

Environmental Effects

Q4 2026

Agenda

- Admin: Apologies and previous minutes
- Matters arising from previous meetings
- General Sustainability update
- Ground Noise Management Scheme
- Environmental Compliance
- AOB

General Sustainability Update

Andrew Goodchild

Supported by Sundar Muthuganesan

General sustainability update 2026

- Energy centre installation in progress – looking for completion in October
- 87% recycling Year to Date
 - 17% above target for 2026!
- Innovate UK Projects
 - Test flight hybrid hydrogen aircraft
 - Liquid hydrogen refueller trial
 - Liquid Hydrogen Supply Assurance and Architecture Study
- Electric Vehicles – 6 Landside EV buses now operating. 3 new EV vans to come into service by the end of the year



Ground Noise Management Scheme

Ground noise management scheme

- Approved by North Somerset Council (NSC) on 3rd July 2026.
- Final arrangements being made for scheme to be shared on the website for public use, and for EEWP group

Ground Monitor:

- Ground Monitor Location – as approved by NSC (map on next slide)
- Readings are taken 24 hours a day, seven days a week
- Currently calibrating, through testing to ensure accurate ground data
- Once data can be verified will look on how and when data can be shared
- Wind direction is not included within the readings
- Information will not feed into the published noise contours at this time – as these focus on air noise only (in accordance with 12mppa planning condition)



