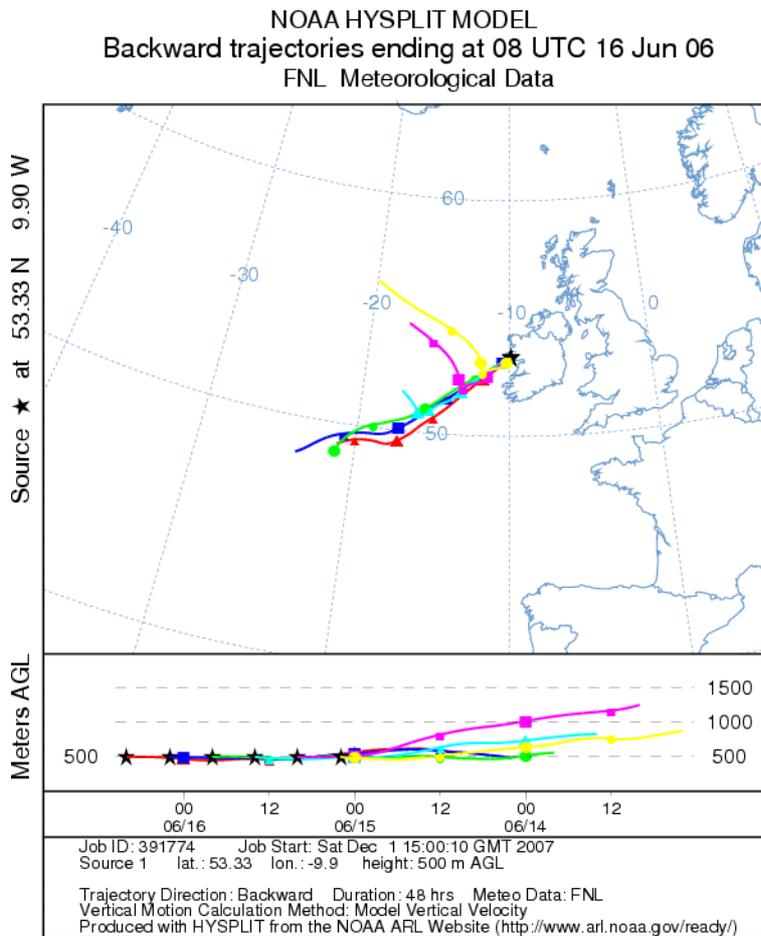


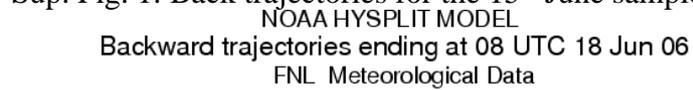
1 **Supplementary material**

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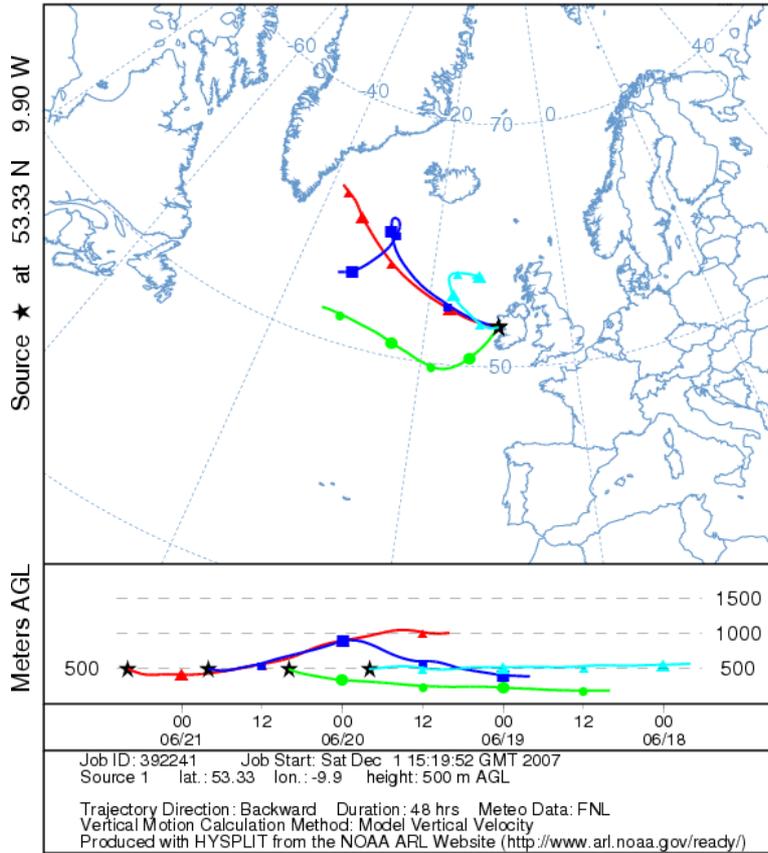
4 Sup. Fig. 1: Back trajectories for the 15th June samples.



