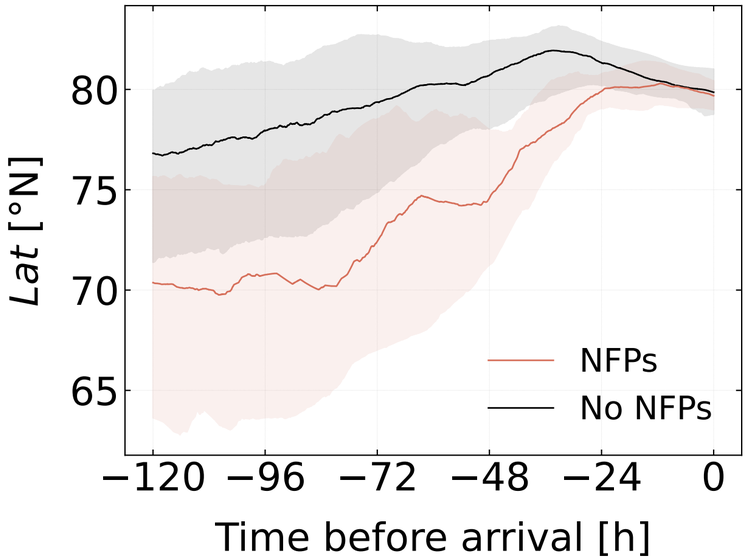
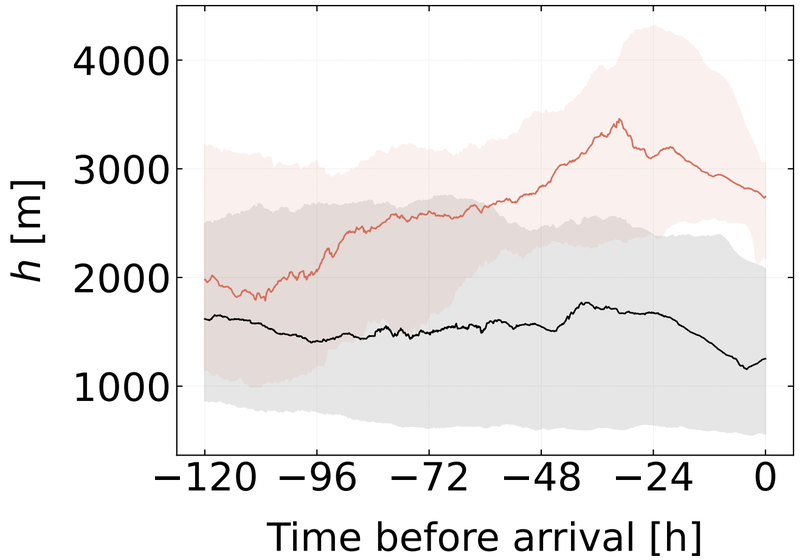
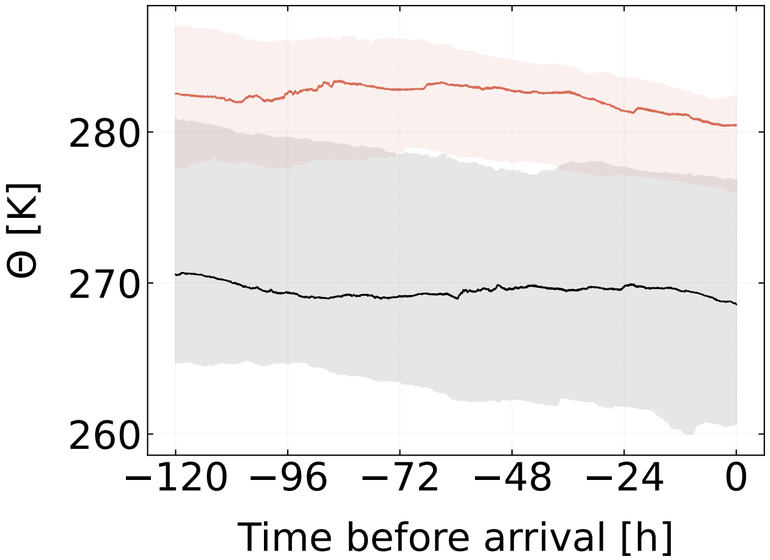
(a)


80
75
70
65
Lat [°N]
NFPs
No NFPs
−120 −96 −72 −48 −24 0
Time before arrival [h]

