



Wellington Airport

Noise Compliance Reporting

December 2023 and January/February 2024

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

As reported to the
Air Noise Management Committee

11 March 2024

Noise Enquiries Summary *

Date	Time	Suburb	Query	Source / Action	Category
5/12/2023		Melrose	In the morning at 04.30am, there seemed to be some planes making noise. Wanted to know what was going on.	After checking CCTV our Operations Duty Manager confirmed that there were no planes in operation at that time. There were works on the airfield (Taxi way Bravo) at this time, however our Airfield Works Coordinator confirmed that works would not have generated much noise as these were mostly line marking.	OTH
20/12/2023		Rongotai	Complained via phone of lawn mowing along the western banks of the runway at 2am. Requested that he and other neighbours be notified of such works.	Explained that these types of works unfortunately have to be done during curfew due to safety constraints. Have added complainant to night works notifications list and offered to add his neighbours.	MNT
20/12/2023	1:30am	Rongotai	Complained of lawn mowing along western banks of the runway during the night.	Explained that these types of works unfortunately have to be done during curfew due to safety and operational constraints. Have offered to add complainant to night works notifications list. Complainant responded with the opinion that they can be done during the day and would like to know about any risk assessments the airport has done. Provided background info (including CAA requirements) on why we mow embankments during the night.	MNT
5/01/2024	10:50am	Korokoro	5-6 large planes flying over Petone Korokoro this morning. Concerned with noise. All around 9:30am.	This was a call through IOC. On 15/01/24 Lorraine called JD back after leaving her a voicemail on 09/01/2024. Flights were above 4000ft and explained if an aircraft is flying in accordance with all CAA rules and within normal flying hours, the Airport has no control or jurisdiction. Provided a CAA phone number to call if they think an aircraft is noisy and too low.	OVR
7/01/2024	1:21am	Johnsonville	Overflying aircraft woke them and their family up. Asked why there was a flight during curfew.	Reviewed WebTrak. Flight was an Air Ambulance. Explained curfew exemptions to complainant.	CUR
23/01/2024		Strathmore Park	Enquiring about two flights on separate occasions in the early hours of 20/01 & 22/01.	Reviewed WebTrak. Both flights were Air Ambulances. Explained curfew exemptions to complainant.	CUR
24/01/2024	1:02am	Broadmeadows	Qantas flight QFA163 landed at 1:09am during curfew. Wanted an explanation for the delayed flight.	Confirmed that the flight was disrupted due to engineering issues. Explained that aircraft operations associated with disrupted flights are permitted for up to an additional 30 minutes (as per Condition 27(a)). KS replied complaining that the airline is frequently delayed at this time and believes it no longer fits the definition of disrupted. Also asked what the minimum altitude for flying at their gradient is. JD responded with Airways explanation and CAA minimum height rules.	CUR
25/01/2024			Qantas flight QFA163 landed at 1:09am during curfew and disturbed sleep. Also complained about the 6am departure and asked why the plane could not be rerouted.	Confirmed that the flight was disrupted due to engineering issues. Explained that aircraft operations associated with disrupted flights are permitted for up to an additional 30 minutes (as per Condition 27(a)). Also clarified that Airways is responsible for directing airtraffic in NZ airspace in accordance with CAA rules and regs. Suggested that if they believe the aircraft operator isn't taking enough care to reduce noise for residents that they contact the airline directly.	CUR
29/01/2024			Complained of increase in delayed flights recently.	Explained that if an aircraft is flying in accordance with all CAA rules and regulations and within the normal flying hours for Wellington Airport, the Airport has absolutely no control or jurisdiction. Again, if they believe the aircraft operator isn't taking enough care to reduce noise, they can contact them directly.	CUR

31/01/2024		Miramar	Wanted to know if home was included in the Quieter Homes programme. Complained about noise from Airport getting worse as it has grown in area and being woken by various noises including intercom announcements and aircraft noise.	Confirmed that their home is outside the Air Noise Boundary so quieter homes programme does not apply. Offered to provide some background to the early intercom announcements and explained that the airport has not increased in area for some time, and the curfew has not changed for some time either. Directed them to our air noise webpage.	OTH
2/02/2024		Hataitai	Complained of flights within curfew noting jet departure at 11:40pm. Follow up complaint that we don't comply with 10pm curfew or District Plan noise limits, and that noise monitors do not appropriately monitor aircraft noise	Explained that this flight was not within curfew and explained curfew rules. Follow up response that the airport fully complies with all noise limits	CUR
4/02/2024		Johnsonville	Complained of flights within curfew noting 12:45am arrival	Explained curfew exemptions and that this was a Life Flight Trust helicopter	CUR
14/02/2024		Strathmore Park	Complained of noise similar to an APU at 3:50am and continuing for some time. Wants to know if something can be done to avoid producing this noise and would like statistics covering APU use outside of curfew.	Airfield Works Coordinator confirmed there was no APU use at this time and the most likely noise source was from the miller and paver used for resurfacing works at stands 78/79 (between main terminal building and runways in the Eastern Apron). This activity was included in the week's airport noise notification email. Advised complainant of timeframe for this and offered to keep him informed of any updates to this.	MNT
15/02/2024		Roseneath	Complained of common noisy aircraft (GBY214) over home. Understands that what they are doing is legal but wants a complaint registered.	Confirmed that their complaint has been registered but as they mentioned, the flight is in compliance with CAA rules and as such the airport has no control or jurisdiction.	OVR
29/02/2024	9:10pm	Korokoro	Just been woken up by overhead flight, believes in the past month that flight routes have shifted and would like them altered by 150m-200m southward.	Reviewed WebTrak and confirmed that this particular flight was a medial flight (helicopter) heading to Wellington Airport. For understandable reasons, they were likely taking the most direct route. Have provided link to WebTrak for further enquiries about overhead flights.	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

