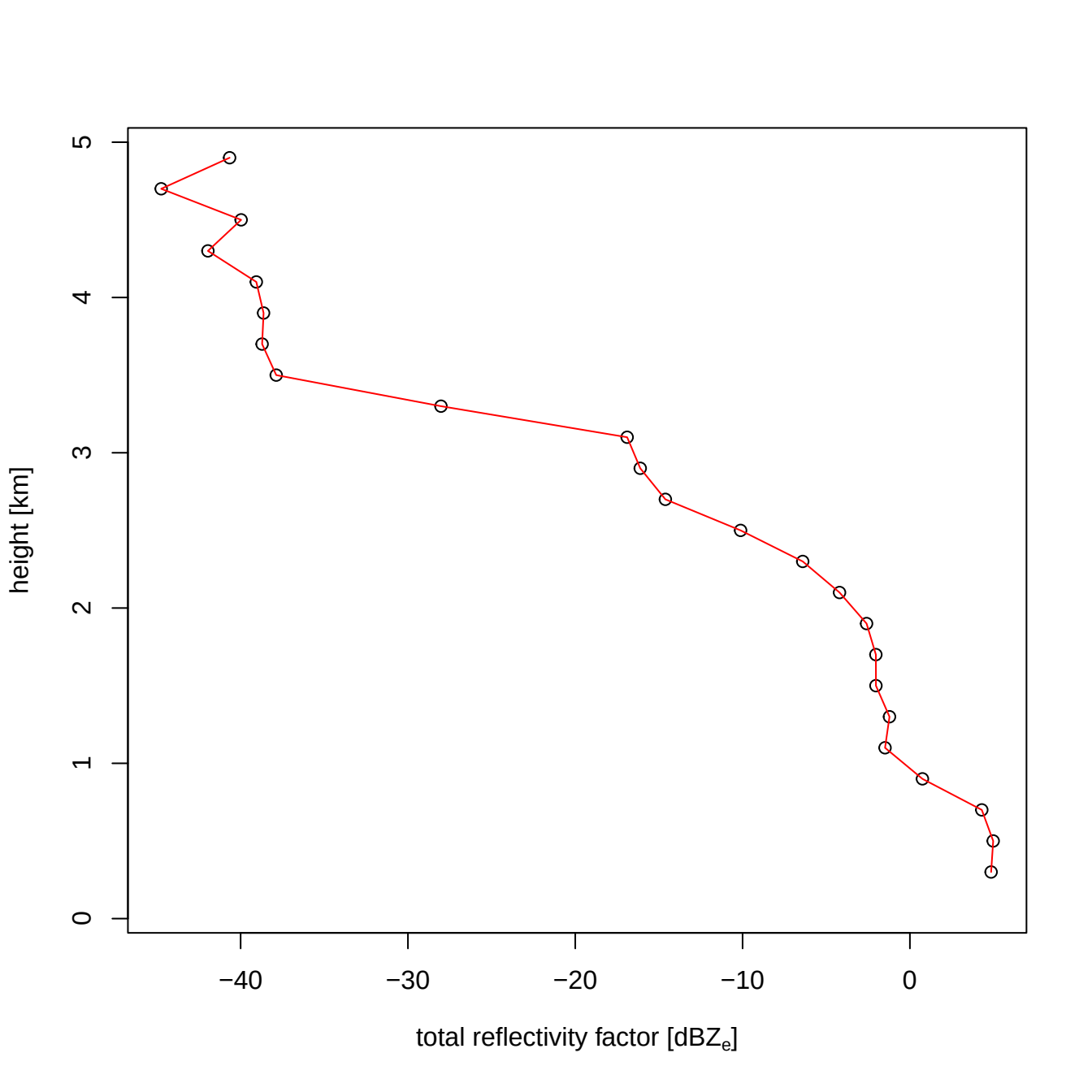
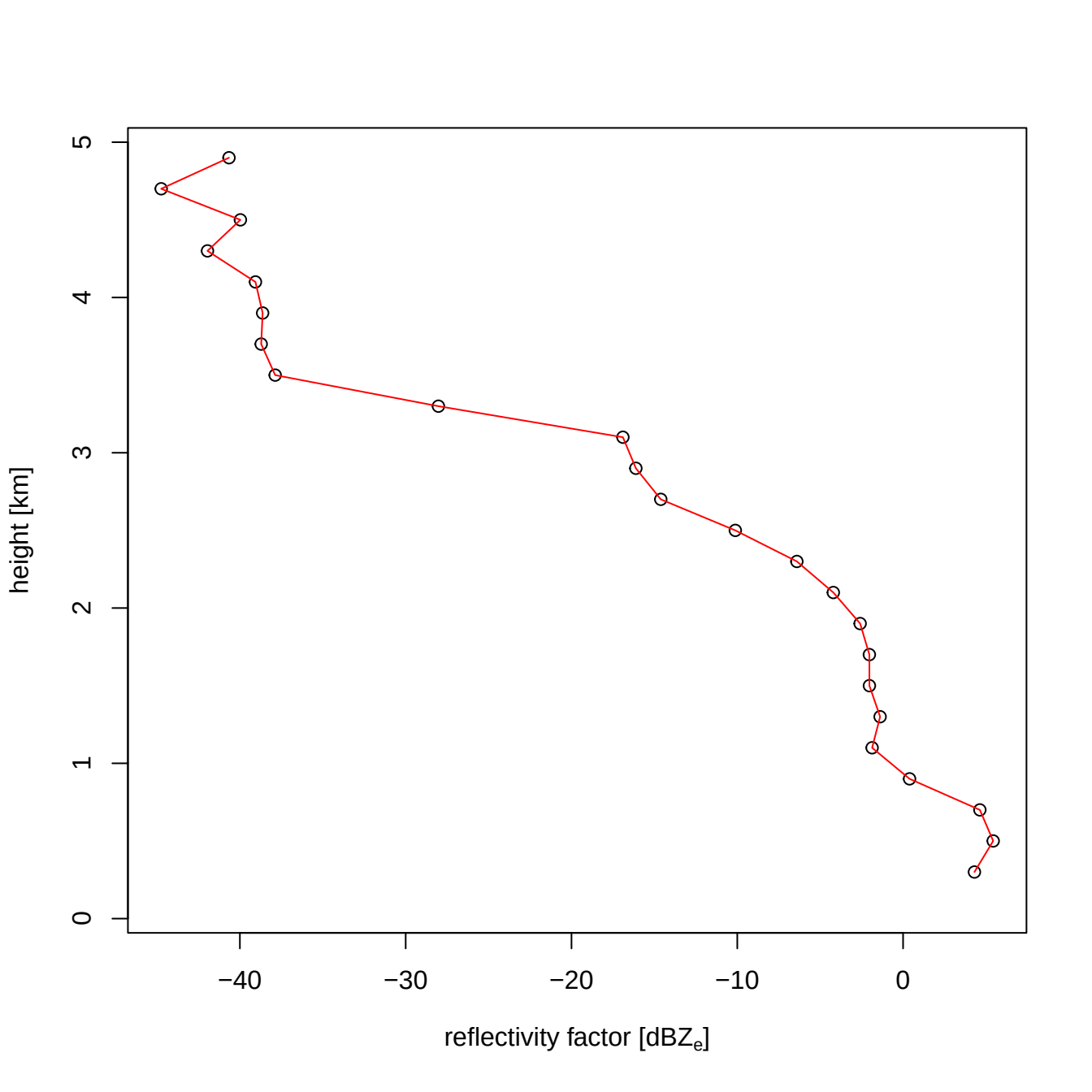
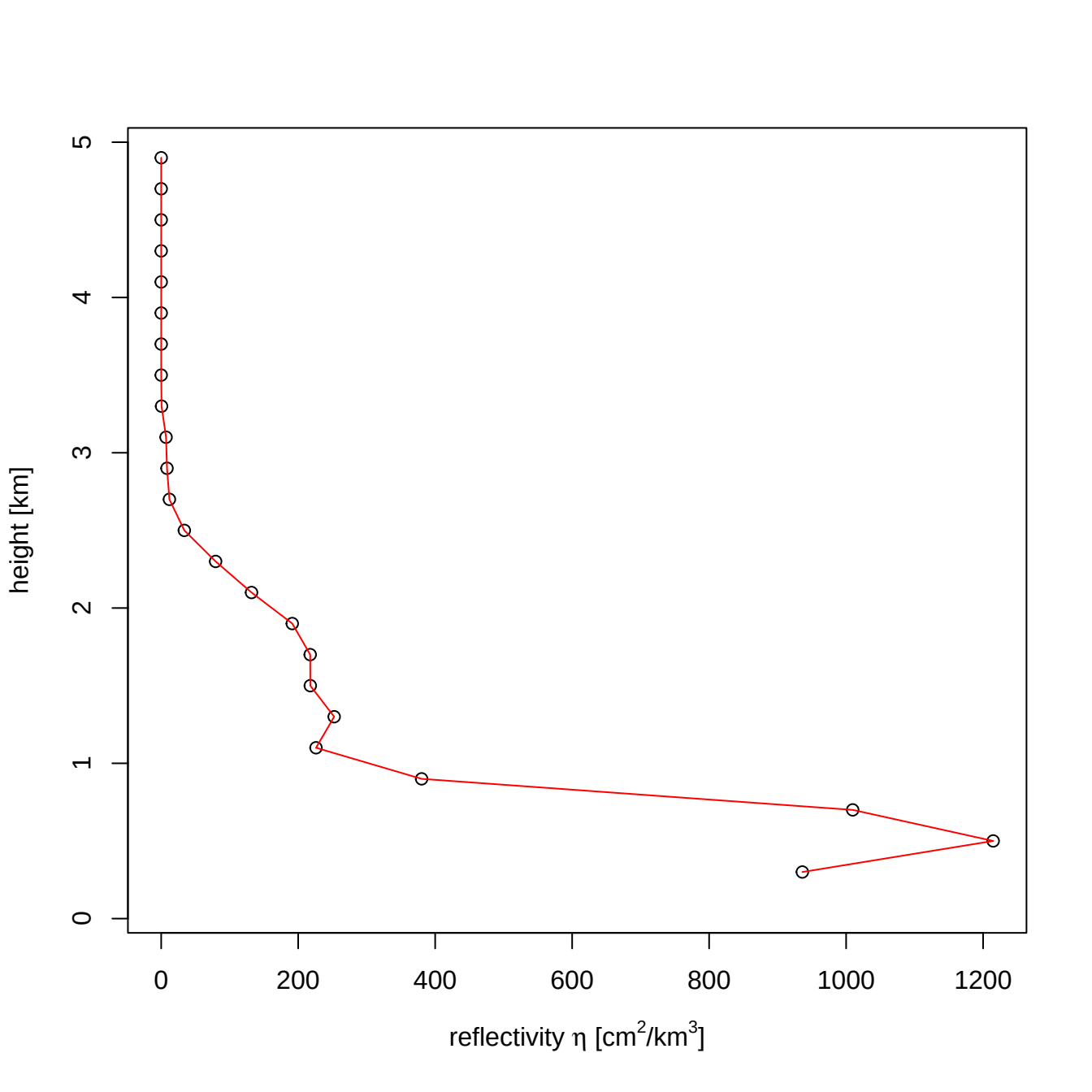
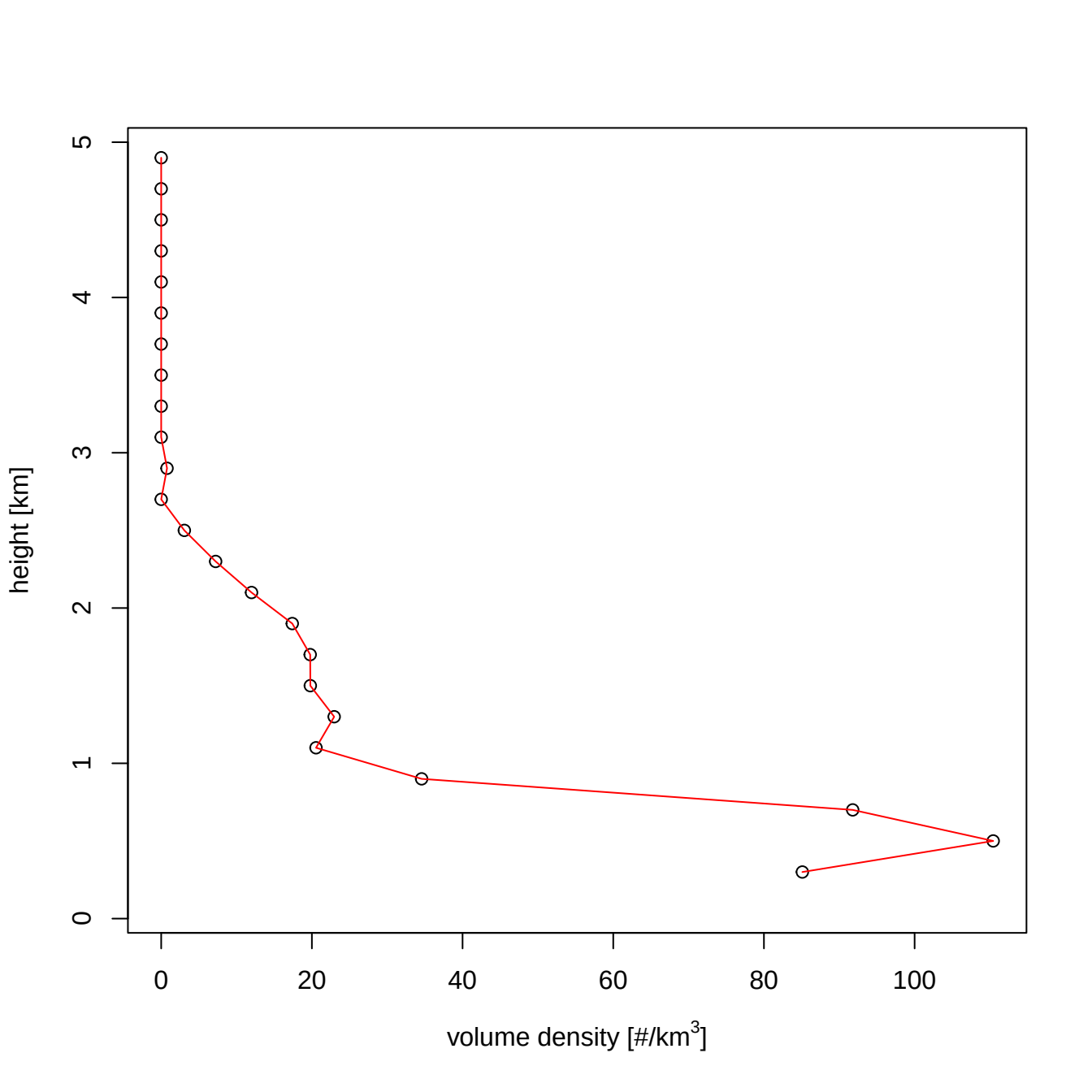
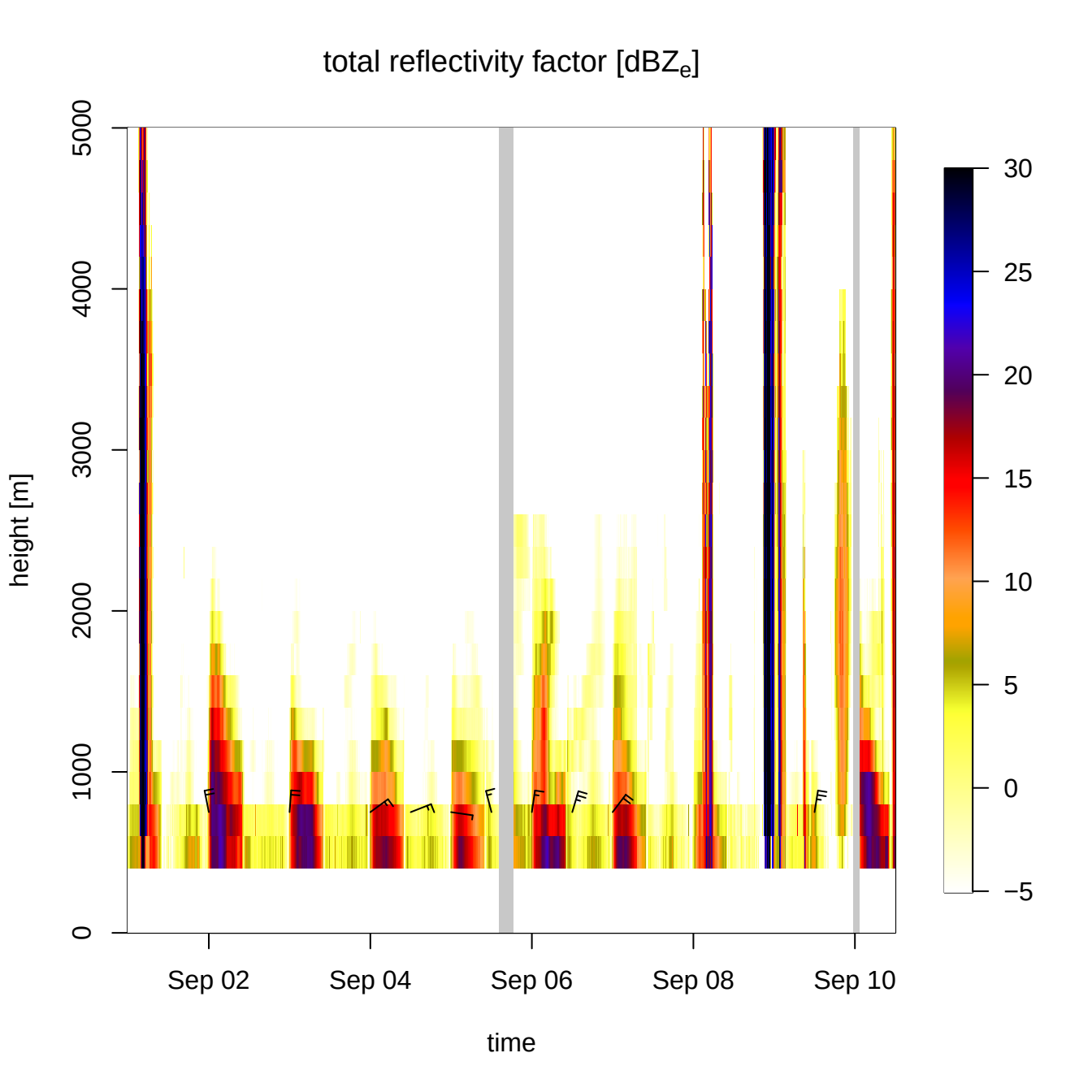
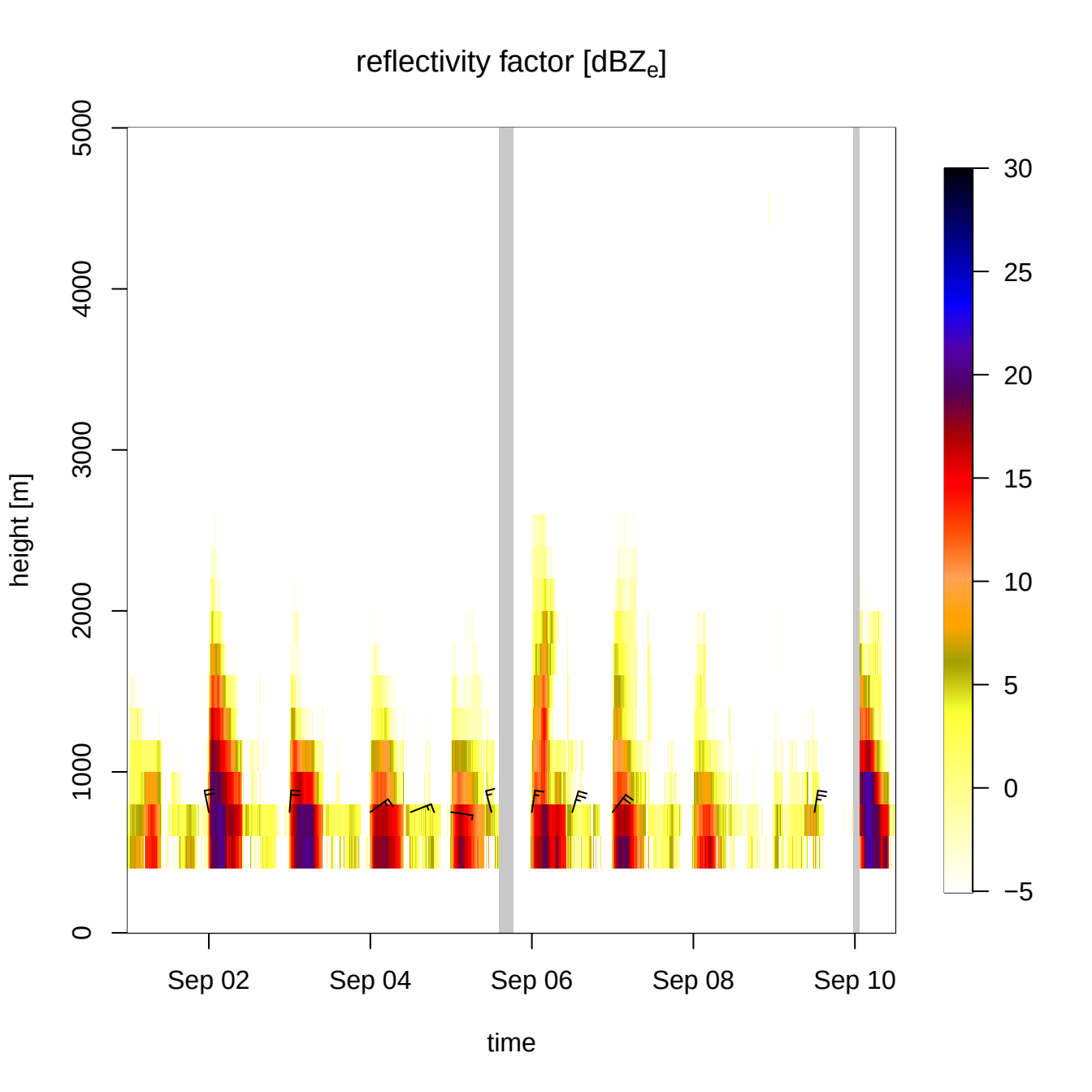

