

Wellington Airport Noise Compliance Reporting

March, April, May 2025

1. Noise Enquiries Received and Response
2. Noise Enquiries Graph
3. Curfew Movements Graph
4. Noise (Ldn) Compliance Graph
5. Monthly Monitoring Reports from Envirosuite Pty Limited
6. Annual Engine Testing Compliance Table

As reported to the
Air Noise Management Committee
9 June 2025

Noise Enquiries Summary *

Date	Time	Suburb	Query	Source / Action	Category
2/03/2025	2:46pm	Maupuia	Expressing concern of excessive noise pollution and asked if there are opportunities to speed up the process of the Quieter Homes package, noting their area (Area 6) does not roll out until 2026.	Explained that we are working through construction as quickly as possible, starting with those properties with the highest exposure to aircraft noise and working our way out. Unfortunately, this means there is no way to start the process earlier. Also gave an update on where the Quieter Homes programme is at (currently progressing work in Area 4 and have rolled out the applications in Area 5).	OTH
8/03/2025	6:03am	Crofton Downs	Notices morning Sounds Air flights are far louder than other aircraft types and get woken up in the morning.	If flight is flying in accordance with CAA regulations and outside of curfew, Airport has no control or jurisdiction. Airways also are responsible for directing air traffic.	OVR
25/03/2025	3:00am	Grenada Village	Flight during curfew woke them up. Noisy.	Flight was for a medical emergency and therefore is exempt from curfew. Would have taken most direct route.	OVR
10/04/2025		Southgate	Construction noise from 1am coming from Airport	Noise was likely coming from stage one preparatory works relating to the EMAS project which began on the evening of 07/04. Gave complainant a summary of what is happening in that area, including expected timeframes. Offered complainant to be added to night works notification list but no response.	OTH
19/04/2025	2:00am	Melrose	Loud plane taking off between 1:30 and 2am.	Two arrivals including a diverted flight from Samoa (originally headed to Auckland) and a flight from Brisbane. Both fit within the curfew exception for stat holidays whereby an additional 60 minutes is permitted.	OVR
5/05/2025	2:30am	Rongotai	Buzzing sound like cutting grass. Lost sleep because of it.	Noise was likely coming from stage one preparatory works relating to the EMAS project. Gave complainant a summary of what is happening in that area, including expected timeframes. Complainant should have also received a letter about works in March. Also provided them a copy of this. Offered complainant to be added to night works notification list but no response.	OTH
10/05/2025	7:50am	Te Aro	Loud helicopter hovering nonstop early Saturday morning waking everyone up	The helicopter flight in question (registration ZK-HMR) did not depart or arrive at the airport, meaning Wellington Airport has no control or jurisdiction. It was also operating outside the Airport's curfew hours. The flight departed and arrived at Queen's Wharf. Referred complainant to Aircraft operator and provided information on Webtrak for future enquiries.	OVR
24/05/2025	3:05am	Korokoro	Two low altitude flights woke them up - wanted to know who was operating them and why they were flown at this time in the morning.	Both flights were operating for the purpose of a medical emergency. Explained the curfew exception and that they would have taken the most direct route given the circumstances.	OVR

* Complaints relating to the new Divergent Missed Approach Flight Path (DMAPS) are recorded in a separate complaints register

GPU - GPU/APU use

MNT - WIAL Maintenance works

ENG - Engine testing

SIN - single noisy aircraft movement

CUR - airport movement during curfew hours

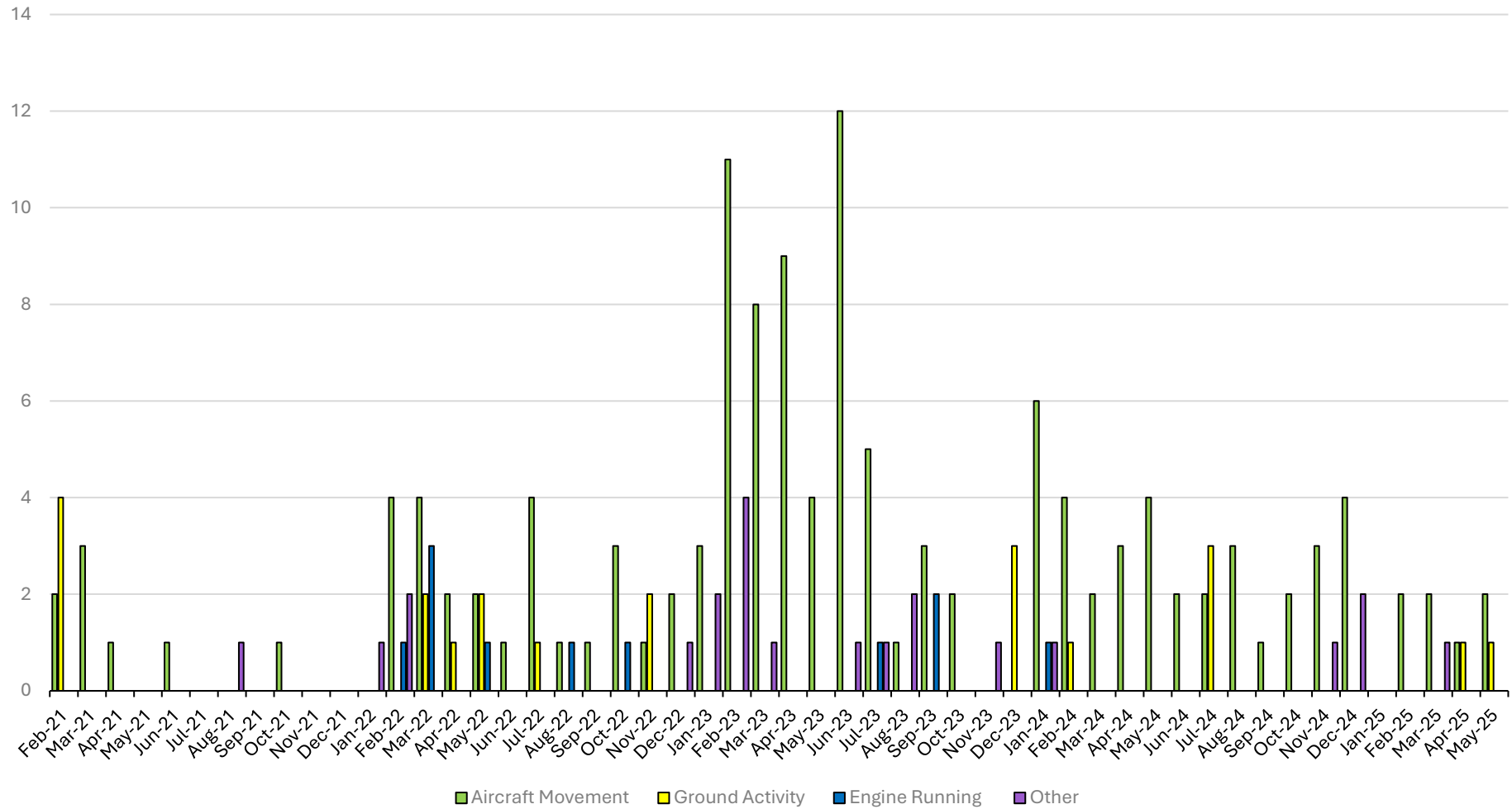
OVR - overflight/holding/circling aircraft

