

Departures Performance

Track Keeping

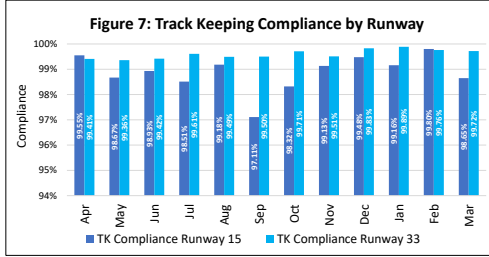
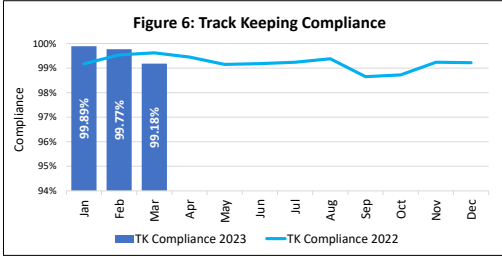


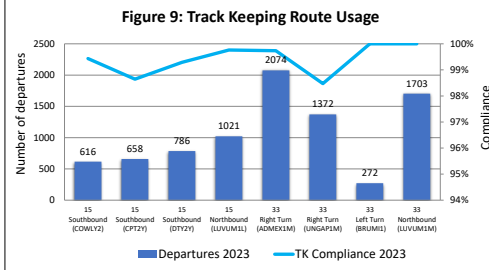
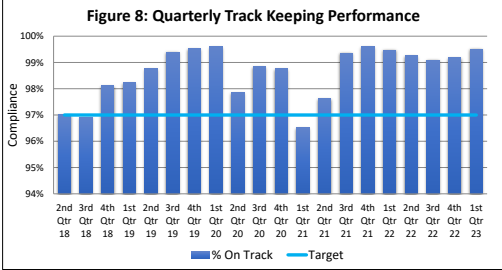
Figure 10 shows a map of the five noise preferential routes (NPRs) for departures in use at Birmingham Airport. The table below lists the altitudes up to which aircraft are required to stay within the noise preferential route, in order to be classed as 'on-track'. Once above the minimum vectoring altitude, air traffic control may provide pilots with vectors to facilitate a more direct path towards their destination.

Figure 6 shows the overall departure track keeping compliance for 2022 to the end of Q4. Track keeping compliance in 2022 remained in excess of 98% in each month, above the current 97% target.

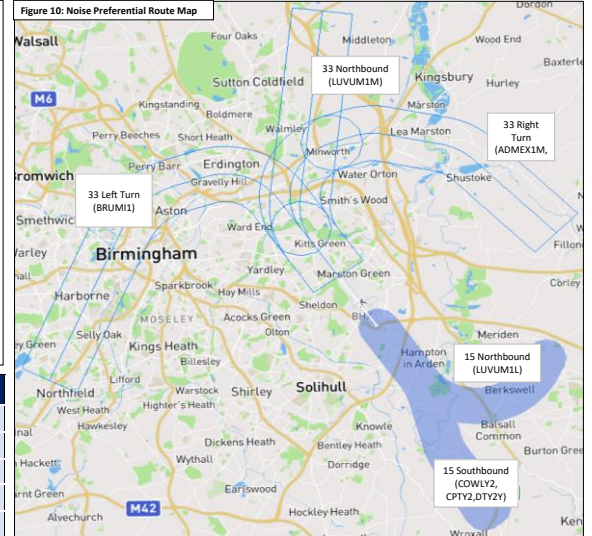
Figure 7 shows track keeping compliance by runway for 2022, with a marginal difference between R33 and R15, with track keeping compliance higher for operations departing from Runway 33. This is due to there being more total departures off R33 in 2022.

Figure 8 shows quarterly track keeping performance vs target (97%). Track keeping has exceeded 96% since 2017 and fell slightly below target in 2021.

Figure 9 shows 2022 route usage and the associated track-keeping compliance. Track keeping was above 97% for all routes. The routes most utilised were R33 Right-turn (ADMEX1M/ LUNGAP1M), R33 Northbound (LUVUM1L) and R15 Southbound (COWLY2, CPTY2, DTY2Y, WCO2Y) consecutively.

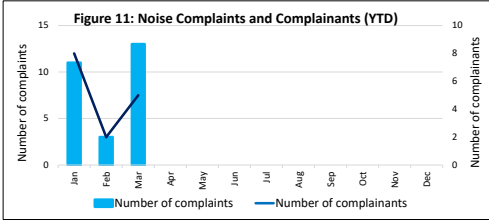


Route	Minimum Vectoring Altitude
15 Southbound (COWLY2, CPTY2, DTY2Y)	4000 ft
15 Northbound (LUVUM1L)	3000 ft
33 Right Turn (ADMEX1M/ LUNGAP1M)	3000 ft
33 Left Turn (BRUM1)	3000 ft
33 Northbound (LUVUM1M)	3000 ft



Aircraft Activity Complaints

Complaints - 2023



In Quarter 1 2023, 27 aircraft complaints were received from 15 individual correspondants (complainants), who collectively contacted the airport on 25 separate occasions. When compared to Quarter 1 2022 there has been a 107% decrease in the number of aircraft complaints received and an 86% decrease in the number of complainants.

Figure 11 (left) illustrates the number of noise complaints received in each month of 2023. March saw the highest number of complaints (13) and January saw the highest number of complainants (8).