height [km]
0
1
2
3
4
5
−40
−30
−20
−10
0
total reflectivity factor [dBZe]

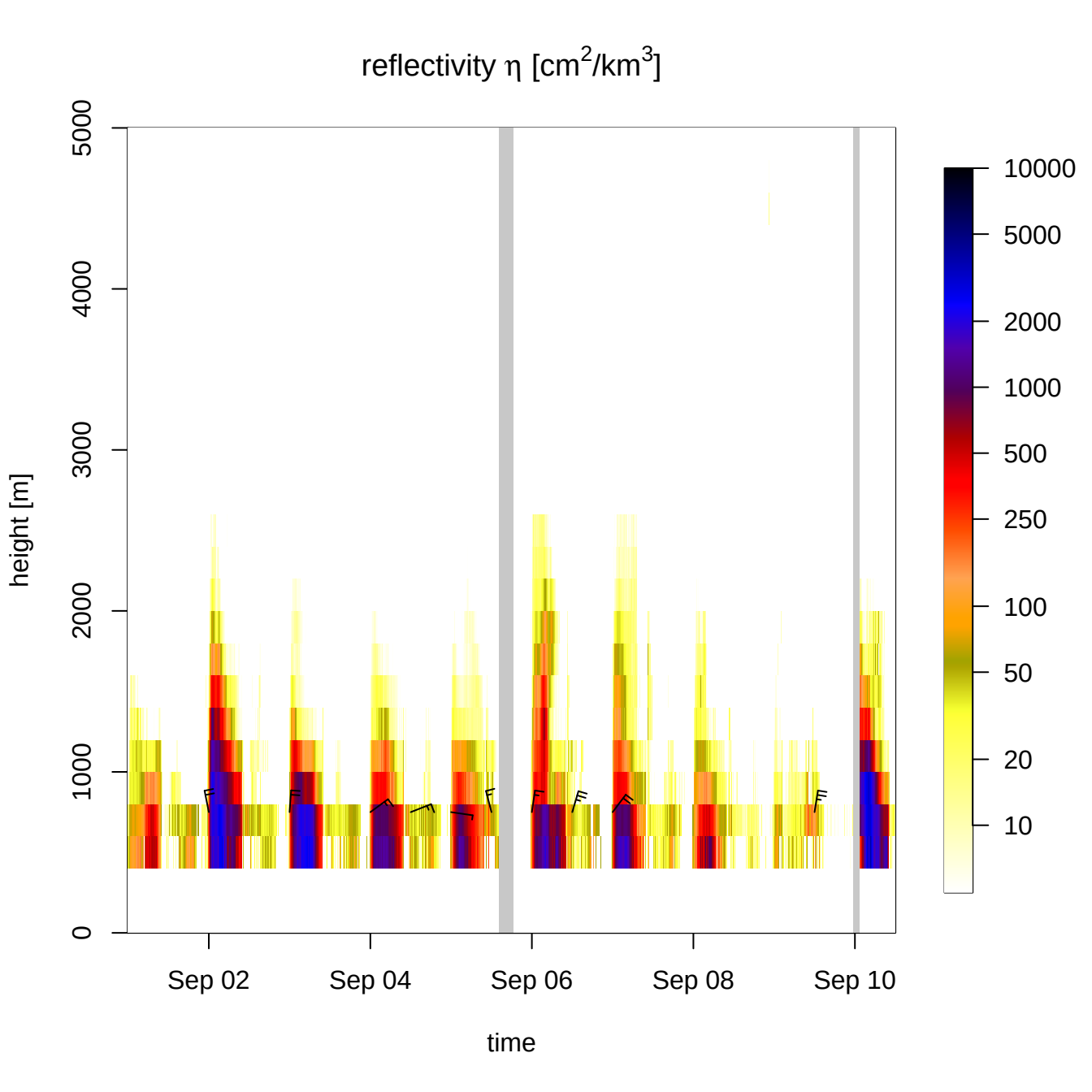

height [km]
0
1
2
3
4
5
−40
−30
−20
−10
0
reflectivity factor [dBZe]

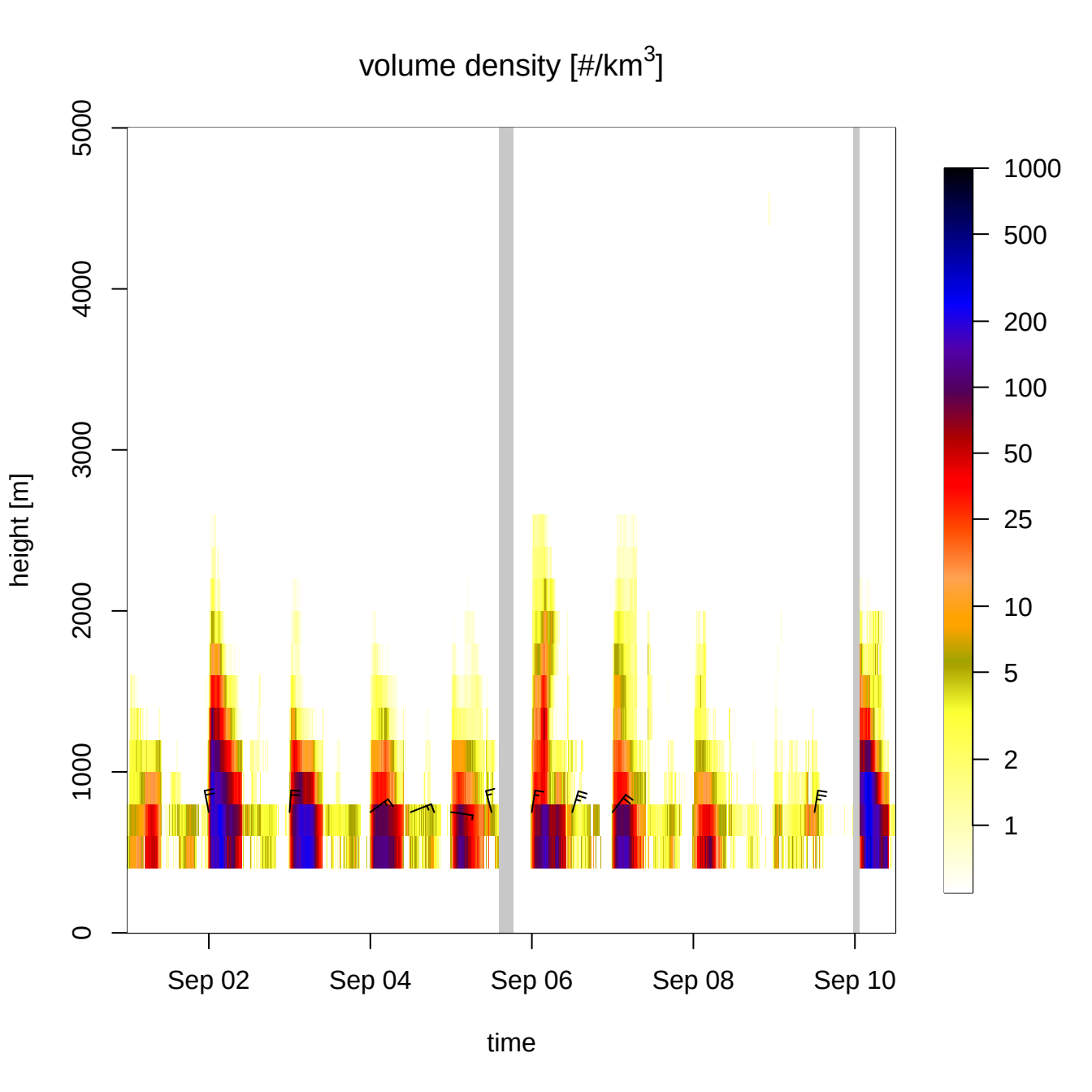

height [km]
0
1
2
3
4
5
0
200
400
600
800
1000
1200
reflectivity η [cm^2/km^3]

