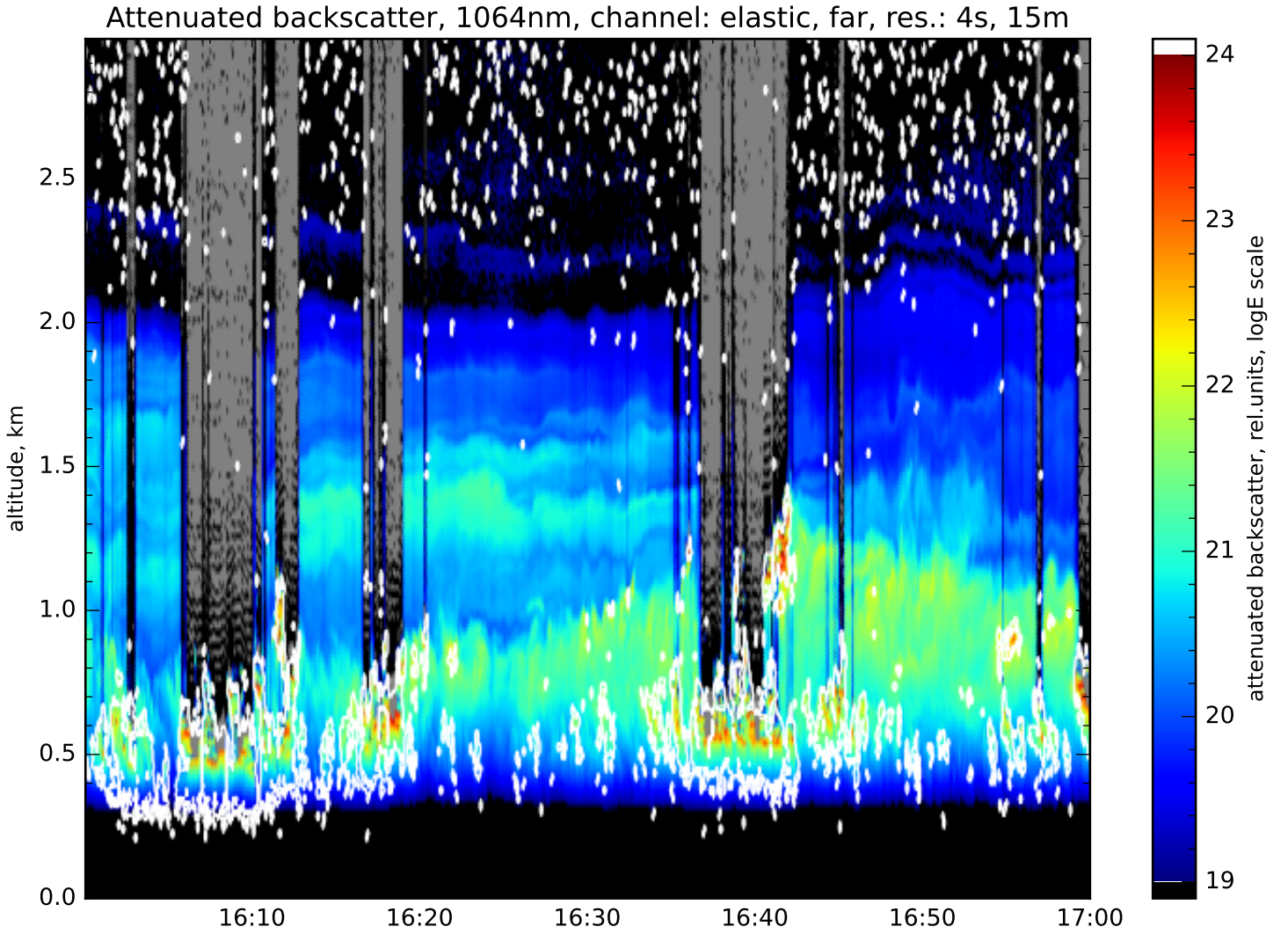
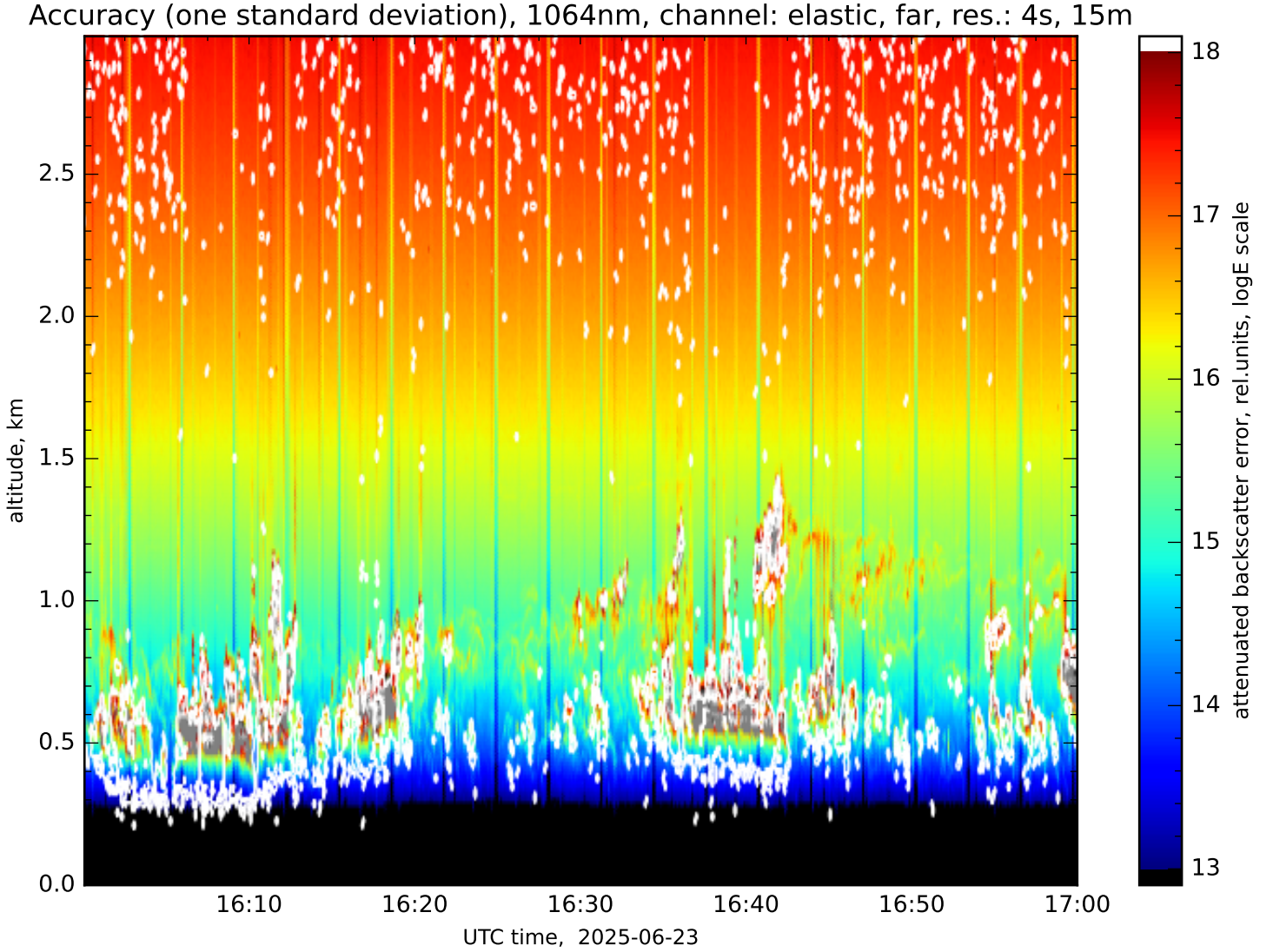