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6 Sup. Fig. 2: Back trajectories for samples from the 17th June.

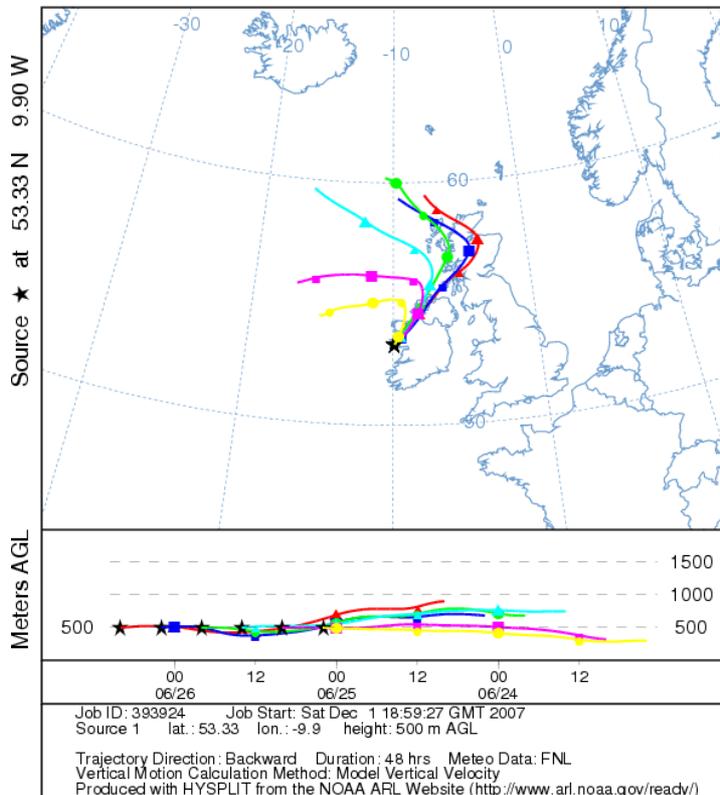
NOAA HYSPLIT MODEL
Backward trajectories ending at 08 UTC 21 Jun 06
FNL Meteorological Data



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Sup. Fig. 5: Back trajectories for samples from the 20th June.

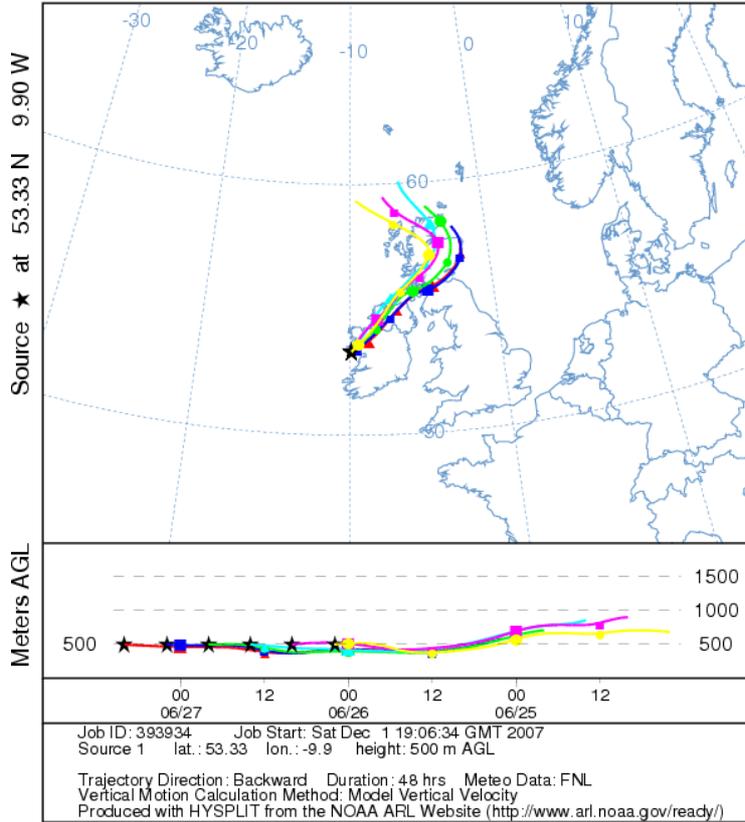
NOAA HYSPLIT MODEL
Backward trajectories ending at 08 UTC 26 Jun 06
FNL Meteorological Data



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Sup. Fig. 6: Back trajectories for samples taken on the 25th June.

