP (thin line: Bias)
True Value Relative Humidity / %
0
1
2
3
4
5
6
20
40
60
80
100
N=30650
N=15051
N=13607
N=17110
N=15541
N=15867
N=18167
N=17357
N=15927
N=15666
N=15365
N=15559
N=15799
N=16476
N=17540
N=18780
N=19355
N=20414
N=21973
N=23392
N=25796
N=28271
N=30495
N=32290
N=34518
N=36250
N=38539
N=41614
N=44758
N=51670
N=60733
N=128730