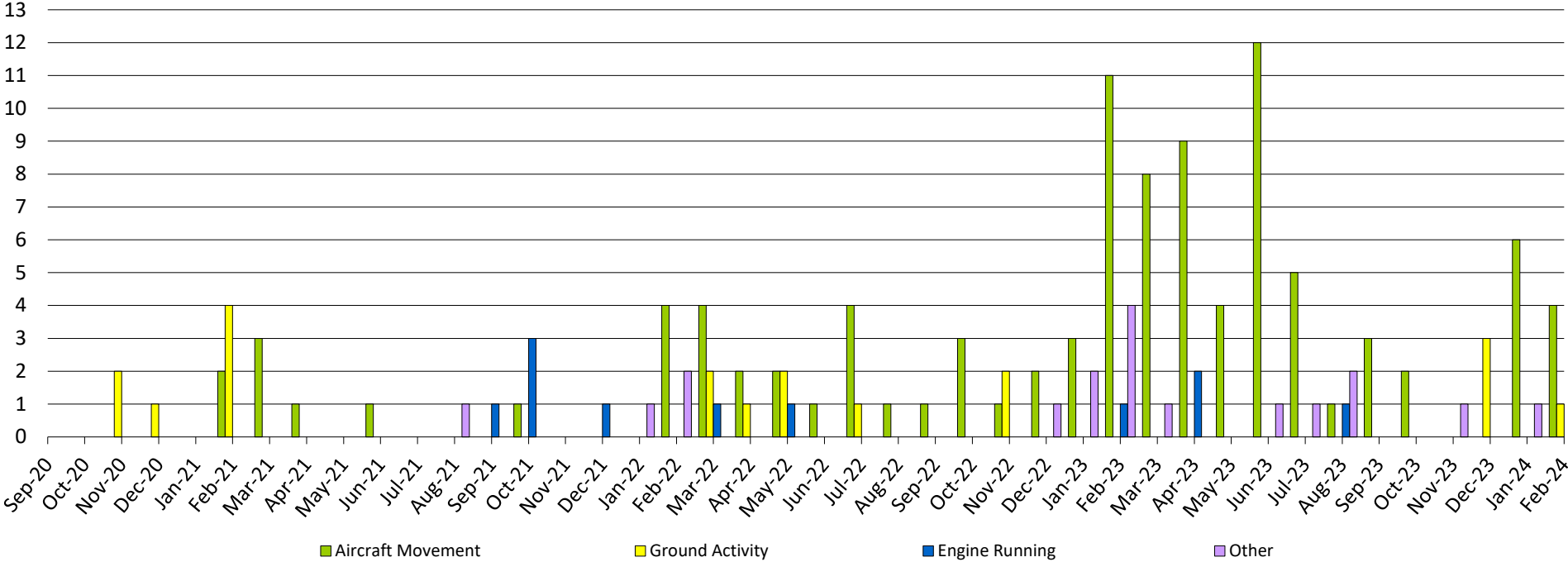
OVR - overflight/holding/circling aircraft

CAA - low flying/safety complaints

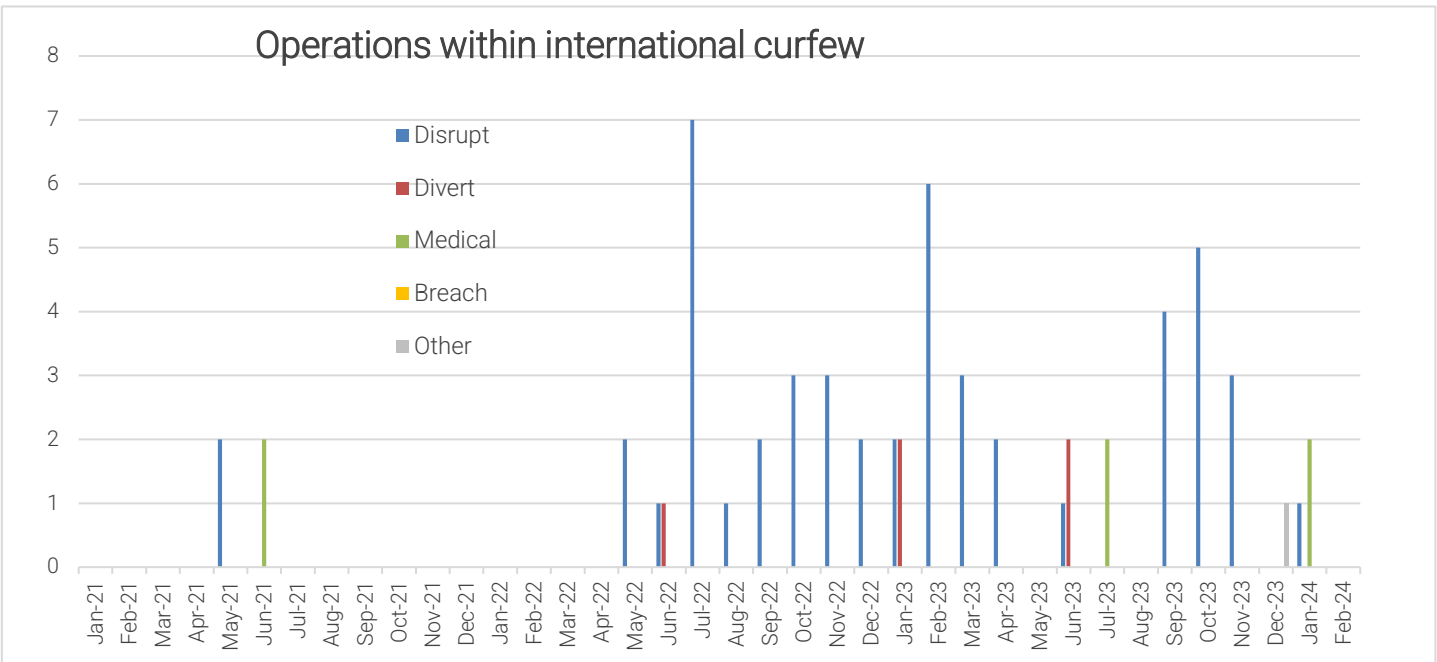
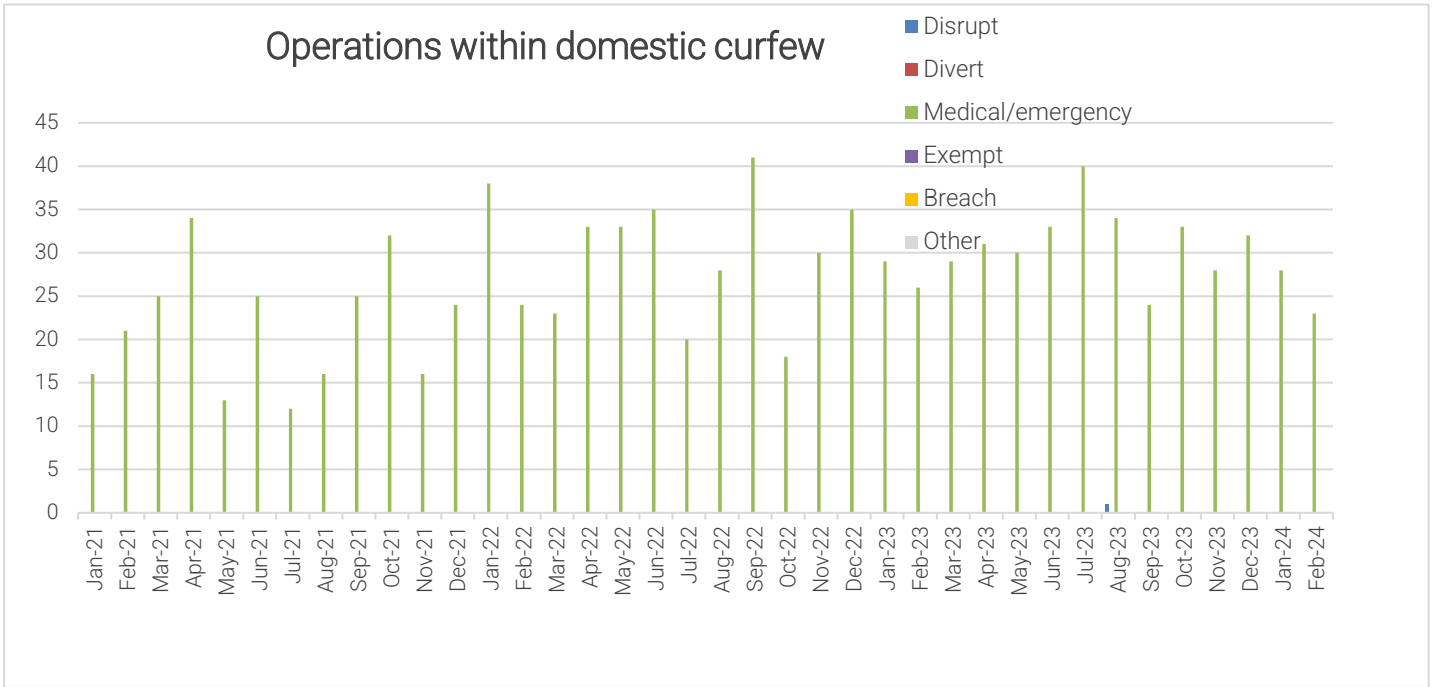
QRY - enquiries about rules etc

