

Dublin Airport Monthly Noise and Operations Report

May 2024

- Operations and Runway Use
- Noise Complaints

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3.	Explanation of Terms	
4.	Operations – Movements and Runway Use	Provides an overview of the operations of the airport during the month, including arrival and departure movements, runway use, wind direction and movement comparisons with earlier months and the previous year.
5.	Operations – Runway and Track Use	Provides a representation of the distribution of arrivals and departures, along with data relating to the distribution of the main departure tracks.
6.	Noise Complaints - Complainant Statistics	Provides rolling data on complainant statistics, including total complaints received.
7.	Noise Complaints - Complainant Statistics	Provides data on the complaints received by area from top 10 complainants and a breakdown of complaints by the top 5 individuals
8.	Noise Complaints - Complainant Hotspot Areas	Provides a map of the region, displaying a blue mark for each household or complainant that submitted a complaint to the airport during the month.

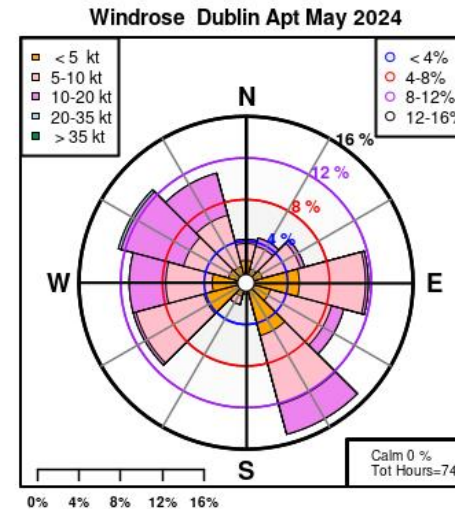
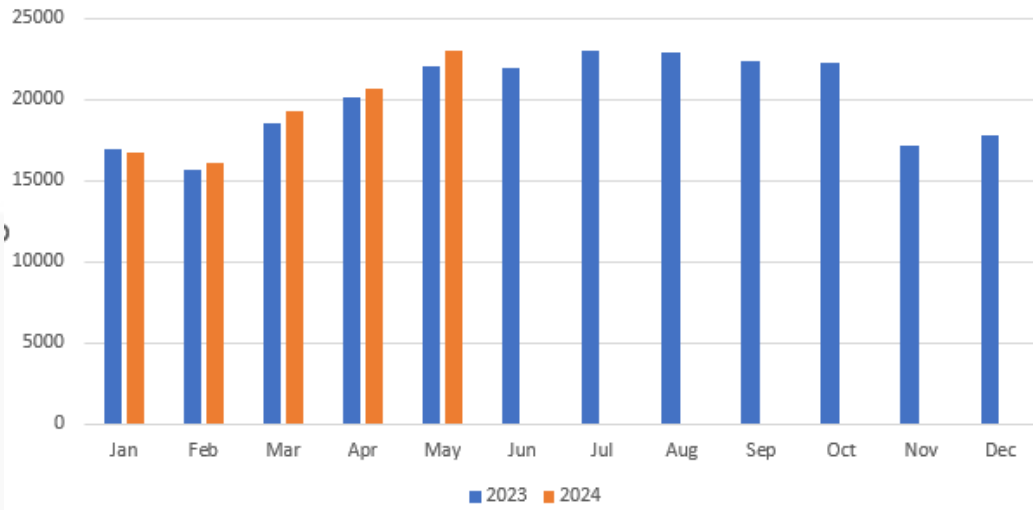
Term	Definition
Aircraft Movement	An aircraft movement is either the arrival or departure of an aircraft at Dublin Airport. For an arrival, the aircraft is detected by radar at least 50km from the airport and the route it takes is recorded in the noise management system until it touches down on one of Dublin Airport's runways. For a departure, the radar detects the flight as it leaves the ground and records the route until it is at least 50km away.
ANOMS	The Advanced Noise Management System is Dublin Airport's database and management system for recording aircraft operations, flight tracks, noise monitoring terminals and complaints.
Cat AB aircraft	Category A and B aircraft are light and propeller driven aircraft. This includes General Aviation aircraft (Cat A) and turbo-propeller aircraft such as the ATR72 (Cat B).
Cat CD aircraft	Category C and D are heavier, jet aircraft.
Runway Naming	Runways are named based on the direction (or heading) an aircraft faces during an operation on that runway. For parallel runways, the L or R indicates whether it is on the left or the right. Dublin Airport has three runways: <ul style="list-style-type: none">• South Runway - Operations are either on RW28L (facing west) or on RW10R (facing east)• North Runway – Operations are either on RW28R (facing west) or on RW10L (facing east)• Cross Runway – operations are either on RW16 (facing south) or on RW34 (facing north)
Wind Rose	Circular graph of wind strength and direction issued by Met Eireann. As aircraft need to take-off and land when facing into the wind (except in low wind conditions less than 5 knots), the wind rose will give an indication of runway use.
YTD	Year To Date
Zones A to F	The "zones" are runway end zones defined for this report. For example, Zone A is west of the South Runway and is overflowed by arrivals on RW10R and departures on RW28L.

