1 **Supplementary material – New particle formation and**

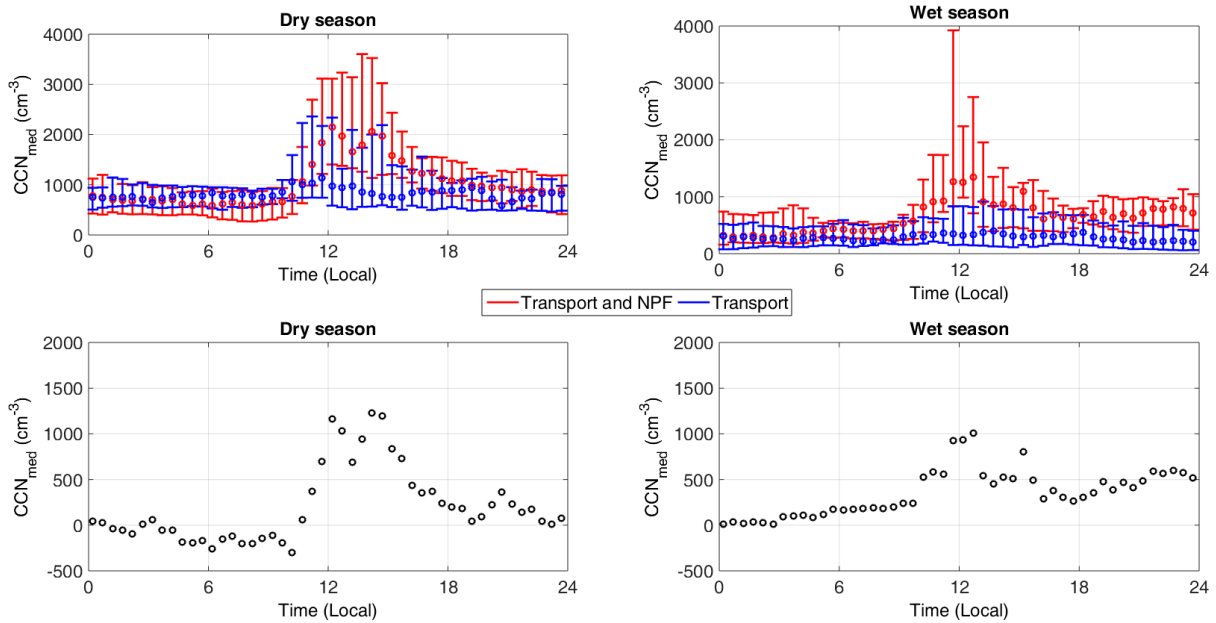
2 **impact on CCN concentrations in the boundary layer and**

3 **free troposphere at the high altitude station of Chacaltaya**

4 **(5240 m a.s.l.), Bolivia**

5

6 **1   Results**

7

17   Fig. S1. Median diurnal variation of CCN_{med} on event (upper panel, "Transport and NPF")

18   and non-event days (upper panel, "Transport"). CCN_{med} attributed to NPF (lower panel) is

19   calculated as the difference of the concentrations recorded on event and non-event days.

20   Lower and upper limits of the error bars stand for the 1st and 3rd quartile, respectively.

21   Chacaltaya, 2012.

22

23

24

25

26

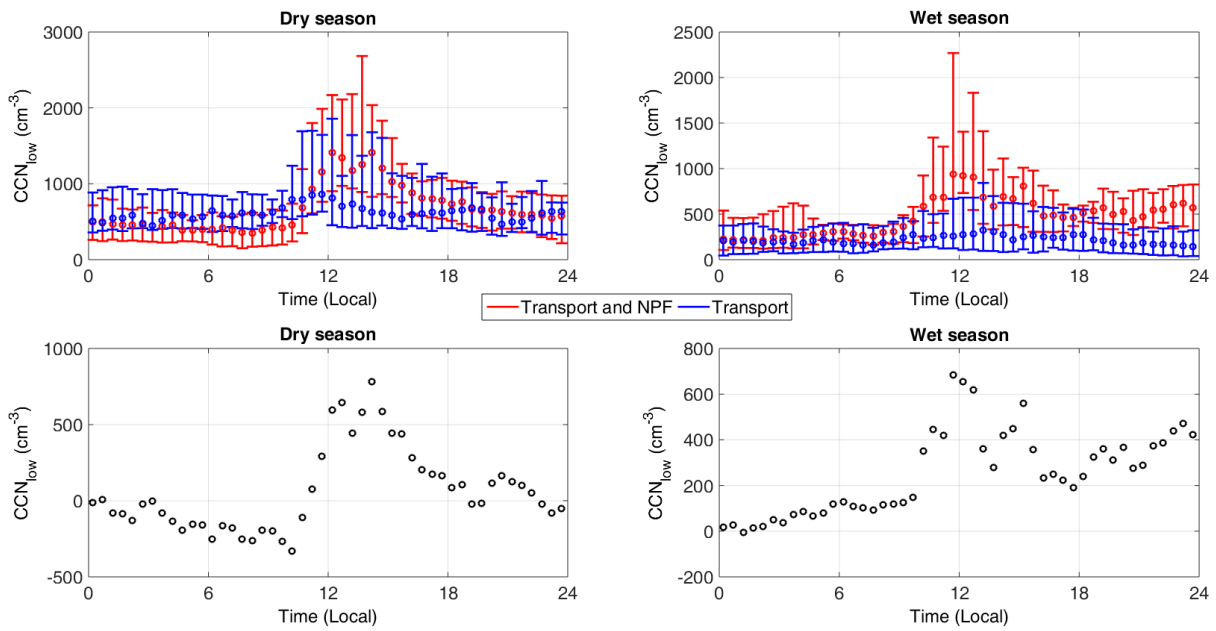



Fig. S2. Median diurnal variation of CCN$_{low}$ on event (upper panel, "Transport and NPF") and non-event days (upper panel, "Transport"). CCN$_{low}$ attributed to NPF (lower panel) is calculated as the difference of the concentrations recorded on event and non-event days. Lower and upper limits of the error bars stand for the 1st and 3rd quartile, respectively. Chacaltaya, 2012.