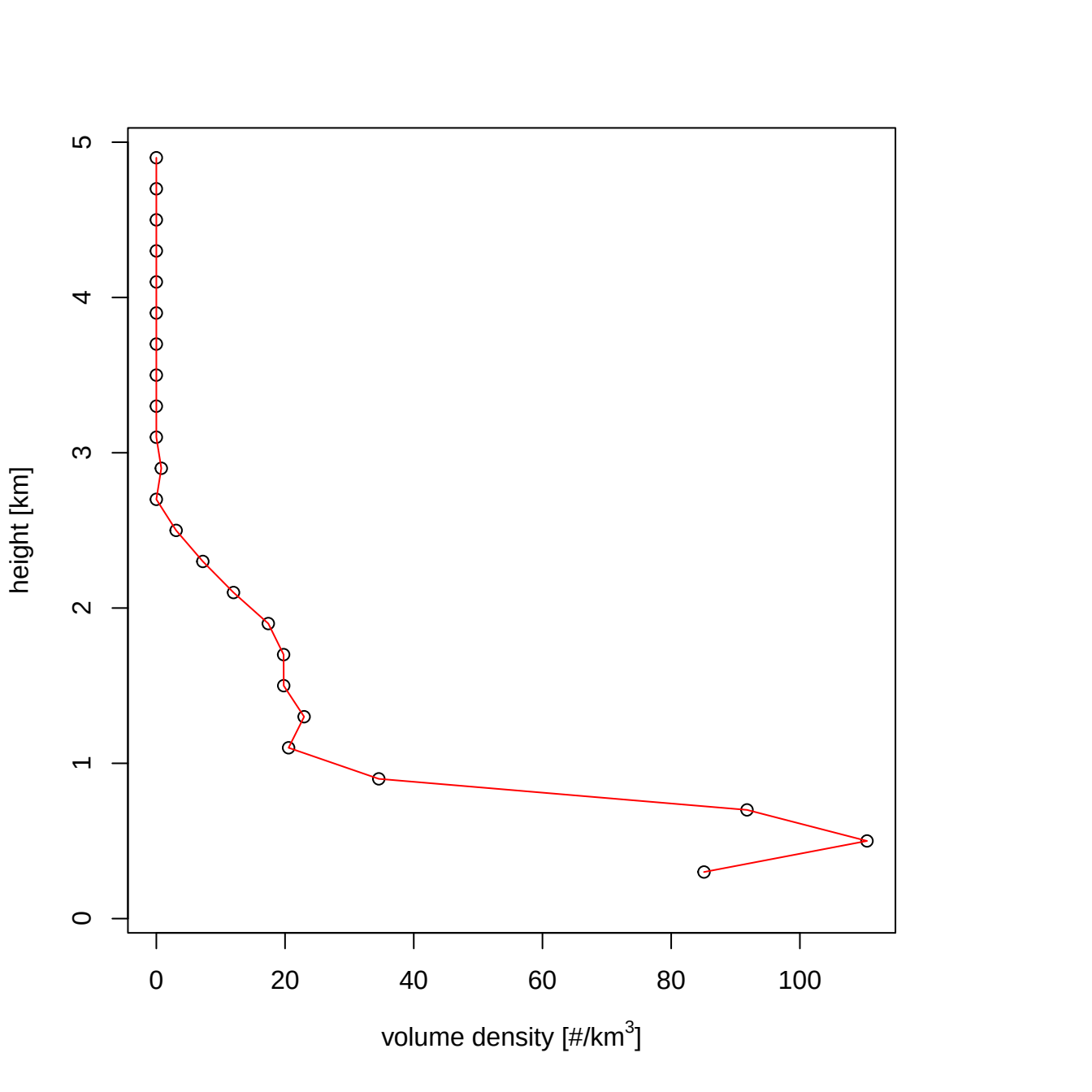

height [km]
0
1
2
3
4
5
0
20
40
60
80
100
volume density [#/km3]

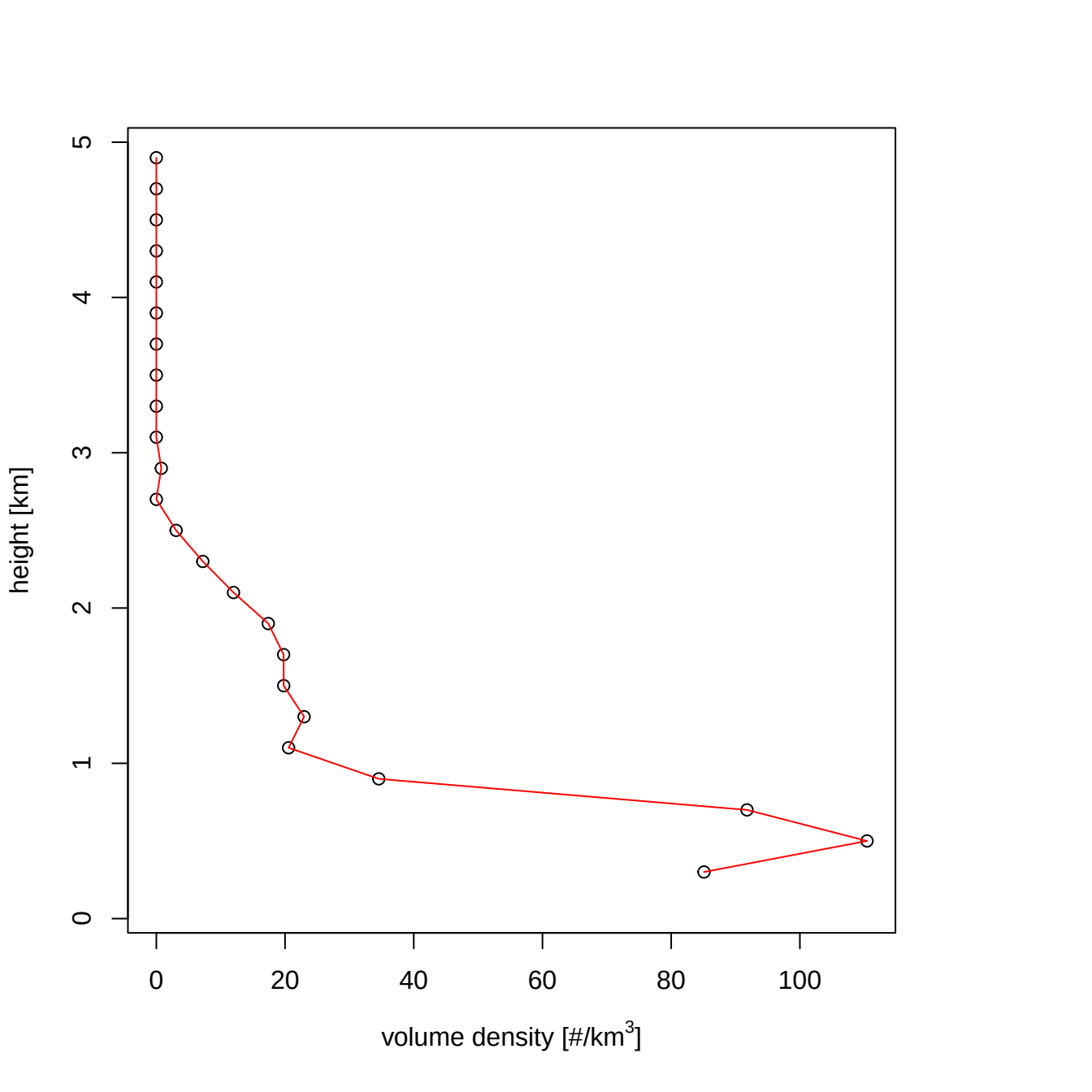

total reflectivity factor [dBZe]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
30
25
20
15
10
5
0
−5

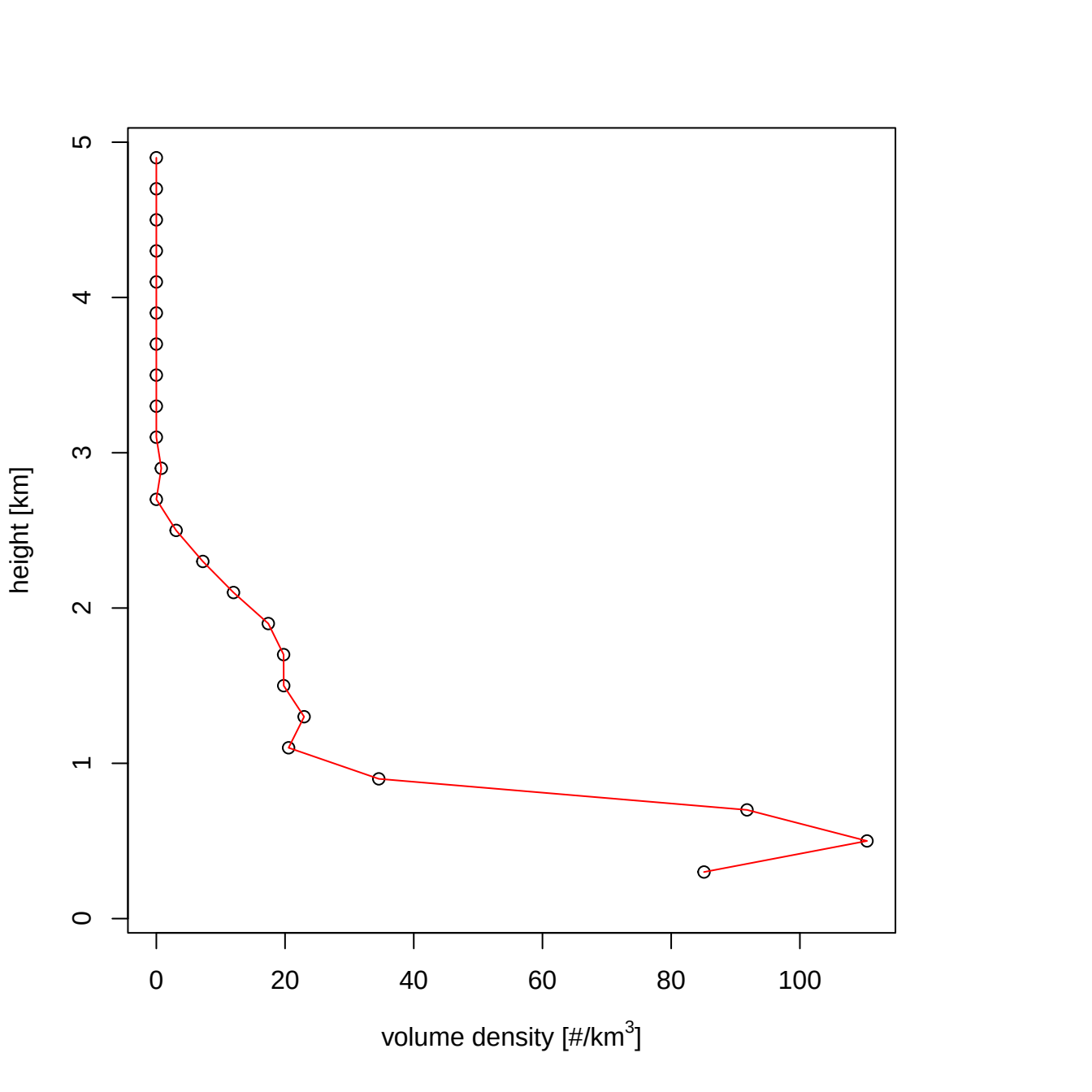

reflectivity factor [dBZe]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
30
25
20
15
10
5
0
−5

