

Supplement of Atmos. Meas. Tech., 13, 3595–3607, 2020
<https://doi.org/10.5194/amt-13-3595-2020-supplement>
© Author(s) 2020. This work is distributed under
the Creative Commons Attribution 4.0 License.



Supplement of

In situ measurement of CO₂ and CH₄ from aircraft over northeast China and comparison with OCO-2 data

Xiaoyu Sun et al.

Correspondence to: Minzheng Duan (dmz@mail.iap.ac.cn)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.

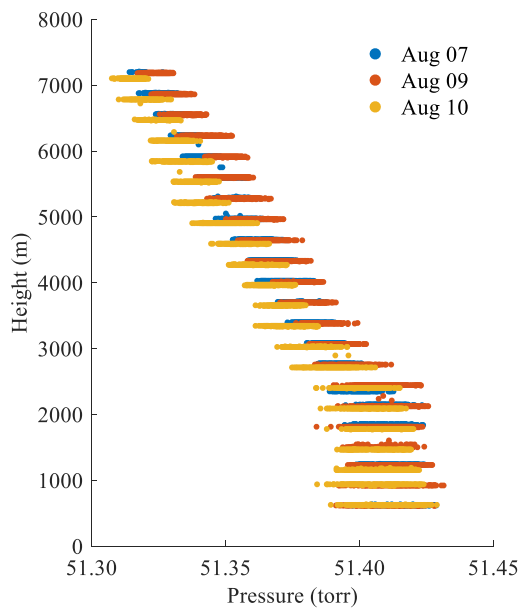


Figure 1. The cell pressure of UGGA during the level flight on 7, 9, 10 August, 2018

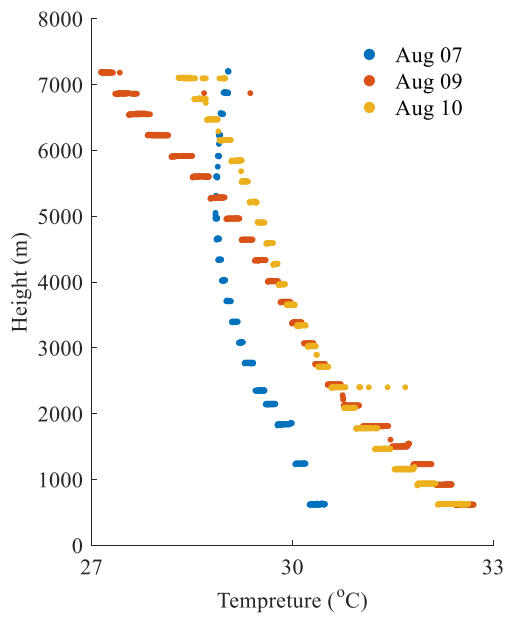


Figure 2. The cell temperature of UGGA during the level flight on 7, 9, 10 August, 2018

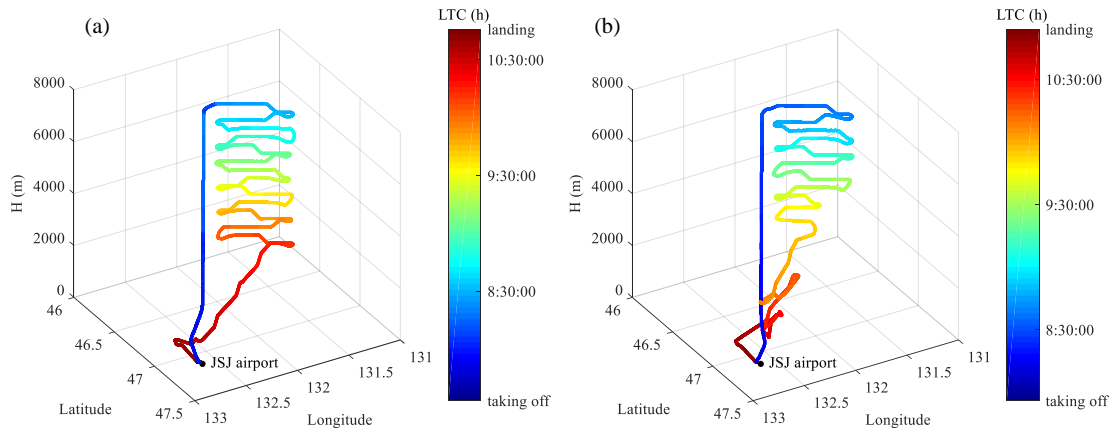


Figure 3. Flight trajectory on (a) 9 August and (b) 10 August.

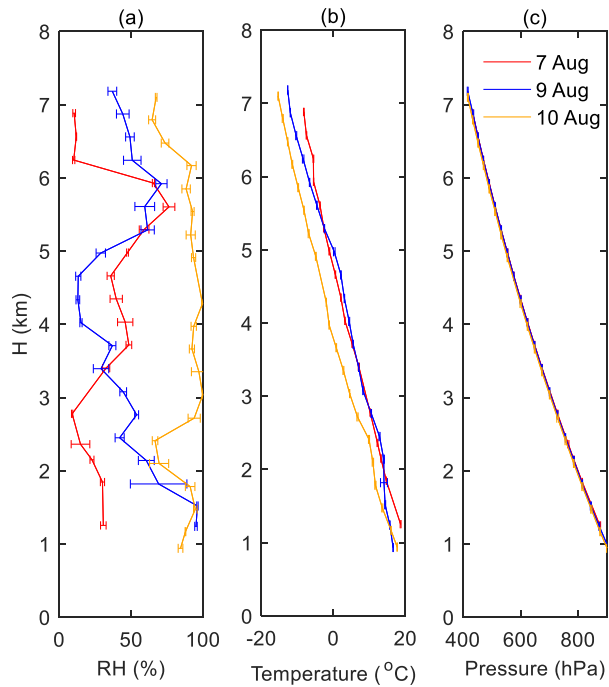


Figure 4. (a) RH, (b) temperature and (c) pressure profiles during the flight on 7, 9, 10 August. $1-\sigma$ of the data in the level flight is taken as the uncertainty, shown as the uncertainty bar in the figure. The data process of the meteorology data are the same as that of CO₂ and CH₄.

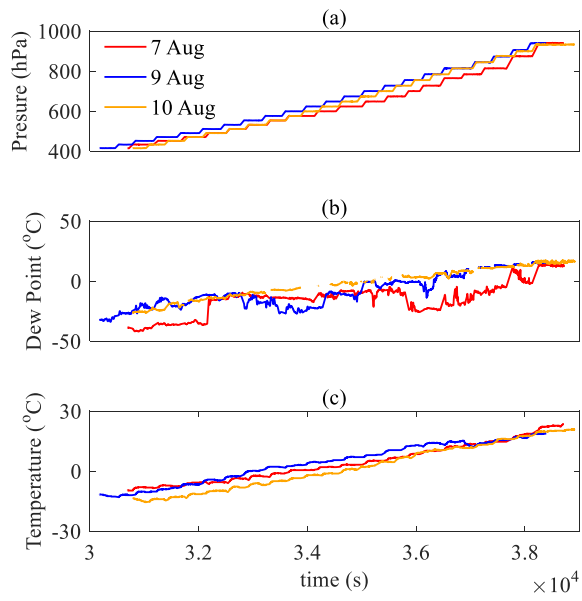


Figure 5. Time-series measured (a) pressure, (b) dew point and (c) temperature during the flight on 7, 9, 10 August.