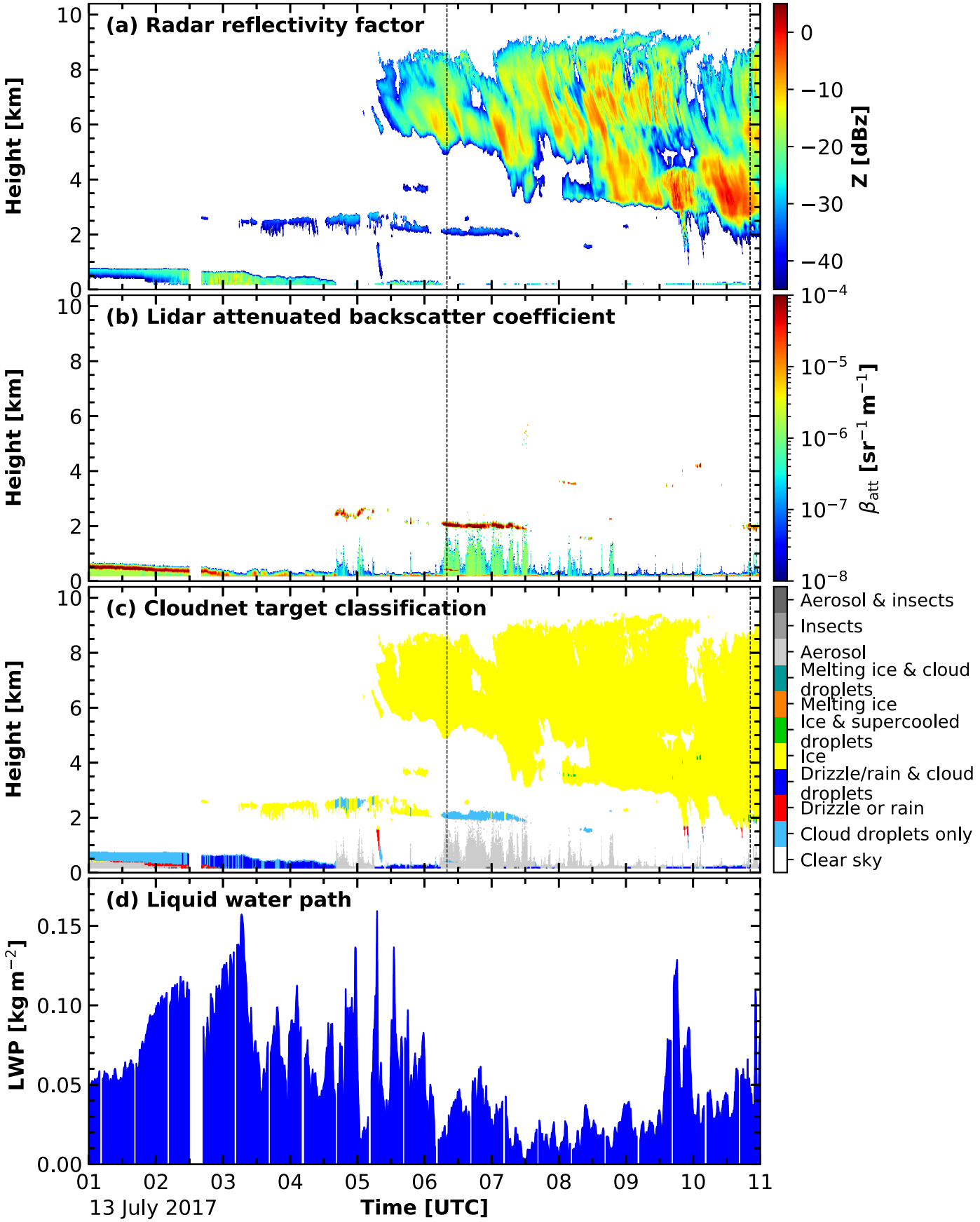
(a) Radar reflectivity factor
Height [km]
Z [dBz]
0
−10
−20
−30
−40
(b) Lidar attenuated backscatter coefficient
β_{att} [sr^{-1} m^{-1}]
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
(c) Cloudnet target classification
Aerosol & insects
Insects
Aerosol
Melting ice & cloud droplets
Melting ice
Ice & supercooled droplets
Ice
Drizzle/rain & cloud droplets
Drizzle or rain
Cloud droplets only
Clear sky
(d) Liquid water path
LWP [kg m^{-2}]
0.00
0.05
0.10
0.15
01
02
03
04
05
06
07
08
09
10
11
13 July 2017
Time [UTC]