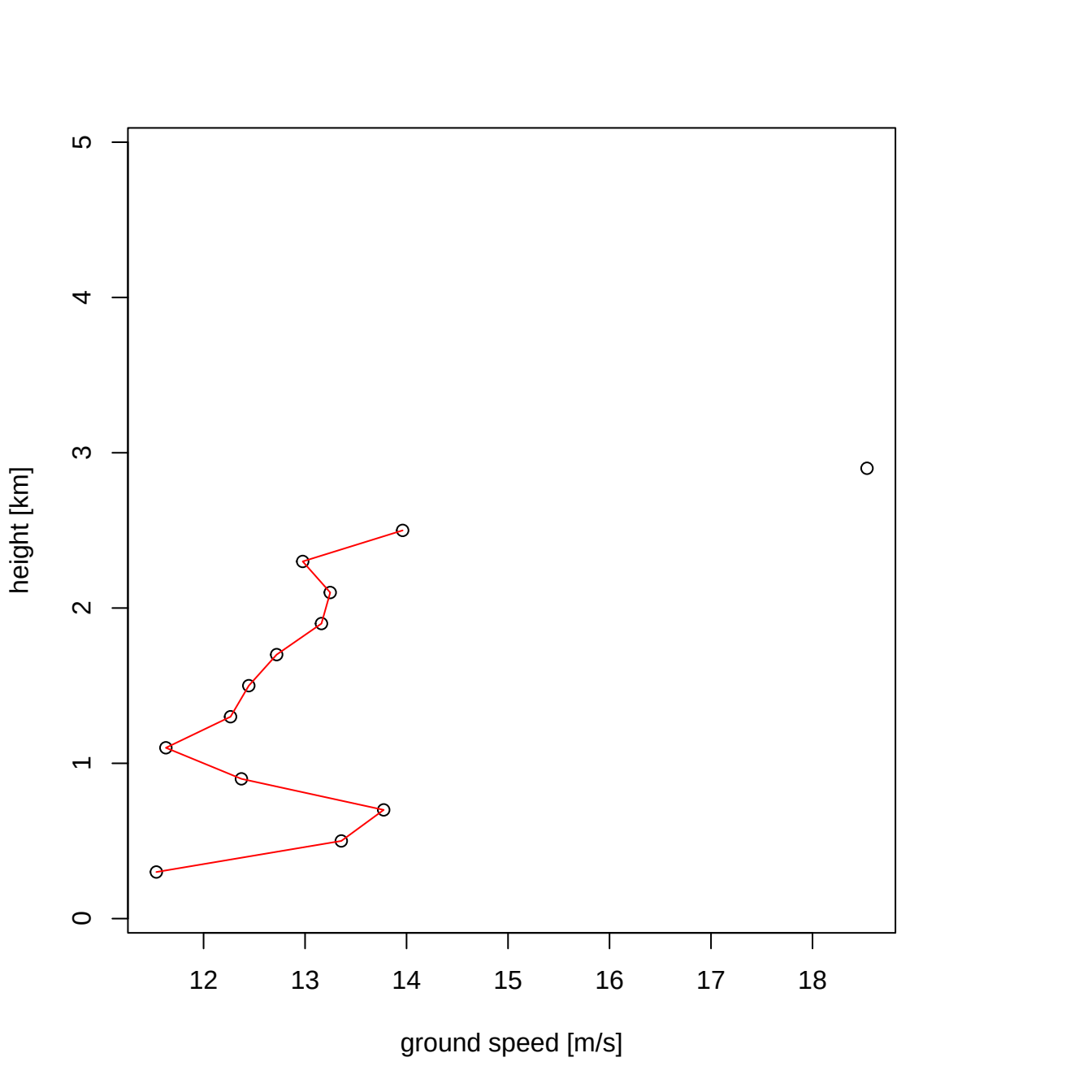

reflectivity η [cm^2/km^3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
10000
5000
2000
1000
500
250
100
50
20
10

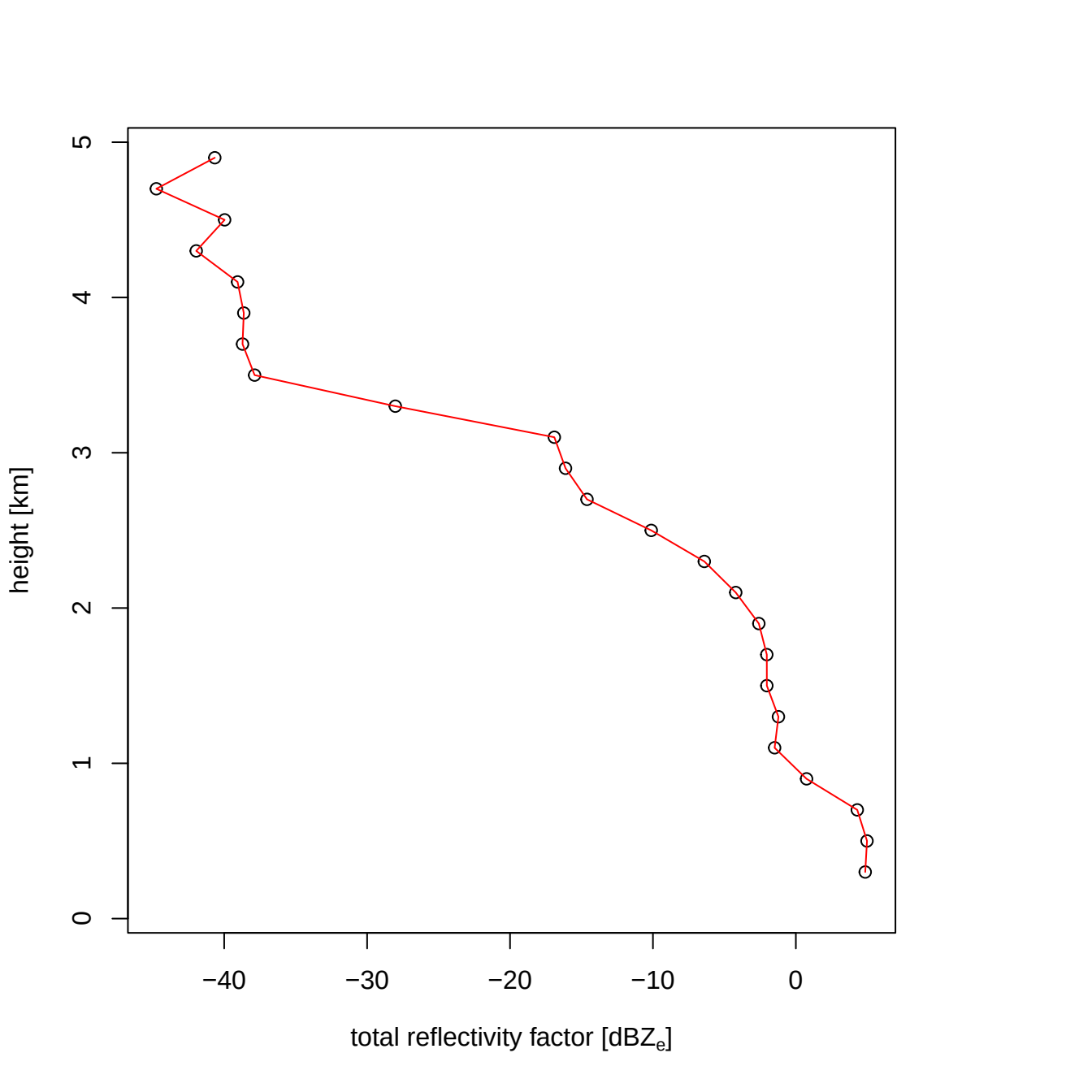

volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1

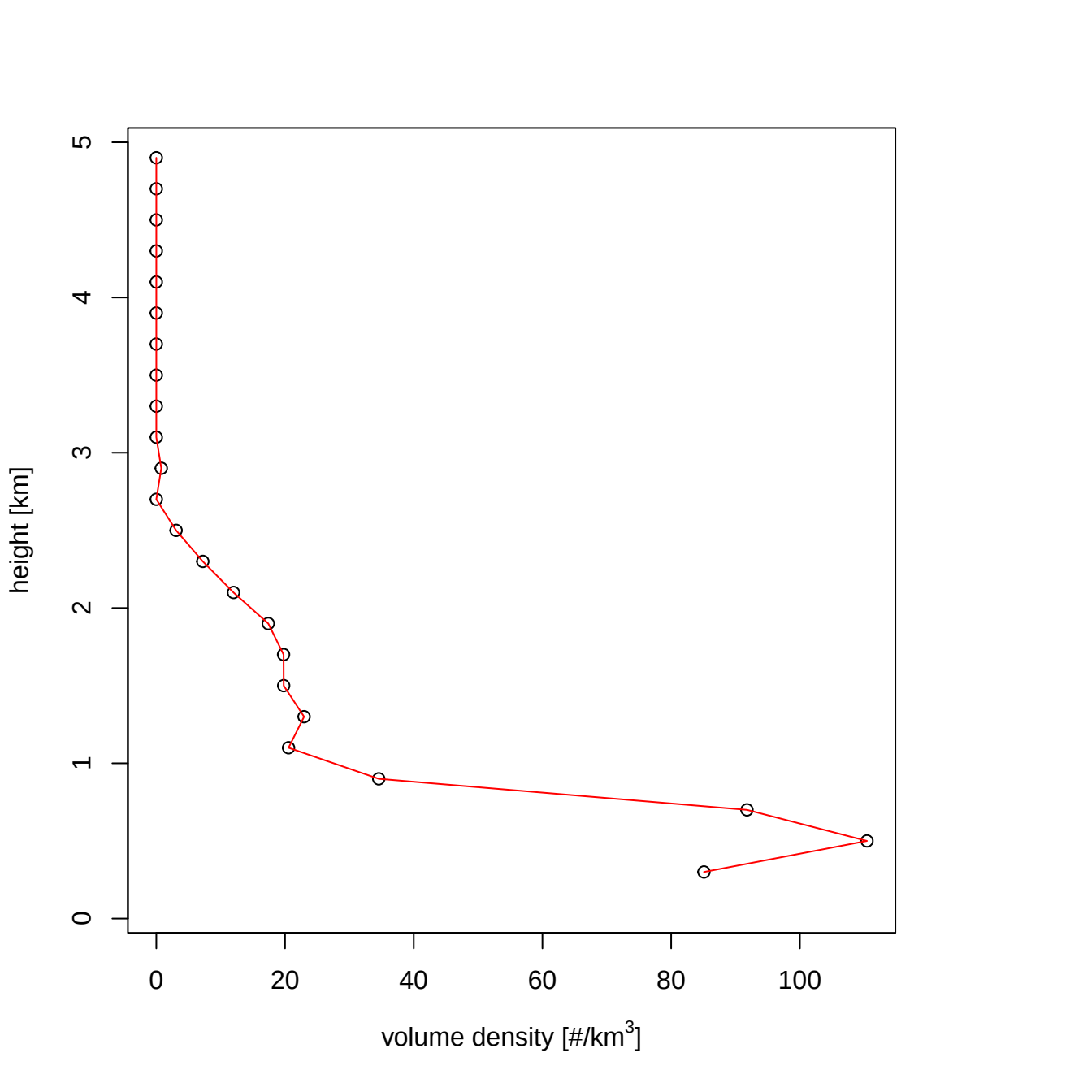

height [km]
0
1
2
3
4
5
0
20
40
60
80
100
volume density [#/km3]

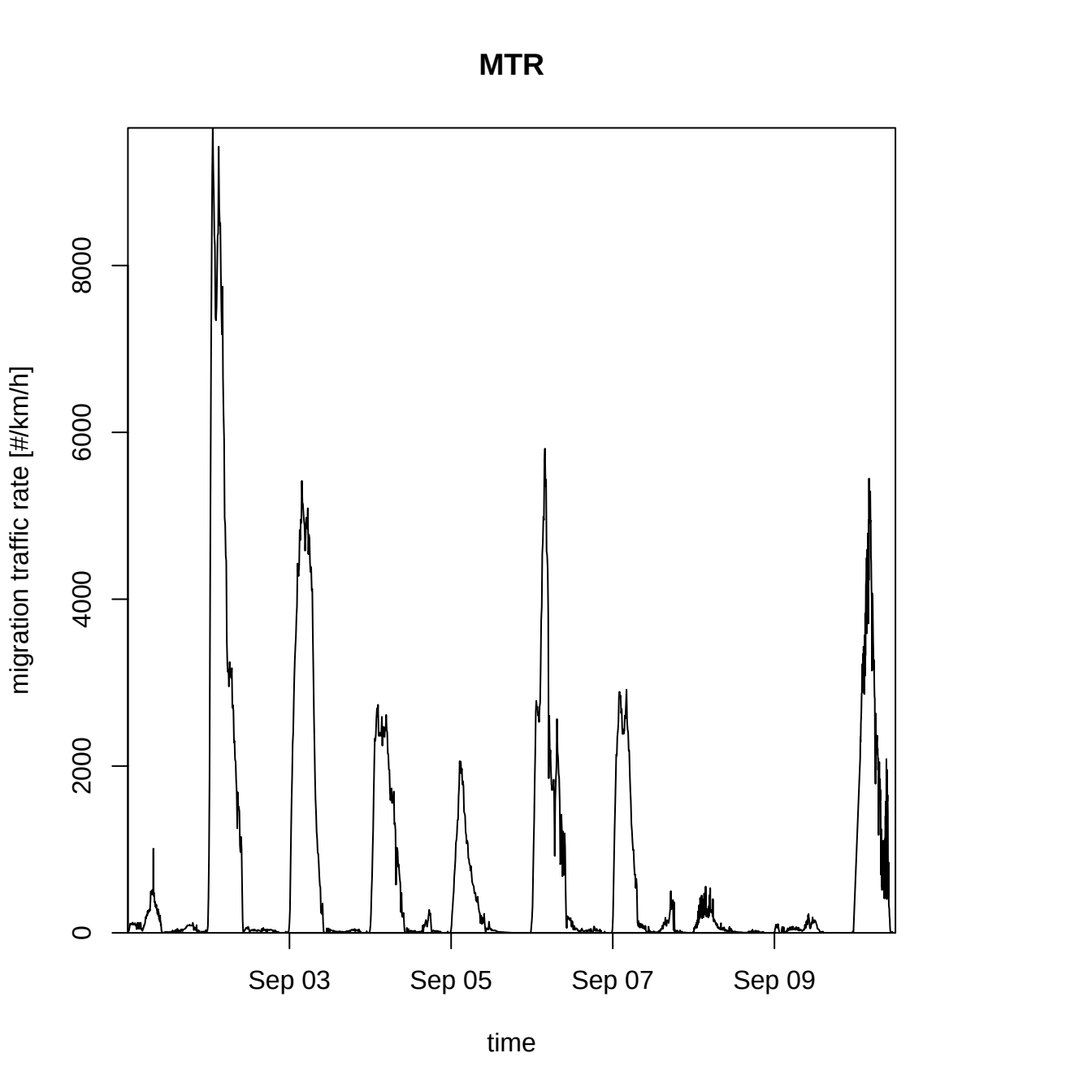

height [km]
0
1
2
3
4
5
0
20
40
60
80
100
volume density [#/km3]