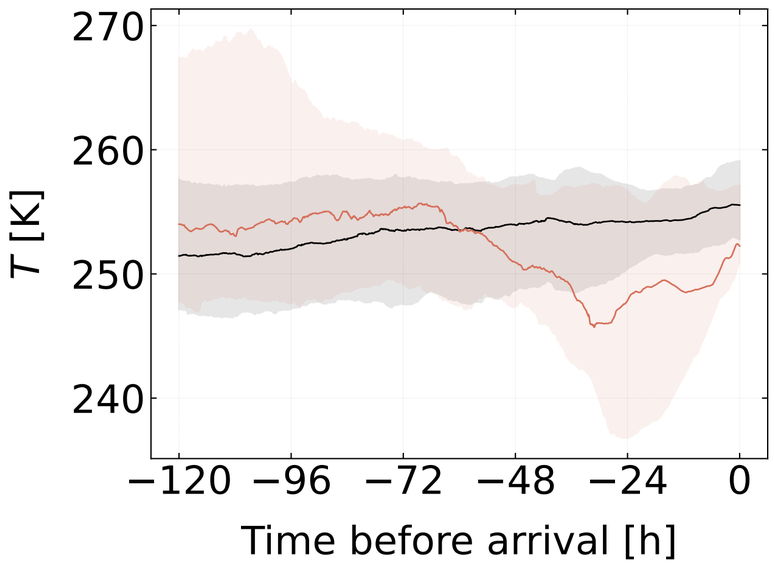
(b)


4000
3000
2000
1000
h [m]
−120 −96 −72 −48 −24 0
Time before arrival [h]

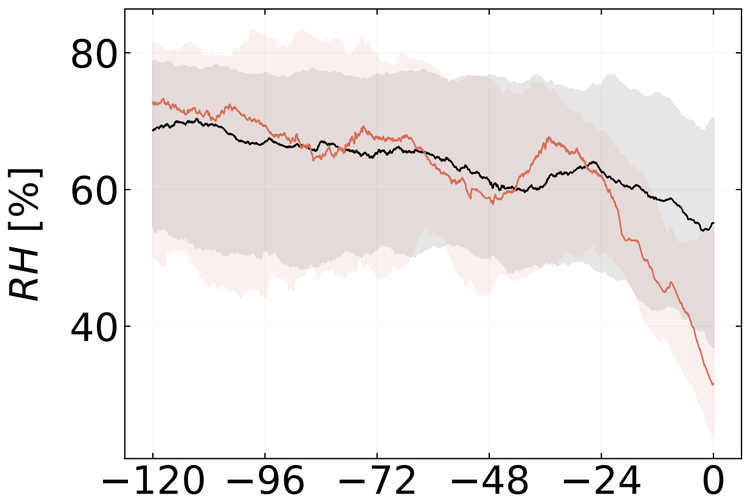
(c)


280
270
260
Θ [K]
−120 −96 −72 −48 −24 0
Time before arrival [h]

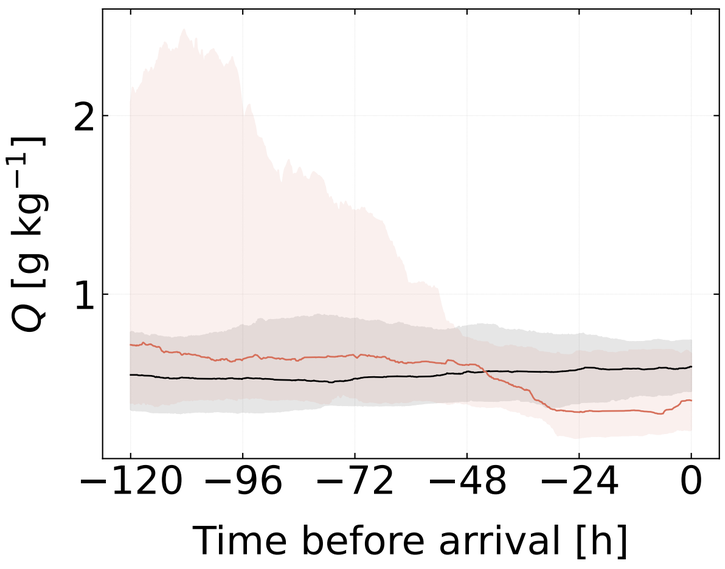
(d)


270
260
250
240
T [K]
−120 −96 −72 −48 −24 0
Time before arrival [h]

