



# The National Contrail Network

## IENS

### Home Page



*Leigh, P. Lancaster University. 19/12/2002.*

Welcome to The National Contrail Network homepage. Below are a series of links to allow you to jump to anywhere in the web site. However if you wish to follow the full story of the science and the issues surrounding contraails, the data collection and the data analysis please start by clicking on the **Front Page**.

To see a web map [click here](#).

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[Front Page](#).

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[Why it is necessary for us to study contrails and the aims of this study.](#)

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Details of the observations carried out by the stations within the network:

[How to carry out the daily contrail observations.](#)

[The 10 major cloud types.](#)

[A description of the 4 types of contrails](#)

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Station location details:

[Bangor](#), [Bishop Auckland](#), [Bridgewater](#), [Chelmsford](#), [Consett](#), [Lancaster](#), [Methlick](#), [Moel Y Crio](#),  
[Mugdock](#), [Neston](#), [Stokesley](#), [Workington](#).

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Analysis of the number of contrails observed:

[Analysis of the \*\*number of contrails\*\* observed on each day at each station.](#)

[A regional analysis of the \*\*number of contrails\*\* observed](#)

[An analysis of the \*\*number of contrails\*\* observed each day, along with the \*\*number of planes\*\* and the amount of \*\*cloud coverage\*\*.](#)

[Contrails as observed over Copenhagen.](#)

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[An analysis of the types of contrails observed at each station.](#)

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[An analysis of the average number of planes observed at each station daily along with the average number of contrails observed daily.](#)

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**The three main research areas of this study:**

[A case study of December 18th 2003.](#)

[An analysis of the 'North East Cluster'.](#)

[An analysis of the seasonal cycle of contrail occurrence.](#)

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[The National Contrail Network. Discussion and Conclusions.](#)

[The Climatic Implications.](#)

[Suggestions for Further Study.](#)

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[Links](#)

[References](#)

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[Acknowledgements](#)

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Website created by **Amy Foy** for an MSc in Ecological and Environmental Sciences at Lancaster University,  
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