OTH - other feedback

Noise Enquiries to February 2024

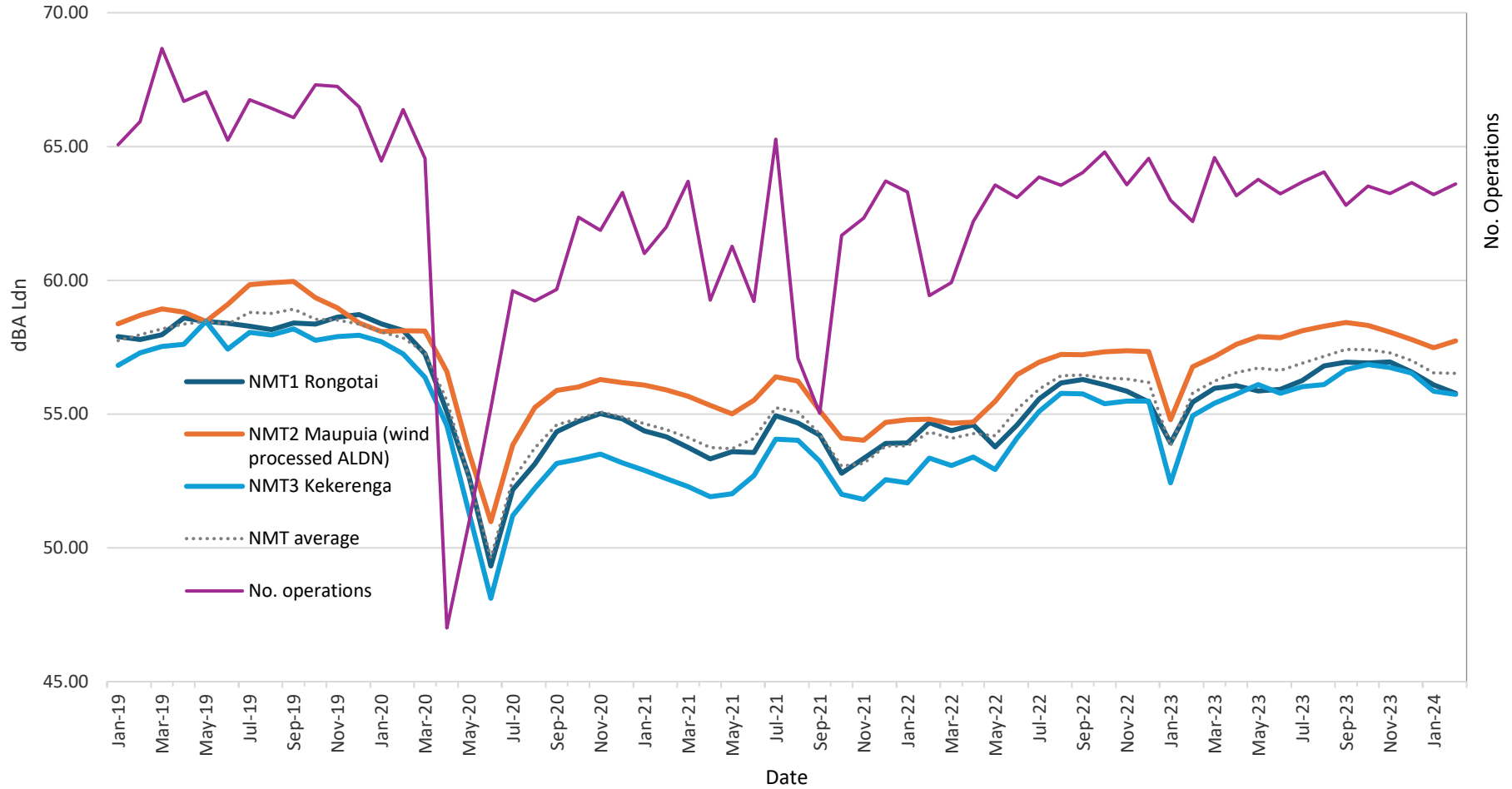


CURFEW GRAPHS



LDN COMPLIANCE GRAPH (as at February 2024)

Rolling 90 day average (Ldn 90 day)





Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Dec 2023

Provided By: Envirosuite
Date: 31 December, 2023

Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

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 Dec 2023

Summary

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

Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

Aircraft LDN

**Daily LDN Table
Dec 1, 2023 to Dec 31, 2023**

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Dec-23	57.9	55.8	56.0
02-Dec-23	53.6	59.2	55.4
03-Dec-23	58.0	58.7	58.2
04-Dec-23	57.1	54.5	53.6
05-Dec-23	56.1	55.2	53.0
06-Dec-23	54.8	59.6	55.9
07-Dec-23	55.8	58.0	55.7
08-Dec-23	55.0	56.5	55.8
09-Dec-23	54.8	56.7	57.2
10-Dec-23	56.9	54.4	56.6
11-Dec-23	55.6	59.2	56.9
12-Dec-23	57.4	58.9	55.5
13-Dec-23	56.1	58.5	57.7
14-Dec-23	55.1	58.1	55.6
15-Dec-23	58.3	60.6	59.2
16-Dec-23	54.6	53.2	55.4
17-Dec-23	56.6	45.2	56.8
18-Dec-23	55.2	54.5	53.6
19-Dec-23	52.3	56.3	54.7
20-Dec-23	55.8	59.2	56.8
21-Dec-23	56.0	59.2	57.1
22-Dec-23	54.0	55.4	55.6
23-Dec-23	52.5	58.6	56.1
24-Dec-23	54.1	58.7	56.8
25-Dec-23	52.4	55.9	56.0
26-Dec-23	54.2	58.4	55.2
27-Dec-23	57.3	55.4	53.3
28-Dec-23	54.7	59.4	57.0
29-Dec-23	58.5	58.5	58.8
30-Dec-23	56.4	54.1	56.1
31-Dec-23	56.2	56.5	58.4

Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

Aircraft Operations

Operations Analysis
Dec 1, 2023 to Dec 31, 2023

Operation Type	Day	Night	Total
Arrival	3281	124	3405
Departure	3128	180	3308
Total	6409	304	6713

Jet	Day	Night	Total
A20N - Airbus A-320	69	58	127
A21N - Airbus A-321	89	0	89
A320 - Airbus - A320	1729	44	1773
B38M - Boeing 737 Max 8	24	0	24
B737 - Boeing - 737-700	1	0	1
B738 - Boeing - 737-800	132	58	190
B752 - Boeing - 757-200	8	0	8
BE40 - Beech - Beechjet 400/T-1 Jayhawk	1	1	2
C25A - Cessna Citation CJ2+	12	1	13
C25B - Cessna Citation CJ3 (twin-jet)	6	0	6
C510 - CESSNA CITIATION MUSTANG	26	1	27
C560 - Cessna - Citation 5	1	0	1
CL60 - Canadair Bombardier - CL600/610 Challenger	1	0	1
E190 - Embraer E190	57	0	57
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	8	3	11
FA8X - Dassault Falcon 8X	1	1	2
GLEX - Bombardier GLOBAL EXPRESS/Sentinel	4	0	4
GLF6 - Gulfstream G650	1	1	2
Total	2170	168	2338

Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	26	0	26
AT76 - Aerospatiale/Aeritalia - ATR-72-600	703	34	737
B350 - Beech - Super King Air 350	23	0	23
BE20 - Beech - Super King Air 200, 1300	322	38	360
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	41	3	44
C130 - Lockheed - Hercules, Spectre	9	0	9
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	619	43	662
DH8C - Dehavilland - Dash 8, DHC8 - 300	1777	1	1778
JS31 - British Aerospace-BAe-3100 Jetstream 31	6	0	6
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	72	0	72
PAY4 - Piper - Cheyenne 400	2	0	2
PC12 - Pilatus Flugzeugwerke Ag - PC-12	246	10	256
SF34 - Saab - SF-340	8	0	8
Total	3854	129	3983

Others	Day	Night	Total
AS50 - Eurocopter AS350 Ecureuil	4	0	4
AS55	3	0	3
BK17 - MBB/Kawasaki BK 117	16	1	17
BL17 - Bellanca - Super Viking, TurboViking	2	0	2
BN2P - Britten Norman - BN-2A/B Islander, Defender	26	0	26
BNP2	1	0	1
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	36	0	36
C180 - Cessna - Skywagon 180 (U-17C)	2	0	2
C210 - Cessna - Centurion 210, Turbo Centurion	2	0	2
EC30 - Airbus Eurocopter EC130	2	0	2
EC45 - Eurocopter EC145	2	0	2
GA8 - GippsAero GA8 Airvan	63	1	64
GA8L	1	0	1
JS3A - British Aerospace (BAe) - Jetstream 3	1	0	1
M9 - Beretta M9	1	0	1
NH90 - NH90 Caiman	4	0	4
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	16	0	16
P28S - Piper PA-28R-200 Cherokee Arrow	6	0	6
PA34 - Piper - Seneca 2/3	10	0	10
PA38 - Piper - Tomahawk	60	0	60
PA44 - Piper - Seminole, Turbo Seminole	5	0	5
SW4B - Fairchild Swearingen Metro (twin-turboprop)	25	1	26
Unknown	97	4	101
Total	385	7	392

Category	Day	Night	Total
Jet	2170	168	2338
Turboprop	3854	129	3983
Other	385	7	392
Total	6409	304	6713

Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

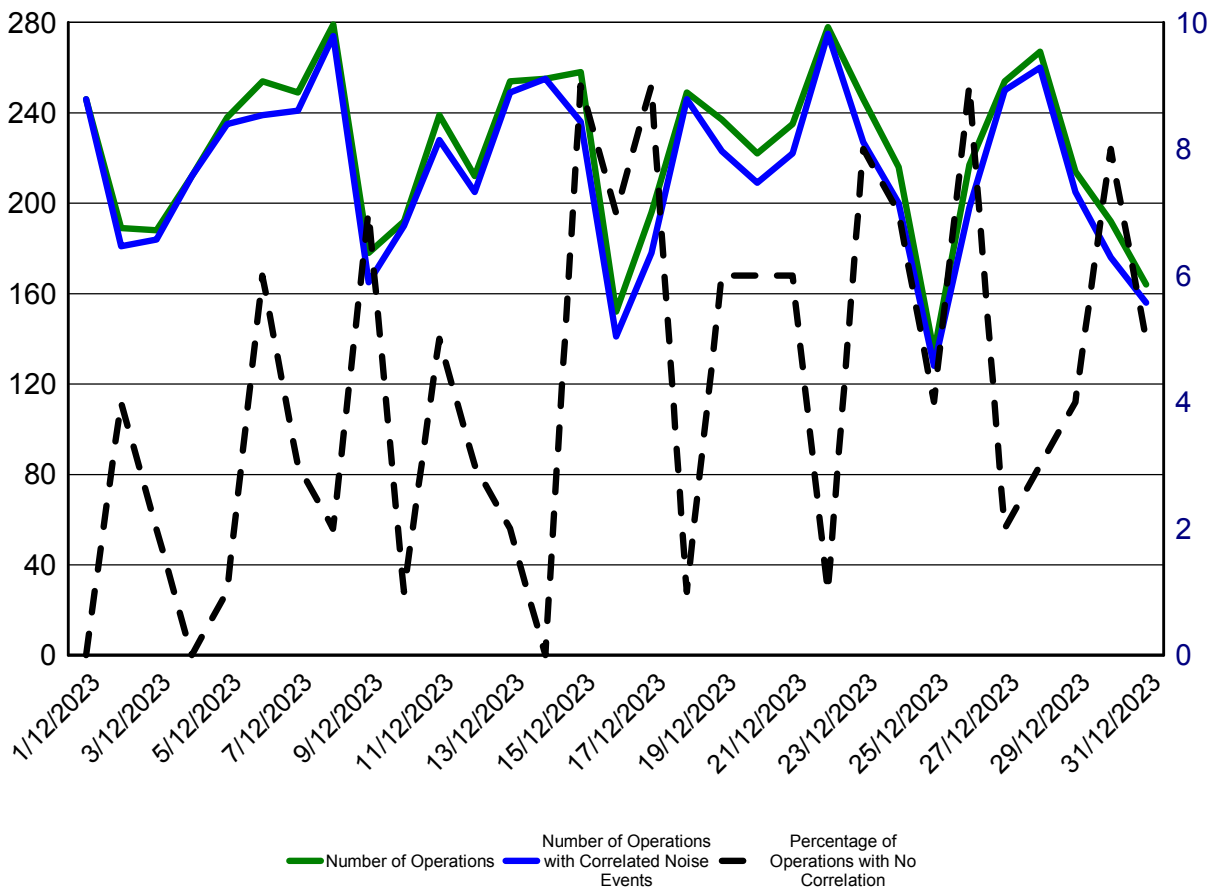
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis
Dec 1, 2023 to Dec 31, 2023