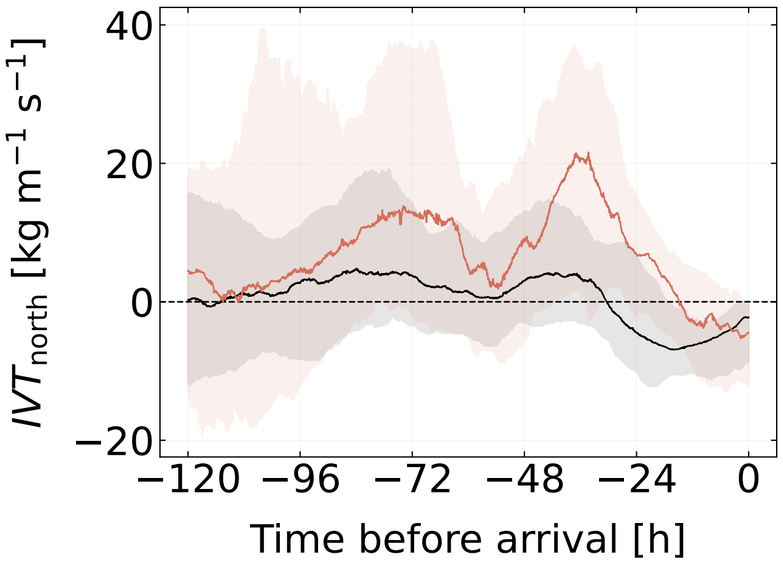
(e)


80
60
40
RH [%]
−120 −96 −72 −48 −24 0
Time before arrival [h]

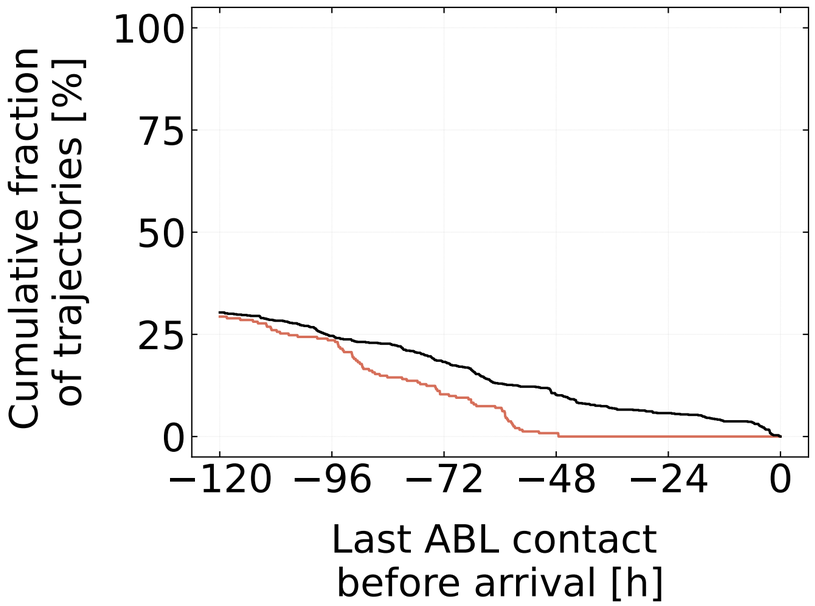
(f)


2
1
Q [g kg⁻¹]
−120 −96 −72 −48 −24 0
Time before arrival [h]

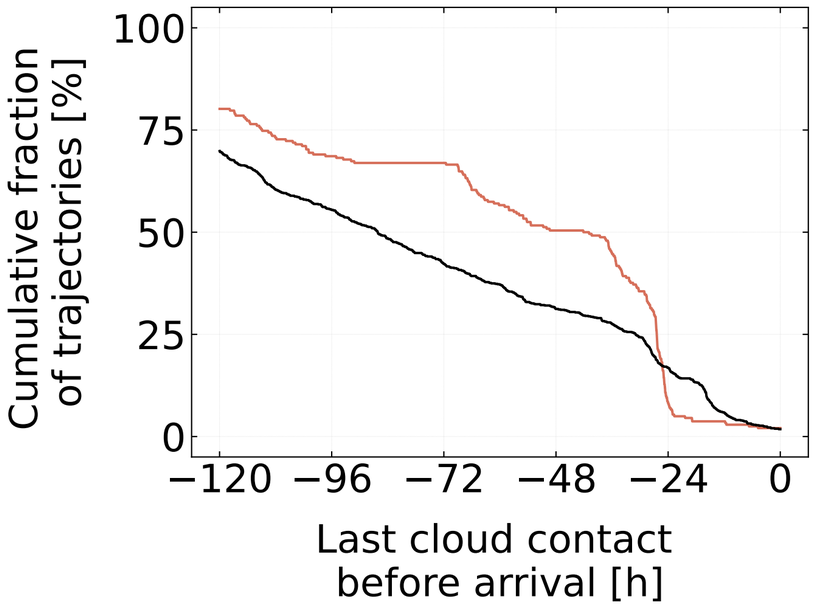
(g)


40
20
0
−20
IVT north [kg m⁻¹ s⁻¹]
−120 −96 −72 −48 −24 0
Time before arrival [h]

(h)


100
75
50
25
0
Cumulative fraction of trajectories [%]
−120 −96 −72 −48 −24 0
Last ABL contact before arrival [h]

(i)


100
75
50
25
0
Cumulative fraction of trajectories [%]
−120 −96 −72 −48 −24 0
Last cloud contact before arrival [h]