CAA - low flying/safety complaints

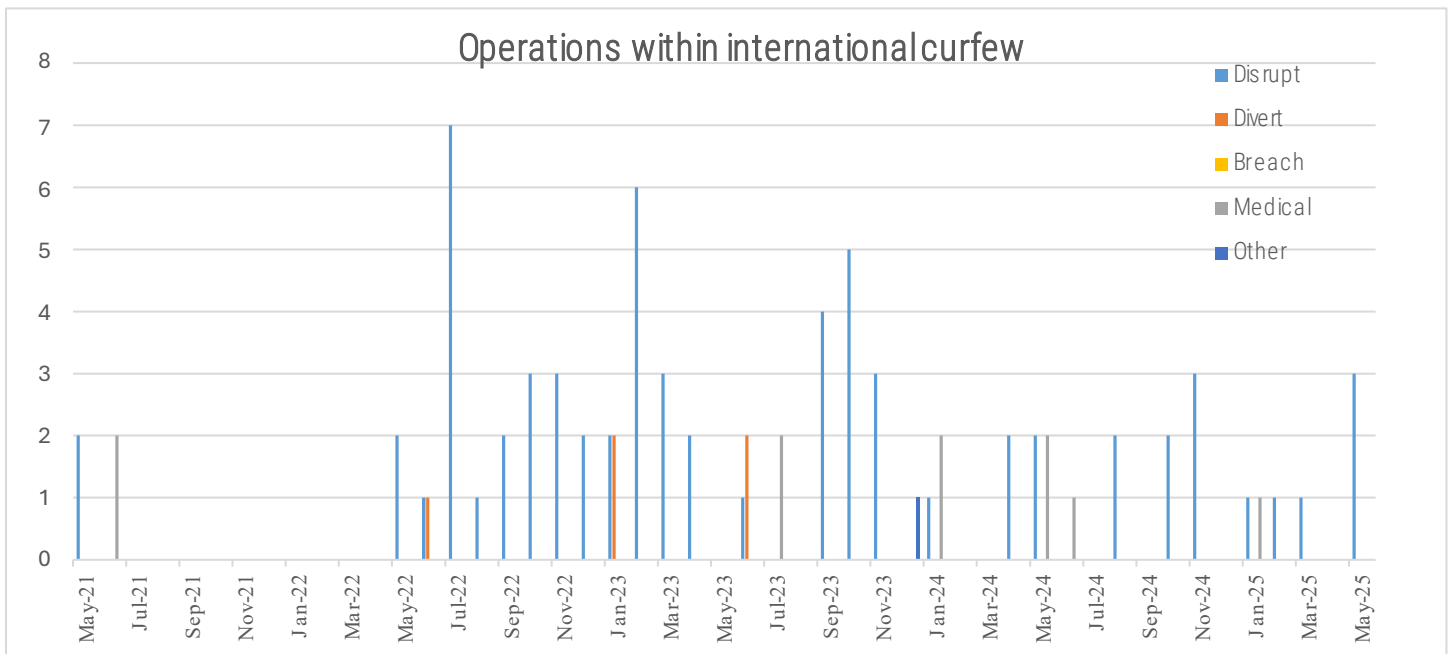
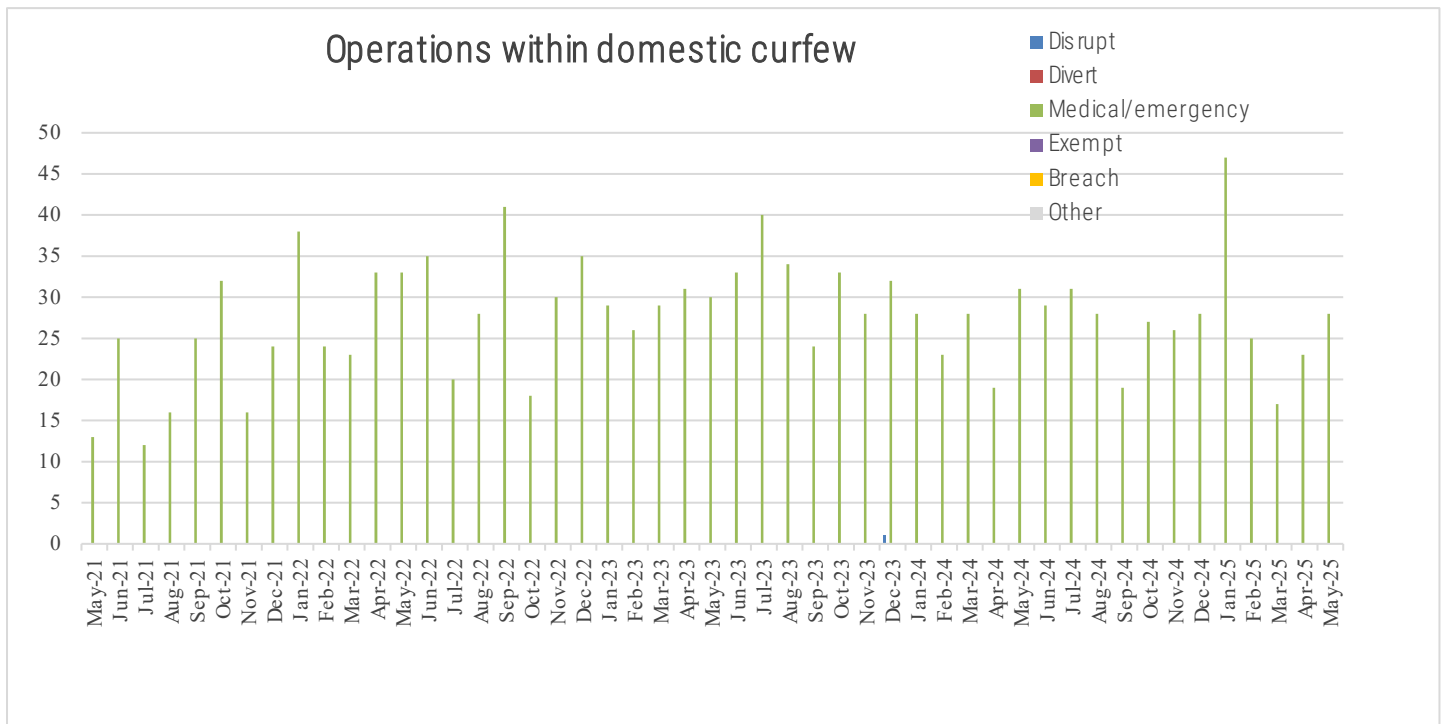
QRY - enquiries about rules etc