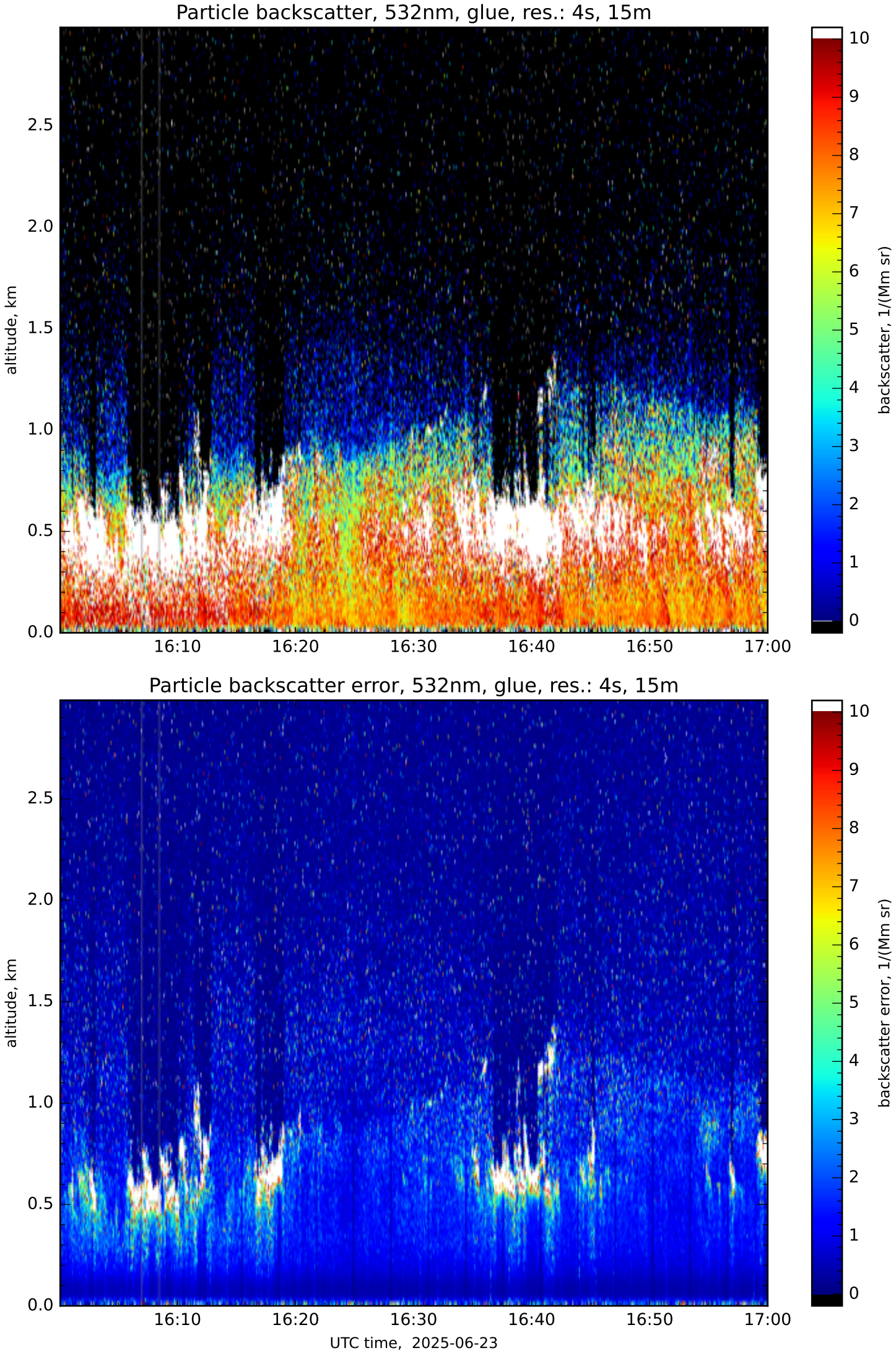
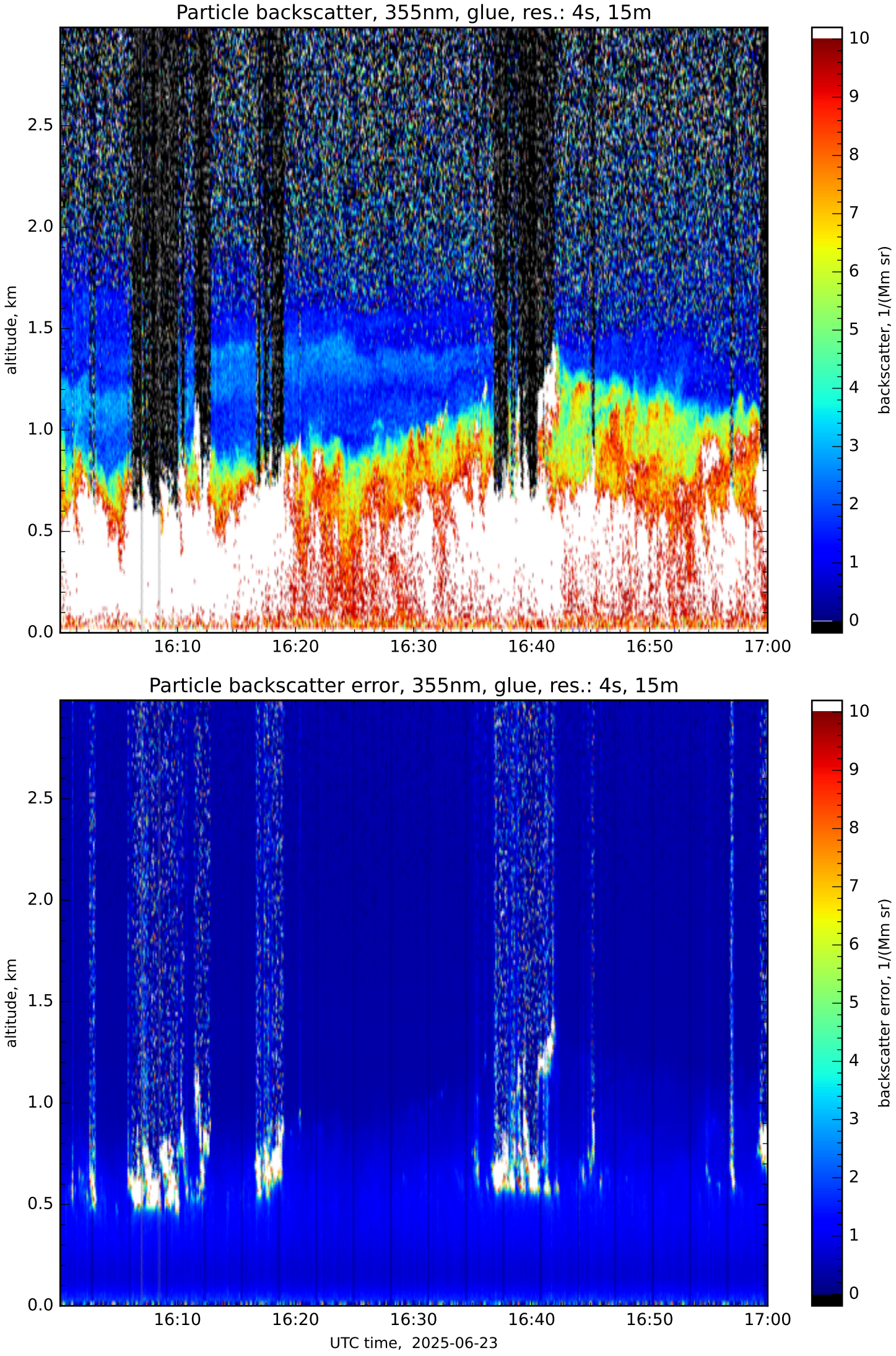