Aircraft Movements (Cat ABCD) May 2024

Zone		Arrivals		Departures		Total
A	South Runway	from West (RW10R)	810	to West (RW28L)	1132	1942
B		from East (RW28L)	7285	to East (RW10R)	4047	11332
C	North Runway	from West (RW10L)	3158	to West (RW28R)	6326	9484
D		from East (RW28R)	264	to East (RW10L)	2	266
E	Cross Runway	from North (RW16)	0	to North (RW34)	0	0
F		from South (RW34)	0	to South (RW16)	0	0
			11517		11507	23024



Monthly Aircraft Movements YTD + 2023

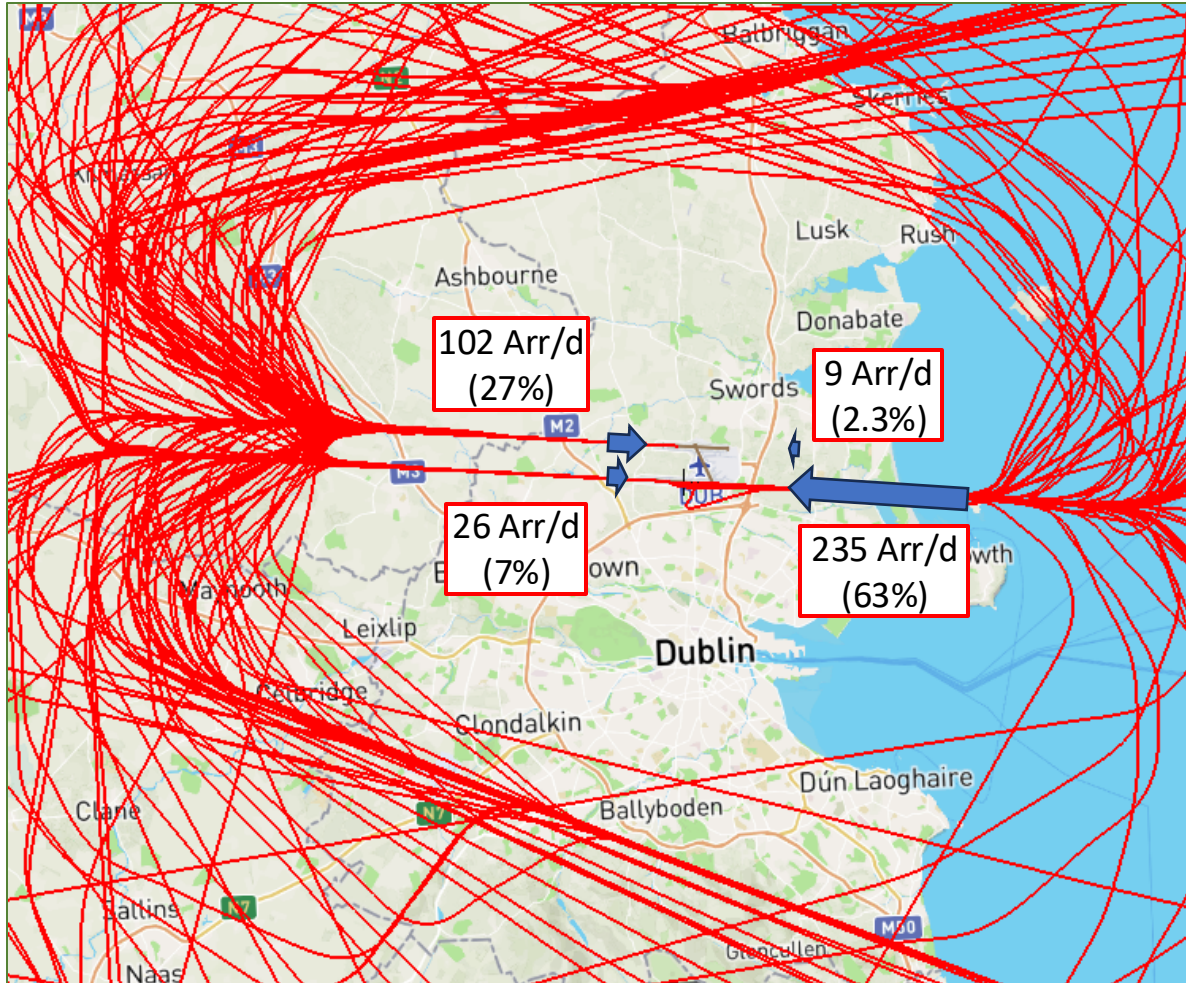


May 2024 Wind Rose:

shows percentage of time in each wind direction.

