Supplement of

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

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Figure S-1: Two day forward- and five day backward trajectories calculated for the free tropospheric CARIBIC (forward; only 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

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