OTH - other feedback

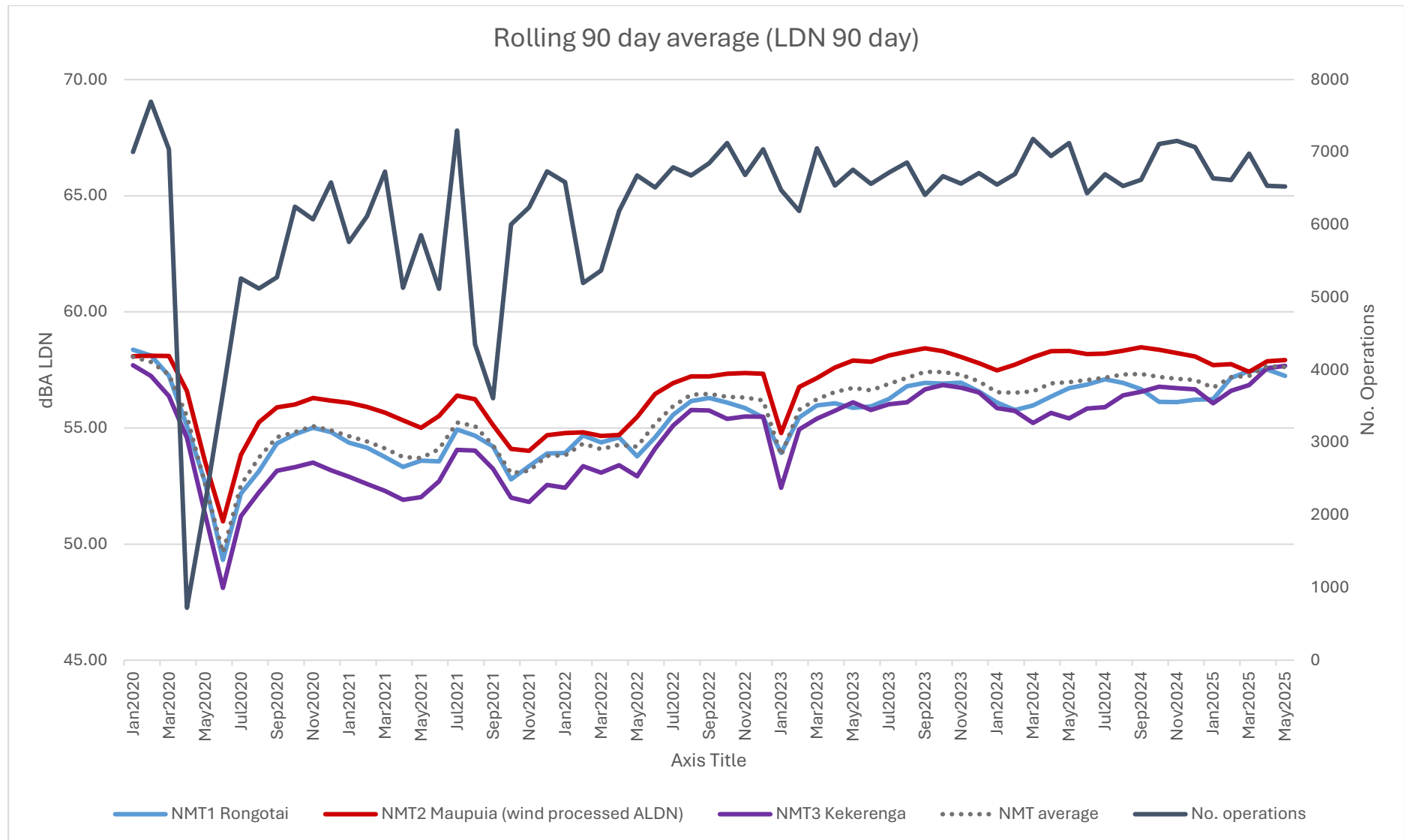
Noise Enquiries to end of May 2025



CURFEW GRAPHS



LDN COMPLIANCE GRAPH (as at May 2025)





WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Mar 2025

Provided By: Envirosuite
Date: 02 April, 2025



Table of Contents

SUMMARY	3
AIRCRAFT LDN	4
AIRCRAFT OPERATIONS	5
UNCORRELATED AIRCRAFT	7
CALIBRATION REPORT	9



Summary

This report contains the information required by WIAL as part of the Envirosuite Managed Noise Service Agreement. The month of March saw data collected from all three RMTs.

Wellington International Airport
Managed Noise Service
Monthly Report for Mar 2025

Aircraft LDN

Daily LDN Table
Mar 1, 2025 to Mar 31, 2025

	RMT 1 Rongatai	RMT 2 Maupuia	RMT 3 Kekrenga
01-Mar-25	57.7	57.7	58.9
02-Mar-25	56.5	59.6	57.3
03-Mar-25	56.7	59.6	58.4
04-Mar-25	56.7	55.1	54.7
05-Mar-25	60.3	58.7	57.0
06-Mar-25	57.7	55.6	54.1
07-Mar-25	57.1	59.2	57.9
08-Mar-25	54.4	56.6	53.3
09-Mar-25	58.6	55.3	53.0
10-Mar-25	54.6	57.9	58.6
11-Mar-25	58.4	58.8	61.9
12-Mar-25	58.8	58.2	55.2
13-Mar-25	57.2	56.6	54.7
14-Mar-25	55.5	59.8	57.9
15-Mar-25	55.7	56.1	55.3
16-Mar-25	58.3	57.6	58.9
17-Mar-25	58.8	45.1	60.7
18-Mar-25	60.7	56.3	61.0
19-Mar-25	58.2	56.6	58.6
20-Mar-25	58.7	56.4	55.0
21-Mar-25	55.9	55.3	54.6
22-Mar-25	54.3	57.7	55.9
23-Mar-25	55.2	59.6	58.3
24-Mar-25	56.1	54.7	54.9
25-Mar-25	57.2	58.6	56.7
26-Mar-25	54.4	55.1	54.1
27-Mar-25	55.2	59.4	57.3
28-Mar-25	57.9	55.2	55.6
29-Mar-25	53.7	54.0	54.3
30-Mar-25	55.7	58.4	57.2
31-Mar-25	58.1	54.9	54.8

Wellington International Airport
Managed Noise Service
Monthly Report for Mar 2025

Aircraft Operations

Operations Analysis
Mar 1, 2025 to Mar 31, 2025

Operation Type	Day	Night	Total
Arrival	3392	144	3536
Departure	3241	202	3443
Total	6633	346	6979