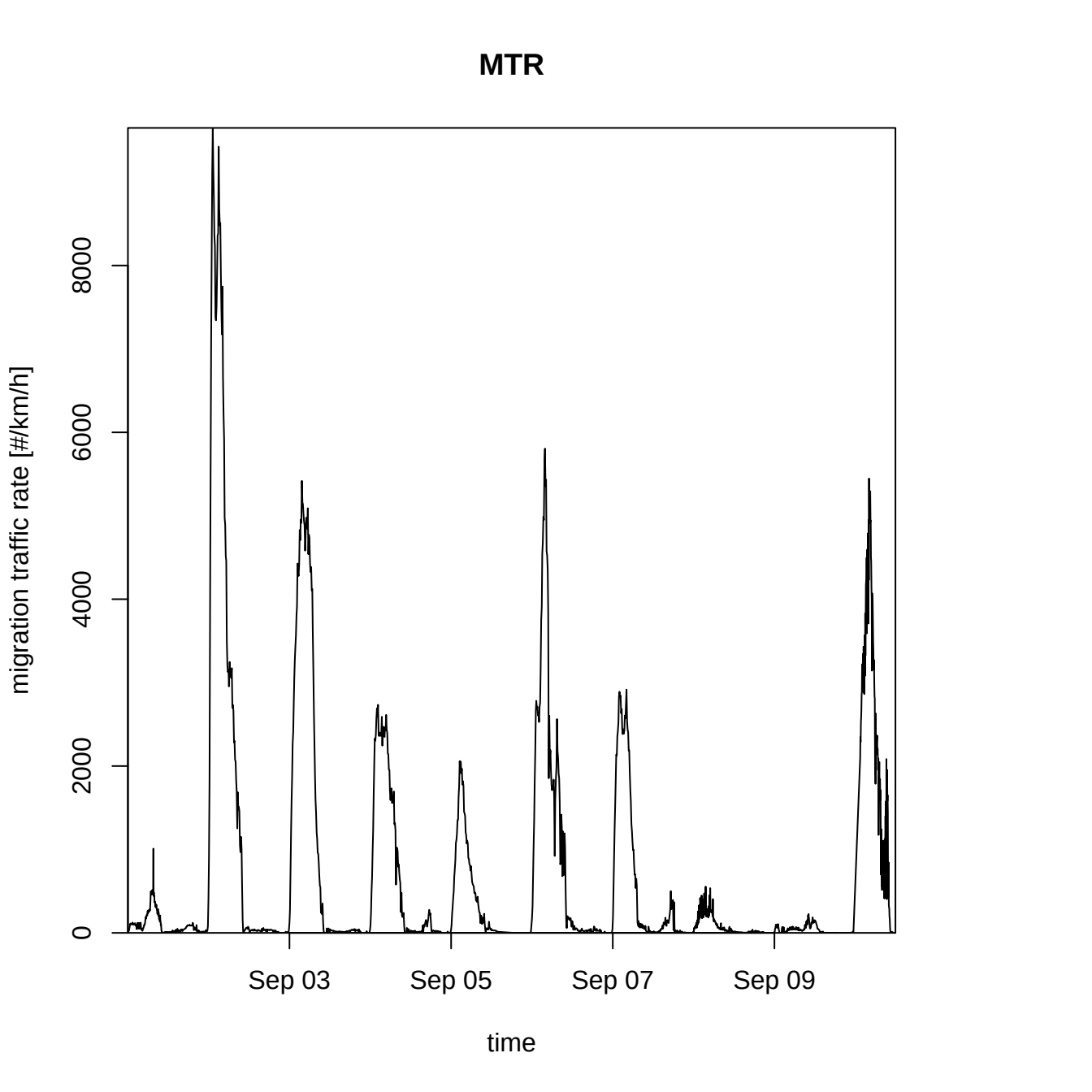

height [km]
0
1
2
3
4
5
0
20
40
60
80
100
volume density [#/km3]

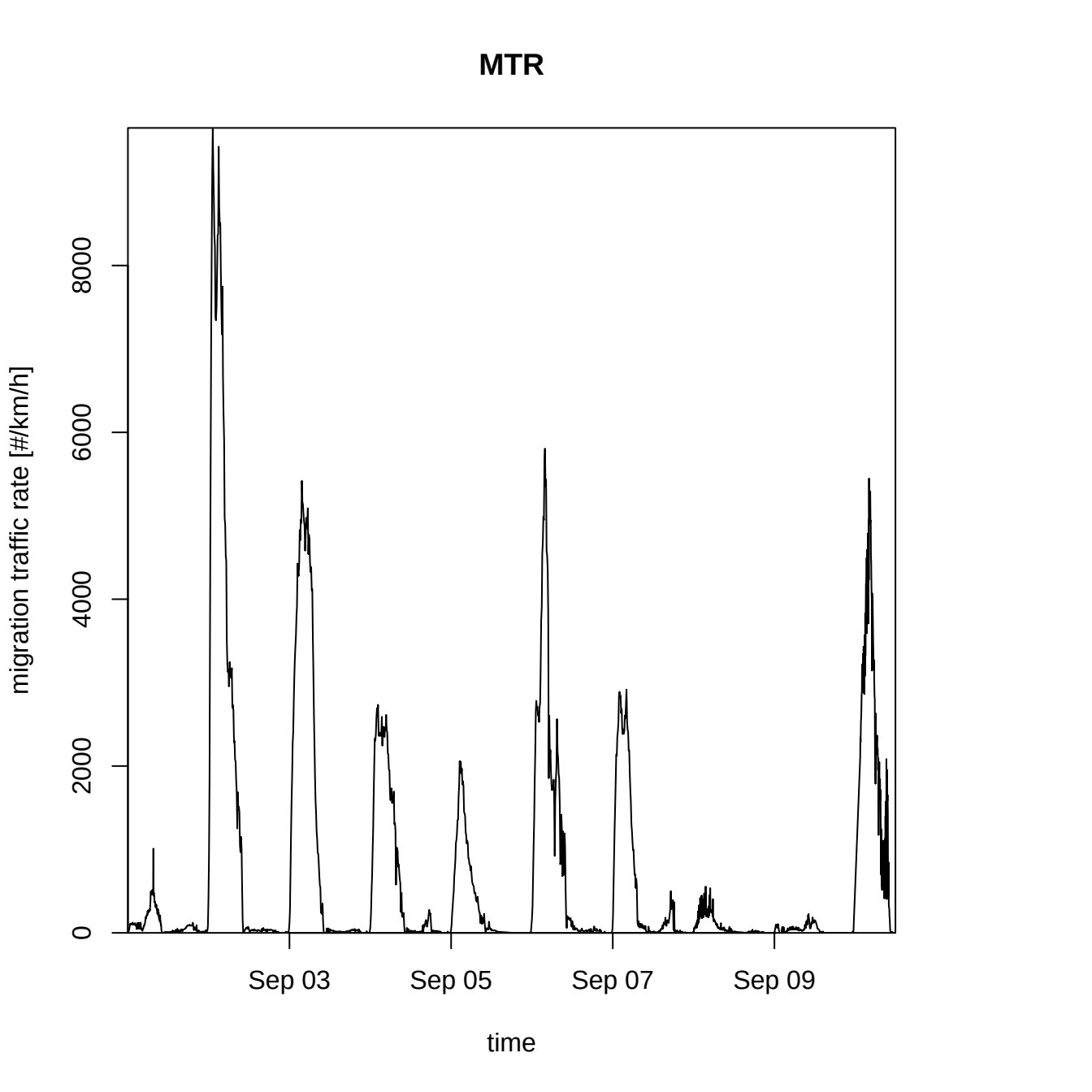

height [km]
0
1
2
3
4
5
12
13
14
15
16
17
18
ground speed [m/s]

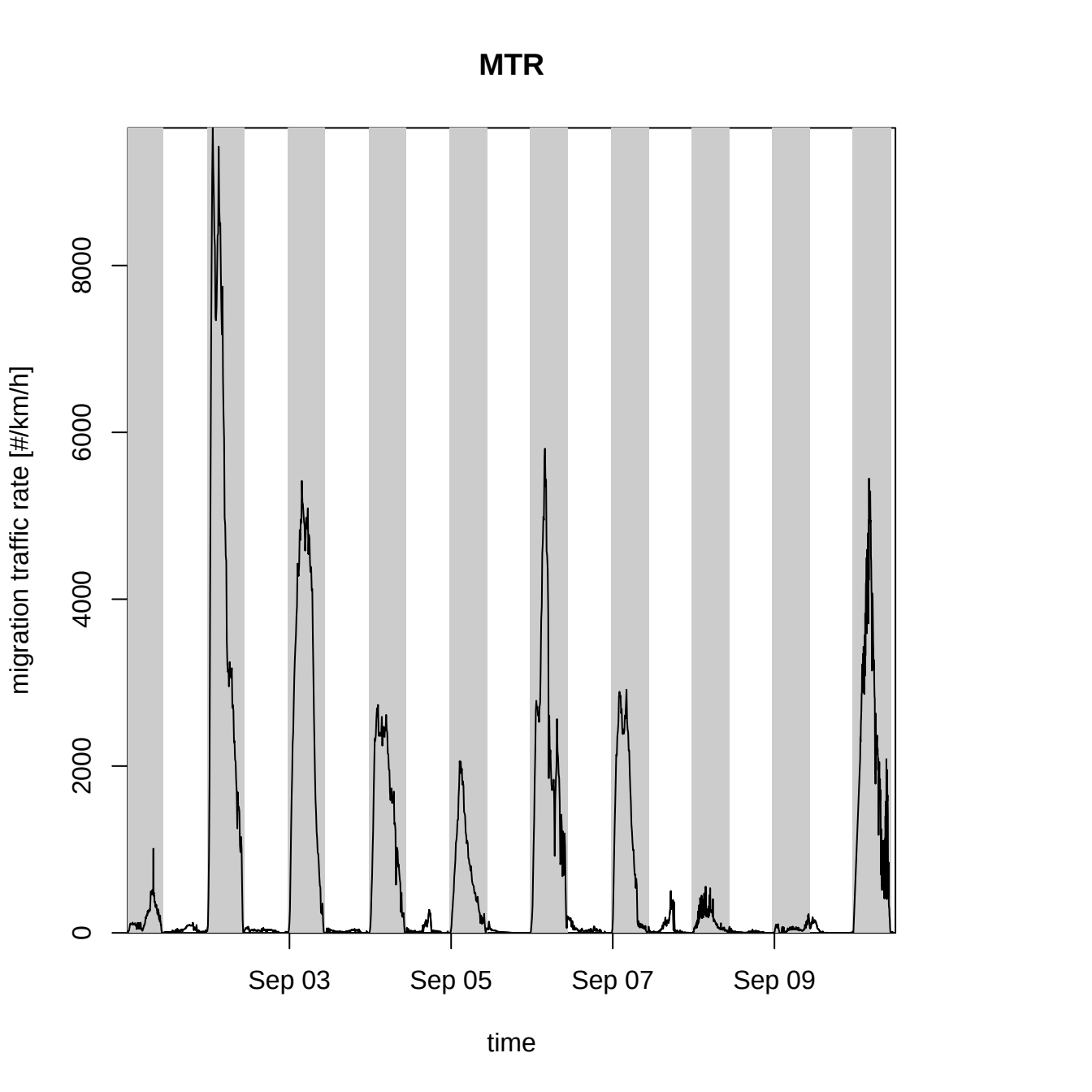

height [km]
0
1
2
3
4
5
−40
−30
−20
−10
0
total reflectivity factor [dBZe]

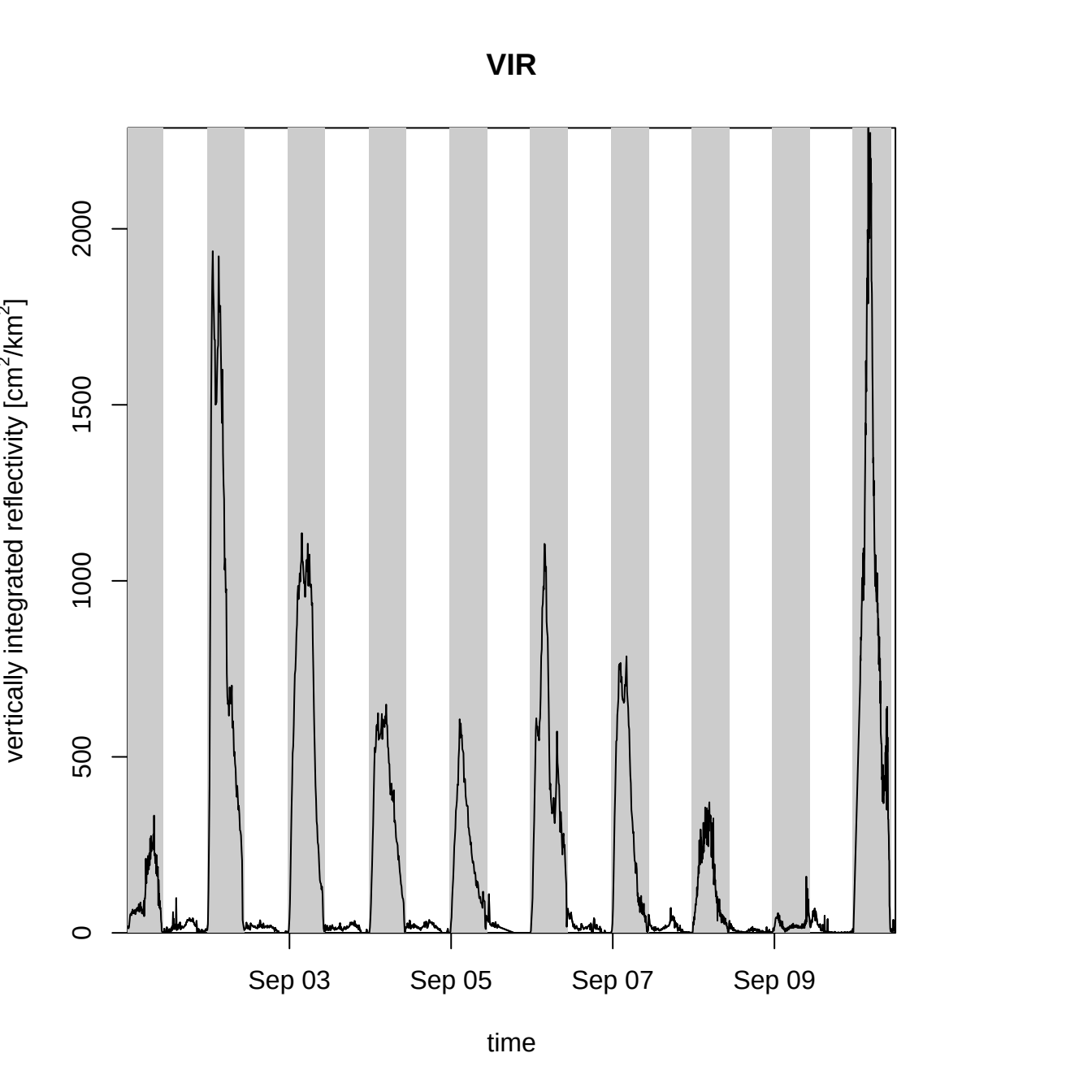

height [km]
0
1
2
3
4
5
0
20
40
60
80
100
volume density [#/km3]

