



Wellington Airport

Noise Compliance Reporting

June, July, August 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
9 September 2024

Noise Enquiries Summary *

Date	Time	Suburb	Query	Source / Action	Category
12/06/2024	8:31pm & 10:29pm	Kaiwharawhara	Complained about overhead flights at 8:31pm and 10:29pm	Explained that the aircraft were a Hercules (NZDF) and a medical flight (helicopter) with the latter departing Wellington Hospital. Both of which were compliant with CAA minimum altitudes and airport curfew. As such Airport has no control or jurisdiction.	OVR
30/06/2024	7:50pm	Kaiwharawhara	Complained about overhead flight causing vibrations shaking house more than usual.	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 no control or jurisdiction. If they believe the aircraft operator isn't taking enough care to reduce noise, they can contact them directly.	OVR
1/07/2024	1:30am	Johnsonville	Complained about overhead flight during curfew.	Explained the flight in question was an air ambulance and outlined curfew exemptions.	CUR
1/07/2024	1:30am	Broadmeadows	Complained about overhead flight during curfew.	Explained the flight in question was an air ambulance and outlined curfew exemptions.	CUR
9/07/2024	2:05am	Strathmore Park	Complained of high-pitched noise coming from northern half of taxiway/ runway.	After investigating, Airfield Maintenance manager confirmed that this was rubber removal on the runway touchdown area following a crew being made available at short notice. No noise screen was used for these works and the manager has reminded the teams about screening procedures. Complainant will be added to weekly night works notification email list.	MNT
9/07/2024		Miramar	Complained of works on the runway in early hours of the morning. Did not receive communication about works and struggled to sleep.	After investigating, Airfield Maintenance manager confirmed that this was rubber removal on the runway touchdown area following a crew being made available at short notice. No noise screen was used for these works and contractors are now instructed to use noise screens for all night-time maintenance works where practicable (with the exception of RBB, friction testing and line marking). Assured complainant that communication will be made next time and offered to be added to night works notification.	MNT
22/07/2024	9:40pm	Miramar	Asked what night noise is happening in the evenings at the airport, and when any night construction noise is going to be completed.	No current works underway. Asked complainant for timings and type of noise and offered to be added to night works notification	MNT
5/08/2024	6:00am	Kaiwharawhara	Complained of an unusually loud aircraft at 6am over Kaiwharawhara. 2nd complaint regarding another helicopter at 6:22 pm (which did not fly to airport - just to hospital and away again)	Life Flight Trust helicopter. Explained that it was a medical emergency flight heading to the hospital, and that it is excluded from curfew and noise limits. After 2nd complaint, introduced complainant to Webtrak. He also asked if there were more medical flights than previously and whether their flight tracks had changed. Sent link to noise monitoring curfew graphs on website. Explained that medical helicopters fly the most direct route to where they need to go.	SIN
20/08/2024	6:09am	Kaiwharawhara	Complained of an unusually loud aircraft at 6:09am over Kaiwharawhara.	Reviewed WebTrak – this the daily Qantas flight to Sydney. 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 no control or jurisdiction.	SIN
21/08/2024	9:56pm	Rongotai	Complained that flights are loud	Requested further information from complainant about type of aircraft noise was loud (ie taking off or APU or taxiing). Noted there were two flights there were two arrivals (a Falcon jet and a A320). No response received.	QRY