Figure 12 (below left) provides a breakdown of complaints by area of origin for 2023 Year to Date, for the top ten areas of complaint. Marston Green was the area from which we received the most complaints in 2023 YTD with 10 complainants.

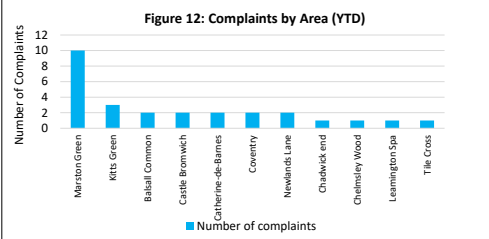
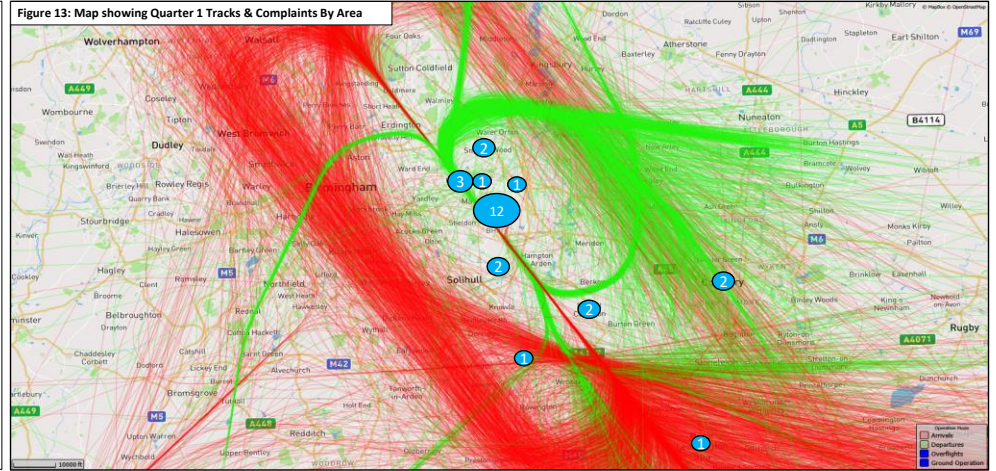


Figure 13 (right) is a map showing the distribution of individual complainants, as well as the tracks of all movements in Q1 2023.

It should also be noted that during Q1 2023, five persistent complainants are excluded from the statistics in the figures shown, as per the Birmingham Airport Complaints Policy and as reported to the Airport Consultative Committee. These five complainants registered a further 66 complaints regarding aircraft in Q1 2023.



Complaints - Trend Analysis

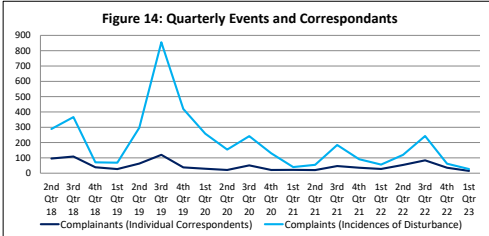
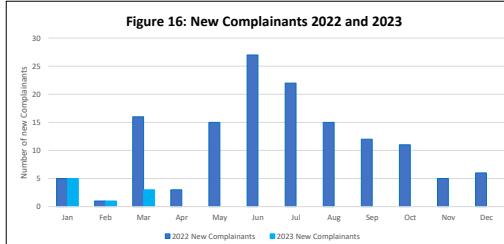
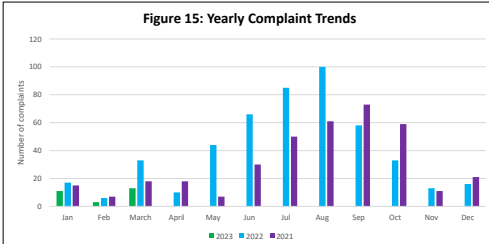


Figure 14 (left) shows quarterly complaints and complainant numbers and trends over a five year period, showing a peak in complaints and complainants at Q3 2019. Both complaints and complainants are at their lowest level in five years for Q1 2023.

Figure 15 (below left) shows a comparison between the number of complaints per month for 2023, 2022 and 2021. Each month in Q1 2023 shows a decrease in complaints compared to both 2021 and 2022.

Figure 16 (below) shows the number of new complainants for 2022 and 2023, with the largest number of new complainants seen in June 2022 (27). New complainants for January and February remained the same year on year, with a decrease in March 23 vs 22.



Concern Type	2 nd Qtr 2022	2 nd Qtr 2021	3 rd Qtr 2022	3 rd Qtr 2021	4 th Qtr 2022	4 th Qtr 2021	1 st Qtr 2023	1 st Qtr 2022	Last 12 months	Previous 12 Months
Off Track	22	14	47	37	8	17	2	6	79	74
Noise	48	30	89	51	32	41	12	33	181	155
Low	46	11	96	84	24	23	6	3	172	121
Ground Noise	4	0	8	10	2	8	0	13	14	31
Hel/GA/Military	0	0	0	0	2	2	6	0	8	2
Other	0	0	3	2	4	0	1	1	8	3
TOTAL	120	55	243	184	72	91	27	56	462	386

Figure 17 (below right) shows noise complaints broken down by concern category (Noise, Off-Track, Low Flying Aircraft, Ground Noise, Helicopter/General Aviation/ Military, Other) by quarter. In Q1 2023 the category with the most complaints was Noise (aircraft noise) with 12 complainants, the category with the fewest complaints was Ground Noise with 0. The table (right) shows noise complaints by concern category reported, this year vs last year rolling.