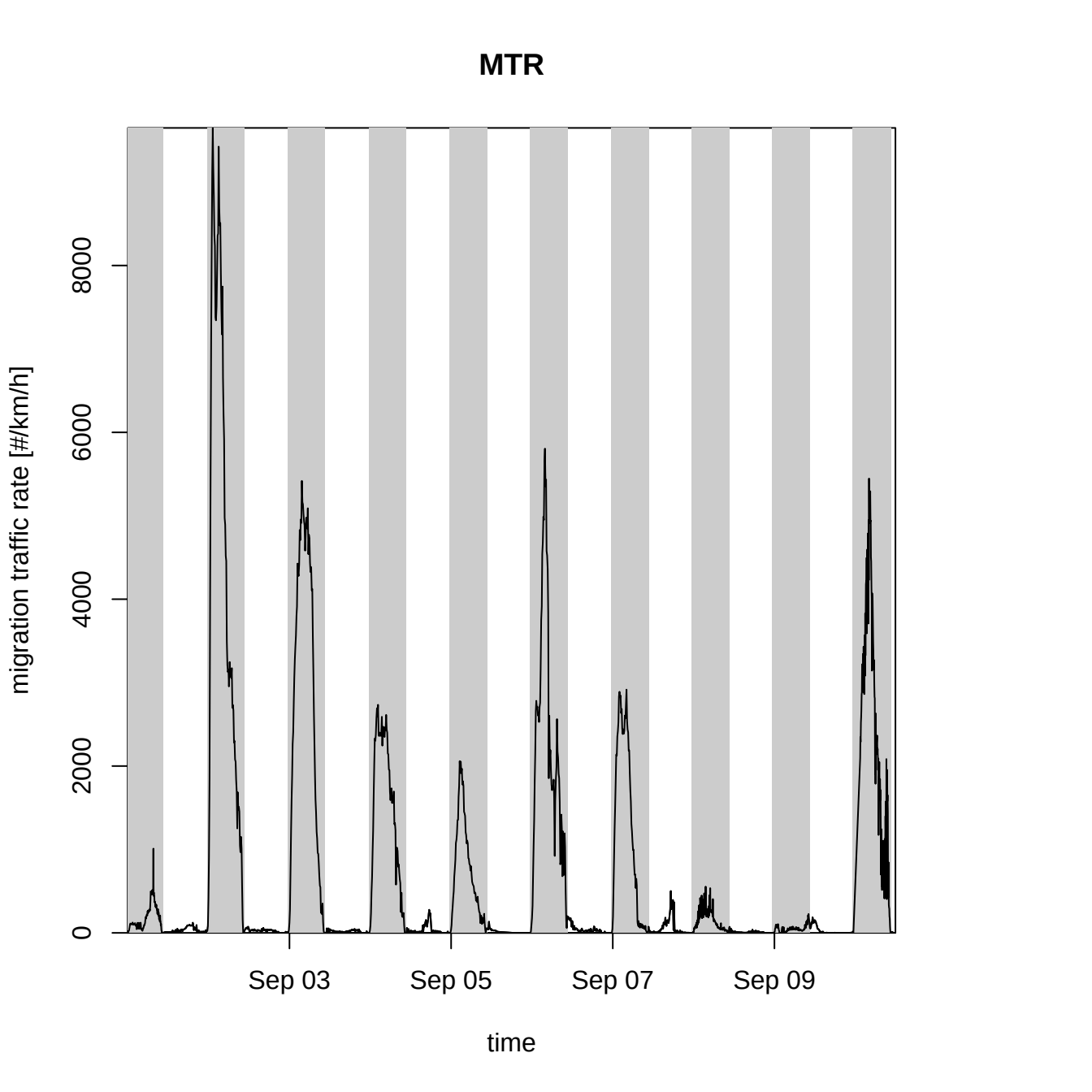

MTR
migration traffic rate [#/km/h]
0
2000
4000
6000
8000
Sep 03
Sep 05
Sep 07
Sep 09
time

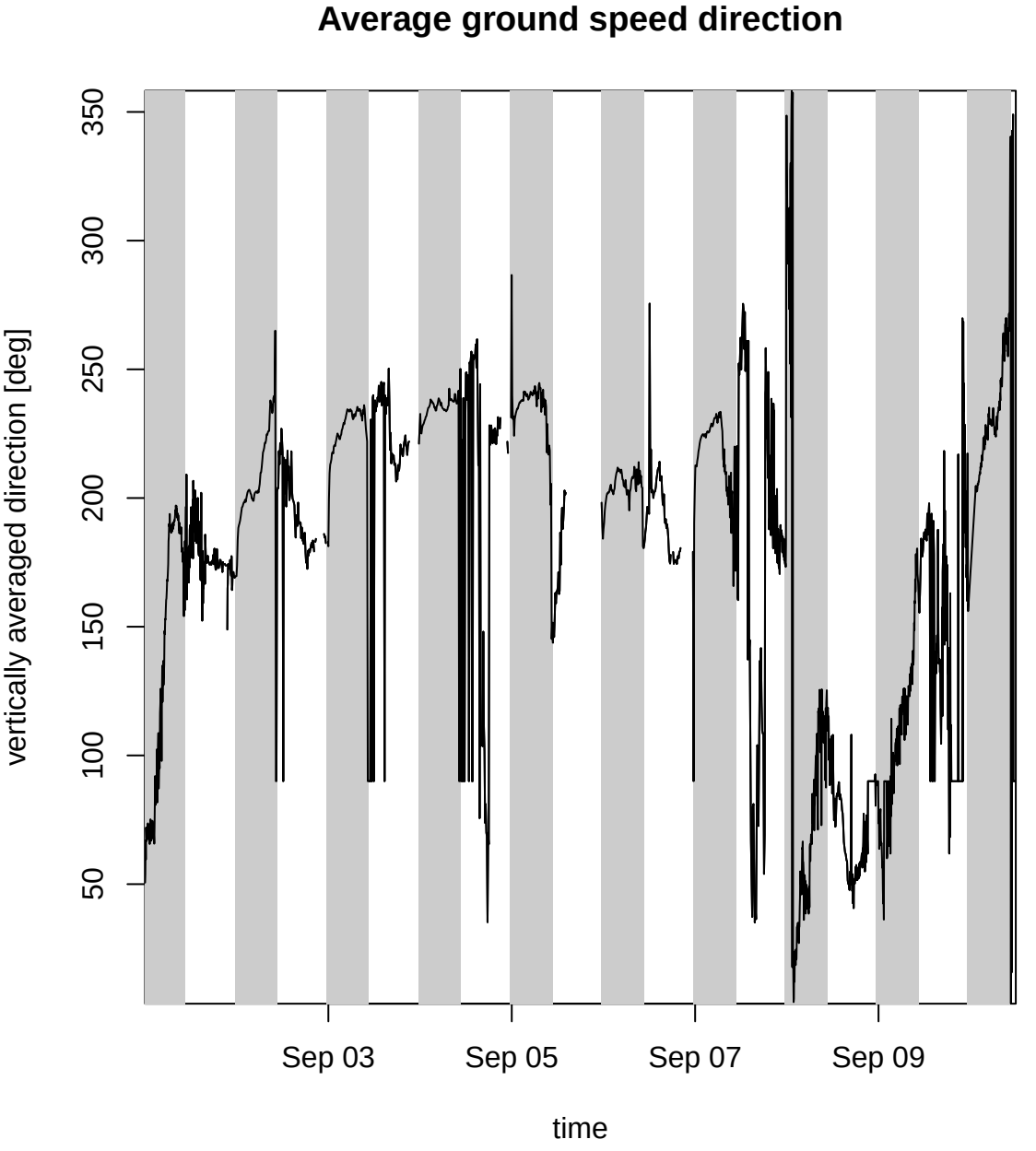

MTR
migration traffic rate [#/km/h]
0
2000
4000
6000
8000
Sep 03
Sep 05
Sep 07
Sep 09
time

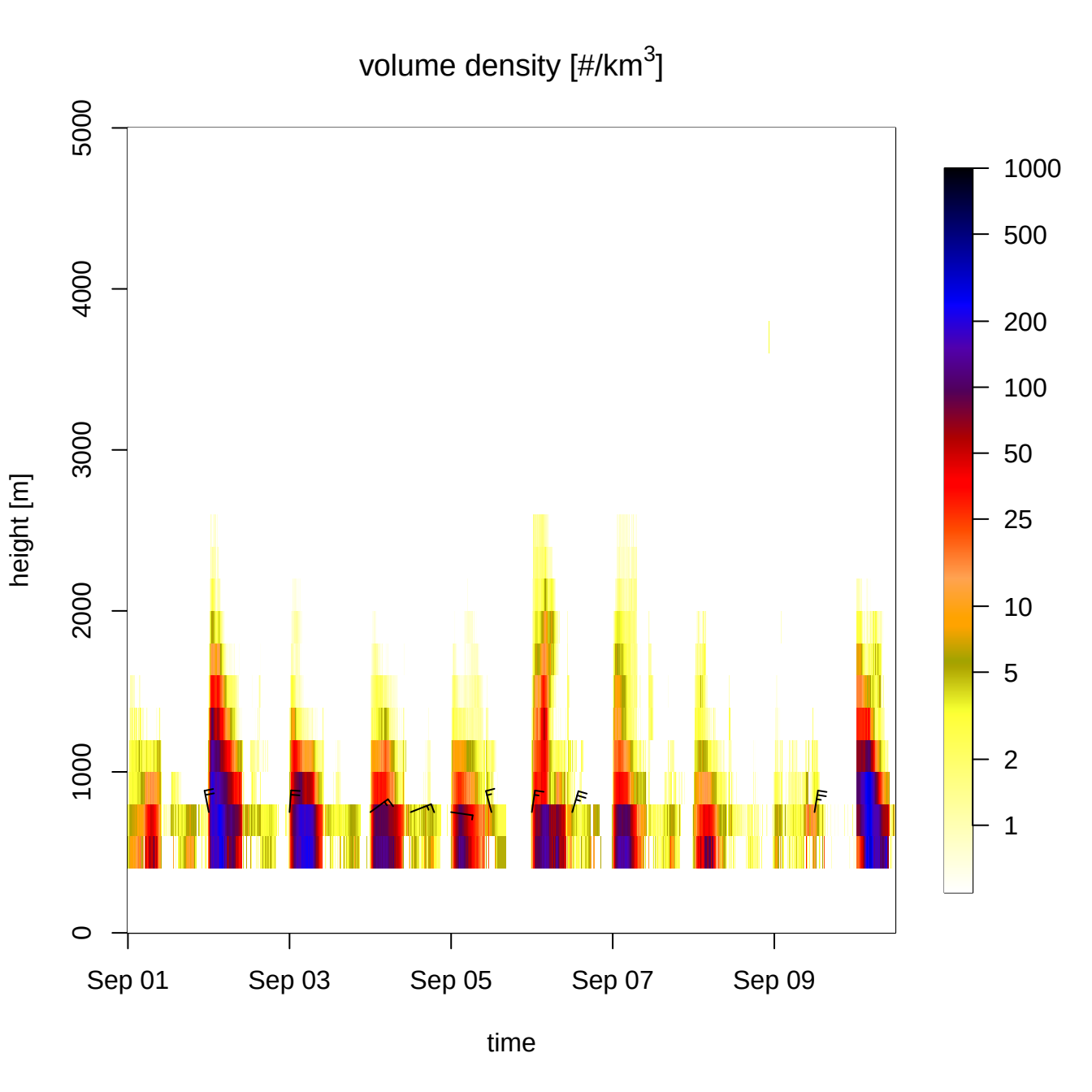

MTR
migration traffic rate [#/km/h]
0
2000
4000
6000
8000
Sep 03
Sep 05
Sep 07
Sep 09
time

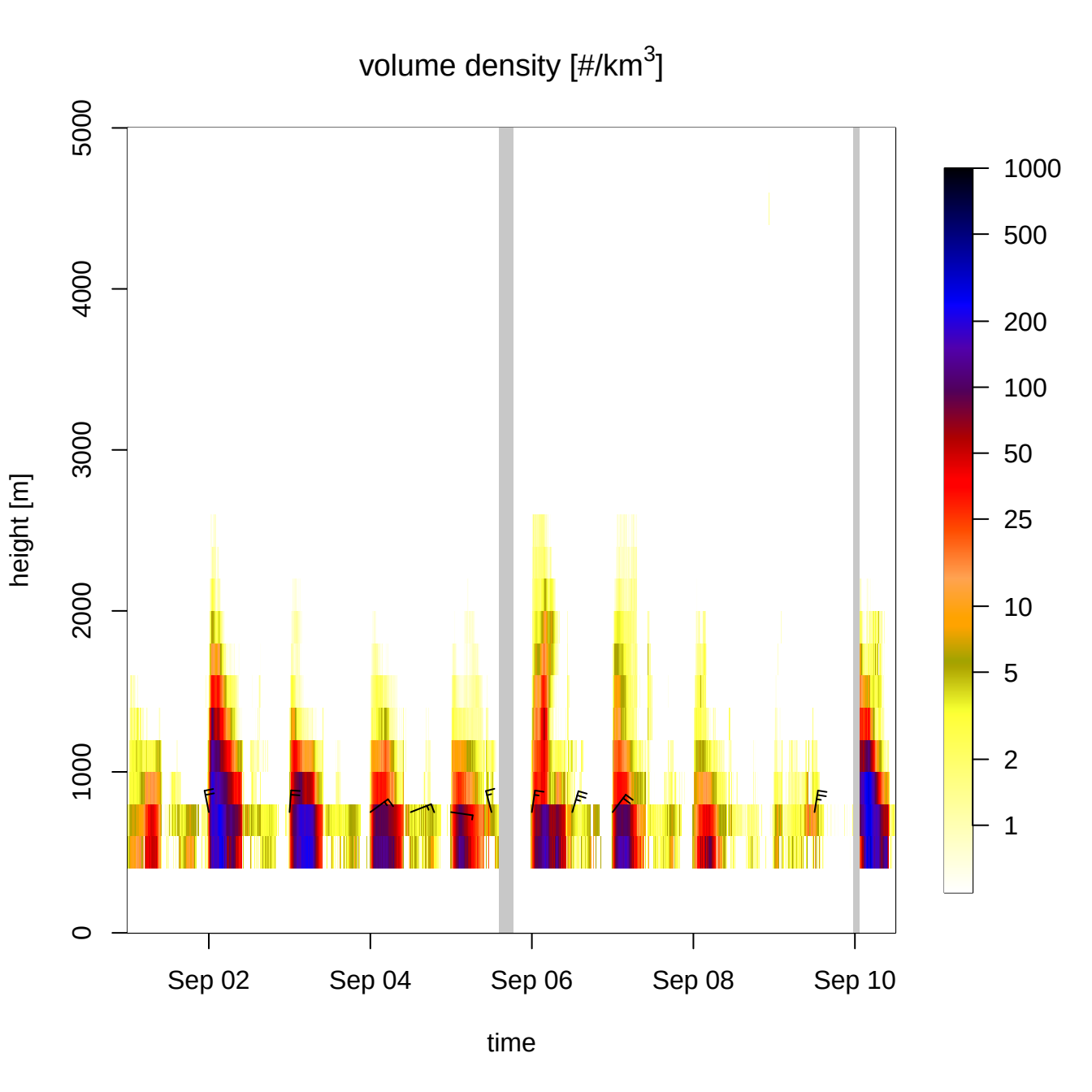

MTR
migration traffic rate [#/km/h]
0
2000
4000
6000
8000
Sep 03
Sep 05
Sep 07
Sep 09
time