* 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

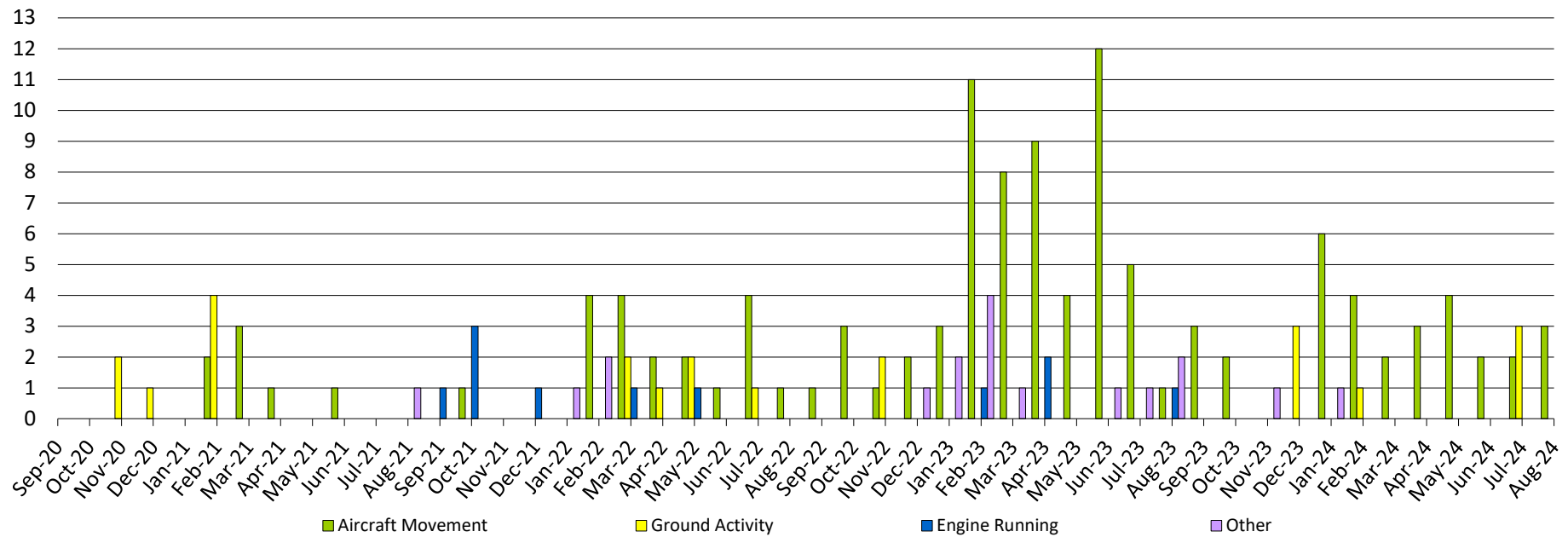
OVR - overflight/holding/circling aircraft

