

Supplement of Atmos. Chem. Phys., 17, 531–549, 2017
<http://www.atmos-chem-phys.net/17/531/2017/>
doi:10.5194/acp-17-531-2017-supplement
© Author(s) 2017. CC Attribution 3.0 License.



Atmospheric
Chemistry
and Physics
Open Access
EGU

Supplement of

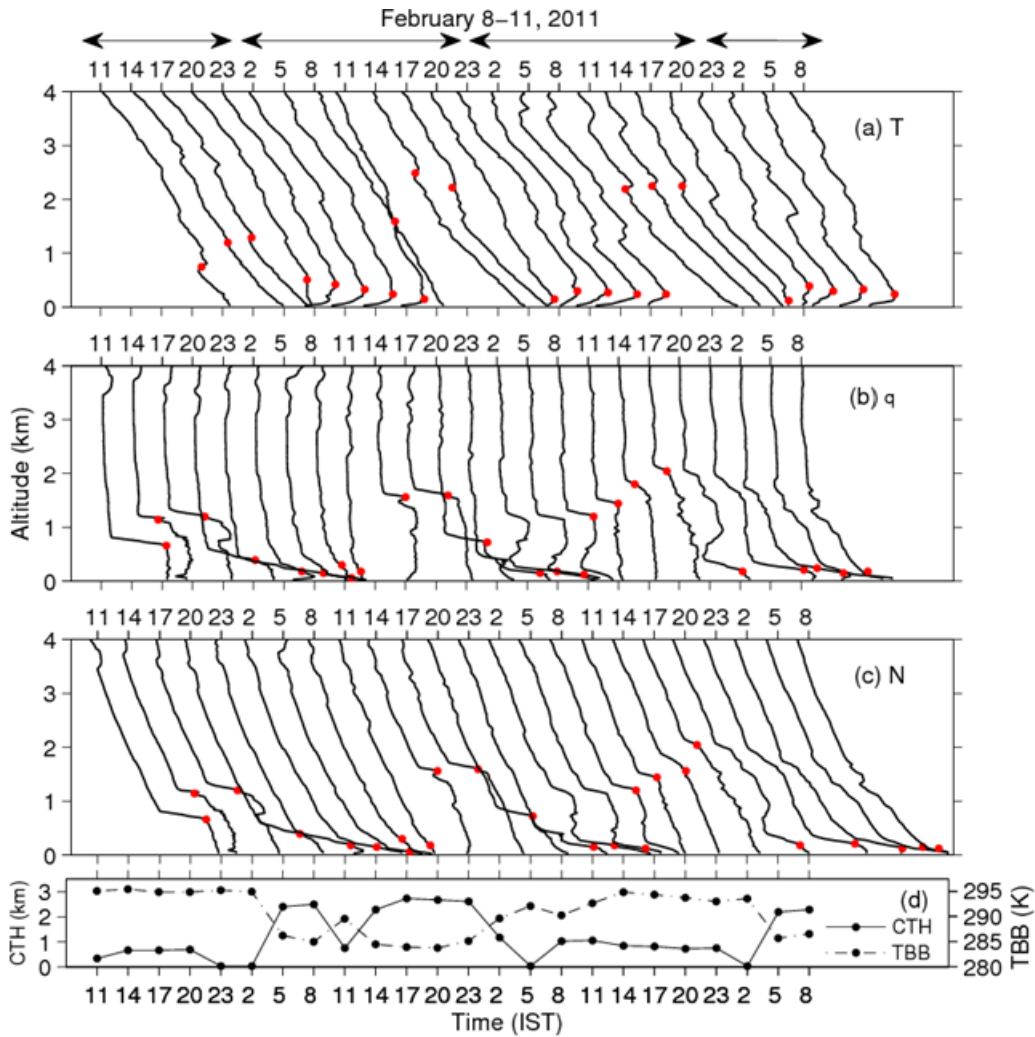
Diurnal variability of the atmospheric boundary layer height over a tropical station in the Indian monsoon region

Sanjay Kumar Mehta et al.