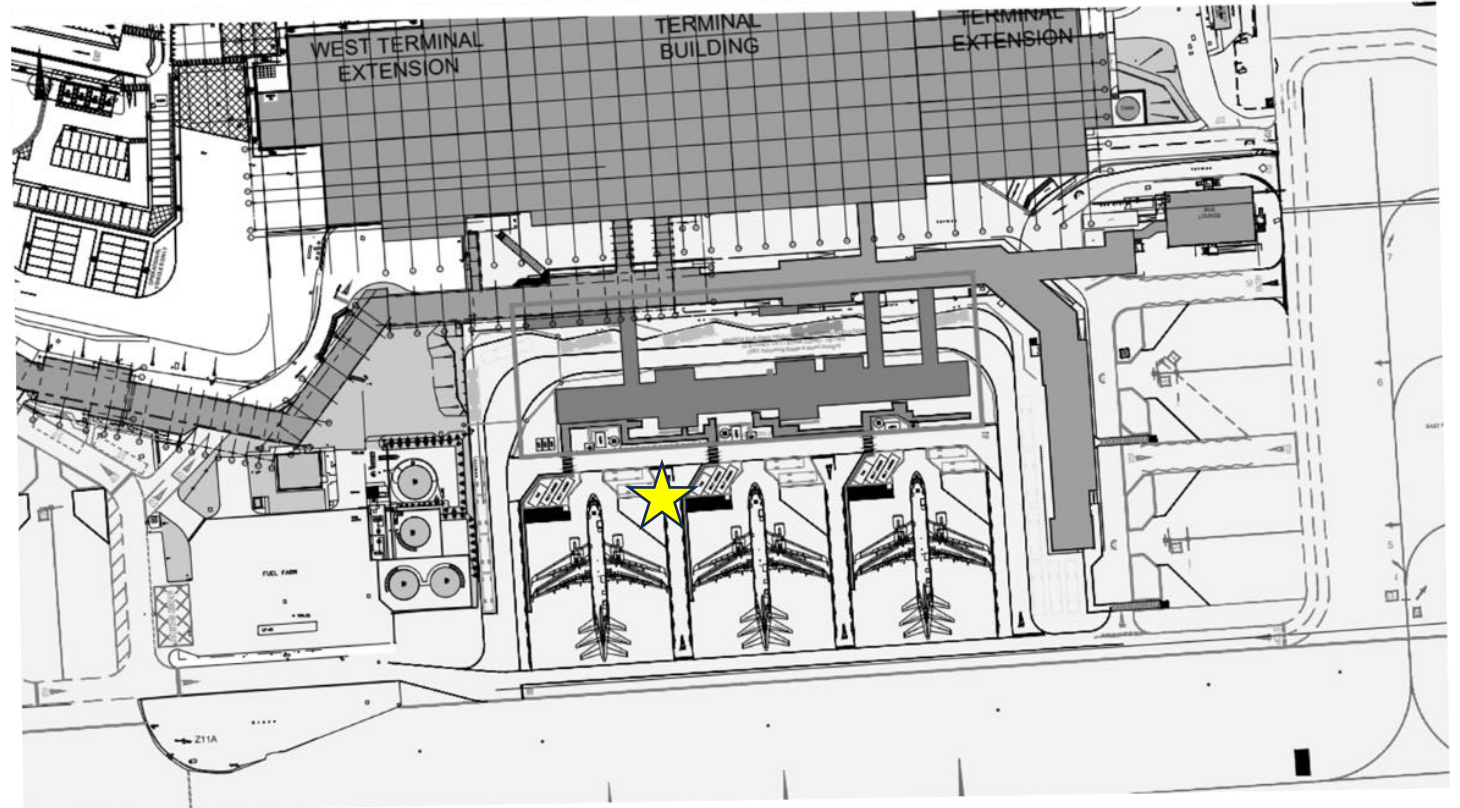
Ground noise monitor

The monitor is located on the South Gates on the Northside, by aircraft stands 1,2 and 3 and is on the main apron. It is the optimum location for picking up ground noise from aircraft operations, engine runs and other equipment and operations, as it is one of the most frequently used sections of the apron with well used stands at the airport.

This location is away from the public road, to avoid the extraneous variables of traffic.

Next steps:

Calibrating monitor to ensure it's only picking up ground noise and link to ANOMS system.



Ground noise management scheme

- **Auxiliary Power Unit (APU)** A small engine located on an aircraft that provides power for essential aircraft systems while the aircraft is parked on the ground or when an aircraft is in the arrival or departure stage.
- APU's are used for air conditioning and engine starts;
 - APU use is dependent on the stand facilities and weather conditions
 - Bristol Airport does have restrictions on use (with full details within the GNMS)
 - Including: APUs use only be used when FEGP and mobile GPUs are not available (subject to prior approval between 23:00 and 07:00) as well as timings, length of use, when and conditions.

Engine Run Up Bay

- Currently do not have one, but proposed within our 15mppa planning application linked to the MRO Hangar
- Bristol Airport does have nominated areas for high power runs which take into consideration local community impacts
- In 2025 there were 24 above idle engine runs

Engine Power during Engine Runs:

- In normal circumstances ground running of aircraft engines may only be carried out for periods not exceeding:
 - 2 minutes at high/full power;
 - 5 minutes at 50% power or less; or
 - 10 minutes at idle power.
- Only one engine run will be authorised at a time. If further engine runs are required on the same aircraft, separate approval is required.

Stand Use:

- Use is determined by aircraft preparation schedule (will be naturally restricted by flight schedule)
- Controls are in place for test runs

Ground noise management scheme

Acoustic barriers

- Full details are included within the ground noise management scheme:
 - A 3-metre-high noise attenuation acoustic fence has been erected along the edge of the aircraft stands on the Western Apron.
 - The Central Gate lounge provides attenuation of noise from stands 1 to 5.
 - Further noise attenuation has been provided by extensions of the west and east walkways/piers.
 - A 5-metre-high acoustic fence has been erected along the edge of the extension to the eastern apron stands.
 - In 2024, a 4-metre-high acoustic fence has been installed to the northern boundary of the Airport along the new perimeter road
- Additional information was presented by Bikerdike Allen on 15mppa plans.