CAA - low flying/safety complaints

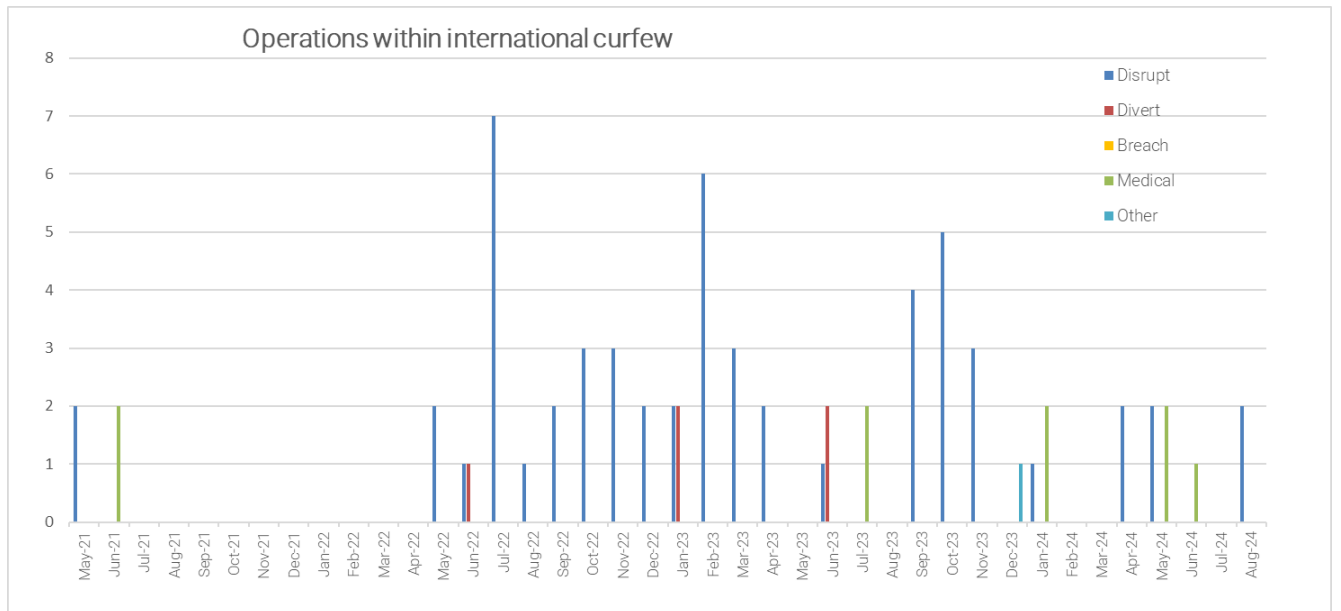
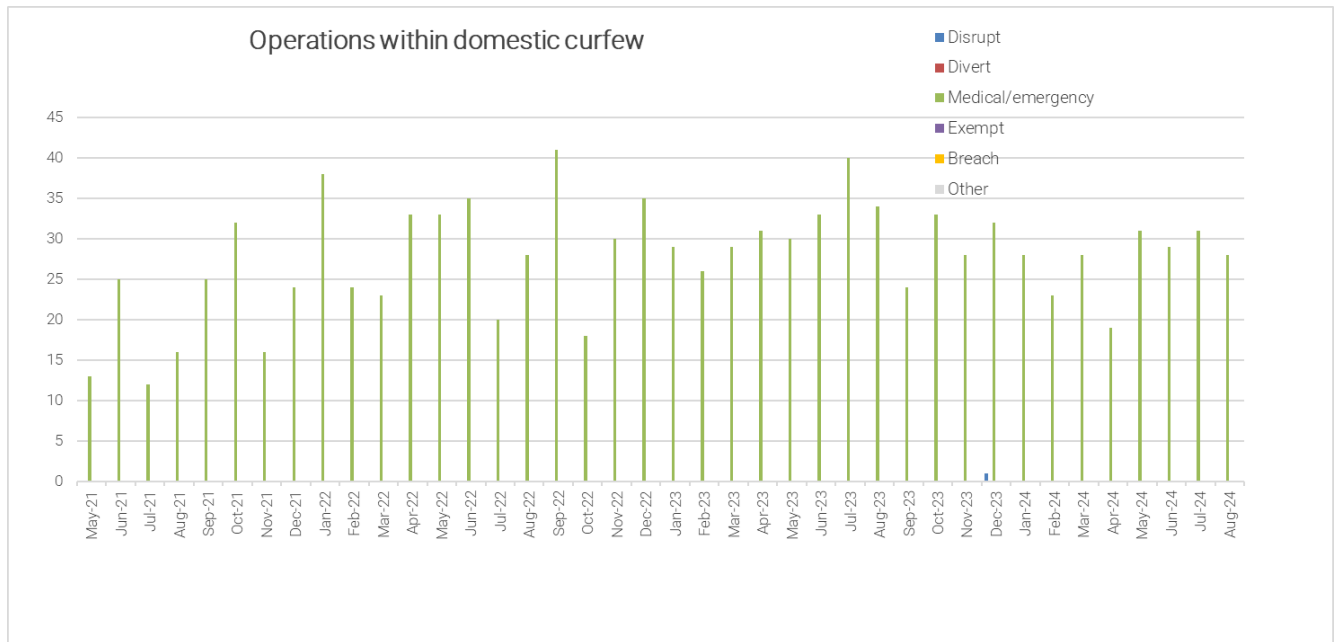
QRY - enquiries about rules etc

