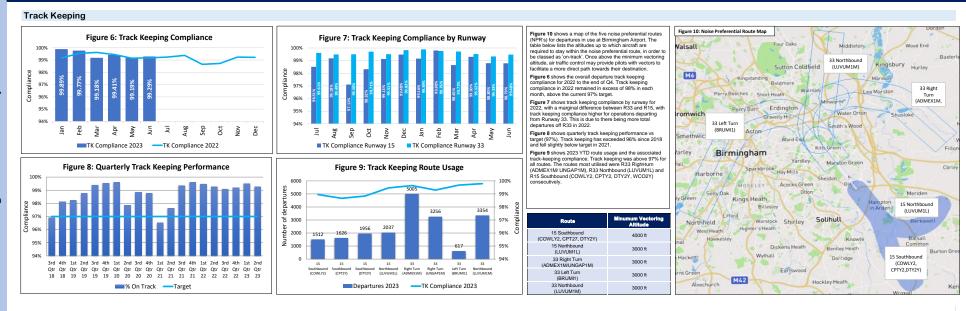
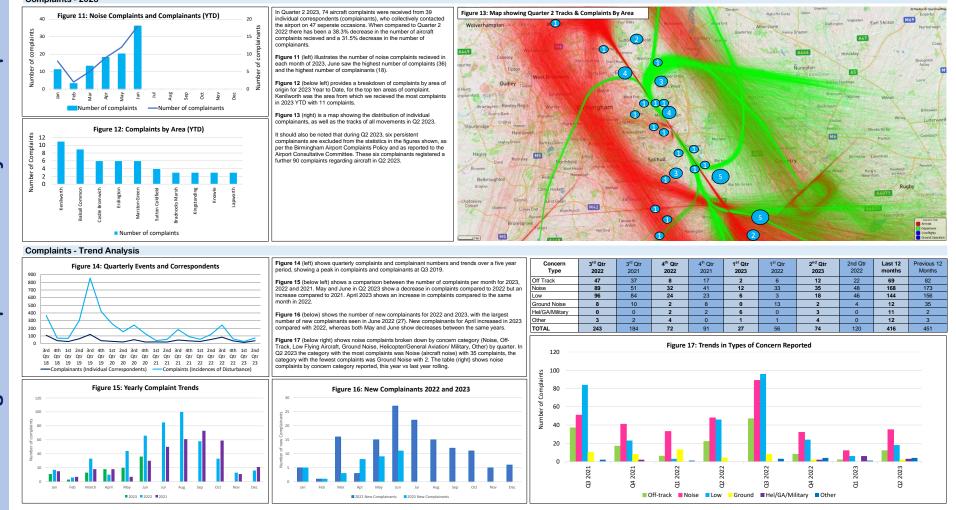
## **Departures Performance**



# **Aircraft Activity Complaints**

## Complaints - 2023



Report **Community Noise** Airport Birmingham

## **Airlines & Air Traffic**

### **Airline Noise Performance**

Rank by ATM	Airline Name	<b>Total Movements</b>	CDA Performance	Renk (CDA)	Track Keeping Performance	Renk (TK)
1	Jet2.com	4051	97.19%	2	99.41%	8
2	Ryanair	4033	98.60%	1	99.5%	7
3	TUI	2852	94.70%	5	99.7%	2
4	EasyJet	1464	93.99%	8	99.59%	4
5	Lufthansa	887	94.59%	6	99.10%	11
6	KLM Royal Dutch Airlines	758	94.40%	7	99.47%	6
7	Loganair	747	89.30%	15	99.7%	2
8	Air France	686	85.96%	19	100.00%	1
9	Emerald Airlines (UK)	589	88.23%	16	100.00%	1
10	EasyJet Europe	522	91.95%	9	99.62%	3
11	Emerald Airlines	431	88.02%	17	99.53%	5
12	Eurowings	380	91.05%	12	99.47%	6
13	Emirates	364	90.70%	13	98.9%	12
14	Turkish Airlines	362	95.00%	4	100.0%	1
15	Aer Lingus	313	86.93%	18	98.75%	13
16	Wizz Air	278	90.60%	14	99.3%	9
17	Vueling	250	91.30%	11	97.6%	14
18	Brussels Airlines	241	81.82%	20	99.17%	10
19	Zimex Aviation Austria	239	91.80%	10	100.00%	1
20	SunExpress	218	95.40%	3	99.1%	11

The table to the left shows airline noise performance. Airlines are ranked by the number of movements for Q2 2023. The ranking within each metric is also presented.