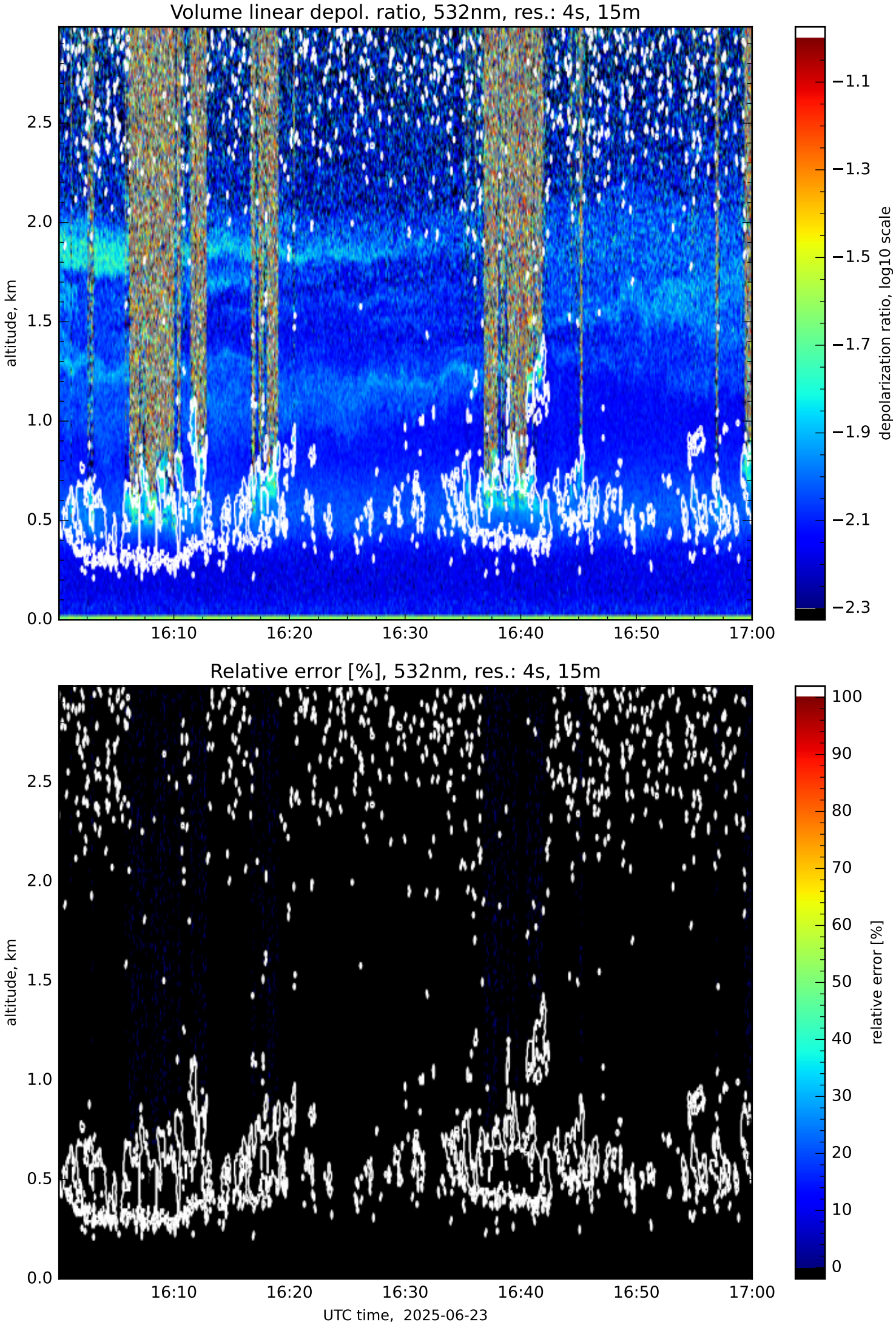
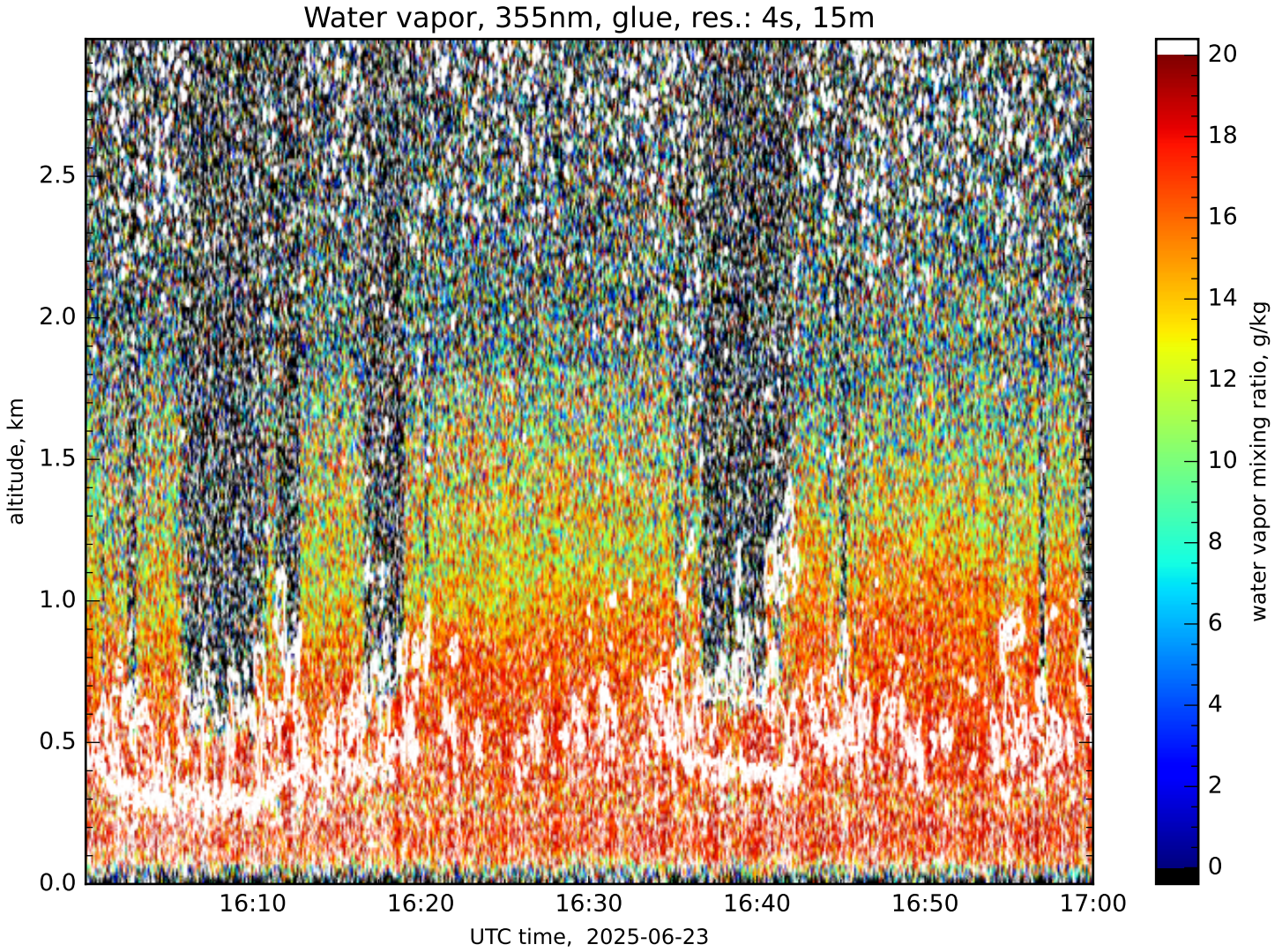