OTH - other feedback

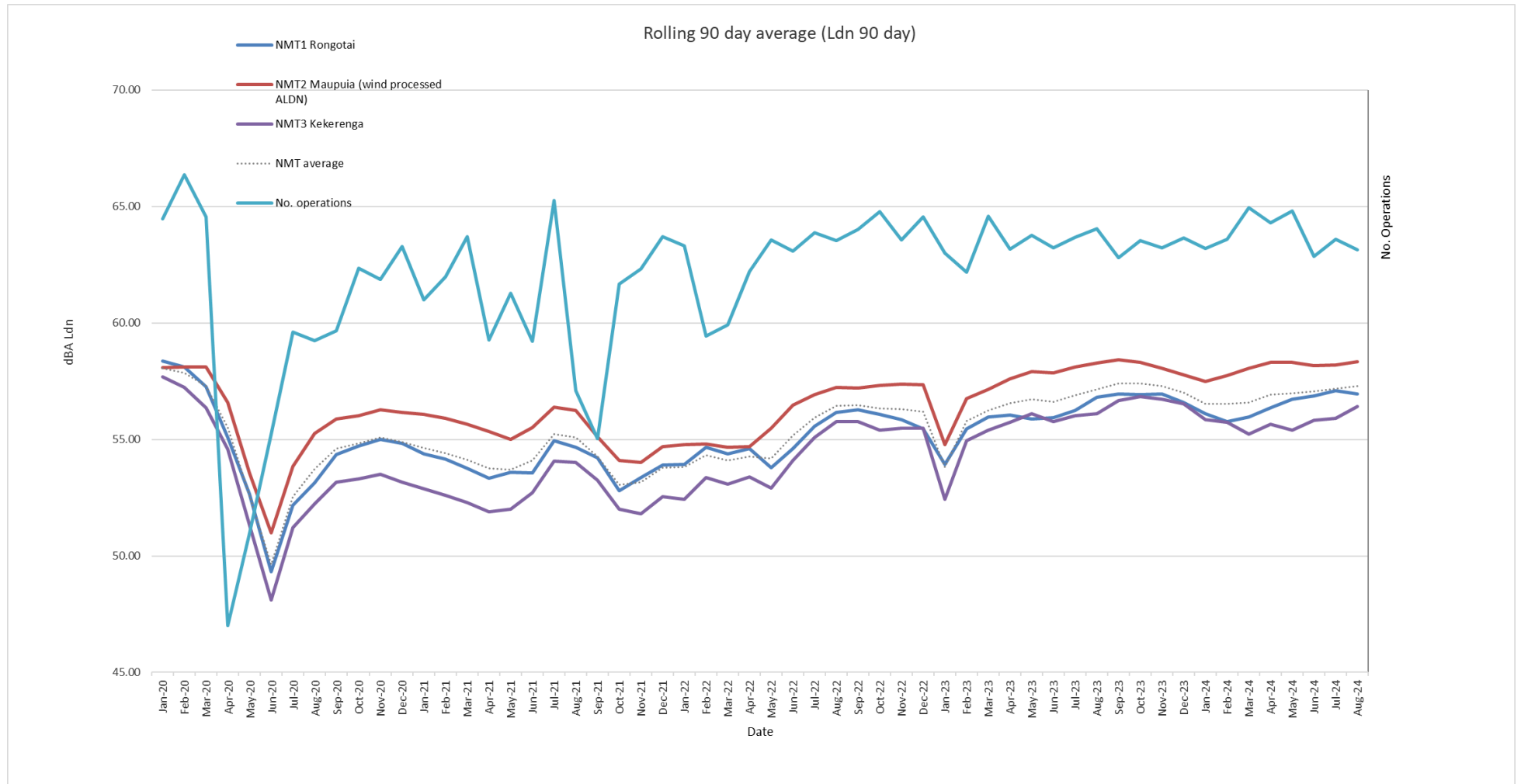
Noise Enquiries to end of August 2024



CURFEW GRAPHS



LDN COMPLIANCE GRAPH (as at August 2024)





WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Jun 2024

Provided By: Envirosuite
Date: 01 July, 2024

Wellington International Airport
Managed Noise Service
Monthly Report for Jun 2024

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Summary

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

Wellington International Airport
Managed Noise Service
Monthly Report for Jun 2024

Aircraft LDN

Daily LDN Table
Jun 1, 2024 to Jun 30, 2024

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Jun-24	56.4	55.8	57.6
02-Jun-24	54.9	55.4	54.6
03-Jun-24	57.5	57.3	53.6
04-Jun-24	58.5	55.4	54.7
05-Jun-24	54.5	55.8	54.9
06-Jun-24	56.3	58.9	57.0
07-Jun-24	56.5	59.2	57.1
08-Jun-24	55.3	54.0	54.3
09-Jun-24	55.8	59.7	57.1
10-Jun-24	58.5	54.5	58.3
11-Jun-24	56.1	58.4	55.9
12-Jun-24	56.5	58.5	55.9
13-Jun-24	55.5	58.8	56.1
14-Jun-24	57.2	60.8	58.5
15-Jun-24	55.7	60.7	56.4
16-Jun-24	55.4	58.9	56.6
17-Jun-24	57.7	55.1	56.5
18-Jun-24	58.2	55.1	53.4
19-Jun-24	57.9	54.7	53.4
20-Jun-24	58.9	55.6	55.3
21-Jun-24	57.1	59.3	57.2
22-Jun-24	55.0	58.4	57.8
23-Jun-24	55.3	58.4	56.6
24-Jun-24	57.3	58.9	57.0
25-Jun-24	57.3	55.1	54.1
26-Jun-24	59.2	55.8	54.9
27-Jun-24	58.1	55.9	53.8
28-Jun-24	55.1	59.7	56.8
29-Jun-24	55.3	56.9	54.5
30-Jun-24	53.2	58.4	55.8

Wellington International Airport
Managed Noise Service
Monthly Report for Jun 2024

Aircraft Operations

Operations Analysis
Jun 1, 2024 to Jun 30, 2024

Operation Type	Day	Night	Total
Arrival	3143	116	3259
Departure	3005	170	3175
Total	6148	286	6434

Jet	Day	Night	Total
A20N - Airbus A-320	52	46	98
A21N - Airbus A-321	55	0	55
A320 - Airbus - A320	1562	78	1640
B38M - Boeing 737 Max 8	26	0	26
B738 - Boeing - 737-800	126	59	185
B752 - Boeing - 757-200	10	0	10
BE40 - Beech - Beechjet 400/T-1 Jayhawk	7	1	8
C25A - Cessna Citation CJ2+	13	0	13
C25B - Cessna Citation CJ3 (twin-jet)	4	0	4
C510 - CESSNA CITIATION MUSTANG	12	2	14
C560 - Cessna - Citation 5	2	0	2
E190 - Embraer E190	48	0	48
E55P - Embraer EMB-505 Phenom 300	0	2	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	15	0	15
PC24 - Pilatus PC-24	6	0	6
Total	1938	188	2126

Wellington International Airport
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Turboprop	Day	Night	Total
AC90 - Rockwell - Turbo Commander 690, Commander Jetprop 840/900	4	0	4
AT75 - Aerospatiale/Aeritalia - ATR-72-500	16	0	16
AT76 - Aerospatiale/Aeritalia - ATR-72-600	984	12	996
B350 - Beech - Super King Air 350	14	0	14
BE20 - Beech - Super King Air 200, 1300	282	34	316
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	30	0	30
C130 - Lockheed - Hercules, Spectre	6	0	6
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	515	35	550
DH8C - Dehavilland - Dash 8, DHC8 - 300	1665	0	1665
JS31 - British Aerospace-BAe-3100 Jetstream 31	28	0	28
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	42	0	42
PC12 - Pilatus Flugzeugwerke Ag - PC-12	222	12	234
SF34 - Saab - SF-340	12	0	12
Total	3820	93	3913