Correspondence to: Sanjay Kumar Mehta (sanjaykumar.r@res.srmuniv.ac.in, ksanjaym@gmail.com)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

1



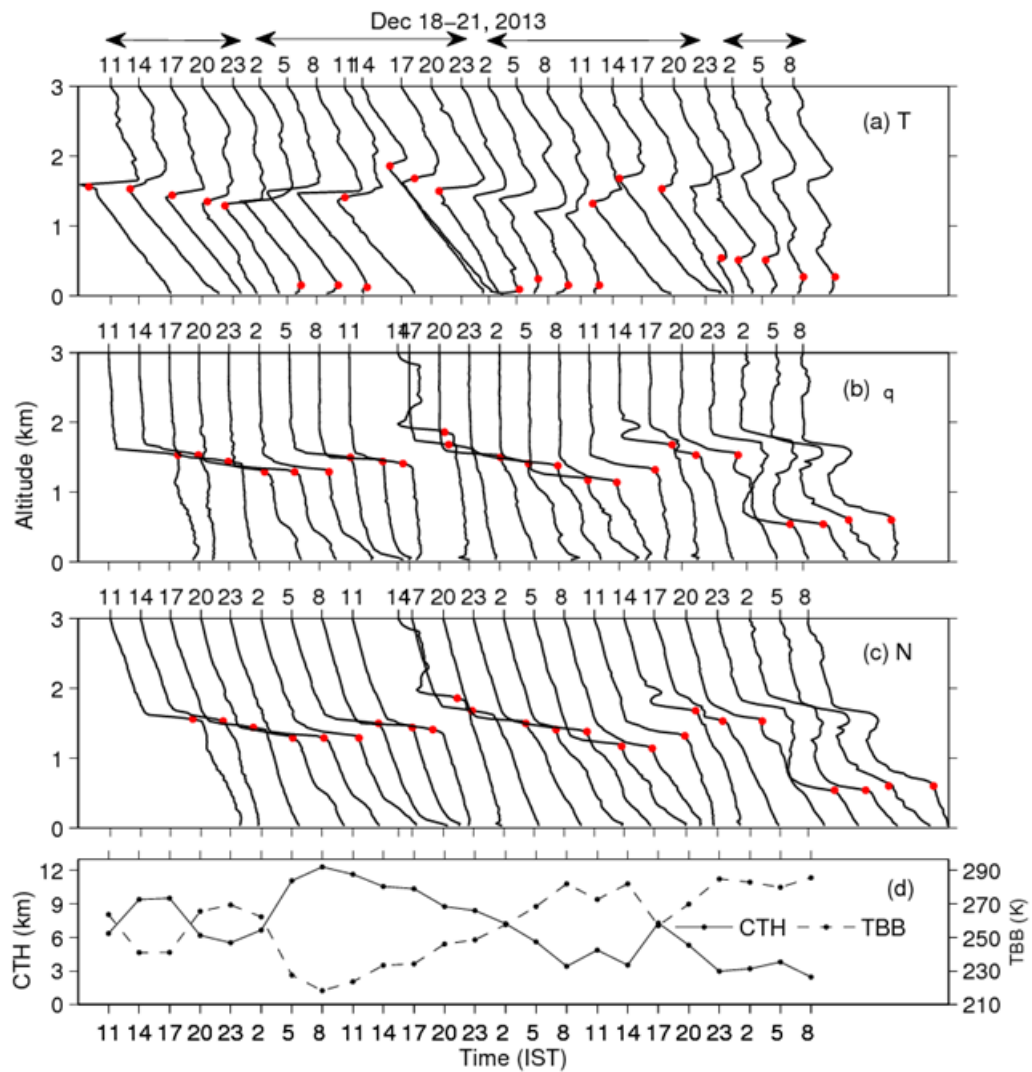
2

3 **Figure (S1). The profiles of (a) T (b) q and (c) N showing the diurnal variation of**
4 **the ABL observed during February 8-11, 2011. Fig (d) shows the infrared bright**
5 **brightness temperature (TBB) within $0.25^{\circ} \times 0.25^{\circ}$ latitude-longitude over Gadanki**
6 **($13.45^{\circ}N, 79.2^{\circ}E$) and the cloud top height (CTH) calculated from corresponding**
7 **temperature profiles. Solid red dots indicate the instantaneous ABL heights.**