Attenuated backscatter, 1064nm, channel: elastic, far, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
attenuated backscatter, rel.units, logE scale
19
20
21
22
23
24

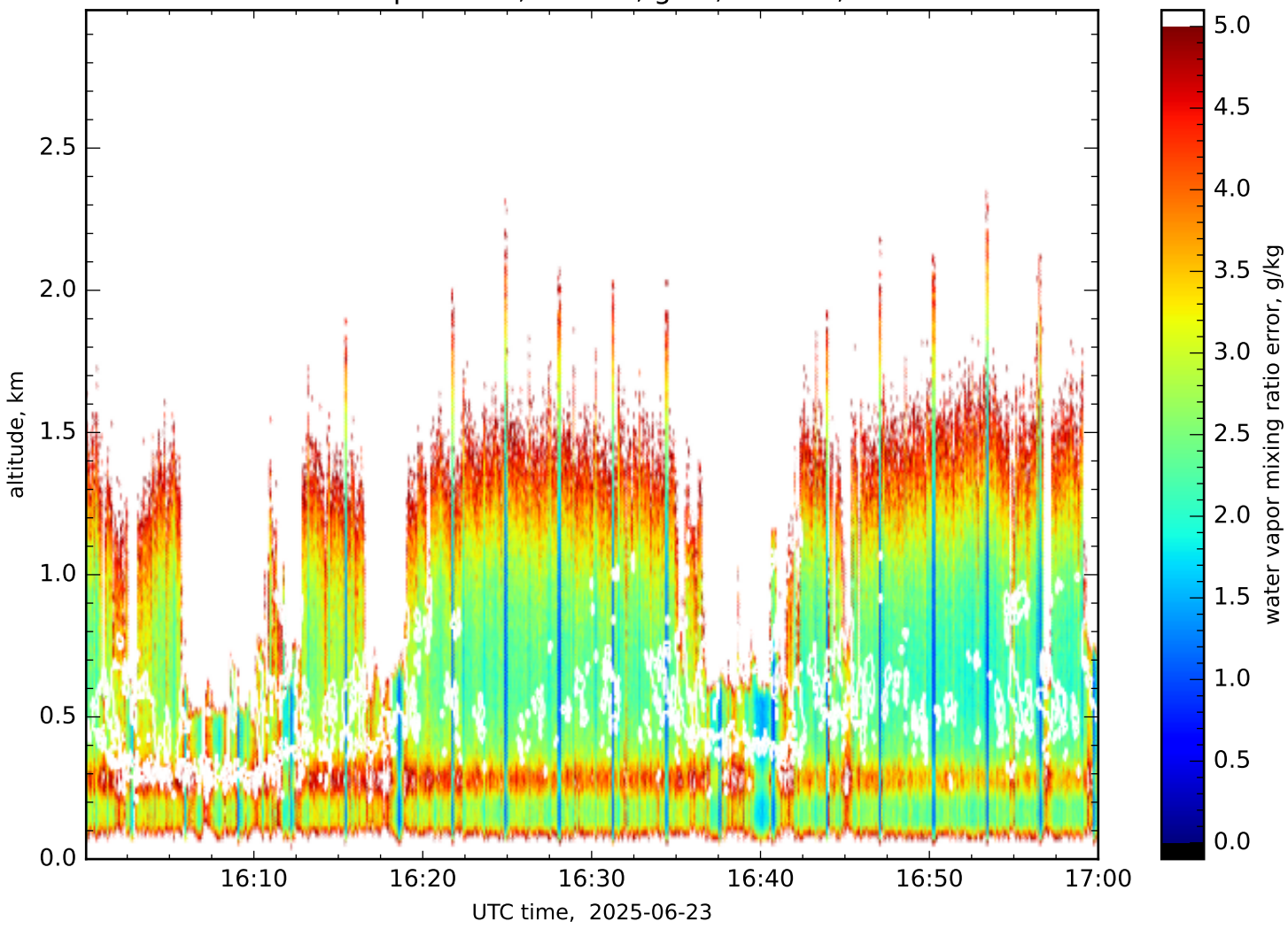

Accuracy (one standard deviation), 1064nm, channel: elastic, far, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
attenuated backscatter error, rel.units, logE scale
13
14
15
16
17
18