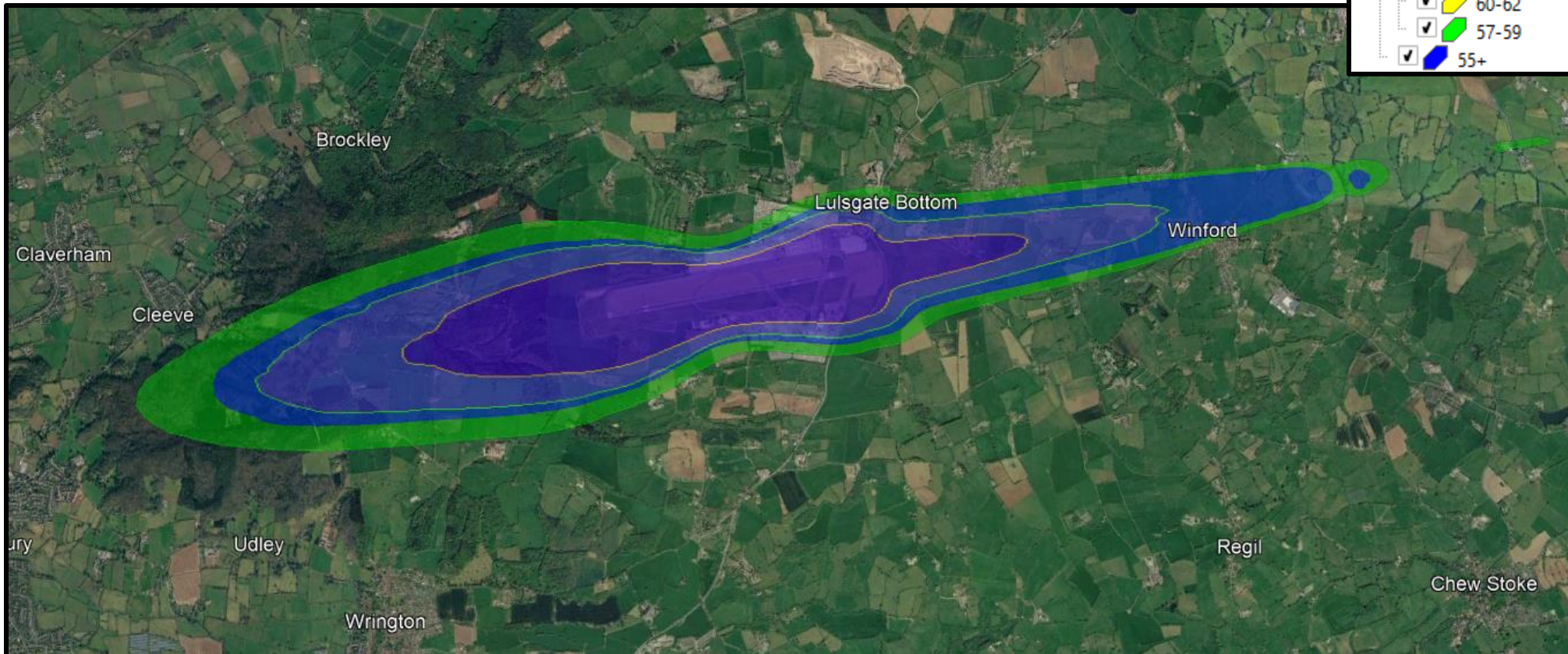
Environmental Update

Beth Wingfield

Environmental Compliance - Noise Mitigation Scheme

bristolairport.co.uk/corporate/community/noise-mitigation-grants/

- 49 approved applications for 2026
 - High number of applications compared to previous years
 - Additional funding of £69,000 provided by Bristol Airport to support all eligible applications



