

## Questions and Answers

### ARRIVALS MAP



#### **What are the arrivals maps?**

These maps show the typical patterns of where aircraft fly on their arrival to Stansted. Both maps use actual aircraft tracks for an average week in the summer, our peak period.

#### **Who has produced this information?**

Both maps have been produced independent of BAA. The Environmental Research Consultancy Department (ERCD) of the Civil Aviation Authority (CAA) was commissioned to produce this piece of work for Stansted.

#### **Why have the maps been produced?**

BAA Stansted wanted to provide easy to understand maps, showing where aircraft arriving into Stansted Airport usually fly. We think this information will help people better understand our day to day operations.

#### **Are the routes new and is this new information?**

These maps show current routes and information previously available in various different ways. They are a new initiative designed to show the typical patterns and heights of aircraft arriving into Stansted Airport.

#### **Are these actual tracks that aircraft flew?**

Yes. These maps show a week of flights in our peak period during the summer arriving at Stansted Airport.

#### **Why are the tracks coloured differently?**

Each aircraft track is shown in three different colours along its route. The yellow band shows aircraft at between 6,000 ft and 10,000 ft. The light green band shows aircraft at between 6,000 ft and 3,000 ft. The dark green band shows aircraft at below 3,000 ft. Generally, the higher the aircraft are the quieter they will be.

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#### **Why are there two maps?**

There are two maps which represent arrivals to both ends of the runway because the approach changes depending on whether the wind is in a westerly or easterly direction.

#### **Who have they been produced for?**

Members of the community. They will form part of our Property Pack which contains specific information for people moving within the local area or who wish to find out more about operations at Stansted. They are also available to our local community through the Flight Evaluation Unit and will be available in the near future on our website [www.stanstedairport.com/noise](http://www.stanstedairport.com/noise).

#### **What is the information in the small boxes?**

This information gives details of the range of how many flights you could expect to see during a 24 hour period; the average percentage of flights a day; the average number of days with less than 10 flights and the average number of days with more than 10 flights.

#### **Why are the average daily figures based on 92 days rather than the picture showing a week of tracks?**

The 92-day summer reporting period from mid-June to mid-September has been in use for many years now as the established time scale over which to describe the noise exposure arising from aircraft.

#### **What does average daily arrivals mean?**

This is the average number of arrival movements at each location over the 92-day summer period. The figure allows the user to gauge how many arrivals they can expect on an average summer day. It is calculated by taking the sum of all the arriving aircraft within the summer period at each distinct location and dividing that number by the number of days, in this case 92. Because the average number of daily arrivals is affected by the runway direction that is in use, this statistic is complemented with the statistic 'daily range of arrivals', which is described below.

#### **What does daily range of arrivals mean?**

The statistic called 'daily range of arrivals' provides an indication of the minimum and maximum number of flights recorded over the summer period at each location.

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#### **Why are there no set routes for arriving aircraft?**

There are no set routes for arriving aircraft as there are for departures, as air traffic control (who direct the planes) need the flexibility to safely separate and sequence aircraft within the airspace when on their final approach to Stansted.

#### **What are the arrows showing?**

The arrows are an indication of the direction the aircraft are moving in.

#### **Why are there two runway directions?**

Because aircraft have to land into the wind, both ends of the runway are used for landing and taking off. Stansted's predominant wind direction is from the south west, so aircraft land from the north east and take off towards the south west. This happens around 65% of the time.

#### **What directions are the aircraft coming from on both maps?**

For arrivals landing towards the south west, aircraft are coming in from both the east and west to line up with Stansted's runway.

For arrivals landing towards the north east, aircraft come from a number of directions; to start their approach they come from the south, east and west.

#### **Is this on the website?**

These maps will be available from the end of April 2006 at [www.stanstedairport.com/noise](http://www.stanstedairport.com/noise).

#### **Can I have further copies?**

Yes of course. Please contact the Flight Evaluation Unit on 0800 243 788 or see our website address above.