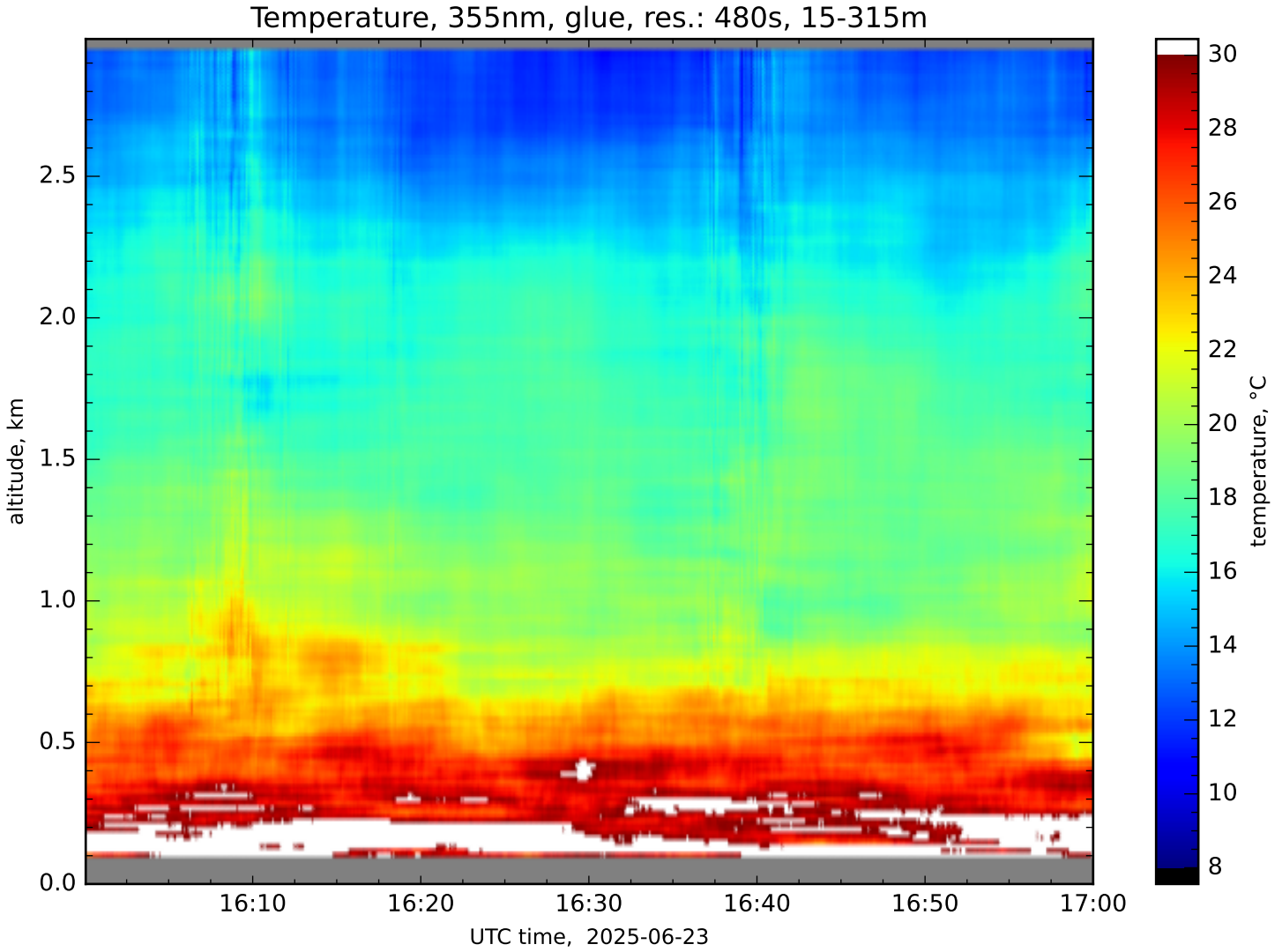

Particle backscatter, 532nm, glue, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
backscatter, 1/(Mm sr)
0
1
2
3
4
5
6
7
8
9
10
Particle backscatter error, 532nm, glue, res.: 4s, 15m
altitude, km
backscatter error, 1/(Mm sr)
UTC time, 2025-06-23

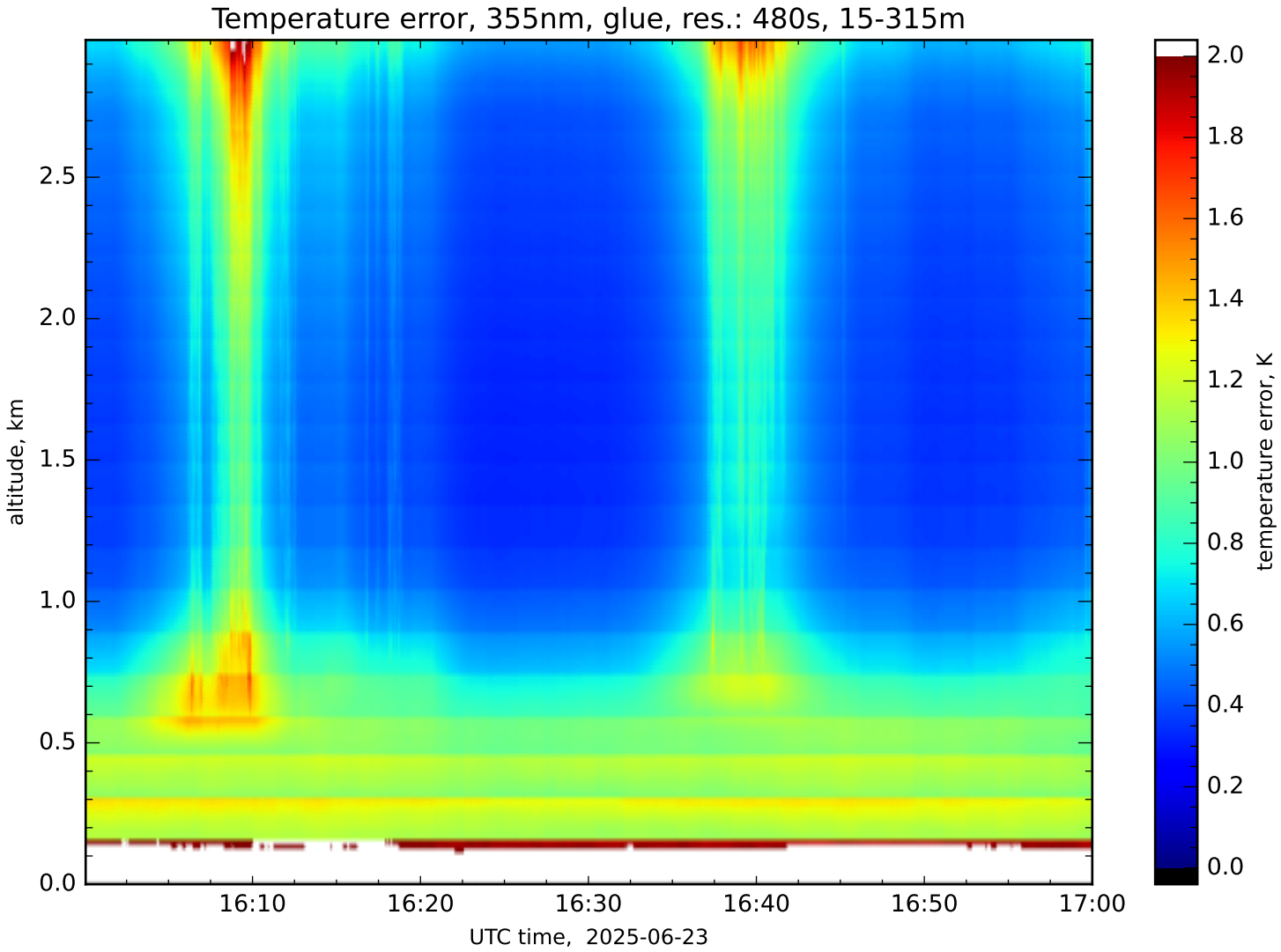

Particle backscatter, 355nm, glue, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
backscatter, 1/(Mm sr)
0
1
2
3
4
5
6
7
8
9
10
Particle backscatter error, 355nm, glue, res.: 4s, 15m
altitude, km
UTC time, 2025-06-23
backscatter error, 1/(Mm sr)