Others	Day	Night	Total
B429 - Bell 429 GlobalRanger	3	2	5
BK17 - MBB/Kawasaki BK 117	14	1	15
BN2P - Britten Norman - BN-2A/B Islander, Defender	10	0	10
C17 - McDonnell-Douglas - Globemaster 3	2	0	2
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	33	0	33
DA40 - Diamond DA40	4	0	4
GA8 - GippsAero GA8 Airvan	52	0	52
M9 - Beretta M9	3	0	3
NH90 - NH90 Caiman	3	0	3
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	41	0	41
P28R - Piper - Cherokee Arrow 2/3, Turbo Arrow 3	1	0	1
PA38 - Piper - Tomahawk	124	0	124
PA44 - Piper - Seminole, Turbo Seminole	3	0	3
SR22 - Cirrus - SR-22	2	0	2
Unknown	95	2	97
Total	390	5	395

Category	Day	Night	Total
Jet	1938	188	2126
Turboprop	3820	93	3913
Other	390	5	395
Total	6148	286	6434

Wellington International Airport
Managed Noise Service
Monthly Report for Jun 2024

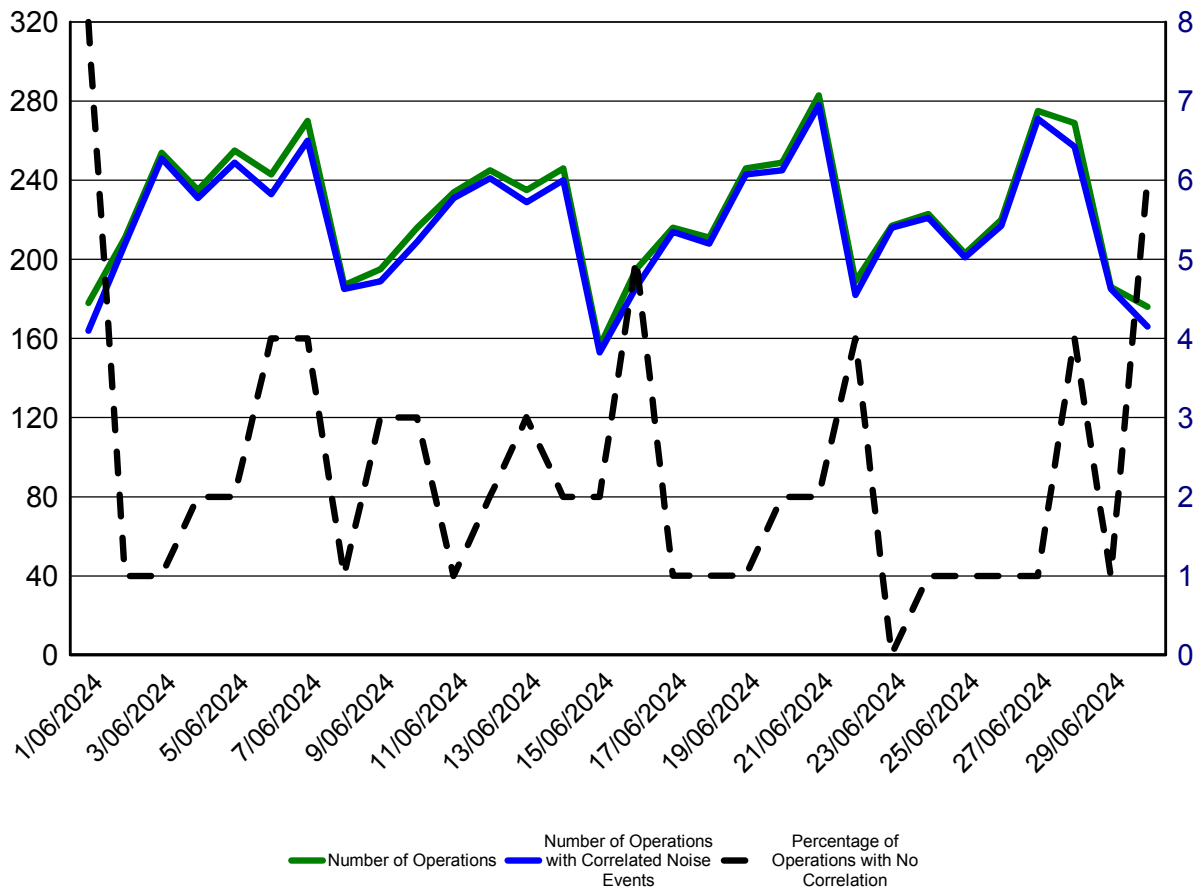