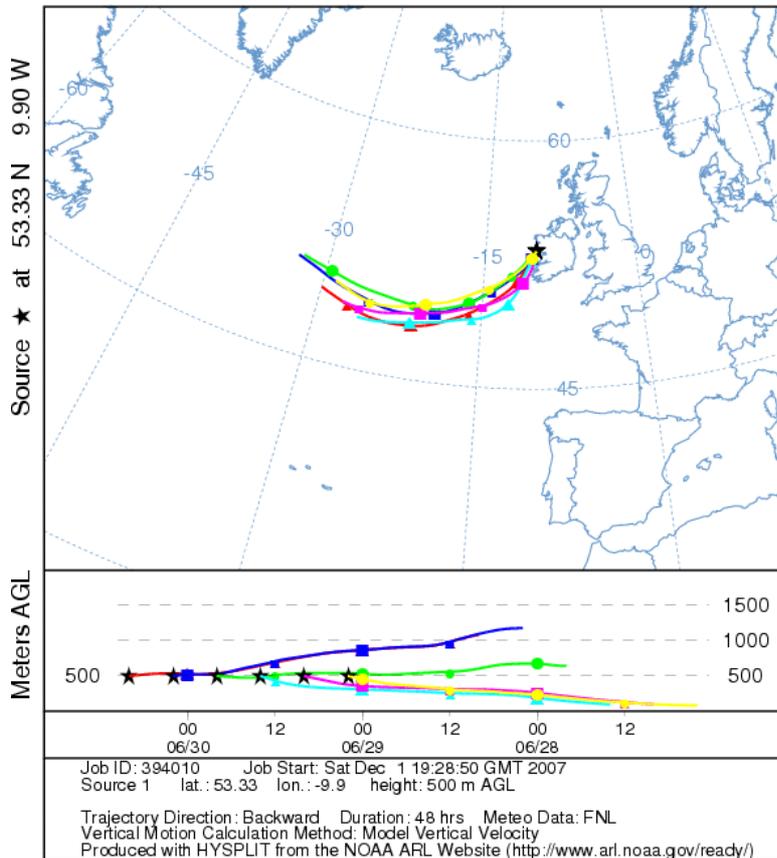
NOAA HYSPLIT MODEL
Backward trajectories ending at 08 UTC 27 Jun 06
FNL Meteorological Data



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Sup. Fig. 7: Back trajectories for samples taken on the 26th June.

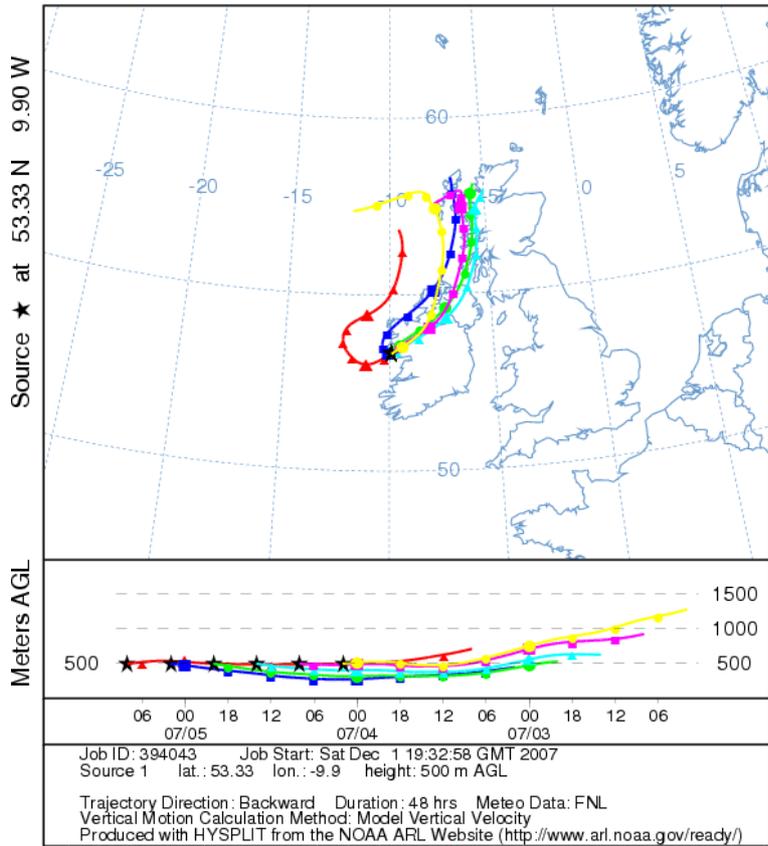
NOAA HYSPLIT MODEL
Backward trajectories ending at 08 UTC 30 Jun 06
FNL Meteorological Data