Jet	Day	Night	Total
A20N - Airbus A-320	67	52	119
A21N - Airbus A-321	53	7	60
A320 - Airbus - A320	1655	77	1732
B38M - Boeing 737 Max 8	18	0	18
B738 - Boeing - 737-800	173	69	242
B752 - Boeing - 757-200	10	0	10
BE40 - Beech - Beechjet 400/T-1 Jayhawk	2	0	2
C25A - Cessna Citation CJ2+	19	0	19
C25B - Cessna Citation CJ3 (twin-jet)	4	0	4
C510 - CESSNA CITIATION MUSTANG	10	0	10
C560 - Cessna - Citation 5	1	0	1
C680 - CESSNA - 680 Citation Sovereign L2J/M	6	0	6
E190 - Embraer E190	6	0	6
F900 - Dassault-Breguet - Falcon 900, Mystere 900 (T-18)	4	0	4
FA20 - Dassault-Breguet - Falcon 20, Mystere 20 (T-11)	1	1	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	2	0	2
FA7X - Dassault Falcon 7X	1	0	1
GLF6 - Gulfstream G650	2	0	2
Total	2034	206	2240

Wellington International Airport
Managed Noise Service
Monthly Report for Mar 2025

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	34	1	35
AT76 - Aerospatiale/Aeritalia - ATR-72-600	1024	25	1049
B350 - Beech - Super King Air 350	15	1	16
BE20 - Beech - Super King Air 200, 1300	403	37	440
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	6	0	6
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	767	40	807
C30J - C-130J Hercules	7	0	7
DH8C - Dehavilland - Dash 8, DHC8 - 300	1691	18	1709
JS31 - British Aerospace-BAe-3100 Jetstream 31	60	0	60
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	73	0	73
P46T - Piper - Malibu Meridian	2	0	2
PAY4 - Piper - Cheyenne 400	2	0	2
PC12 - Pilatus Flugzeugwerke Ag - PC-12	145	1	146
SF34 - Saab - SF-340	10	0	10
Total	4239	123	4362

Others	Day	Night	Total
A109 - AgustaWestland AW109	4	0	4
B06 - BELL B-206 JetRanger	2	0	2
BK17 - MBB/Kawasaki BK 117	70	14	84
BN2P - Britten Norman - BN-2A/B Islander, Defender	23	0	23
C152 - Cessna - Cessna 152	2	0	2
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	25	0	25
C185 - Cessna - Skywagon 185 (U-17A/B)	2	0	2
C206 - Cessna - Stationair 6, Turbo Stationair 6	14	0	14
CJ6 - Nanchang CJ-6	2	0	2
DA42 - DA-42 Diamond Twin Star	1	0	1
EC45 - Eurocopter EC145	1	0	1
GA8 - GippsAero GA8 Airvan	52	0	52
M9 - Beretta M9	6	0	6
MICR	1	0	1
MXS	2	0	2
NH90 - NH90 Caiman	6	1	7
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	30	2	32
P28R - Piper - Cherokee Arrow 2/3, Turbo Arrow 3	2	0	2
P32R - Piper - Cherokee Lance PA-32R, Saratoga SP, Turbo Saratoga SP	2	0	2
P8 - Boeing 737-800 Poseidon	1	0	1
PA34 - Piper - Seneca 2/3	11	0	11
PA38 - Piper - Tomahawk	84	0	84
PA44 - Piper - Seminole, Turbo Seminole	6	0	6
SR22 - Cirrus - SR-22	1	0	1
Unknown	10	0	10
Total	360	17	377

Category	Day	Night	Total
Jet	2034	206	2240
Turboprop	4239	123	4362
Other	360	17	377
Total	6633	346	6979

Wellington International Airport
Managed Noise Service
Monthly Report for Mar 2025

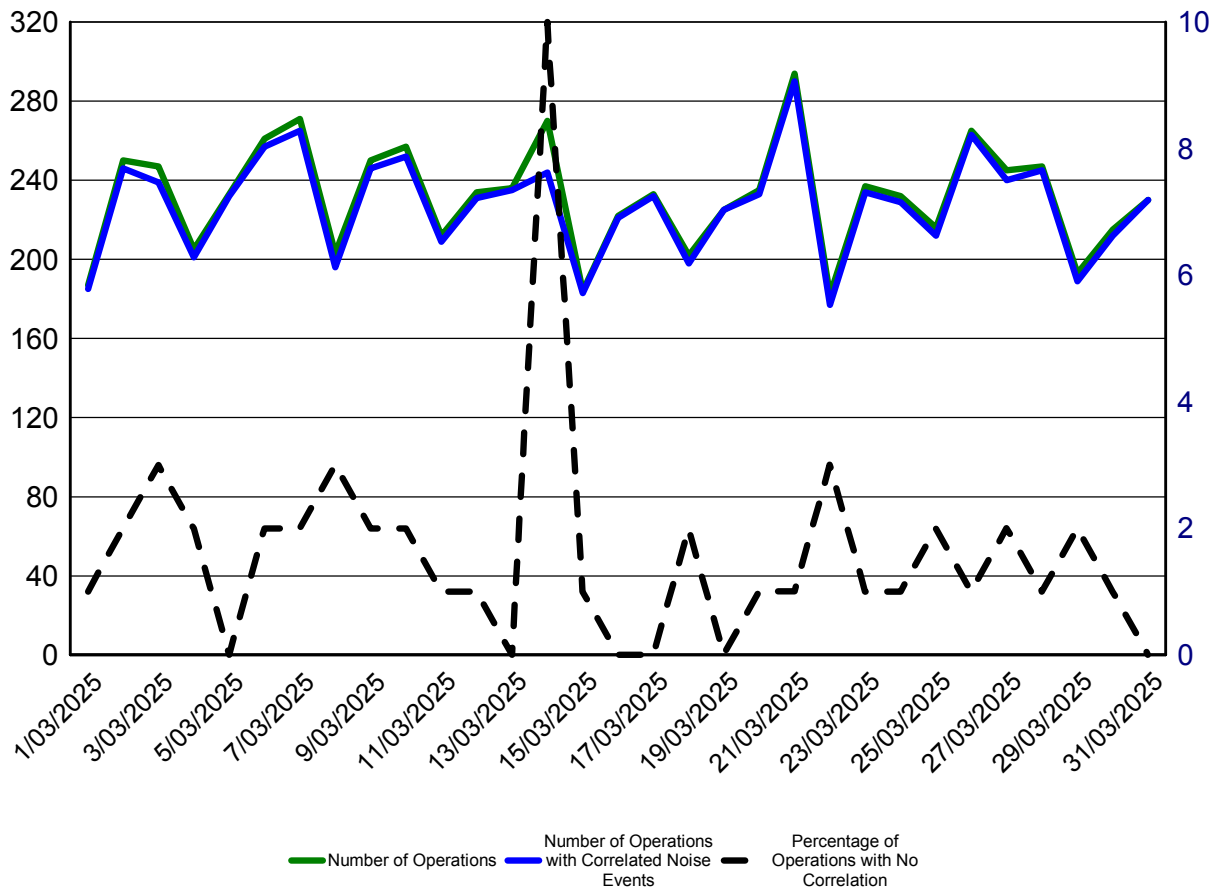
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis
Mar 1, 2025 to Mar 31, 2025