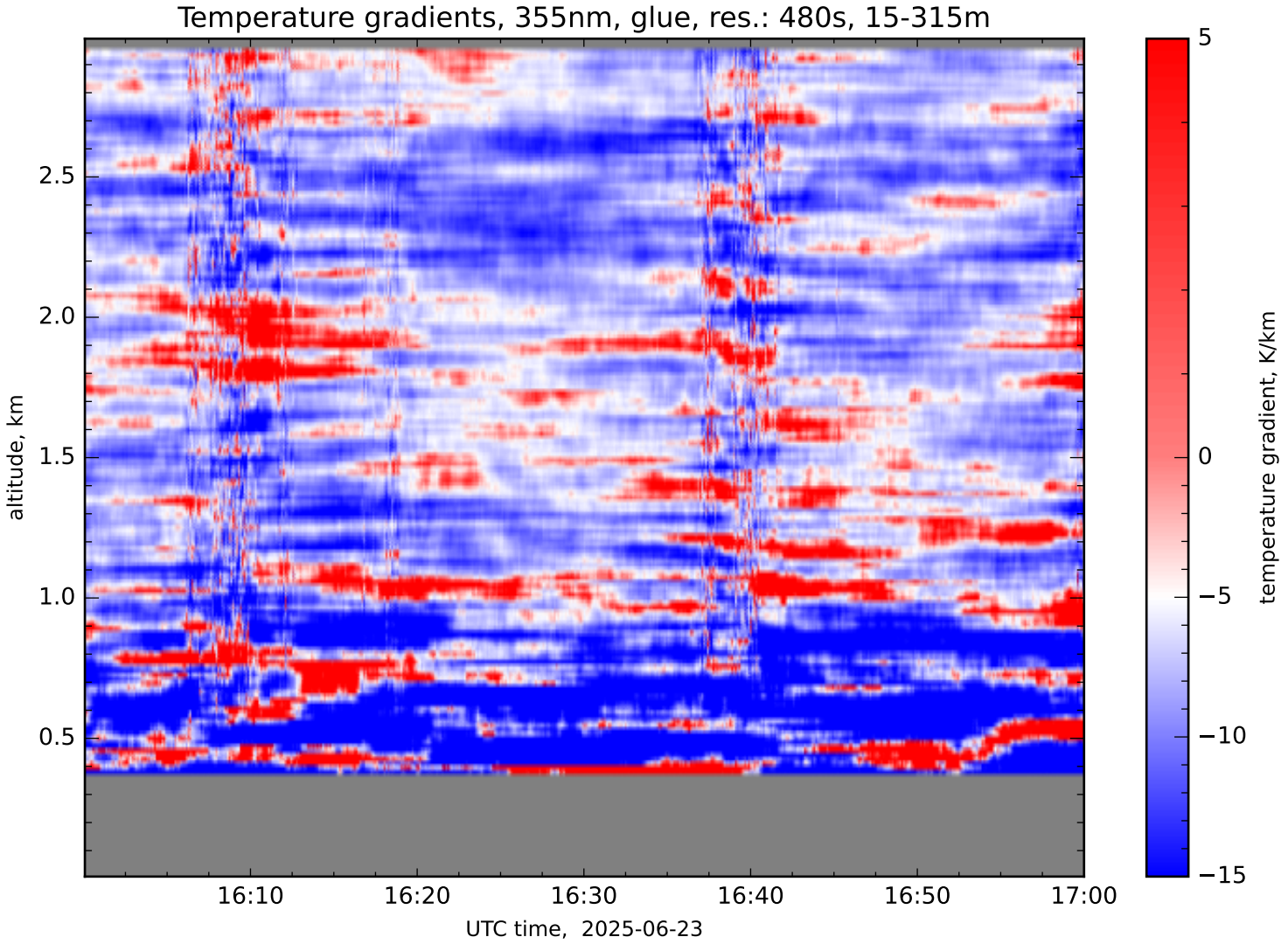

Volume linear depol. ratio, 532nm, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
depolarization ratio, log10 scale
−1.1
−1.3
−1.5
−1.7
−1.9
−2.1
−2.3
Relative error [%], 532nm, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
relative error [%]
0
10
20
30
40
50
60
70
80
90
100

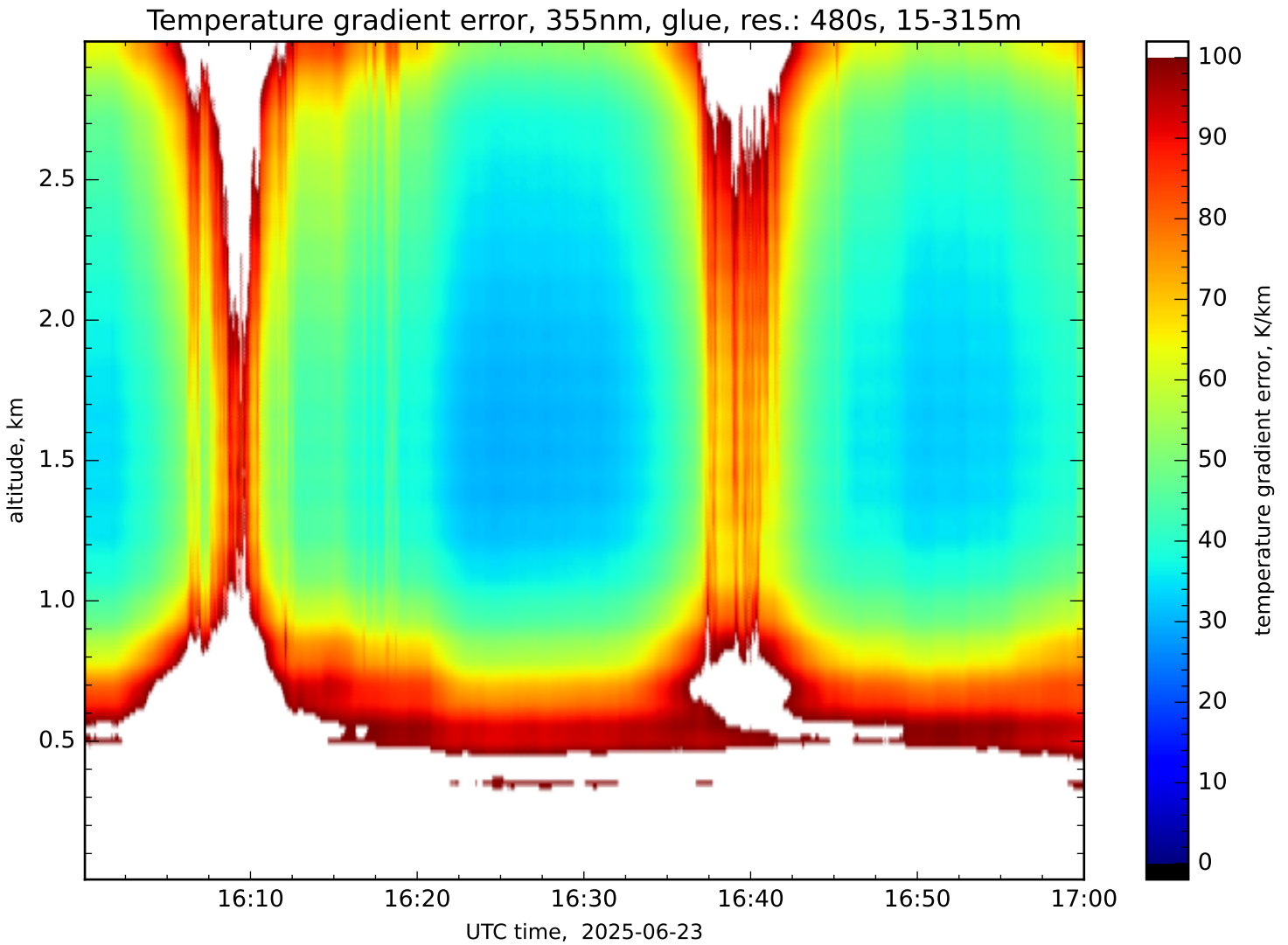

Water vapor, 355nm, glue, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
water vapor mixing ratio, g/kg
0
2
4
6
8
10
12
14
16
18
20