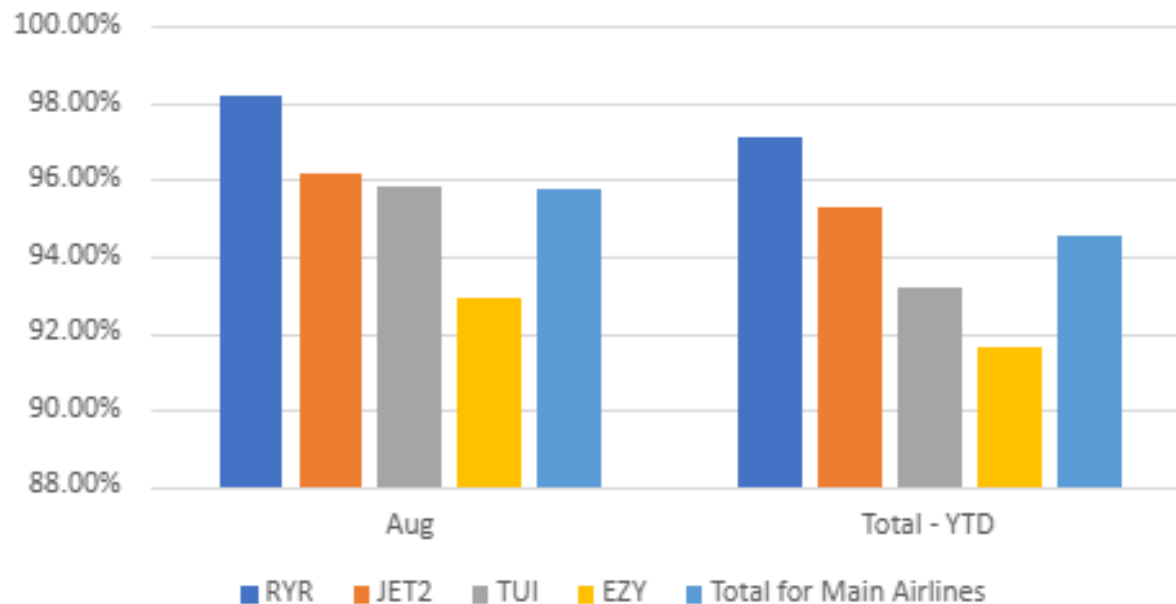
Continuous Descent Approaches



Track Keeping- within Departure Noise Preferential Routes

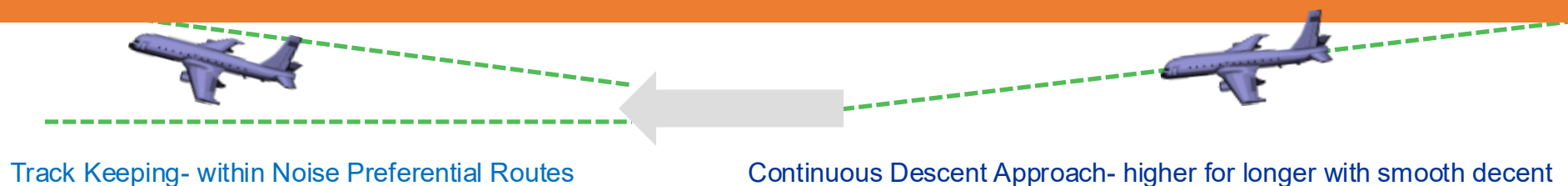
Continuous Descent Approach- higher for longer with smooth decent

CDA's - Main Airlines (Aug vs YTD)



Airlines - CDA %	Aug
RYR	98.20%
JET2	96.20%
TUI	95.80%
EZY	92.90%
Total for Main Airlines	95.78%

Airspace Activity- Track Keeping (NPR's) – All Airlines



2026	Departures	Violations	% on track
June	3818	35	99.08%
July	4020	57	98.58%
Aug	3956	55	98.61%
		3 Month Av YTD:	98.76% 99.0%

Data only inclusive of movements of Aircraft over 5700kg in 2025/6

Track keeping – up to 4,000ft

Noise Preferential Routes



This drawing contains Ordnance Survey data © Crown Copyright and database right 2023.

LEGEND:

- Bristol Airport Runway
- Departure Route Corridor

Rev	Date	Description	Initials

REVISIONS

**Bickerdike
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Technology

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Bristol Airport
Noise Action Plan