8

9

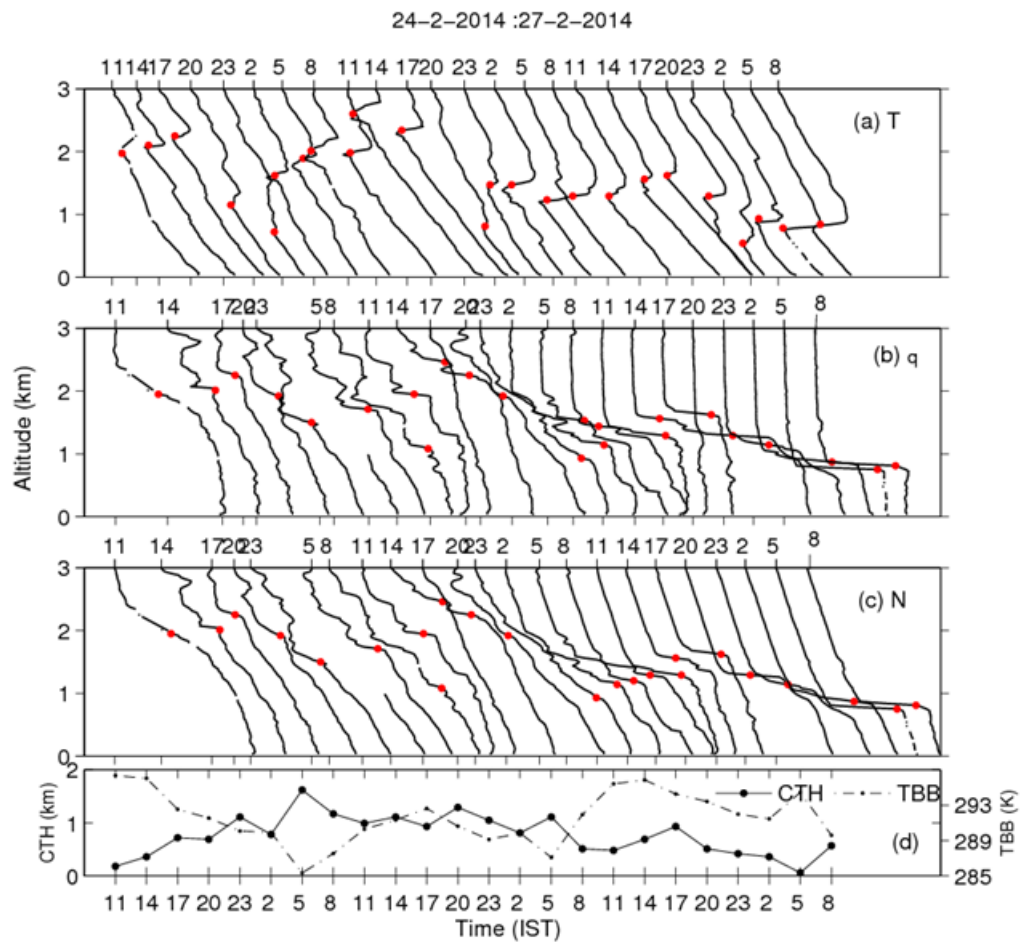
10



11

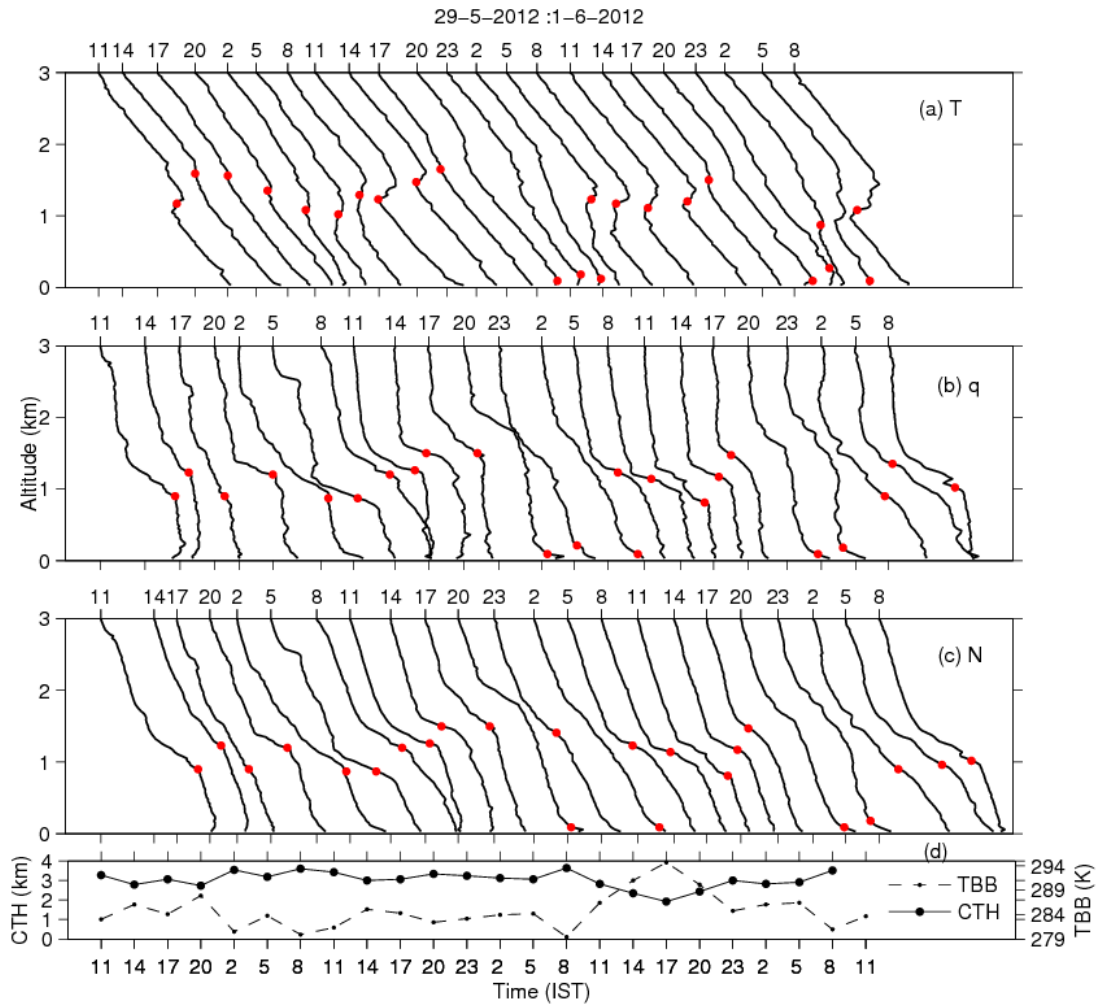
12

13 **Figure(S2). Same as Figure (S1) but for the diurnal variation of the ABL height**
 14 **observed during December 18-21, 2013.**



15

16 **Figure (S3). Same as the Figure (S1) but for the diurnal variation of the ABL**
 17 **height observed during February 18-21, 2013.**



18

19 **Figure (S4). Same as the Figure (S1) but for the diurnal variation of the ABL**
 20 **height observed during May 29-June 01, 2012.**

21

22

23

24

25

26

27

28

29