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-Mar-2025	187	185	1%	0
02-Mar-2025	250	246	2%	0
03-Mar-2025	247	239	3%	1
04-Mar-2025	205	201	2%	1
05-Mar-2025	233	232	0%	0
06-Mar-2025	261	257	2%	1
07-Mar-2025	271	265	2%	0
08-Mar-2025	203	196	3%	1
09-Mar-2025	250	246	2%	0
10-Mar-2025	257	252	2%	0
11-Mar-2025	212	209	1%	0
12-Mar-2025	234	231	1%	1
13-Mar-2025	236	235	0%	0
14-Mar-2025	270	244	10%	4
15-Mar-2025	184	183	1%	0
16-Mar-2025	222	221	0%	0
17-Mar-2025	233	232	0%	0
18-Mar-2025	202	198	2%	0
19-Mar-2025	225	225	0%	0
20-Mar-2025	235	233	1%	0
21-Mar-2025	294	290	1%	1
22-Mar-2025	182	177	3%	1
23-Mar-2025	237	234	1%	1
24-Mar-2025	232	229	1%	1
25-Mar-2025	216	212	2%	0
26-Mar-2025	265	263	1%	0
27-Mar-2025	245	240	2%	0
28-Mar-2025	247	245	1%	0
29-Mar-2025	193	189	2%	0
30-Mar-2025	215	212	1%	0
31-Mar-2025	230	230	0%	0

Wellington International Airport Managed Noise Service Monthly Report for Mar 2025

This graph shown below provides a summary of the noise correlation at Wellington Airport during March 2025



Wellington International Airport Managed Noise Service Monthly Report for Mar 2025

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
02-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
03-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
04-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
05-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
06-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
07-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
08-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
09-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
10-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
11-Mar-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
12-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
13-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
14-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
15-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
16-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
17-Mar-2025	-36.4	0.0	Success	-36.4	0.0	Success	-36.8	0.0	Success
18-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
19-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
20-Mar-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
21-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
22-Mar-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
23-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
24-Mar-2025	-36.4	-0.1	Success	-36.4	0.0	Success	-36.8	0.0	Success
25-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
26-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
27-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
28-Mar-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
29-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
30-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
31-Mar-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success



WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Apr 2025

Provided By: Envirosuite
Date: 01 May, 2025



Table of Contents

SUMMARY	3
AIRCRAFT LDN	4
AIRCRAFT OPERATIONS	5
UNCORRELATED AIRCRAFT	7
CALIBRATION REPORT	9



Summary

This report contains the information required by WIAL as part of the Envirosuite Managed Noise Service Agreement. The month of April saw data collected from all three RMTs.

Wellington International Airport
Managed Noise Service
Monthly Report for Apr 2025

Aircraft LDN

Daily LDN Table
Apr 1, 2025 to Apr 30, 2025

	RMT 1 Rongatai	RMT 2 Maupuia	RMT 3 Kekrenga
01-Apr-25	55.8	58.1	56.5
02-Apr-25	53.4	53.5	57.0
03-Apr-25	55.1	58.9	58.1
04-Apr-25	55.4	59.2	59.1
05-Apr-25	55.5	55.2	55.0
06-Apr-25	53.4	58.2	56.4
07-Apr-25	55.7	60.2	59.2
08-Apr-25	59.7	56.1	60.7
09-Apr-25	56.1	56.5	55.8
10-Apr-25	55.4	59.5	56.8
11-Apr-25	56.5	59.3	58.8
12-Apr-25	55.1	60.2	58.5
13-Apr-25	54.3	54.9	55.2
14-Apr-25	57.5	59.3	60.4
15-Apr-25	57.2	54.3	53.9
16-Apr-25	58.0	54.5	53.7
17-Apr-25	58.3	59.8	55.9
18-Apr-25	56.8	58.2	56.7
19-Apr-25	57.9	59.3	59.8
20-Apr-25	53.5	57.8	57.2
21-Apr-25	58.9	54.7	55.9
22-Apr-25	57.4	54.3	53.8
23-Apr-25	58.8	58.0	55.9
24-Apr-25	54.4	58.2	55.0
25-Apr-25	56.3	59.0	57.6
26-Apr-25	55.5	59.9	59.1
27-Apr-25	52.9	57.2	57.4
28-Apr-25	56.0	60.4	59.1
29-Apr-25	56.6	54.0	54.3
30-Apr-25	60.0	58.8	59.0

Wellington International Airport
Managed Noise Service
Monthly Report for Apr 2025

Aircraft Operations

Operations Analysis Apr 1, 2025 to Apr 30, 2025

Operation Type	Day	Night	Total
Arrival	3155	150	3305
Departure	3042	190	3232
Total	6197	340	6537

Jet	Day	Night	Total
A20N - Airbus A-320	72	60	132
A21N - Airbus A-321	55	3	58
A320 - Airbus - A320	1470	76	1546
B38M - Boeing 737 Max 8	26	0	26
B738 - Boeing - 737-800	176	75	251
B752 - Boeing - 757-200	2	0	2
BE40 - Beech - Beechjet 400/T-1 Jayhawk	2	0	2
C25A - Cessna Citation CJ2+	15	0	15
C25B - Cessna Citation CJ3 (twin-jet)	6	0	6
C510 - CESSNA CITIATION MUSTANG	29	0	29
C560 - Cessna - Citation 5	4	0	4
E190 - Embraer E190	8	0	8
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	4	0	4
Total	1869	214	2083

Wellington International Airport
Managed Noise Service
Monthly Report for Apr 2025

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	24	0	24
AT76 - Aerospatiale/Aeritalia - ATR-72-600	949	20	969
B350 - Beech - Super King Air 350	14	1	15
BE20 - Beech - Super King Air 200, 1300	348	41	389
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	12	0	12
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	724	38	762
C30J - C-130J Hercules	16	0	16
C425 - Cessna - Corsair/Conquest I-425	2	0	2
DH8C - Dehavilland - Dash 8, DHC8 - 300	1610	15	1625
JS31 - British Aerospace-BAe-3100 Jetstream 31	31	0	31
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	82	0	82
P46T - Piper - Malibu Meridian	2	0	2
PC12 - Pilatus Flugzeugwerke Ag - PC-12	140	2	142
SF34 - Saab - SF-340	12	0	12
Total	3966	117	4083