Departure Route Corridors

DRAWN: JC

CHECKED: NW

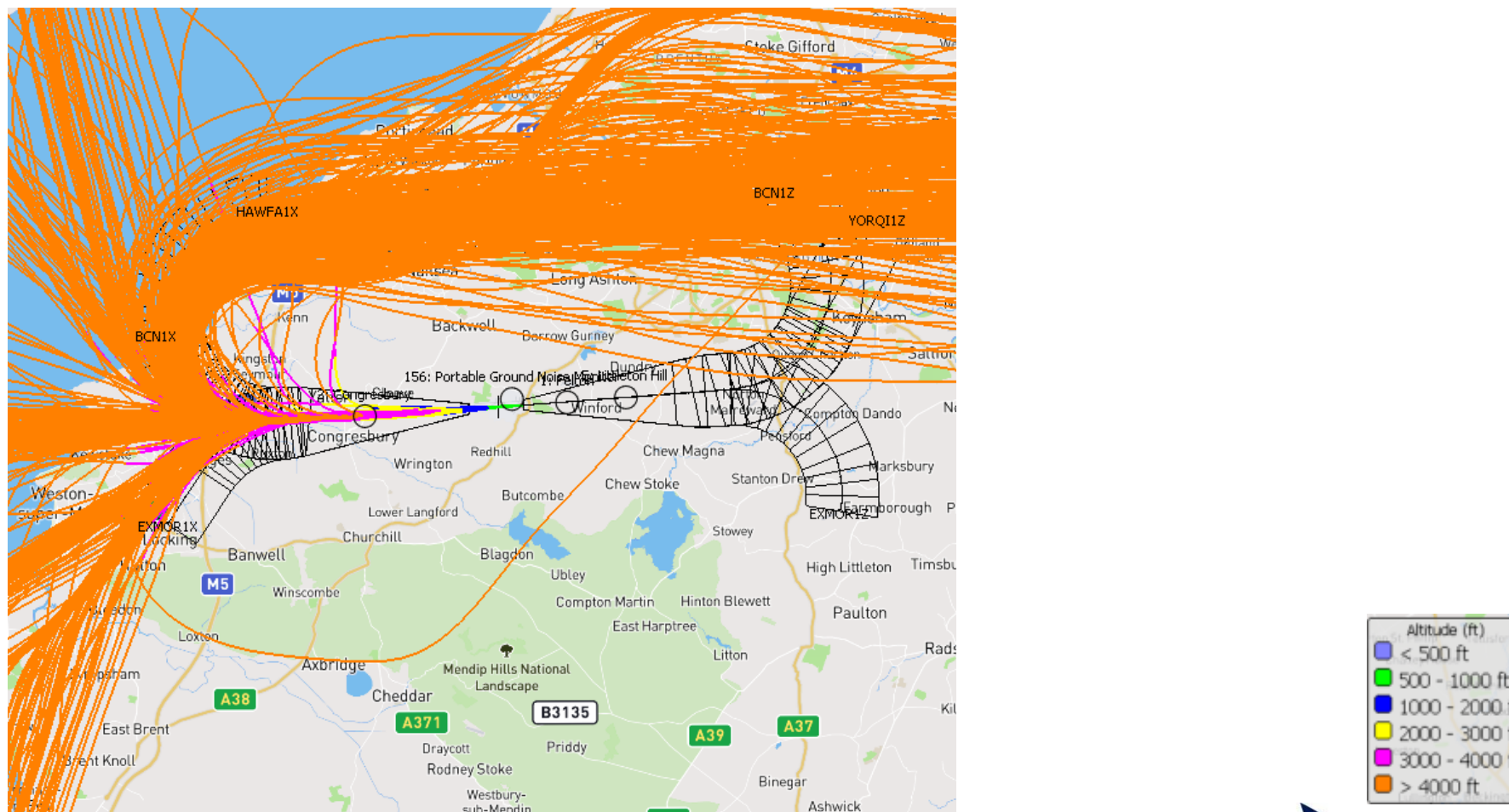
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