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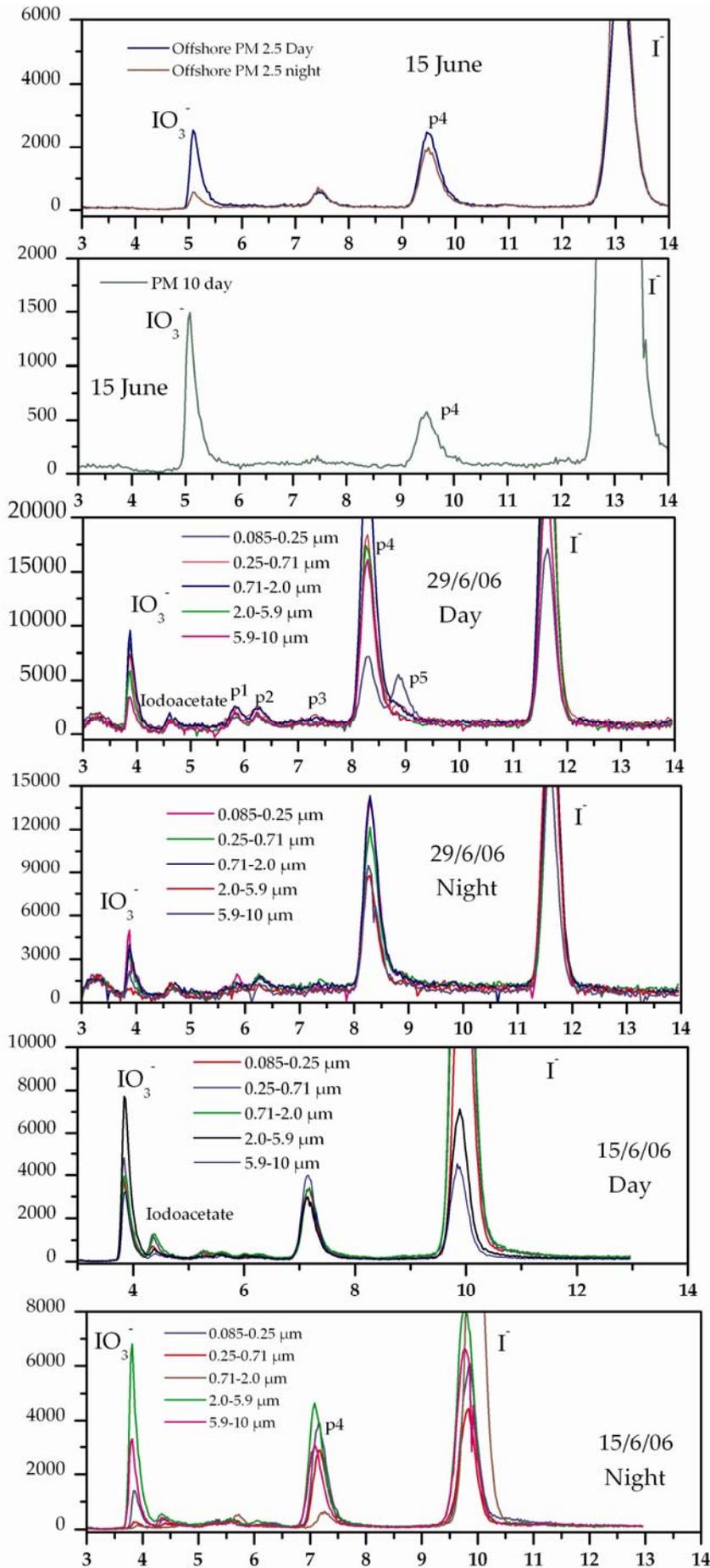
Sup. Fig. 8: Back trajectories for samples taken on the 29th June.