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis
Jun 1, 2024 to Jun 30, 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-Jun-2024	178	164	8%	1
02-Jun-2024	211	208	1%	0
03-Jun-2024	254	251	1%	0
04-Jun-2024	235	231	2%	1
05-Jun-2024	255	249	2%	0
06-Jun-2024	243	233	4%	0
07-Jun-2024	270	260	4%	1
08-Jun-2024	187	185	1%	0
09-Jun-2024	195	189	3%	0
10-Jun-2024	216	209	3%	0
11-Jun-2024	234	231	1%	0
12-Jun-2024	245	241	2%	1
13-Jun-2024	235	229	3%	1
14-Jun-2024	246	240	2%	0
15-Jun-2024	156	153	2%	0
16-Jun-2024	195	186	5%	5
17-Jun-2024	216	214	1%	2
18-Jun-2024	211	208	1%	1
19-Jun-2024	246	243	1%	1
20-Jun-2024	249	245	2%	0
21-Jun-2024	283	278	2%	0
22-Jun-2024	189	182	4%	1
23-Jun-2024	217	216	0%	0
24-Jun-2024	223	221	1%	1
25-Jun-2024	203	201	1%	0
26-Jun-2024	220	217	1%	1
27-Jun-2024	275	271	1%	0
28-Jun-2024	269	257	4%	0
29-Jun-2024	186	185	1%	0
30-Jun-2024	176	166	6%	1