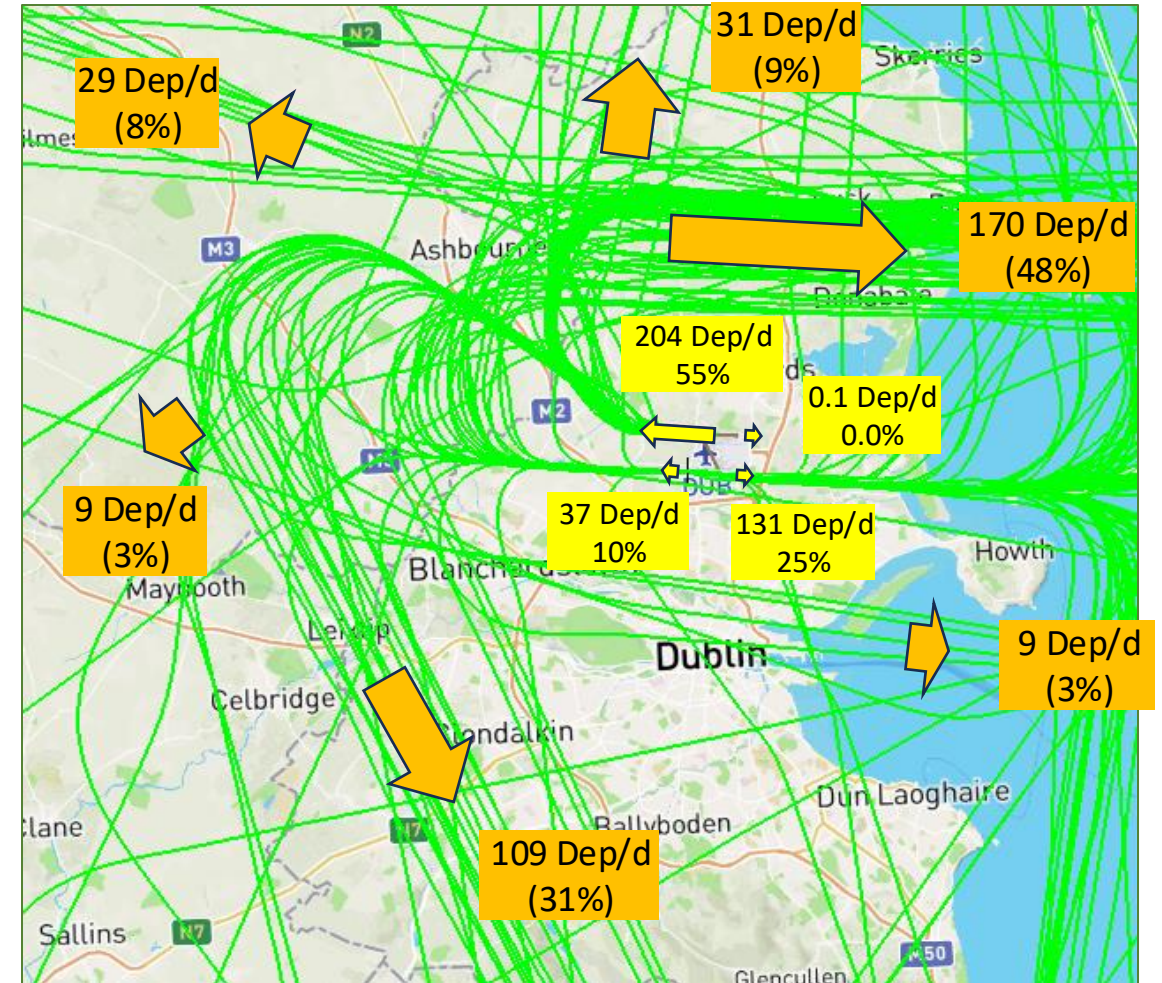
Table below shows YTD – Westerly and Easterly operations

2024	Jan	Feb	Mar	Apr	May
W	86%	87%	56%	78%	65%
E	14%	13%	44%	22%	35%



Graphic depicts:

- Average arrival movements per day (d) on each main runway
- % arrivals on each main runway May 2024
- Note: example flight track selection used



Graphic depicts:

- Average departure movements per day on each main runway (yellow boxes)
- % departures on each main runway May 2024 (yellow boxes)
- Average departures per day on each main track swathe (orange boxes)
- Note: example flight track selection used

Noise Complaints - Complainant Statistics



Complainant Statistics

Complaints excluded Top 5 Individuals Top 5 Individuals' Complaints Complainants

- Complainants +35 (+24%) May '24 vs previous month
- Complaints +780 (+23%) May '24 vs previous month
- Complainants -133 (-42%) year on year
- Complaints -186 (-4%) year on year
- 44% of complaints lodged by 5 individuals

