How to read Plane Talking flight visualisation

This is an interactive visualisation detailing an aircraft's journey from Heathrow airport to Manchester airport. This shows how ATC instructs an aircraft from a stand at Heathrow to a stand at Manchester airport. Throughout this visualisation 7 key concepts are introduced such as weather and how it influences a flight.

There is a lot of information on the screen so we've made this one page feature guide.

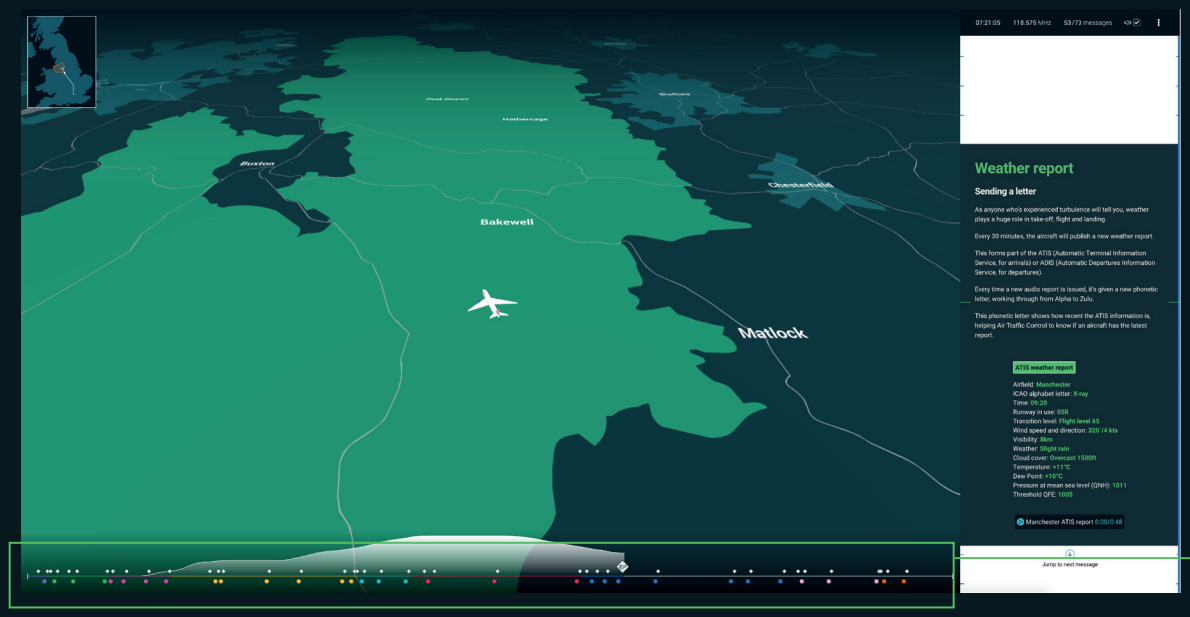
Right hand panel

This area shows:

- Time stamp
- Radio frequency for Pilot/Controller voice communications
- Message sequence number
- Audio on/off switch
- Navigation menu—this menu allows you to navigate to the start, end and the various air traffic controllers sections

- This is the scrollable panel, each ticker represents 1 second
- Pilot messages are on the left hand side of this panel, represented by the colour grey
- Controller messages are on the right hand side of this panel. Each Controller is represented by a different colour
- The message in the coloured box automatically plays and can be replayed by clicking on the replay icon
- The coloured band on the right hand side is the same as the coloured text box for each controller. During periods of no message exchanges between the Pilot/Controller you can see which Controller the timeline refers to
- During periods where no messages are being exchanged between the Pilot/Controller, you can click on the down arrow in a circle which takes you to the next message rather than scroll manually

Footer



This timeline details:

- Along the top, are the pilot messages as denoted by a rhombus
- Along the bottom, are the Controller messages as denoted by a circle. The colours represent different controllers
- The vertical flight profile is along the top in shades of white

Main screen

Top left corner of the main screen:

- This shows the complete flight path
- The orange outline shows the airspace sector the flight is in
- The white dot represents where the aircraft is on its route

By scrolling through the right hand panel, you can see the flight and its position.