Others	Day	Night	Total
A109 - AgustaWestland AW109	4	0	4
BE58 - Beech - Baron58,Foxstar	2	0	2
BK17 - MBB/Kawasaki BK 117	64	9	73
BN2 - Britten-Norman BN-2 Islander	1	0	1
BN2P - Britten Norman - BN-2A/B Islander, Defender	11	0	11
BNP2	1	0	1
C152 - Cessna - Cessna 152	4	0	4
C17 - McDonnell-Douglas - Globemaster 3	2	0	2
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	35	0	35
C180 - Cessna - Skywagon 180 (U-17C)	2	0	2
C185 - Cessna - Skywagon 185 (U-17A/B)	6	0	6
C206 - Cessna - Stationair 6, Turbo Stationair 6	14	0	14
CJ6 - Nanchang CJ-6	4	0	4
DA62	2	0	2
GA8 - GippsAero GA8 Airvan	54	0	54
JS3A - British Aerospace (BAe) - Jetstream 3	6	0	6
M9 - Beretta M9	8	0	8
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	26	0	26
P8 - Boeing 737-800 Poseidon	2	0	2
PA34 - Piper - Seneca 2/3	4	0	4
PA38 - Piper - Tomahawk	88	0	88
PA44 - Piper - Seminole, Turbo Seminole	1	0	1
SR22 - Cirrus - SR-22	3	0	3
Unknown	18	0	18
Total	362	9	371

Category	Day	Night	Total
Jet	1869	214	2083
Turboprop	3966	117	4083
Other	362	9	371
Total	6197	340	6537

Wellington International Airport
Managed Noise Service
Monthly Report for Apr 2025

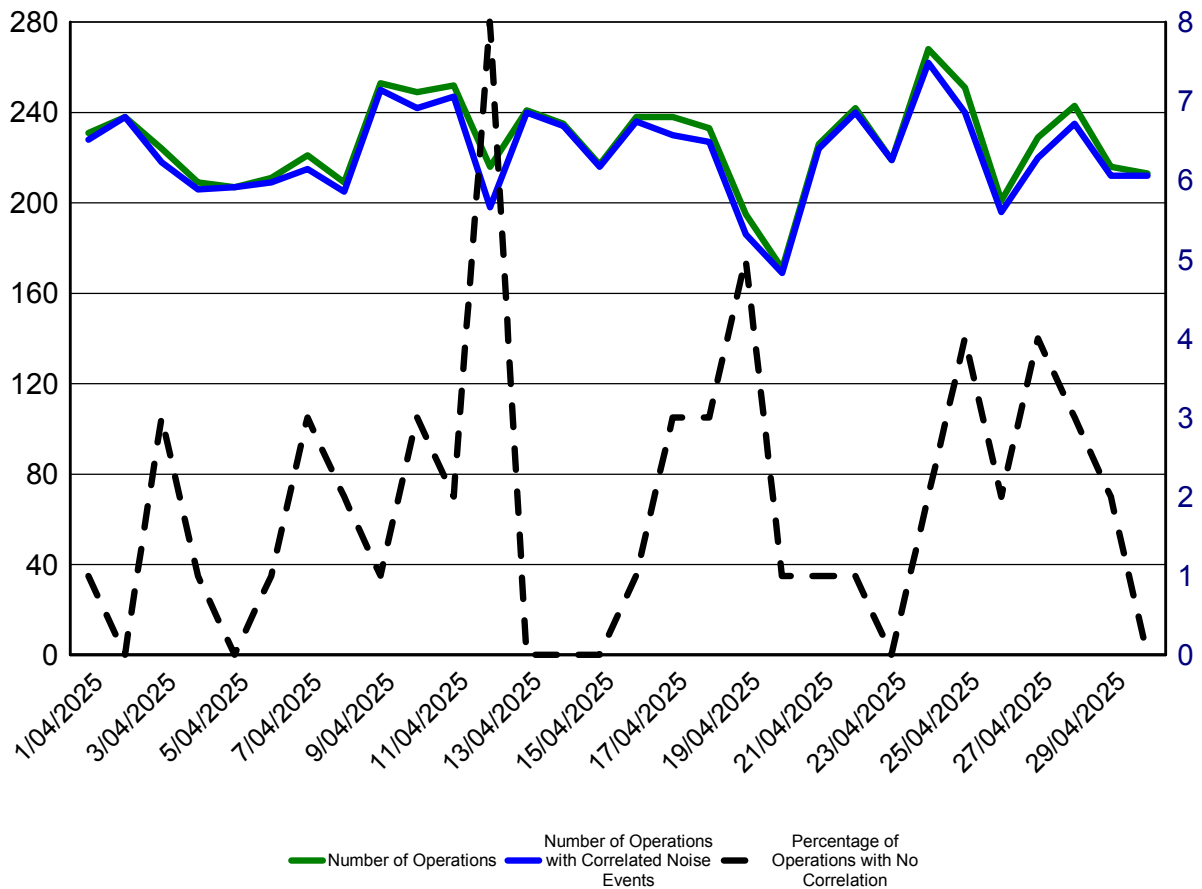
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis Apr 1, 2025 to Apr 30, 2025

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-Apr-2025	231	228	1%	0
02-Apr-2025	238	238	0%	0
03-Apr-2025	224	218	3%	0
04-Apr-2025	209	206	1%	0
05-Apr-2025	207	207	0%	0
06-Apr-2025	211	209	1%	0
07-Apr-2025	221	215	3%	0
08-Apr-2025	209	205	2%	0
09-Apr-2025	253	250	1%	1
10-Apr-2025	249	242	3%	1
11-Apr-2025	252	247	2%	0
12-Apr-2025	216	198	8%	1
13-Apr-2025	241	240	0%	0
14-Apr-2025	235	234	0%	1
15-Apr-2025	217	216	0%	0
16-Apr-2025	238	236	1%	0
17-Apr-2025	238	230	3%	0
18-Apr-2025	233	227	3%	0
19-Apr-2025	195	186	5%	2
20-Apr-2025	171	169	1%	0
21-Apr-2025	226	224	1%	0
22-Apr-2025	242	240	1%	0
23-Apr-2025	219	219	0%	0
24-Apr-2025	268	262	2%	0
25-Apr-2025	251	240	4%	1
26-Apr-2025	201	196	2%	1
27-Apr-2025	229	220	4%	4
28-Apr-2025	243	235	3%	2
29-Apr-2025	216	212	2%	0
30-Apr-2025	213	212	0%	1

Wellington International Airport Managed Noise Service Monthly Report for Apr 2025

This graph shown below provides a summary of the noise correlation at Wellington Airport during April 2025



Wellington International Airport
Managed Noise Service
Monthly Report for Apr 2025

