

***Interactive comment on* “Boundary layer structure and decoupling from synoptic scale flow during NAMBLEX” by E. G. Norton et al.**

E. G. Norton et al.

Received and published: 2 November 2005

The authors would like to thank the referee for their comprehensive and through comments and suggestions to this paper.

In reply to the general comments by the referee: This paper is not intended as a stand alone paper but as part of the NAMBLEX special issue. The purpose of the paper is to give the background meteorology of NAMBLEX for the other participants to base the analysis of their measurements. This was one of the first papers submitted to the special issue hence references to other papers in the special issue were not referenced apart from the overview paper by Heard, this issue.

In reply to the specific comments

Full Screen / Esc

Print Version

Interactive Discussion

Discussion Paper

1. The trajectories responsible for the dispersion and the concentrations of species has not been included as it will be discussed in other papers in this issue.

2. A comparison with inland PBL structure is not made because it is out of the scope of this paper. This paper aims to characterise the PBL structure at Mace Head during the NAMBLEX field campaign with regards to the interpretation of the chemical and aerosol measurements. Wind data comparisons between measurements and analysis were quantified and are summarised in table 4. We originally produced scatter plots of u and v for both data at 1100 m and 10 m but these were uninformative.

11. Although figure 11 maybe well understood by the referee its purpose is for the atmospheric chemistry community less familiar to such schematics. The authors think that the proposed sketch of the Mace Head experimental site is not necessary as one has been included in Herd, this issue.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 3191, 2005.

[Full Screen / Esc](#)[Print Version](#)[Interactive Discussion](#)[Discussion Paper](#)