NOAA HYSPLIT MODEL
Backward trajectories ending at 08 UTC 05 Jul 06
FNL Meteorological Data

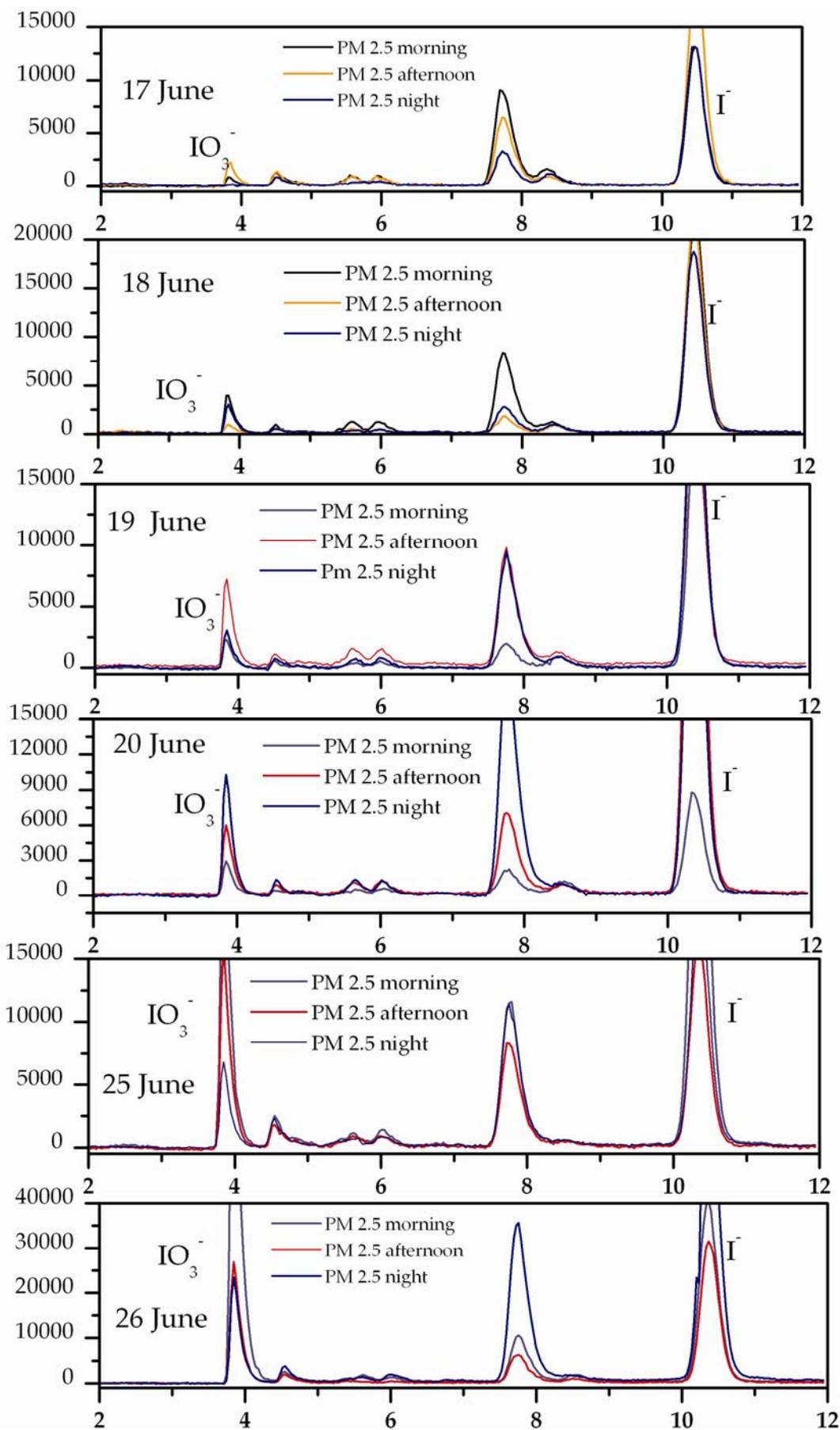


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Sup. Fig. 9: Back trajectories for samples taken on the 4th July.



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24 Sup. Fig. 10: IC-ICP-MS chromatograms of aerosol samples from Mace Head and offshore
25 aboard the Celtic explorer.
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Sup. Fig. 11: PM 2.5 chromatograms of aerosols from Mace Head.