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
02-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
03-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
04-Apr-2025	-36.2	0.2	Success	-36.4	0.0	Success	-36.8	0.0	Success
05-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
06-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
07-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
08-Apr-2025	-36.5	-0.1	Success	-36.4	0.0	Success	-36.8	0.0	Success
09-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
10-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
11-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
12-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
13-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
14-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
15-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
16-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
17-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
18-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
19-Apr-2025	-36.4	0.0	Success	-36.5	0.0	Success	-36.8	0.0	Success
20-Apr-2025	-36.3	0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
21-Apr-2025	-36.6	-0.2	Success	-36.4	0.0	Success	-36.8	0.0	Success
22-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
23-Apr-2025	-36.5	-0.1	Success	-36.5	-0.1	Success	-36.8	0.0	Success
24-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
25-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
26-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
27-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
28-Apr-2025	-36.4	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
29-Apr-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
30-Apr-2025	-36.4	-0.1	Success	-36.4	0.0	Success	-36.8	0.0	Success



WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: May 2025

Provided By: Envirosuite
Date: 01 June, 2025



Table of Contents

SUMMARY	3
AIRCRAFT LDN	4
AIRCRAFT OPERATIONS	5
UNCORRELATED AIRCRAFT	7
CALIBRATION REPORT	9

Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

Summary

This report contains the information required by WIAL as part of the Envirosuite Managed Noise Service Agreement. The month of May saw data collected from all three RMTs with exceptions as follows:

NMT 3 incomplete hourly data between 2nd May 2025 19:00:00 to 20th May 2025 12:59:59 due to FA10 issues. FA10 replaced on the 20th May 2025. HUB#20388808

Note: Between 2nd May 2025 19:00:00 to 20th May 2025 12:59:59, the Percentage of Operations With No Correlated Noise Events are higher than other days due to incomplete hourly data caused by NMT3 FA10 issues.

Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

Aircraft LDN

Daily LDN Table
May 1, 2025 to May 31, 2025

	RMT 1 Rongatai	RMT 2 Maupuia	RMT 3 Kekerenga St
01-May-25	56.0	54.1	61.7
02-May-25	60.6	60.3	60.3
03-May-25	56.1	54.6	0.0
04-May-25	57.3	55.2	0.0
05-May-25	57.0	59.3	0.0
06-May-25	56.1	60.1	0.0
07-May-25	59.1	60.3	0.0
08-May-25	55.7	61.6	0.0
09-May-25	58.9	58.8	0.0
10-May-25	54.0	55.4	0.0
11-May-25	57.5	55.6	0.0
12-May-25	57.2	59.3	0.0
13-May-25	57.3	57.3	0.0
14-May-25	56.7	55.5	0.0
15-May-25	57.7	57.6	0.0
16-May-25	54.9	59.7	0.0
17-May-25	57.0	58.5	0.0
18-May-25	63.6	55.4	0.0
19-May-25	59.6	56.7	0.0
20-May-25	57.4	58.6	54.2
21-May-25	55.7	56.7	55.2
22-May-25	54.7	58.8	56.9
23-May-25	56.7	57.5	55.9
24-May-25	55.0	58.4	57.9
25-May-25	57.2	57.8	60.3
26-May-25	61.3	57.6	62.6
27-May-25	54.6	58.7	57.3
28-May-25	56.9	59.4	58.2
29-May-25	56.7	58.4	57.5
30-May-25	56.4	60.2	58.1
31-May-25	56.2	59.2	58.4

Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

Aircraft Operations

Operations Analysis
May 1, 2025 to May 31, 2025

Operation Type	Day	Night	Total
Arrival	3166	151	3317
Departure	3013	198	3211
Total	6179	349	6528

Jet	Day	Night	Total
A20N - Airbus A-320	62	45	107
A21N - Airbus A-321	52	11	63
A320 - Airbus - A320	1572	69	1641
B38M - Boeing 737 Max 8	16	0	16
B738 - Boeing - 737-800	154	78	232
B752 - Boeing - 757-200	8	0	8
C25A - Cessna Citation CJ2+	12	0	12
C25B - Cessna Citation CJ3 (twin-jet)	8	0	8
C510 - CESSNA CITIATION MUSTANG	18	0	18
C680 - CESSNA - 680 Citation Sovereign L21/M	2	0	2
E190 - Embraer E190	10	0	10
E55P - Embraer EMB-505 Phenom 300	2	0	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	4	0	4
GA5C - Gulfstream Aerospace Gulfstream G500 (twin-jet)	1	0	1
GLEX - Bombardier GLOBAL EXPRESS/Sentinel	2	0	2
Total	1923	203	2126

Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	24	0	24
AT76 - Aerospatiale/Aeritalia - ATR-72-600	905	22	927
B200	2	0	2
B350 - Beech - Super King Air 350	30	2	32
BE20 - Beech - Super King Air 200, 1300	349	40	389
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	38	4	42
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	708	41	749
C30J - C-130J Hercules	12	0	12
DH8C - Dehavilland - Dash 8, DHC8 - 300	1525	18	1543
JS31 - British Aerospace-BAe-3100 Jetstream 31	30	0	30
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	74	0	74
PAY4 - Piper - Cheyenne 400	2	0	2
PC12 - Pilatus Flugzeugwerke Ag - PC-12	168	6	174
SF34 - Saab - SF-340	12	0	12
TEX2 - Beechcraft T-6A Texan II	2	0	2
Total	3881	133	4014

Others	Day	Night	Total
A109 - AgustaWestland AW109	4	0	4
BK17 - MBB/Kawasaki BK 117	107	12	119
BN2P - Britten Norman - BN-2A/B Islander, Defender	6	0	6
C152 - Cessna - Cessna 152	3	0	3
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	35	0	35
C177 - Cessna - Cardinal 177	2	0	2
C185 - Cessna - Skywagon 185 (U-17A/B)	1	0	1
C206 - Cessna - Stationair 6, Turbo Stationair 6	10	0	10
C82S - Cessna T182 Turbo Skylane	2	0	2
GA8 - GippsAero GA8 Airvan	47	0	47
JS3A - British Aerospace (BAe) - Jetstream 3	2	0	2
M9 - Beretta M9	8	0	8
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	38	0	38
P32R - Piper - Cherokee Lance PA-32R, Saratoga SP, Turbo Saratoga SP	1	0	1
P68 - Partenavia Construzioni Aeronautiche SpA - P68/B/C/-TC,Victor, Observer/P68R	1	0	1
PA38 - Piper - Tomahawk	92	0	92
SR22 - Cirrus - SR-22	7	0	7
Unknown	9	1	10
Total	375	13	388

Category	Day	Night	Total
Jet	1923	203	2126
Turboprop	3881	133	4014
Other	375	13	388
Total	6179	349	6528

Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

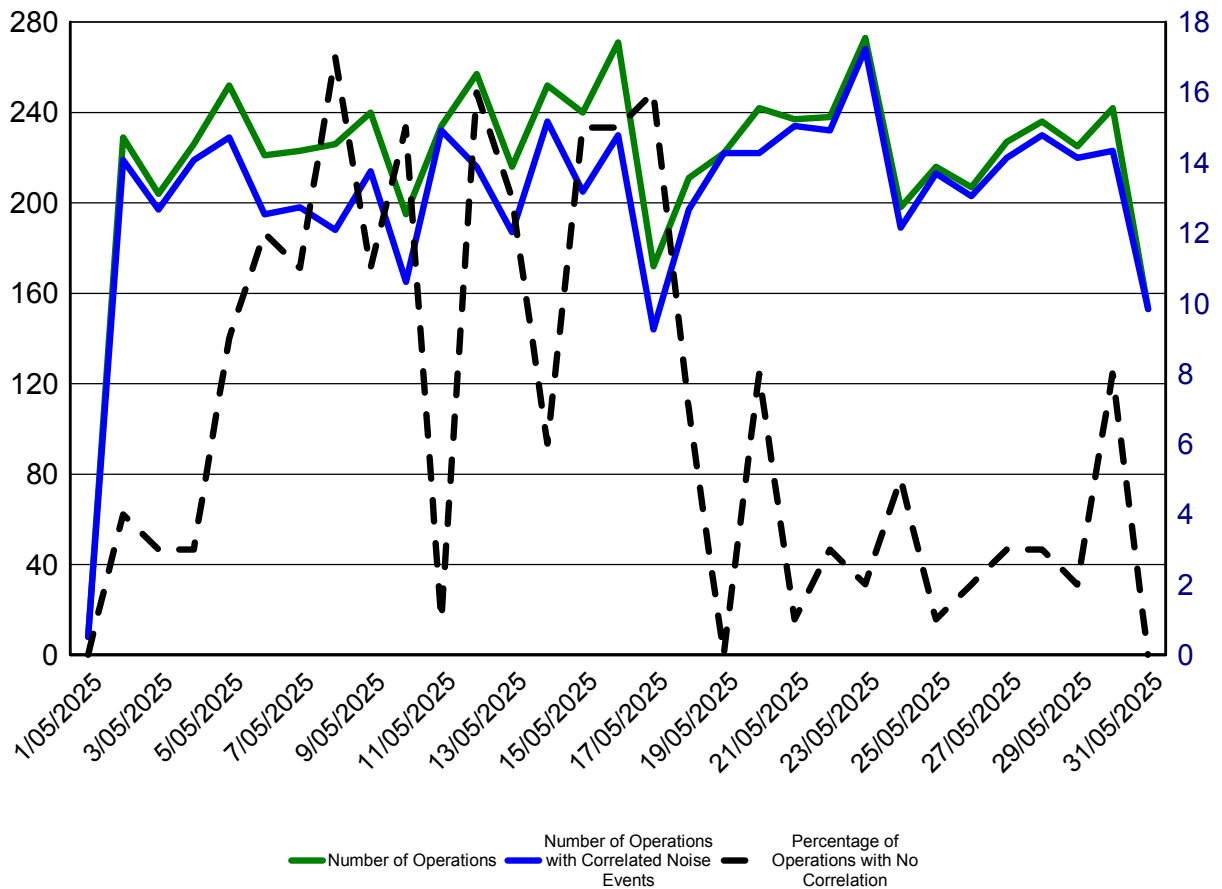
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis May 1, 2025 to May 31, 2025

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-May-2025	8	8	0%	0
02-May-2025	229	219	4%	1
03-May-2025	204	197	3%	0
04-May-2025	226	219	3%	0
05-May-2025	252	229	9%	1
06-May-2025	221	195	12%	4
07-May-2025	223	198	11%	10
08-May-2025	226	188	17%	2
09-May-2025	240	214	11%	0
10-May-2025	195	165	15%	2
11-May-2025	234	232	1%	1
12-May-2025	257	216	16%	1
13-May-2025	216	187	13%	2
14-May-2025	252	236	6%	2
15-May-2025	240	205	15%	1
16-May-2025	271	230	15%	6
17-May-2025	172	144	16%	1
18-May-2025	211	197	7%	1
19-May-2025	222	222	0%	0
20-May-2025	242	222	8%	0
21-May-2025	237	234	1%	0
22-May-2025	238	232	3%	1
23-May-2025	273	268	2%	0
24-May-2025	198	189	5%	0
25-May-2025	216	213	1%	2
26-May-2025	207	203	2%	0
27-May-2025	227	220	3%	0
28-May-2025	236	230	3%	1
29-May-2025	225	220	2%	1
30-May-2025	242	223	8%	4
31-May-2025	153	153	0%	0

Wellington International Airport Managed Noise Service Monthly Report for May 2025

This graph shown below provides a summary of the noise correlation at Wellington Airport during May 2025



Wellington International Airport
Managed Noise Service
Monthly Report for May 2025

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.7	0.0	Success
02-May-2025	-36.4	-0.1	Success	-36.5	-0.1	Success	-36.8	0.0	Success
03-May-2025	-36.4	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
04-May-2025	-36.4	-0.1	Success	-36.5	-0.1	Success	0.0	0.0	
05-May-2025	-36.4	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
06-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
07-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
08-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
09-May-2025	-36.4	-0.1	Success	-36.4	0.0	Success	0.0	0.0	
10-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
11-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
12-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
13-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
14-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
15-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
16-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
17-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	
18-May-2025	-36.5	-0.1	Success	-36.2	0.2	Success	0.0	0.0	
19-May-2025	-36.5	-0.1	Success	-36.4	0.1	Success	0.0	0.0	
20-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
21-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.7	0.1	Success
22-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.7	0.0	Success
23-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
24-May-2025	-36.5	-0.1	Success	-36.5	-0.1	Success	-36.8	0.0	Success
25-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
26-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	Unknown
27-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
28-May-2025	-36.5	-0.1	Success	-36.5	-0.1	Success	-36.8	0.0	Success
29-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	0.0	0.0	Background Noise Level Hi
30-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success
31-May-2025	-36.5	-0.1	Success	-36.5	0.0	Success	-36.8	0.0	Success

ENGINE TESTING BETWEEN 20:00 AND 23:00 IN FY25

Date	Rego	A/C Type	Start	End	Total time (mins)	Power	Location	Reason for Test	Essential/Non-Scheduled?	Compliant location and timeframe?
27/08/2024	ZK-NEO	Q300	20:05	20:10	5	Idle	Stand 11	Engine start problem.	Y	Y
11/11/2024	ZK-NNE	A321	21:04	21:29	5	80%	TWY A South of TWY B10	#2 engine buffer. Air cooling valve fault confirmation.	Y	Y
29/01/2025	ZK-MVZ	ATR72	20:35	20:45	10	Idle	Stand 72	#1 Engine bleed fault	Y	Y
1/02/2025	ZK-OJS	A320	21:20	21:30	10	Idle	Stand 17	OP test of elevator servo valve change with engine power switching after RTB earlier in the day.	Y	Y