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Tropospheric mercury vertical profiles between 500 and 10 000 m in central Europe

Andreas Weigelt et al.

Correspondence to: Andreas Weigelt (andreas.weigelt@bsh.de) and Ralf Ebinghaus (ralf.ebinghaus@hzg.de)

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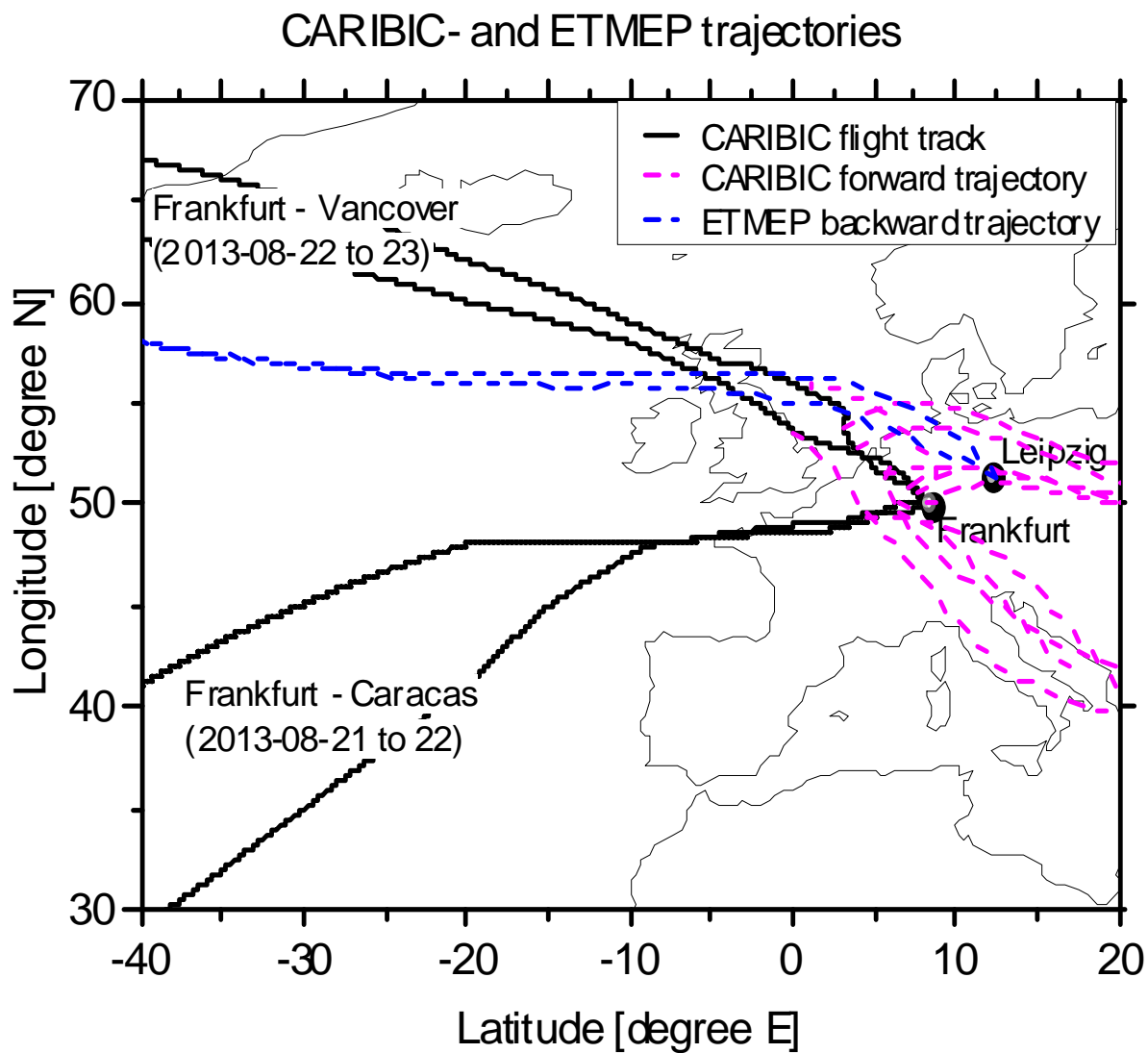


Figure S-1: Two day forward- and five day backward trajectories calculated for the free tropospheric CARIBIC (forward; only for samples east of 0 °W) and free tropospheric ETMEP-2 (backward) measurements. Trajectories were calculated with the TRAJKS trajectory model and ECMWF input data.