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-Dec-2023	246	246	0%	0
02-Dec-2023	189	181	4%	0
03-Dec-2023	188	184	2%	0
04-Dec-2023	212	212	0%	0
05-Dec-2023	238	235	1%	1
06-Dec-2023	254	239	6%	1
07-Dec-2023	249	241	3%	0
08-Dec-2023	279	274	2%	0
09-Dec-2023	178	165	7%	2
10-Dec-2023	192	190	1%	0
11-Dec-2023	239	228	5%	0
12-Dec-2023	212	205	3%	3
13-Dec-2023	254	249	2%	0
14-Dec-2023	255	255	0%	0
15-Dec-2023	258	236	9%	2
16-Dec-2023	152	141	7%	1
17-Dec-2023	196	178	9%	4
18-Dec-2023	249	246	1%	0
19-Dec-2023	237	223	6%	1
20-Dec-2023	222	209	6%	1
21-Dec-2023	235	222	6%	1
22-Dec-2023	278	275	1%	0
23-Dec-2023	246	227	8%	2
24-Dec-2023	216	200	7%	4
25-Dec-2023	134	128	4%	0
26-Dec-2023	217	198	9%	1
27-Dec-2023	254	250	2%	1
28-Dec-2023	267	260	3%	0
29-Dec-2023	214	205	4%	1
30-Dec-2023	192	176	8%	0
31-Dec-2023	164	156	5%	0

Wellington International Airport
 Managed Noise Service
 Monthly Report for Dec 2023

This graph shown below provides a summary of the noise correlation at Wellington Airport during December 2023



Wellington International Airport
Managed Noise Service
Monthly Report for Dec 2023

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
02-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
03-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
04-Dec-2023	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
05-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
06-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
07-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
08-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
09-Dec-2023	88.4	0.3	SUCCESS	88.2	0.3	SUCCESS	88.3	0.3	SUCCESS
10-Dec-2023	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.3	0.3	SUCCESS
11-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
12-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
13-Dec-2023	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
14-Dec-2023	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
15-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
16-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
17-Dec-2023	88.4	0.3	SUCCESS	88.2	0.3	SUCCESS	88.3	0.3	SUCCESS
18-Dec-2023	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
19-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
20-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
21-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
22-Dec-2023	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
23-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
24-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
25-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
26-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
27-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
28-Dec-2023	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
29-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
30-Dec-2023	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
31-Dec-2023	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.3	0.3	SUCCESS



Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Jan 2024

Provided By: Envirosuite

Date: 31 January, 2024

Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

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 Jan 2024

Summary

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

RMT 1 missed the hourly record of 05-Jan-2024 10:00 - 05-Jan-2024 11:59. HUB#11420978

RMT 1 missed the hourly record of 05-Jan-2024 13:00 - 10-Jan-2024 11:59. HUB#11420978

RMT 2,3 missed the hourly record of 08-Jan-2024 10:00. HUB#11512124

Additionally, due to the data gaps, NMT1 daily TLEQ readings are affected during the above days

Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

Aircraft LDN

Daily LDN Table
Jan 1, 2024 to Jan 31, 2024

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Jan-24	54.8	54.3	53.4
02-Jan-24	54.8	57.1	54.4
03-Jan-24	53.2	57.1	55.3
04-Jan-24	56.0	57.0	55.2
05-Jan-24	53.9	56.5	52.7
06-Jan-24	0.0	53.7	52.9
07-Jan-24	0.0	57.9	55.7
08-Jan-24	0.0	59.8	57.2
09-Jan-24	0.0	58.6	54.8
10-Jan-24	49.5	54.0	54.5
11-Jan-24	55.6	57.9	55.8
12-Jan-24	54.0	58.3	53.1
13-Jan-24	54.5	55.8	54.6
14-Jan-24	56.6	51.4	55.5
15-Jan-24	55.9	57.9	55.2
16-Jan-24	52.8	53.8	52.2
17-Jan-24	54.3	58.6	55.8
18-Jan-24	52.1	56.1	53.9
19-Jan-24	54.6	59.9	55.6
20-Jan-24	54.6	57.3	55.6
21-Jan-24	53.3	57.8	54.7
22-Jan-24	54.0	57.8	54.1
23-Jan-24	56.1	59.2	57.8
24-Jan-24	54.7	56.0	52.7
25-Jan-24	57.0	57.2	51.2
26-Jan-24	54.8	59.4	54.2
27-Jan-24	58.4	57.0	57.6
28-Jan-24	55.5	58.1	57.1
29-Jan-24	57.3	59.0	53.4
30-Jan-24	57.7	54.8	52.0
31-Jan-24	55.6	54.6	53.0

Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

Aircraft Operations

Operations Analysis
Jan 1, 2024 to Jan 31, 2024

Operation Type	Day	Night	Total
Arrival	3158	142	3300
Departure	3077	176	3253
Total	6235	318	6553

Jet	Day	Night	Total
A20N - Airbus A-320	48	62	110
A21N - Airbus A-321	80	0	80
A320 - Airbus - A320	1561	50	1611
B38M - Boeing 737 Max 8	22	0	22
B738 - Boeing - 737-800	128	62	190
B752 - Boeing - 757-200	12	0	12
C25A - Cessna Citation CJ2+	12	1	13
C510 - CESSNA CITIATION MUSTANG	17	0	17
C680 - CESSNA - 680 Citation Sovereign L2J/M	4	0	4
CL60 - Canadair Bombardier - CL600/610 Challenger	1	1	2
E190 - Embraer E190	63	0	63
F2TH - Dassault-Breguet - Falcon 2000	1	1	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	21	0	21
GLEX - Bombardier GLOBAL EXPRESS/Sentinel	4	0	4
LJ60 - Gates Learjet - Learjet 60	2	0	2
Total	1976	177	2153

Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	29	0	29
AT76 - Aerospatiale/Aeritalia - ATR-72-600	808	34	842
B350 - Beech - Super King Air 350	11	3	14
BE20 - Beech - Super King Air 200, 1300	290	29	319
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	49	0	49
C130 - Lockheed - Hercules, Spectre	7	0	7
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	554	45	599
C425 - Cessna - Corsair/Conquest I-425	2	0	2
DH8C - Dehavilland - Dash 8, DHC8 - 300	1672	2	1674
JS31 - British Aerospace-BAe-3100 Jetstream 31	4	0	4
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	52	1	53
PC12 - Pilatus Flugzeugwerke Ag - PC-12	270	11	281
SF34 - Saab - SF-340	8	0	8
SW4 - Fairchild - Metro, Merlin 4	4	0	4
Total	3760	125	3885

Others	Day	Night	Total
AS55	3	0	3
BK17 - MBB/Kawasaki BK 117	35	8	43
BN2P - Britten Norman - BN-2A/B Islander, Defender	18	0	18
C152 - Cessna - Cessna 152	2	0	2
C17 - Mcdonnell-Douglas - Globemaster 3	1	1	2
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	38	0	38
C185 - Cessna - Skywagon 185 (U-17A/B)	4	0	4
C206 - Cessna - Stationair 6, Turbo Stationair 6	3	0	3
C421 - Cessna - Golden Eagle 421	2	0	2
DA40 - Diamond DA40	2	0	2
DA42 - DA-42 Diamond Twin Star	3	0	3
EC45 - Eurocopter EC145	2	0	2
GA8 - GippsAero GA8 Airvan	99	0	99
M9 - Beretta M9	1	0	1
NH90 - NH90 Caiman	1	0	1
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	48	0	48
P8 - Boeing 737-800 Poseidon	4	0	4
PA34 - Piper - Seneca 2/3	5	0	5
PA38 - Piper - Tomahawk	69	0	69
PA46 - Piper - Malibu, Malibu Mirage	3	0	3
SW4B - Fairchild Swearingen Metro (twin-turboprop)	15	0	15
Unknown	141	7	148
Total	499	16	515

Category	Day	Night	Total
Jet	1976	177	2153
Turboprop	3760	125	3885
Other	499	16	515
Total	6235	318	6553

Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

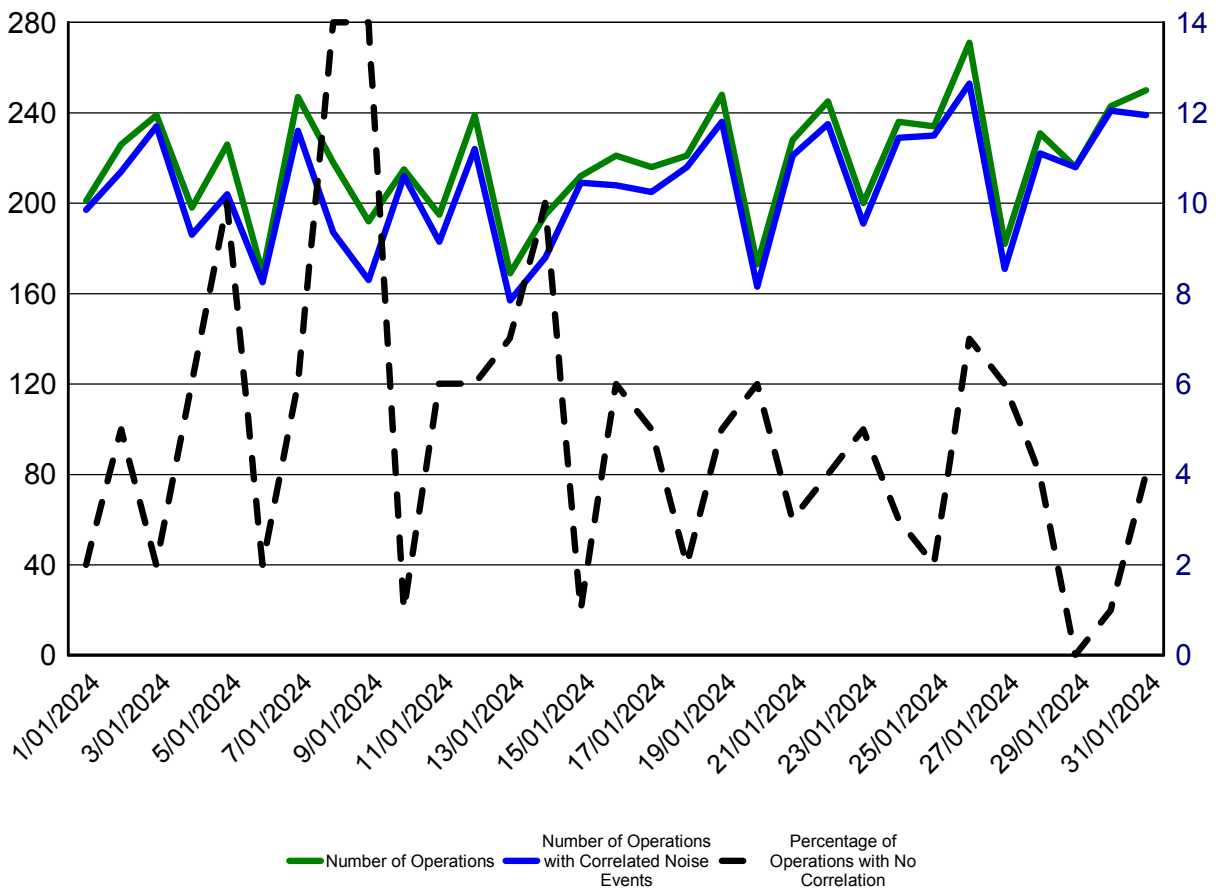
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis
Jan 1, 2024 to Jan 31, 2024

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-Jan-2024	201	197	2%	1
02-Jan-2024	226	214	5%	1
03-Jan-2024	239	234	2%	0
04-Jan-2024	198	186	6%	3
05-Jan-2024	226	204	10%	2
06-Jan-2024	169	165	2%	0
07-Jan-2024	247	232	6%	4
08-Jan-2024	218	187	14%	1
09-Jan-2024	192	166	14%	2
10-Jan-2024	215	212	1%	0
11-Jan-2024	195	183	6%	1
12-Jan-2024	239	224	6%	1
13-Jan-2024	169	157	7%	2
14-Jan-2024	195	176	10%	2
15-Jan-2024	212	209	1%	1
16-Jan-2024	221	208	6%	1
17-Jan-2024	216	205	5%	1
18-Jan-2024	221	216	2%	1
19-Jan-2024	248	236	5%	1
20-Jan-2024	173	163	6%	0
21-Jan-2024	228	221	3%	0
22-Jan-2024	245	235	4%	0
23-Jan-2024	200	191	5%	1
24-Jan-2024	236	229	3%	1
25-Jan-2024	234	230	2%	1
26-Jan-2024	271	253	7%	2
27-Jan-2024	182	171	6%	1
28-Jan-2024	231	222	4%	1
29-Jan-2024	216	216	0%	0
30-Jan-2024	243	241	1%	1
31-Jan-2024	250	239	4%	0