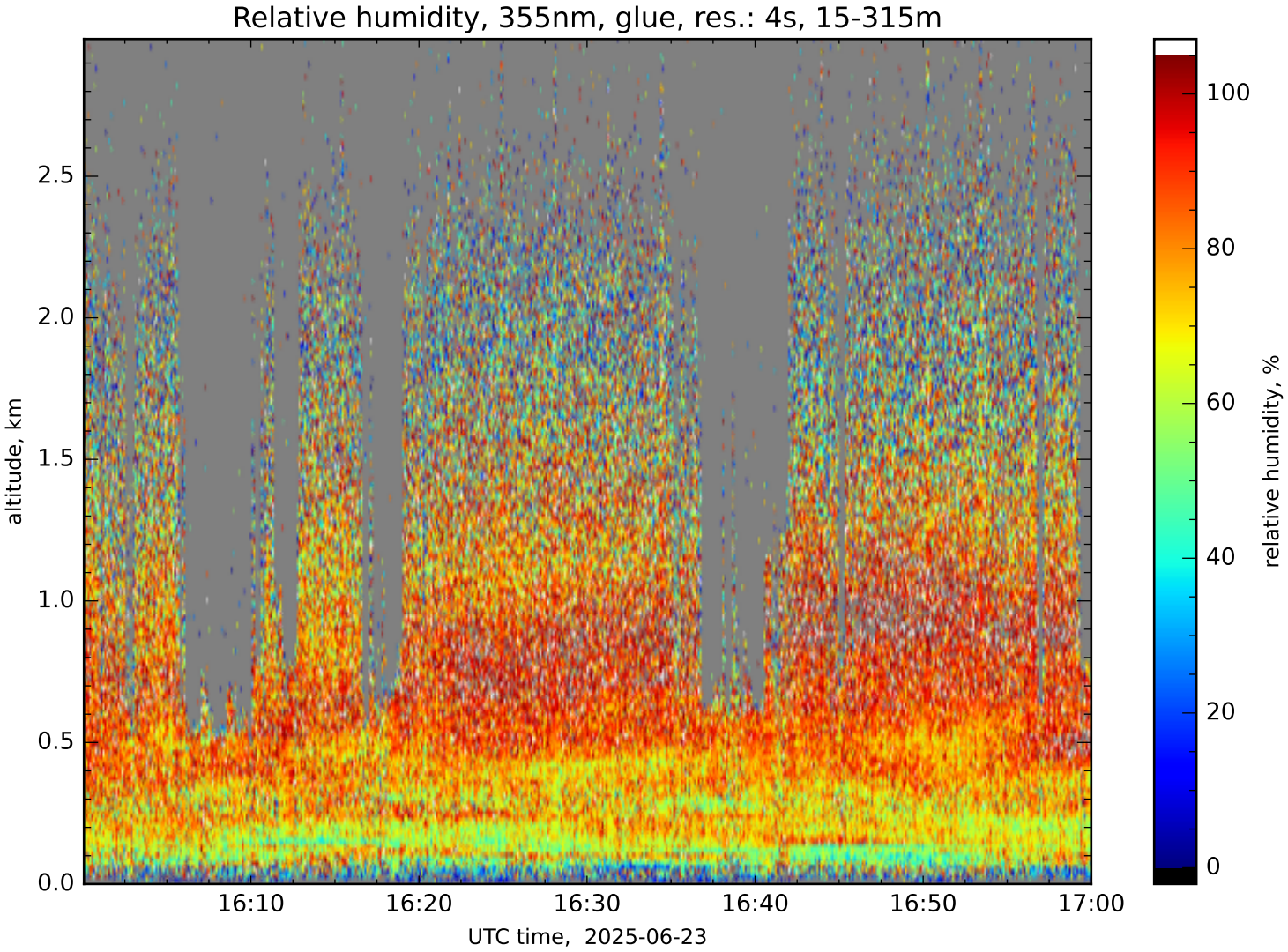

Water vapor error, 355nm, glue, res.: 4s, 15m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
water vapor mixing ratio error, g/kg
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0

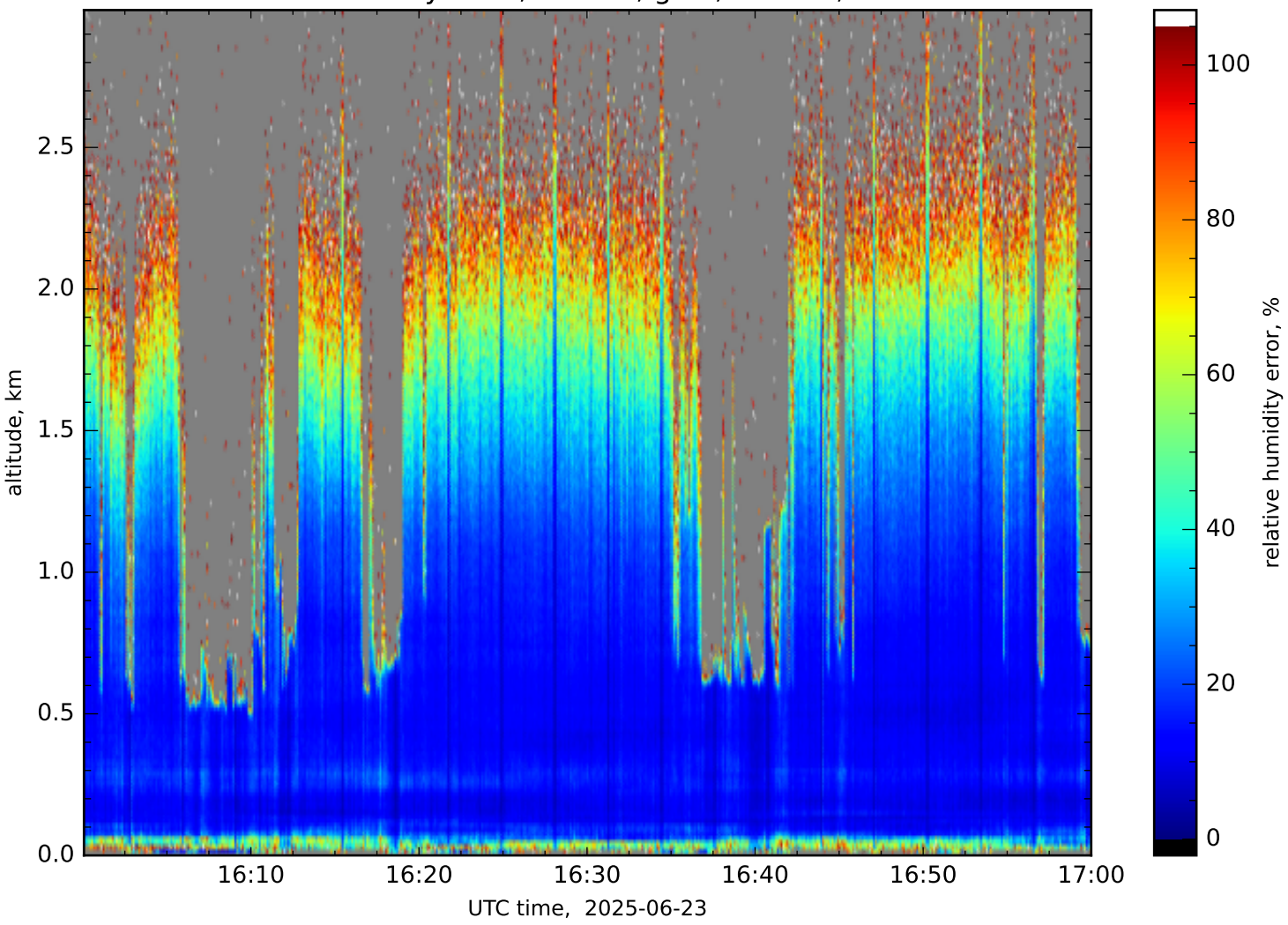

Temperature, 355nm, glue, res.: 480s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
temperature, °C
8
10
12
14
16
18
20
22
24
26
28
30