The methodology used to calculate the two metrics that form the airline noise performance table are described below. In order to drive continuous improvement and to help showcase airline performance in relation to noise, this table has been developed and is presented to airlines on a quarterly basis through the Operation Pathfinder programme. In collaboration with airlines, we have identified operational metrics which are being monitored and reported against. These metric will develop over time in collaboration with the airlines.

Continuous Descent Approaches (CDA) and Track Keeping (TK) are operational metrics. Airlines with more than ten movements per week during Q2 2023 are included in the ranking. Airlines with CDA or Track Keeping performance in green have met our CDA (96%) and Track Keeping (97%) targets. Airlines with CDA or Track Keeping performance in the red or amber range will be considered as a priority for engagement and we will work with them to improve their operational performance

Continuous Descent Approaches (CDA) Performance is the first operational metric in the arline noise performance table and relates to the vertical profiles flown during arrival. CDA performance is equal to the proportion of arrivals that meet the criteria for CDA, i.e., no level segment longer than 2.5 nautical miles below the altitude of 7,000ft. Continuous descent approaches reduce the noise impact because they require significantly less engine thrust, which leads to reduced emissions of air pollutants and noise, with the aircraft staying higher for longer. Airport-wide CDA performance is also presented separately in this report.

#### RAG definition: Green ≥ 96% 96% ≤ Amber < 85% Red < 85%

Track Keeping (TK) Performance Track keeping performance is the second operational metric in the airline noise performance table and applies to the lateral departure track. All departures are required to stay within the Noise Preferential Routes (NPRs) designed to take departing aircraft over the least populated areas. Track keeping performance is equal to the proportion of departures that stay within the NPRs until they reach the required altitude of 3,000t of 4,000t depending on the route. Altiprot-wide Track Keeping performance is also presented separately in this report.

RAG definition: Green ≥ 97% 97% ≤ Amber < 95% Red < 90%

#### **Runway Statistics**

100% 90%

80%

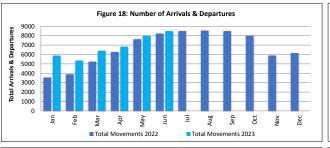
70% Usage

60%

20%

109

vay 50%



Runway 15 Runway 33

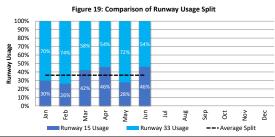


Figure 18 (top left) shows the total number of air transport movements (ATM's) (both arrivals and Figure 20: Quarterly Runway Usage departures) for 2022 and 2023. There has been an increase in movements for all months in Q2 of 2023 vs 2022. Figure 19 (top middle) shows runway usage for 2023. Over Q2 of 2023 the average runway split is 40% R15 and 60% R33. The number of Air Traffic Movements (ATMs) by runway for the 2nd Qtr 2023 was 9,236 ATMs on runway 15 and 14,056 ATMs on runway 33. Figure 20 (bottom left) shows quarterly runway usage over a 5-year period. Figure 21 (right) Birmingham Airport has one runway which operates in two directions, known as

Runway 15 and Runway 33; the direction of operation is primarily dependent upon meteorological conditions. Where winds are below five knots, we operate our 'Preferential Runway' Policy, this is when Air Traffic Control will generally direct arrivals onto Runway 33 to minimise the risk of wake vortex strikes. Wake vortices are rotating columns of air generated by arriving aircraft as they pass through the air. Infrequently and in certain still, calm conditions they can cause damage to roofs. Although vortex strikes are rare, the Preferential Runway Policy minimises the risk to the large number of properties located to the north of the airport underneath the R15 centreline by directing arrivals onto 3rd 4th 1st 2nd R33, where there are very few properties at risk. Taken together, wind direction and the Preferential Runway policy explain why Runway 33 is utilised more than Runway 15. Qtr 18Qtr 19Qtr 19Qtr 19Qtr 19Qtr 20Qtr 20Qtr 20Qtr 21Qtr 21Qtr 21Qtr 21Qtr 22Qtr 22Qtr 22Qtr 22Qtr 23Qtr 23