Wellington International Airport
 Managed Noise Service
 Monthly Report for Jan 2024

This graph shown below provides a summary of the noise correlation at Wellington Airport during January 2024



Wellington International Airport
Managed Noise Service
Monthly Report for Jan 2024

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
02-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
03-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
04-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
05-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
06-Jan-2024	0.0	0.0		87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
07-Jan-2024	0.0	0.0		87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
08-Jan-2024	0.0	0.0		88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
09-Jan-2024	0.0	0.0		88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
10-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
11-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
12-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
13-Jan-2024	88.5	0.4	SUCCESS	88.1	0.2	SUCCESS	88.5	0.5	SUCCESS
14-Jan-2024	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.5	0.5	SUCCESS
15-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
16-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
17-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
18-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
19-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
20-Jan-2024	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.4	0.4	SUCCESS
21-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
22-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
23-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
24-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
25-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
26-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
27-Jan-2024	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.4	0.4	SUCCESS
28-Jan-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	0.3	SUCCESS
29-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
30-Jan-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
31-Jan-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS



Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Feb 2024

Provided By: Envirosuite

Date: 01 March, 2024



Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

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 Feb 2024

Summary

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

Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

Aircraft LDN

**Daily LDN Table
Feb 1, 2024 to Feb 29, 2024**

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Feb-24	53.8	57.9	55.4
02-Feb-24	56.8	60.5	57.9
03-Feb-24	53.4	59.5	54.9
04-Feb-24	56.2	59.2	54.7
05-Feb-24	54.9	58.6	54.3
06-Feb-24	55.7	59.8	54.8
07-Feb-24	54.6	59.8	54.0
08-Feb-24	55.1	58.4	52.7
09-Feb-24	54.9	54.7	52.9
10-Feb-24	55.6	56.9	54.8
11-Feb-24	57.8	56.1	52.9
12-Feb-24	55.4	58.4	53.1
13-Feb-24	55.6	59.2	53.5
14-Feb-24	57.3	57.2	56.5
15-Feb-24	55.9	58.5	56.1
16-Feb-24	55.1	59.5	54.6
17-Feb-24	54.5	59.2	54.9
18-Feb-24	54.5	57.2	53.7
19-Feb-24	56.9	53.8	56.8
20-Feb-24	57.8	57.0	52.8
21-Feb-24	57.8	59.0	54.8
22-Feb-24	56.6	59.0	54.9
23-Feb-24	57.4	59.6	56.4
24-Feb-24	58.2	57.0	55.2
25-Feb-24	55.1	52.6	51.2
26-Feb-24	56.1	60.2	64.5
27-Feb-24	54.8	58.4	53.2
28-Feb-24	57.5	56.4	55.3
29-Feb-24	58.2	56.4	53.3

Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

Aircraft Operations

Operations Analysis
Feb 1, 2024 to Feb 29, 2024

Operation Type	Day	Night	Total
Arrival	3263	123	3386
Departure	3143	169	3312
Total	6406	292	6698

Jet	Day	Night	Total
A20N - Airbus A-320	87	47	134
A21N - Airbus A-321	61	0	61
A320 - Airbus - A320	1597	73	1670
B38M - Boeing 737 Max 8	12	0	12
B738 - Boeing - 737-800	130	56	186
B752 - Boeing - 757-200	5	1	6
BE40 - Beech - Beechjet 400/T-1 Jayhawk	2	0	2
C25A - Cessna Citation CJ2+	19	1	20
C25B - Cessna Citation CJ3 (twin-jet)	4	0	4
C510 - CESSNA CITIATION MUSTANG	35	2	37
C680 - CESSNA - 680 Citation Sovereign L2J/M	6	0	6
CL30 - Bombardier Challenger 300	2	0	2
E190 - Embraer E190	59	0	59
F2TH - Dassault-Breguet - Falcon 2000	2	0	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	14	1	15
FA8X - Dassault Falcon 8X	2	0	2
GA6C - Gulfstream G600 (twin-jet)	1	1	2
GLEK - Bombardier GLOBAL EXPRESS/Sentinel	6	0	6
GLF5 - Gulfstream - Gulfstream 5	2	0	2
GLF6 - Gulfstream G650	2	0	2
Total	2048	182	2230

Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	32	0	32
AT76 - Aerospatiale/Aeritalia - ATR-72-600	932	18	950
B350 - Beech - Super King Air 350	10	0	10
BE20 - Beech - Super King Air 200, 1300	310	28	338
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	21	0	21
C130 - Lockheed - Hercules, Spectre	3	0	3
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	518	42	560
C425 - Cessna - Corsair/Conquest I-425	2	0	2
DH8C - Dehavilland - Dash 8, DHC8 - 300	1781	0	1781
JS31 - British Aerospace-BAe-3100 Jetstream 31	46	0	46
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	43	0	43
MU2 - Mitsubishi - MU-2, Marquise, Solitaire	2	0	2
PAY4 - Piper - Cheyenne 400	2	0	2
PC12 - Pilatus Flugzeugwerke Ag - PC-12	250	15	265
SF34 - Saab - SF-340	20	0	20
Total	3972	103	4075

Others	Day	Night	Total
BE36 - Beech - Bonanza 36	1	0	1
BK17 - MBB/Kawasaki BK 117	18	0	18
BN2 - Britten-Norman BN-2 Islander	1	0	1
BN2P - Britten Norman - BN-2A/B Islander, Defender	14	0	14
C17 - Mcdonnell-Douglas - Globemaster 3	3	0	3
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	30	0	30
C206 - Cessna - Stationair 6, Turbo Stationair 6	2	0	2
C210 - Cessna - Centurion 210, Turbo Centurion	1	0	1
DA40 - Diamond DA40	6	0	6
DA42 - DA-42 Diamond Twin Star	2	0	2
EC30 - Airbus Eurocopter EC130	1	0	1
GA8 - GippsAero GA8 Airvan	76	0	76
M9 - Beretta M9	2	0	2
NH90 - NH90 Caiman	4	0	4
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	22	0	22
P28R - Piper - Cherokee Arrow 2/3, Turbo Arrow 3	1	0	1
P28S - Piper PA-28R-200 Cherokee Arrow	2	0	2
PA34 - Piper - Seneca 2/3	8	0	8
PA38 - Piper - Tomahawk	70	0	70
PA46 - Piper - Malibu, Malibu Mirage	8	0	8
SR22 - Cirrus - SR-22	3	0	3
SW4B - Fairchild Swearingen Metro (twin-turboprop)	22	1	23
Unknown	89	6	95
Total	386	7	393