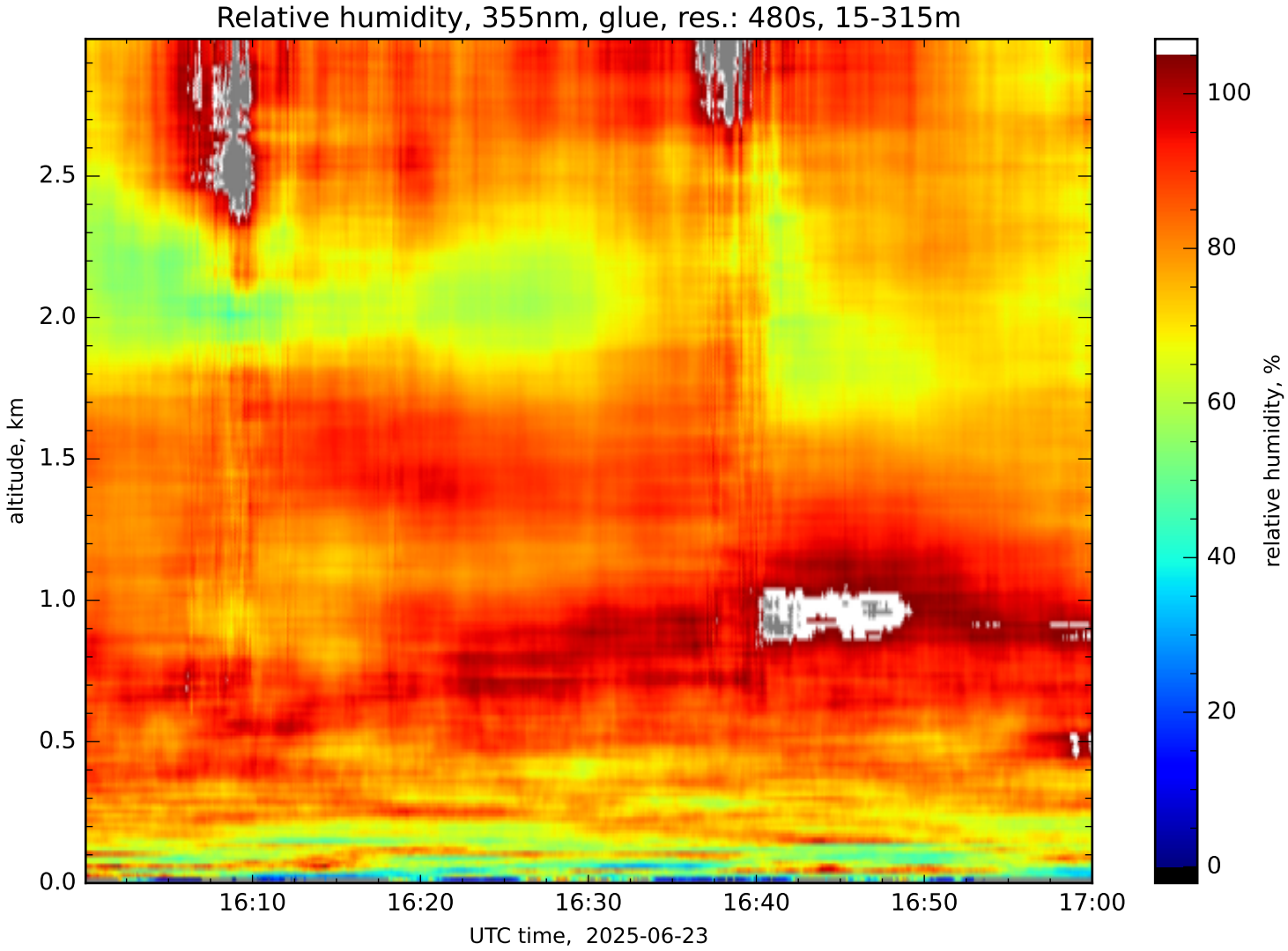

Temperature error, 355nm, glue, res.: 480s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
temperature error, K
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0

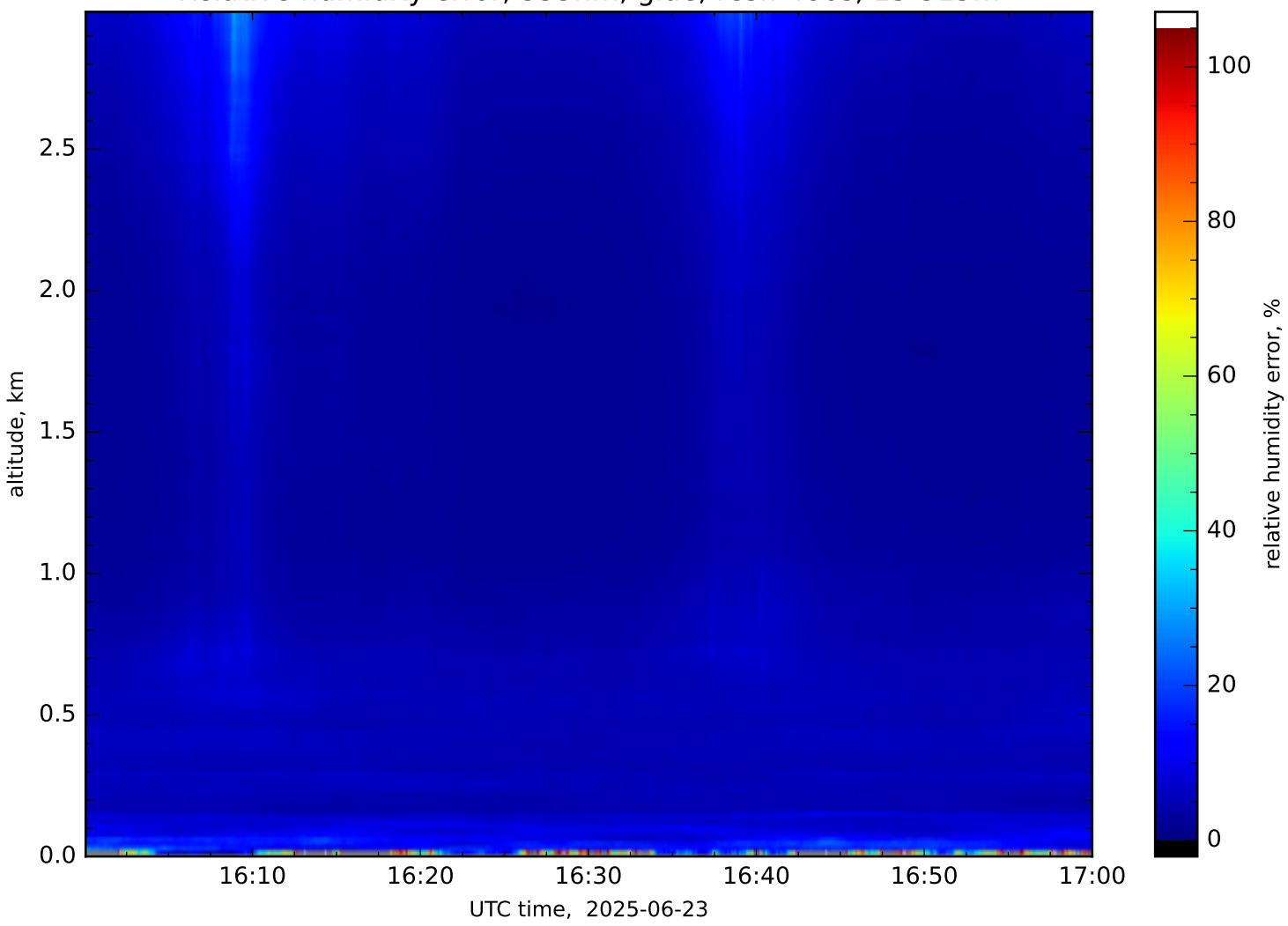

Temperature gradients, 355nm, glue, res.: 480s, 15-315m
altitude, km
2.5
2.0
1.5
1.0
0.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
5
0
−5
−10
−15
temperature gradient, K/km


Temperature gradient error, 355nm, glue, res.: 480s, 15-315m
altitude, km
2.5
2.0
1.5
1.0
0.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
100
90
80
70
60
50
40
30
20
10
0
temperature gradient error, K/km


Relative humidity, 355nm, glue, res.: 4s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
relative humidity, %
0
20
40
60
80
100


Relative humidity error, 355nm, glue, res.: 4s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
relative humidity error, %
0
20
40
60
80
100


Relative humidity, 355nm, glue, res.: 480s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
relative humidity, %
0
20
40
60
80
100


Relative humidity error, 355nm, glue, res.: 480s, 15-315m
altitude, km
0.0
0.5
1.0
1.5
2.0
2.5
16:10
16:20
16:30
16:40
16:50
17:00
UTC time, 2025-06-23
relative humidity error, %
0
20
40
60
80
100