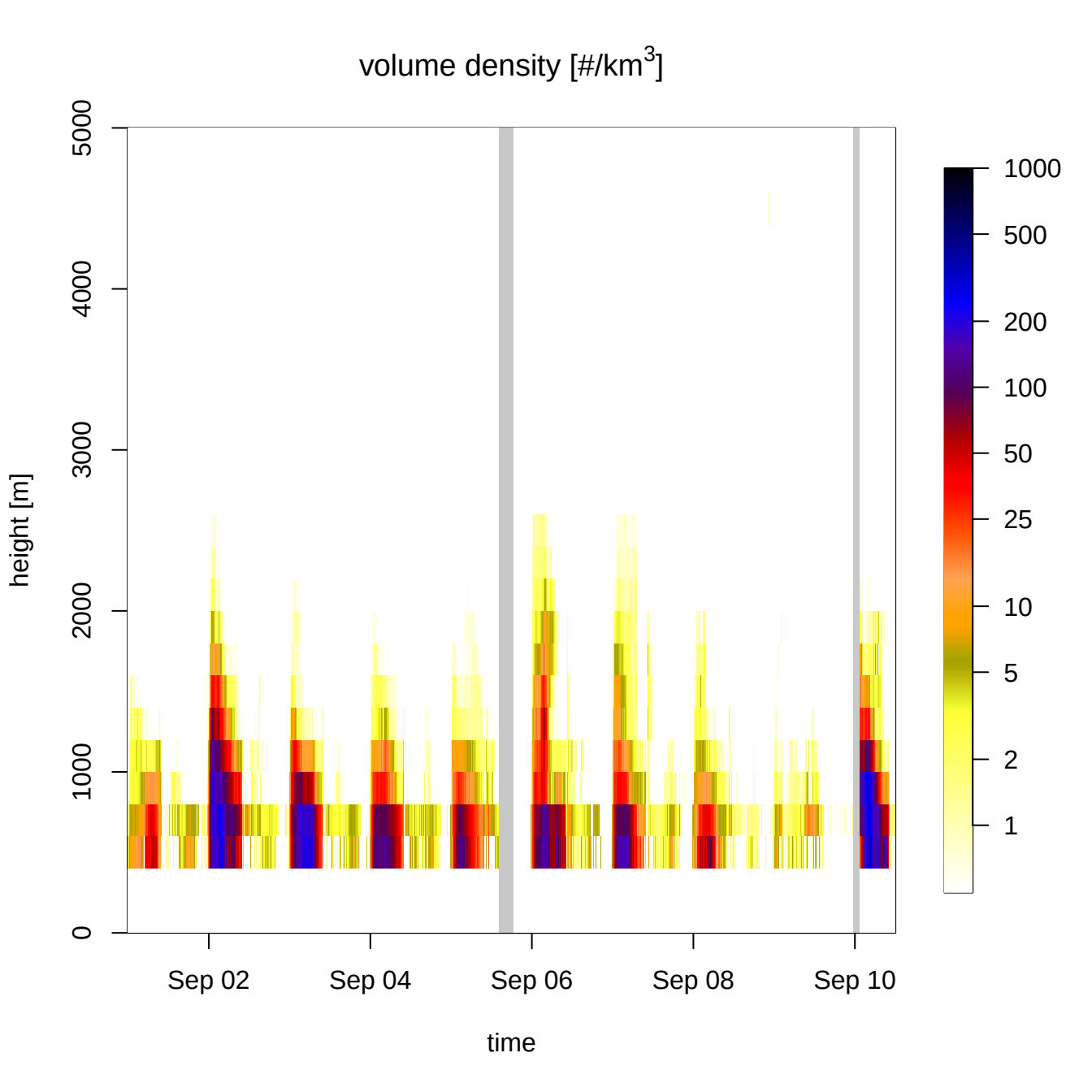

VIR
vertically integrated reflectivity [cm²/km²]
0
500
1000
1500
2000
Sep 03
Sep 05
Sep 07
Sep 09
time

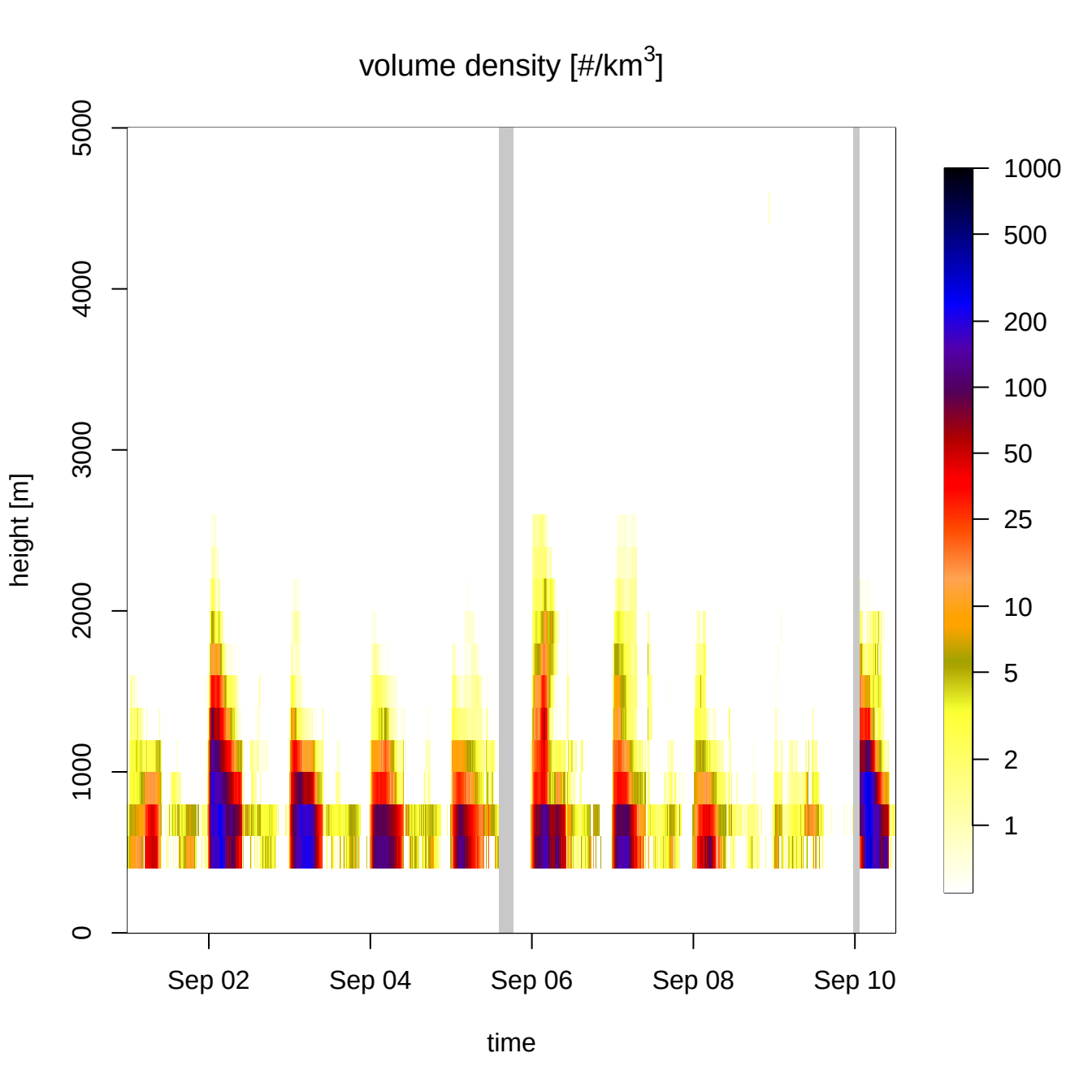

MTR
migration traffic rate [#/km/h]
0
2000
4000
6000
8000
Sep 03
Sep 05
Sep 07
Sep 09
time

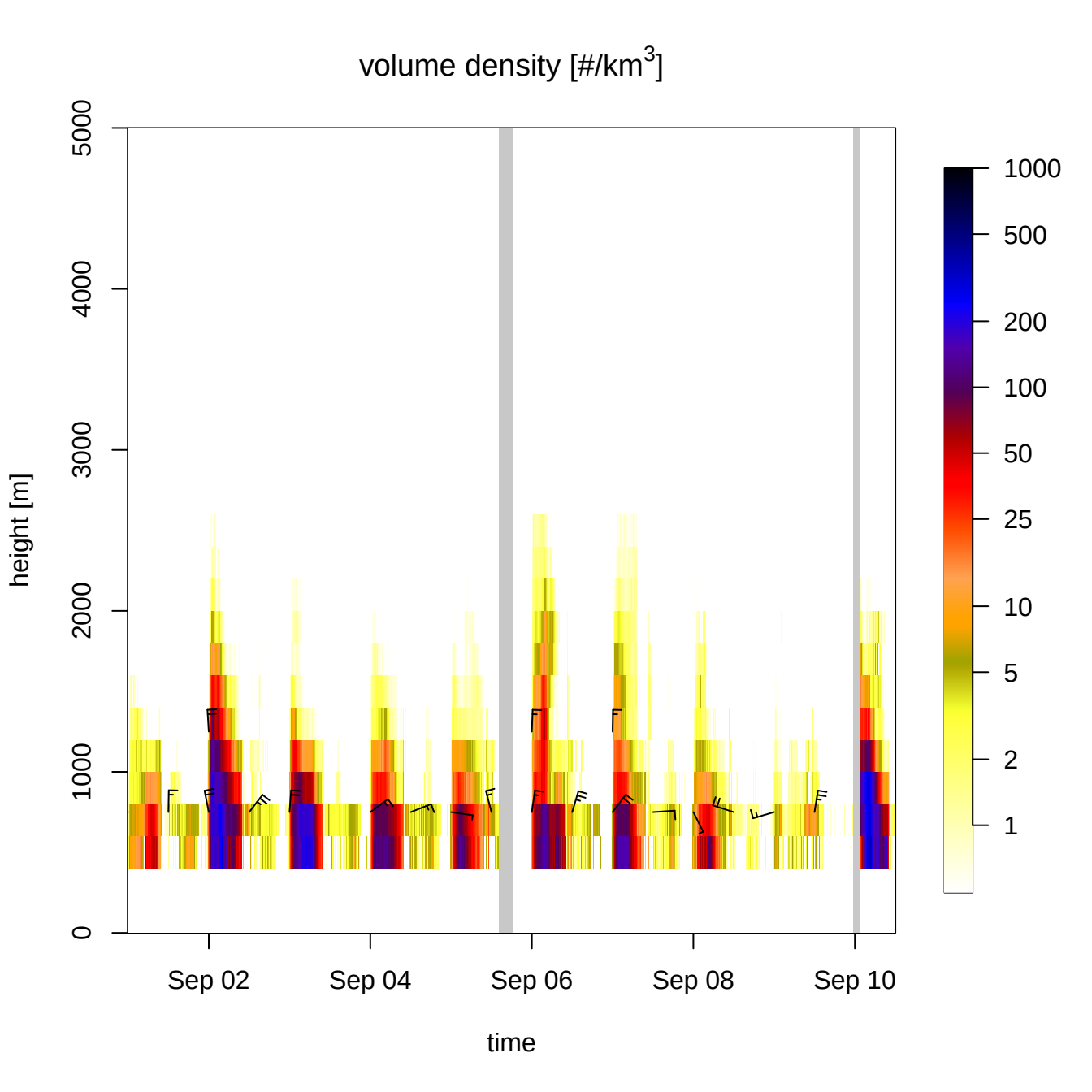

Average ground speed direction
vertically averaged direction [deg]
50
100
150
200
250
300
350
Sep 03
Sep 05
Sep 07
Sep 09
time