Category	Day	Night	Total
Jet	2048	182	2230
Turboprop	3972	103	4075
Other	386	7	393
Total	6406	292	6698

Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

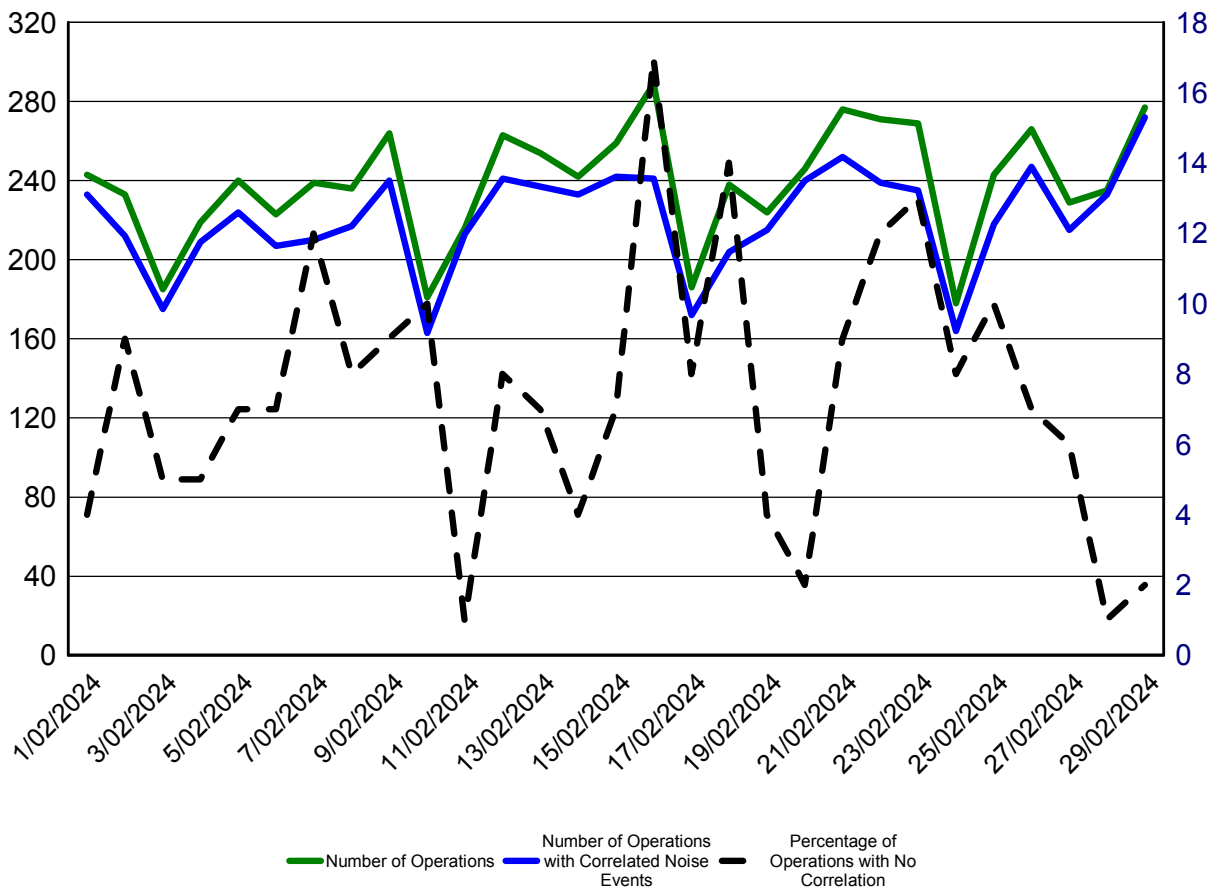
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis Feb 1, 2024 to Feb 29, 2024

Date	Number of Operations	Operations with Correlated Noise Events	Percentage of Operations With No Correlated Noise Events	Jets with No Correlated Noise Events
01-Feb-2024	243	233	4%	1
02-Feb-2024	233	212	9%	2
03-Feb-2024	185	175	5%	2
04-Feb-2024	219	209	5%	3
05-Feb-2024	240	224	7%	0
06-Feb-2024	223	207	7%	1
07-Feb-2024	239	210	12%	1
08-Feb-2024	236	217	8%	4
09-Feb-2024	264	240	9%	2
10-Feb-2024	181	163	10%	0
11-Feb-2024	216	213	1%	0
12-Feb-2024	263	241	8%	2
13-Feb-2024	254	237	7%	2
14-Feb-2024	242	233	4%	0
15-Feb-2024	259	242	7%	3
16-Feb-2024	289	241	17%	3
17-Feb-2024	186	172	8%	2
18-Feb-2024	238	204	14%	10
19-Feb-2024	224	215	4%	1
20-Feb-2024	246	240	2%	0
21-Feb-2024	276	252	9%	1
22-Feb-2024	271	239	12%	0
23-Feb-2024	269	235	13%	5
24-Feb-2024	178	164	8%	4
25-Feb-2024	243	218	10%	1
26-Feb-2024	266	247	7%	2
27-Feb-2024	229	215	6%	3
28-Feb-2024	235	233	1%	0
29-Feb-2024	277	272	2%	1

Wellington International Airport
 Managed Noise Service
 Monthly Report for Feb 2024

This graph shown below provides a summary of the noise correlation at Wellington Airport during February 2024



Wellington International Airport
Managed Noise Service
Monthly Report for Feb 2024

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	0.3	SUCCESS
02-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
03-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	0.4	SUCCESS
04-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.4	0.4	SUCCESS
05-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
06-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
07-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	0.5	SUCCESS
08-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.6	0.6	Failed
09-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.6	0.6	Failed
10-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.6	0.6	Failed
11-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.6	0.6	Failed
12-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.6	Failed
13-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.6	Failed
14-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.0	SUCCESS
15-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.0	SUCCESS
16-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.0	SUCCESS
17-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.0	SUCCESS
18-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.6	0.0	SUCCESS
19-Feb-2024	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.7	0.1	SUCCESS
20-Feb-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.6	0.0	SUCCESS
21-Feb-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.6	0.0	SUCCESS
22-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.6	0.0	SUCCESS
23-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.7	0.1	SUCCESS
24-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.7	0.1	SUCCESS
25-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.7	0.1	SUCCESS
26-Feb-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.4	-0.2	SUCCESS
27-Feb-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
28-Feb-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.5	-0.1	SUCCESS
29-Feb-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.4	-0.2	SUCCESS