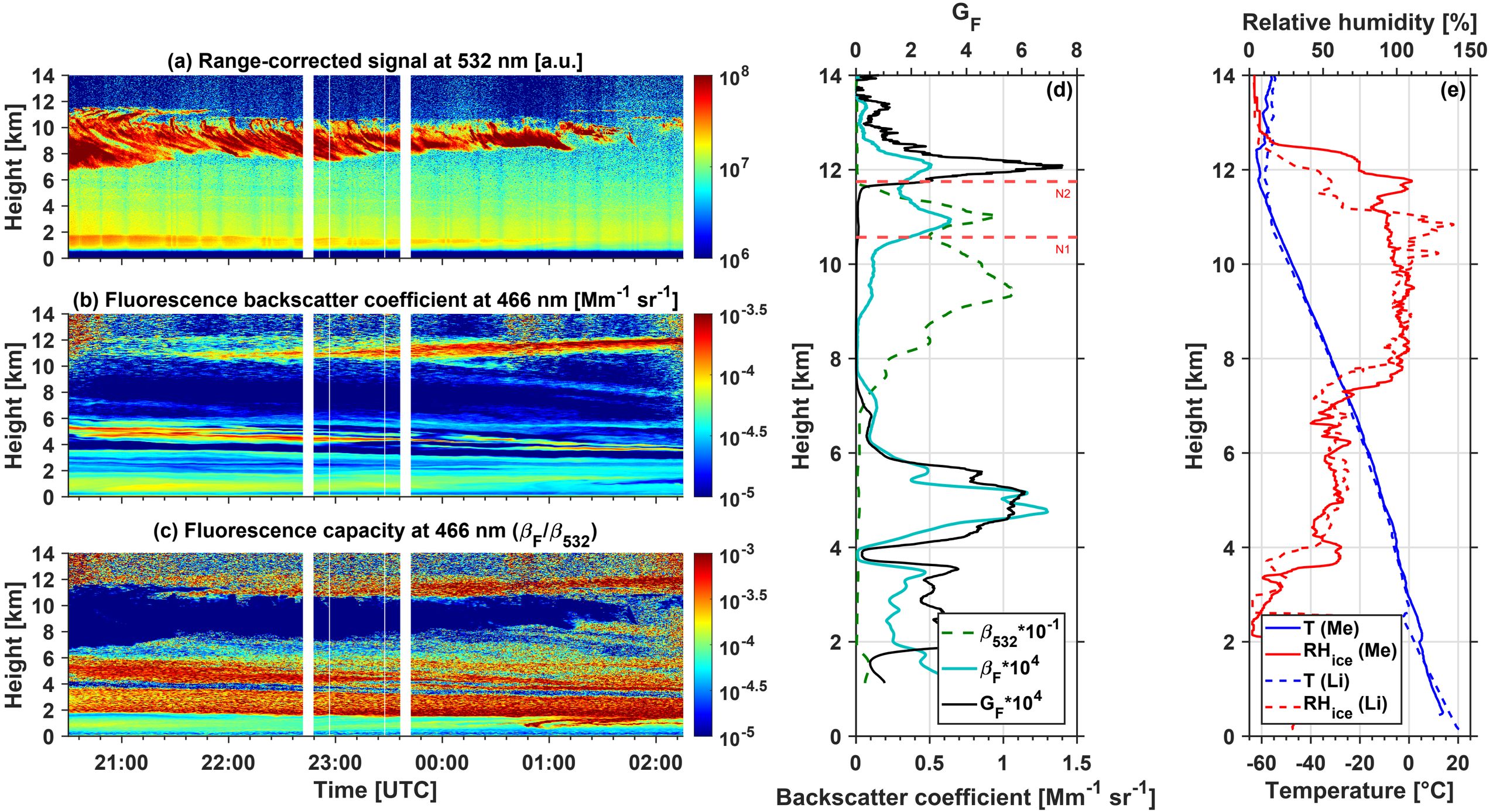
(a) Range-corrected signal at 532 nm [a.u.]
(b) Fluorescence backscatter coefficient at 466 nm [Mm^{-1} sr^{-1}]
(c) Fluorescence capacity at 466 nm (β_F/β_{532})
Height [km]
Time [UTC]
21:00
22:00
23:00
00:00
01:00
02:00
10^8
10^7
10^6
$10^{-3.5}$
10^{-4}
$10^{-4.5}$
10^{-5}
10^{-3}
G_F
(d)
N2
N1
β_{532}*10^{-1}
β_F*10^4
G_F*10^4
Backscatter coefficient [Mm^{-1} sr^{-1}]
Relative humidity [%]
(e)
T (Me)
RH_{ice} (Me)
T (Li)
RH_{ice} (Li)
Temperature [°C]