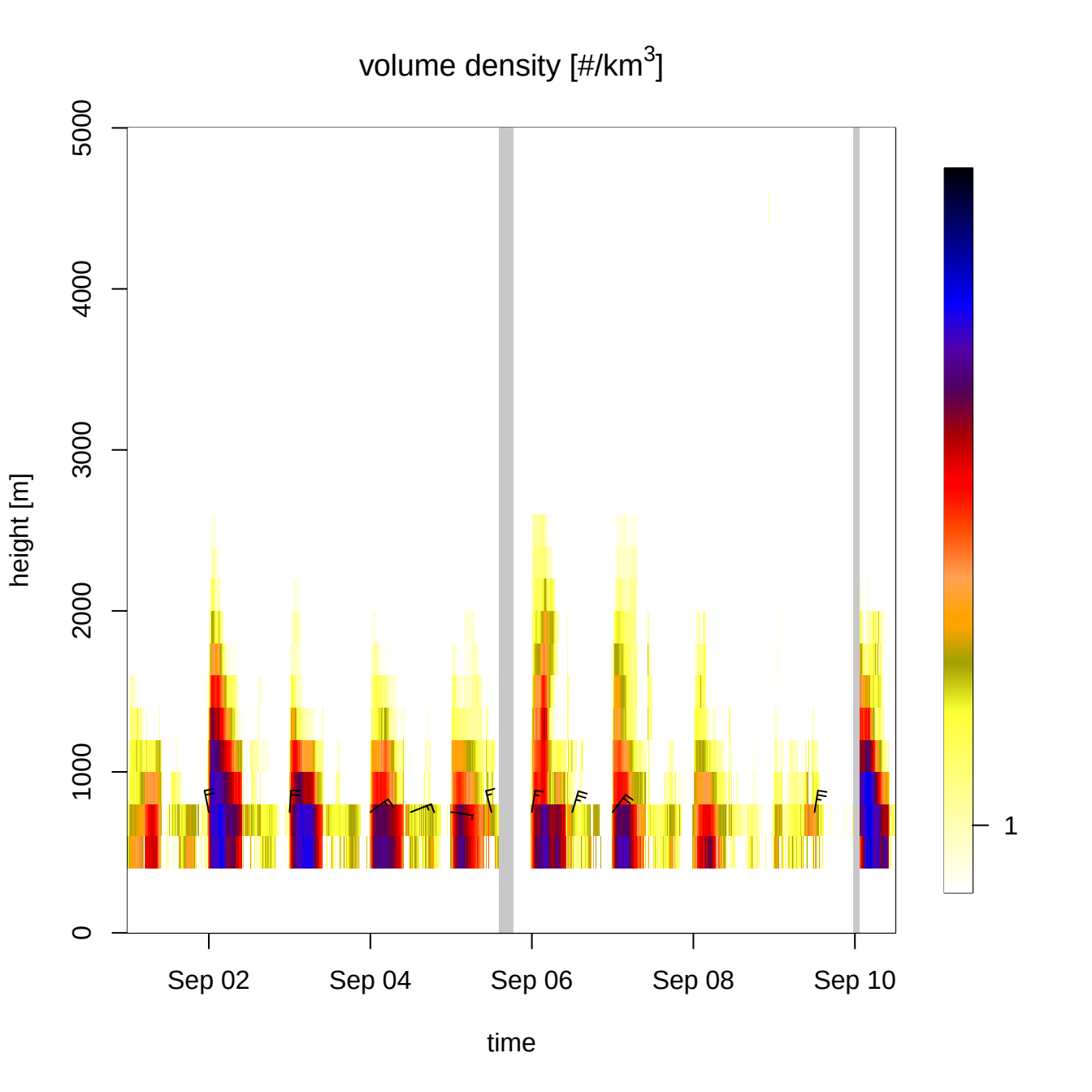

volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
time
1000
500
200
100
50
25
10
5
2
1

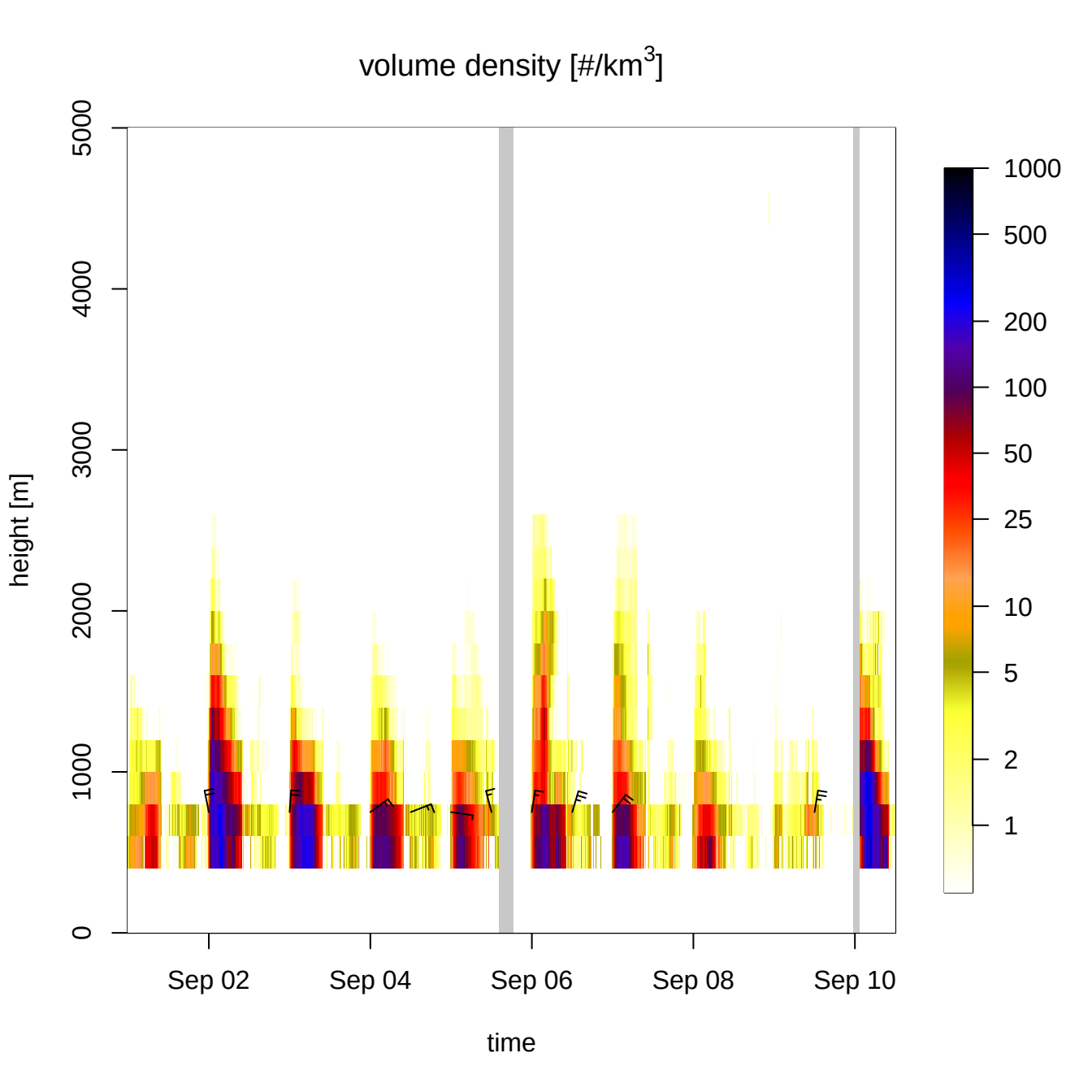

volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1

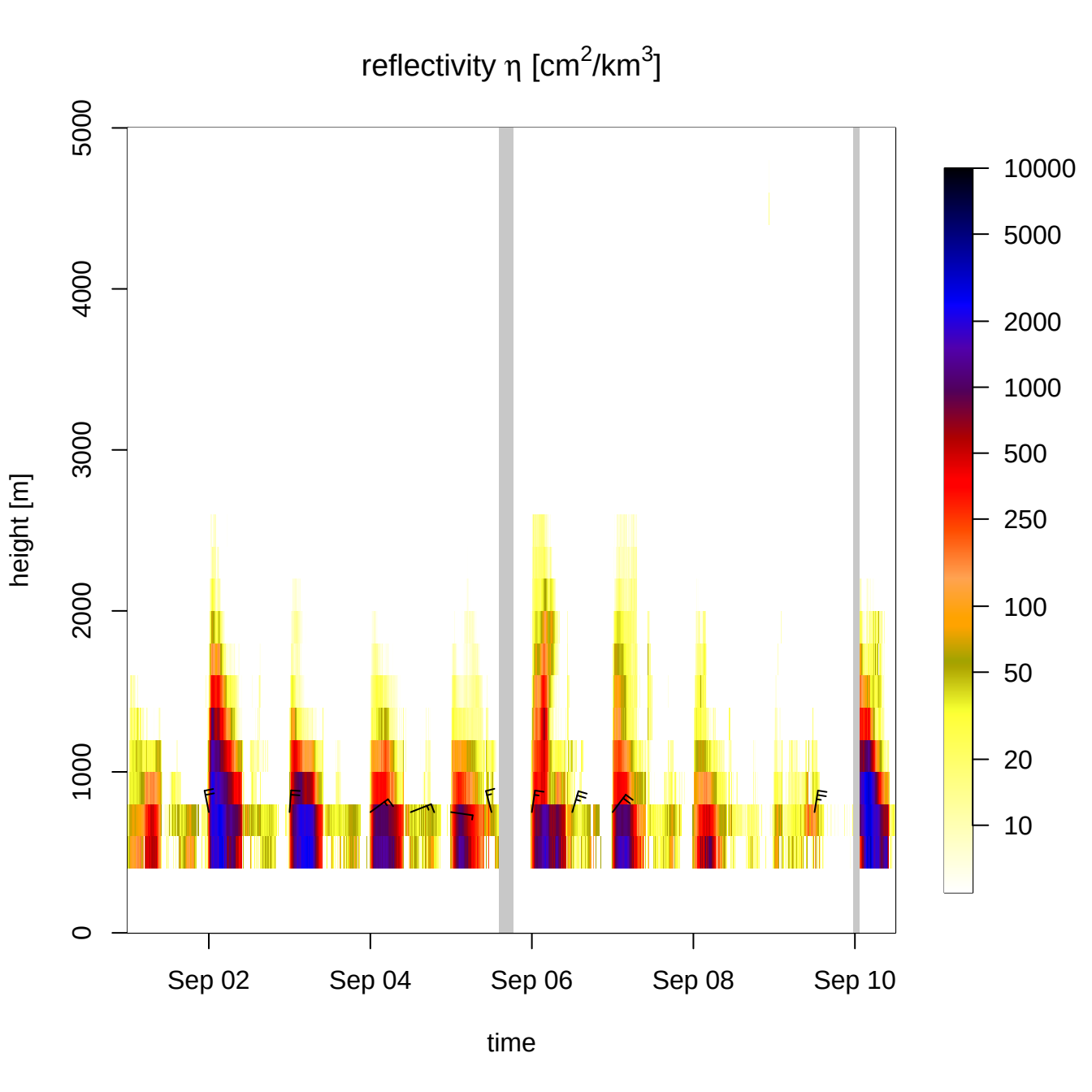

volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1

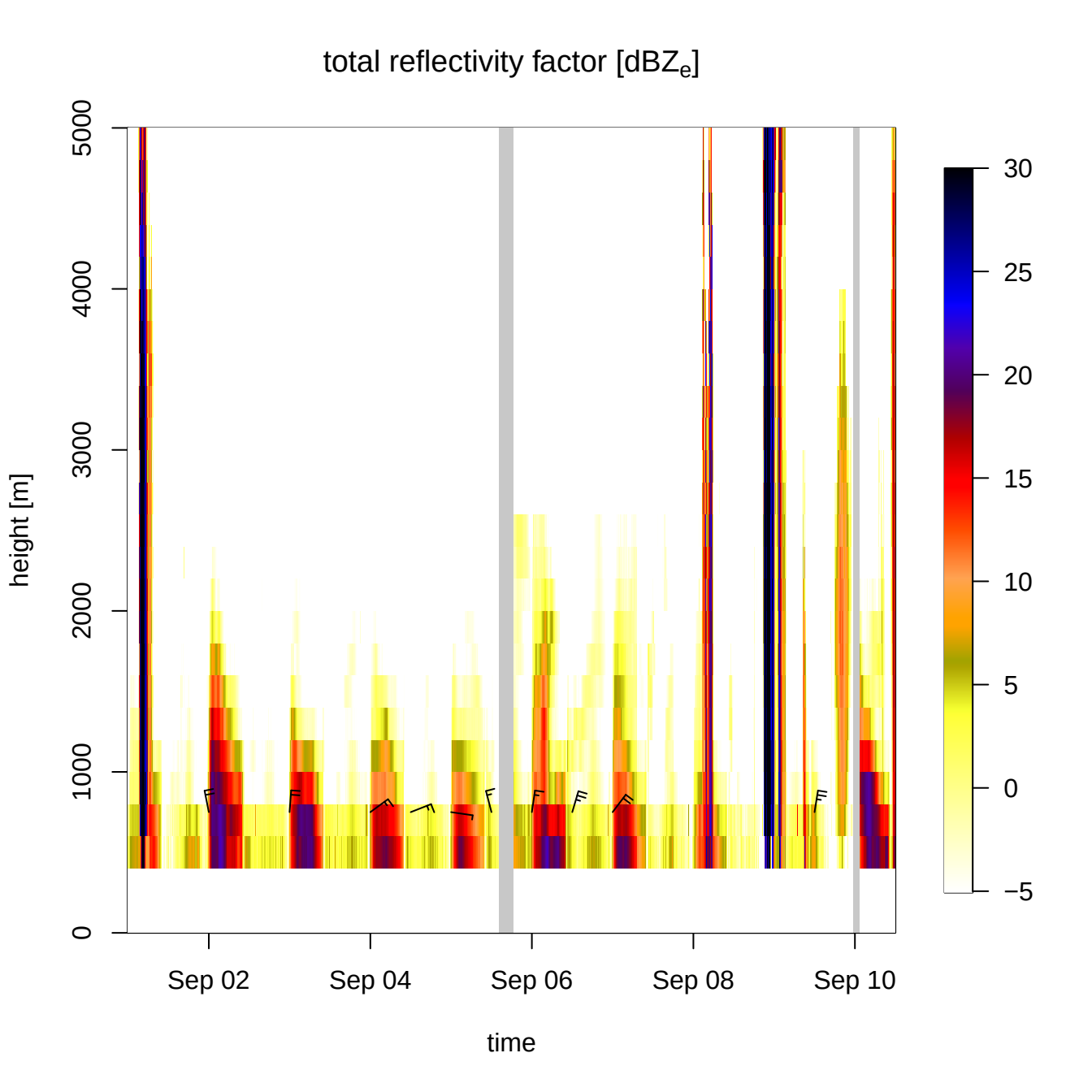

volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1


volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1


volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1


volume density [#/km3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
1000
500
200
100
50
25
10
5
2
1


reflectivity η [cm^2/km^3]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
10000
5000
2000
1000
500
250
100
50
20
10


total reflectivity factor [dBZe]
height [m]
0
1000
2000
3000
4000
5000
Sep 02
Sep 04
Sep 06
Sep 08
Sep 10
time
30
25
20
15
10
5
0
−5