5 day backward trajectories from Waldhof vertical profile

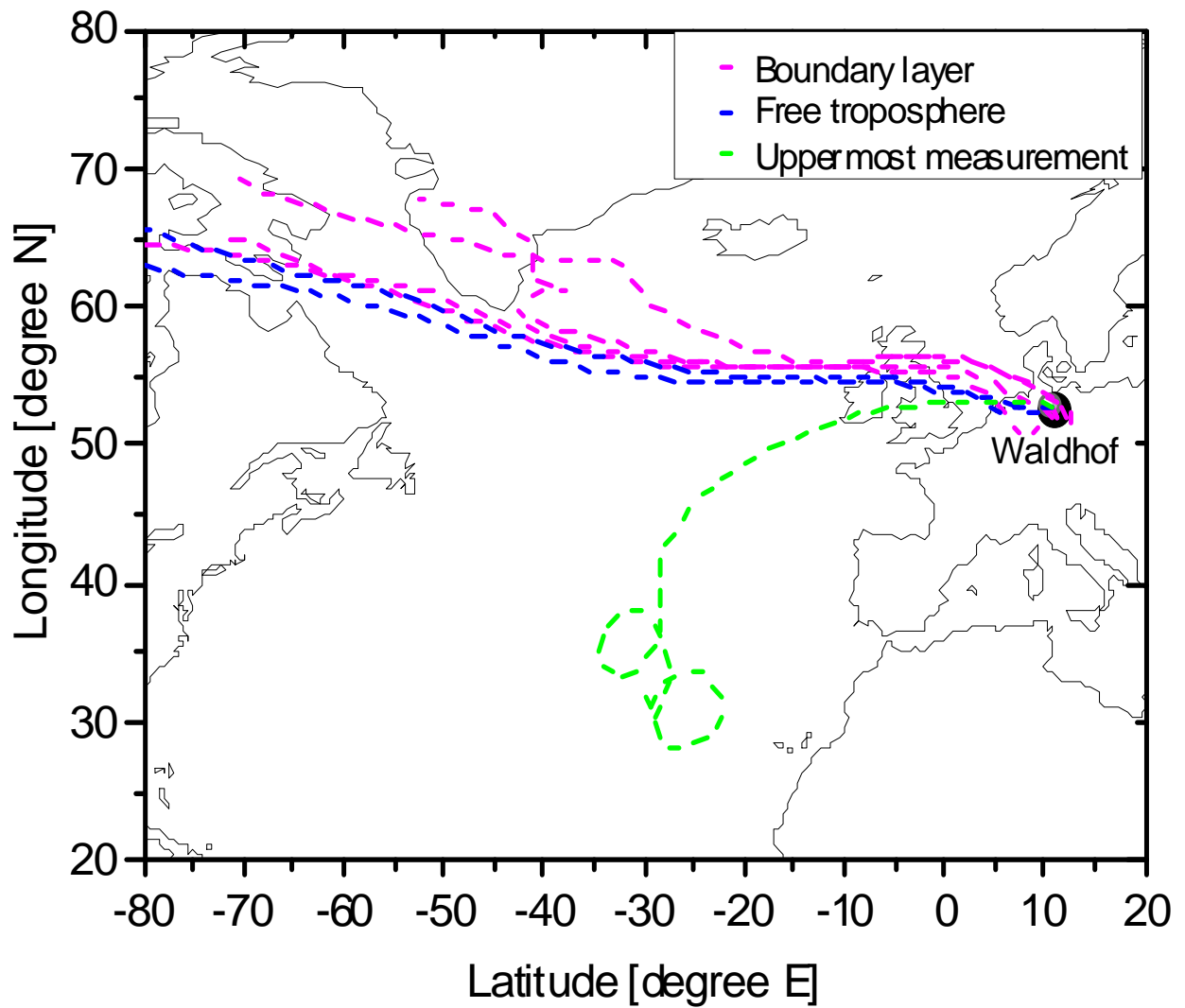


Figure S-2: Five day backward trajectories for each constant level flight leg (300 s each) over Waldhof on August 22, 2013. Magenta trajectories show the origin of the air measured inside the planetary boundary layer (PBL). Blue trajectories indicate the origin of the air, measured in the lower free troposphere (FT) over Waldhof. The green trajectory represent the air origin of the uppermost flight leg at 3000 m a.s.l.. Trajectories were calculated with the TRAJKS trajectory model and ECMWF input data.