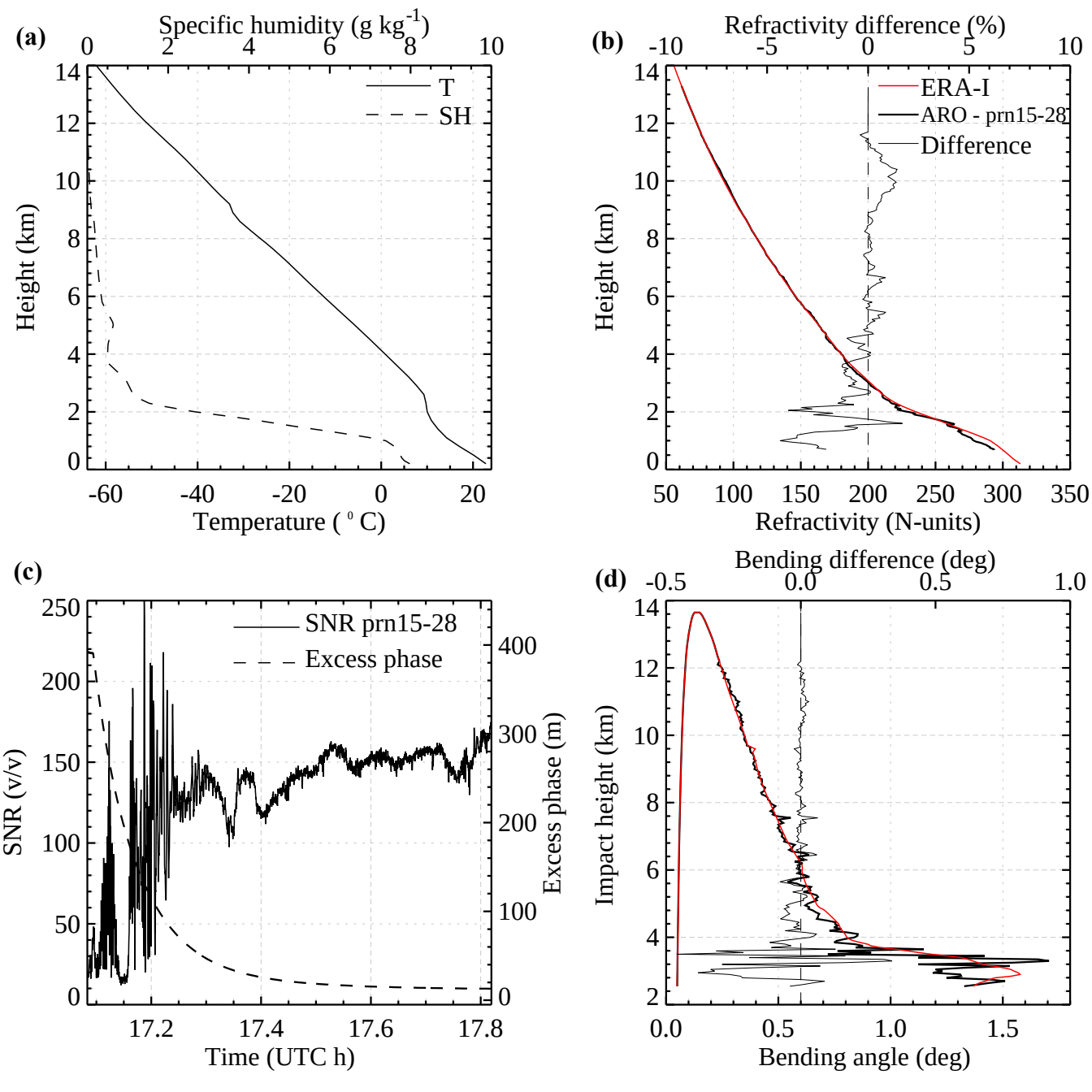
(a)
Specific humidity (g kg-1)
0
2
4
6
8
10
T
SH
Height (km)
14
12
10
8
6
4
2
0
-60
-40
-20
0
20
Temperature (⁰ C)
(b)
Refractivity difference (%)
-10
-5
0
5
10
ERA-I
ARO - prn15-28
Difference
Height (km)
50
100
150
200
250
300
350
Refractivity (N-units)
(c)
SNR prn15-28
Excess phase
SNR (v/v)
250
200
150
100
50
0
400
300
200
100
0
Excess phase (m)
17.2
17.4
17.6
17.8
Time (UTC h)
(d)
Bending difference (deg)
-0.5
0.0
0.5
1.0
Impact height (km)
0.0
0.5
1.0
1.5
Bending angle (deg)