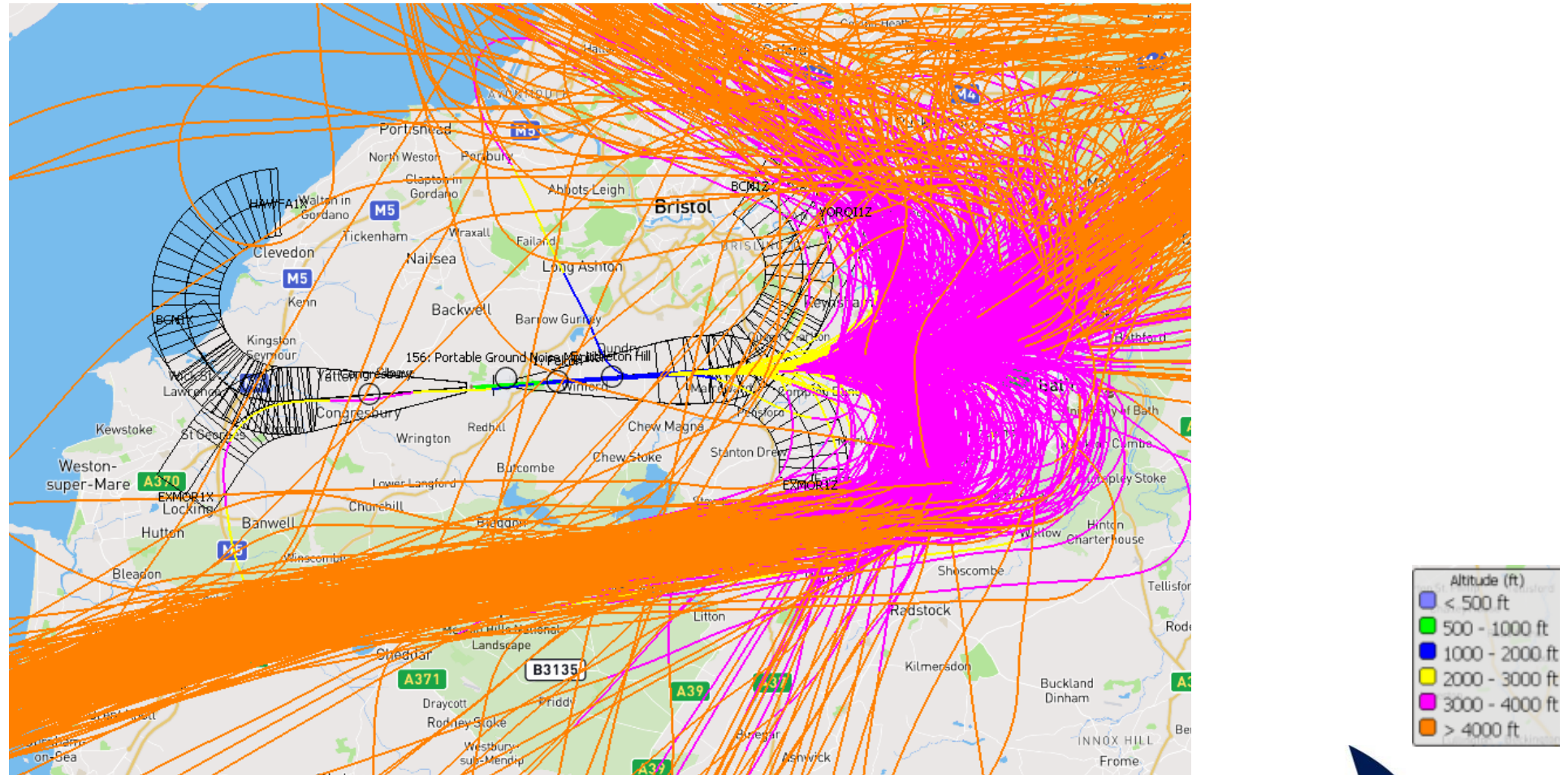
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Departure Tracks by Altitude – WC 07/09 (7 days)

