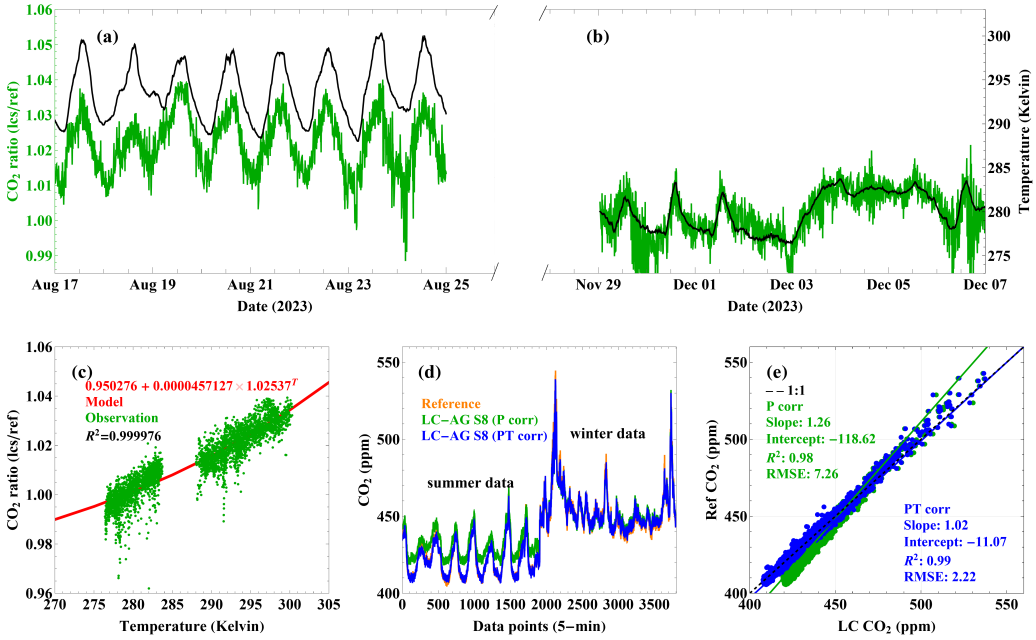

(a)
CO2 ratio (lcs/ref)
1.06
1.05
1.04
1.03
1.02
1.01
1.00
0.99
Aug 17
Aug 19
Aug 21
Aug 23
Aug 25
Date (2023)
(b)
Temperature (Kelvin)
300
295
290
285
280
275
Nov 29
Dec 01
Dec 03
Dec 05
Dec 07
Date (2023)
(c)
0.950276 + 0.0000457127 × 1.02537^T
Model
Observation
R2=0.999976
CO2 ratio (lcs/ref)
1.06
1.04
1.02
1.00
0.98
0.96
270
275
280
285
290
295
300
305
Temperature (Kelvin)
(d)
Reference
LC−AG S8 (P corr)
LC−AG S8 (PT corr)
winter data
summer data
CO2 (ppm)
550
500
450
400
0
500
1000
1500
2000
2500
3000
3500
Data points (5−min)
(e)
−− 1:1
P corr
Slope: 1.26
Intercept: −118.62
R2: 0.98
RMSE: 7.26
PT corr
Slope: 1.02
Intercept: −11.07
R2: 0.99
RMSE: 2.22
Ref CO2 (ppm)
550
500
450
400
400
450
500
550
LC CO2 (ppm)