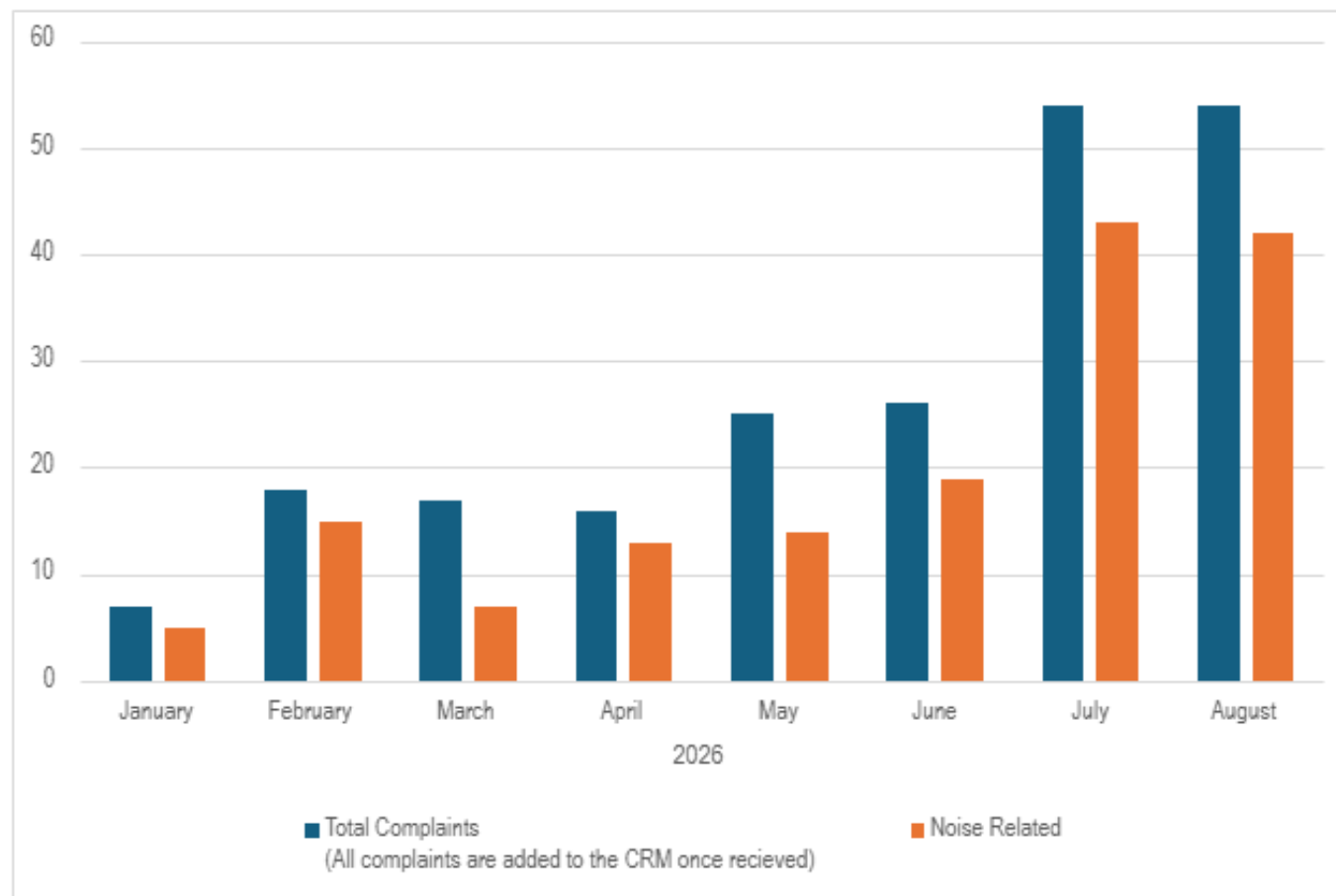


Arrival Tracks by Altitude – WC 07/09 (7 days)



Environmental Complaints – 2026

Category	Count of Category
Aircraft Night Noise	84
Aircraft Day Noise	47
Flightpath	21
Low Flying Aircraft	18
Odour	15
Ground Noise	8
Roads/Congestions/Parking	4
Helicopter Movement	4
Water/Flooding	3
Waste	3
Ground Noise	3
Noise Mitigation Scheme	2
Vortex	1
Pollution	1
Air Quality	1
Climate Change	1
Local Air Quality	1
Grand Total	217





To discuss:
Next dates:
2027 Dates
- 7th January 2027