Wellington International Airport Managed Noise Service Monthly Report for Jun 2024

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



Wellington International Airport
Managed Noise Service
Monthly Report for Jun 2024

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Jun-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
02-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
03-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
04-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
05-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
06-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
07-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
08-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
09-Jun-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
10-Jun-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
11-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
12-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
13-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
14-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
15-Jun-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
16-Jun-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
17-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
18-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
19-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
20-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
21-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
22-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
23-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
24-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
25-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
26-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
27-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
28-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
29-Jun-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
30-Jun-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.2	-0.4	SUCCESS



WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Jul 2024

Provided By: Envirosuite
Date: 31 July, 2024



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Monthly Report for Jul 2024

Summary

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

RMT 2 missed the hourly record of 29-Jul-2024 04:00 - 29-Jul-2024 5:59. #16036974

Wellington International Airport
Managed Noise Service
Monthly Report for Jul 2024

Aircraft LDN

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

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Jul-24	58.4	61.1	59.3
02-Jul-24	57.6	61.2	57.0
03-Jul-24	60.7	59.0	56.1
04-Jul-24	57.2	55.4	54.6
05-Jul-24	56.6	59.4	56.6
06-Jul-24	57.0	54.3	55.4
07-Jul-24	56.4	58.6	55.6
08-Jul-24	58.0	59.5	56.2
09-Jul-24	56.3	59.0	59.0
10-Jul-24	56.5	59.5	56.3
11-Jul-24	57.8	55.5	53.0
12-Jul-24	60.1	56.9	55.7
13-Jul-24	58.0	54.2	53.2
14-Jul-24	56.6	54.6	53.2
15-Jul-24	59.3	57.7	54.5
16-Jul-24	56.0	59.3	56.8
17-Jul-24	54.8	58.1	55.1
18-Jul-24	56.2	56.4	56.2
19-Jul-24	55.1	58.9	55.9
20-Jul-24	56.8	59.2	58.0
21-Jul-24	57.2	58.1	55.4
22-Jul-24	58.3	57.1	54.9
23-Jul-24	56.4	55.9	54.2
24-Jul-24	54.7	56.0	55.9
25-Jul-24	54.5	58.8	56.8
26-Jul-24	56.1	59.9	57.6
27-Jul-24	54.8	58.9	56.2
28-Jul-24	55.5	58.2	56.0
29-Jul-24	56.2	59.2	58.0
30-Jul-24	58.5	60.4	56.5
31-Jul-24	60.4	58.6	56.4

Wellington International Airport
Managed Noise Service
Monthly Report for Jul 2024

Aircraft Operations

Operations Analysis Jul 1, 2024 to Jul 31, 2024

Operation Type	Day	Night	Total
Arrival	3264	123	3387
Departure	3127	181	3308
Total	6391	304	6695

Jet	Day	Night	Total
A20N - Airbus A-320	50	56	106
A21N - Airbus A-321	48	4	52
A320 - Airbus - A320	1647	72	1719
B38M - Boeing 737 Max 8	34	0	34
B738 - Boeing - 737-800	129	59	188
C25A - Cessna Citation CJ2+	11	1	12
C25B - Cessna Citation CJ3 (twin-jet)	4	0	4
C510 - CESSNA CITIATION MUSTANG	21	0	21
CL60 - Canadair Bombardier - CL600/610 Challenger	1	0	1
E190 - Embraer E190	62	0	62
E50P - Embraer Phenom 100	2	0	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	9	0	9
FA7X - Dassault Falcon 7X	2	0	2
GLF5 - Gulfstream - Gulfstream 5	2	0	2
GLF6 - Gulfstream G650	2	0	2
Total	2024	192	2216

Wellington International Airport
Managed Noise Service
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Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	17	1	18
AT76 - Aerospatiale/Aeritalia - ATR-72-600	1000	16	1016
B350 - Beech - Super King Air 350	21	0	21
BE20 - Beech - Super King Air 200, 1300	315	32	347
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	42	2	44
C130 - Lockheed - Hercules, Spectre	3	0	3
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	566	41	607
DH8C - Dehavilland - Dash 8, DHC8 - 300	1808	1	1809
JS31 - British Aerospace-BAe-3100 Jetstream 31	8	0	8
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	57	0	57
PC12 - Pilatus Flugzeugwerke Ag - PC-12	252	9	261
SF34 - Saab - SF-340	8	0	8
TEX2 - Beechcraft T-6A Texan II	1	0	1
Total	4098	102	4200

Others	Day	Night	Total
BE36 - Beech - Bonanza 36	2	0	2
BK17 - MBB/Kawasaki BK 117	9	4	13
BN2P - Britten Norman - BN-2A/B Islander, Defender	8	0	8
C152 - Cessna - Cessna 152	6	0	6
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	34	0	34
C185 - Cessna - Skywagon 185 (U-17A/B)	1	0	1
DA40 - Diamond DA40	2	0	2
GA8 - GippsAero GA8 Airvan	32	0	32
M9 - Beretta M9	3	0	3
NH90 - NH90 Caiman	3	0	3
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	22	0	22
PA34 - Piper - Seneca 2/3	2	0	2
PA38 - Piper - Tomahawk	78	0	78
PA44 - Piper - Seminole, Turbo Seminole	4	0	4
Unknown	63	6	69
Total	269	10	279

Category	Day	Night	Total
Jet	2024	192	2216
Turboprop	4098	102	4200
Other	269	10	279
Total	6391	304	6695

Wellington International Airport
Managed Noise Service
Monthly Report for Jul 2024

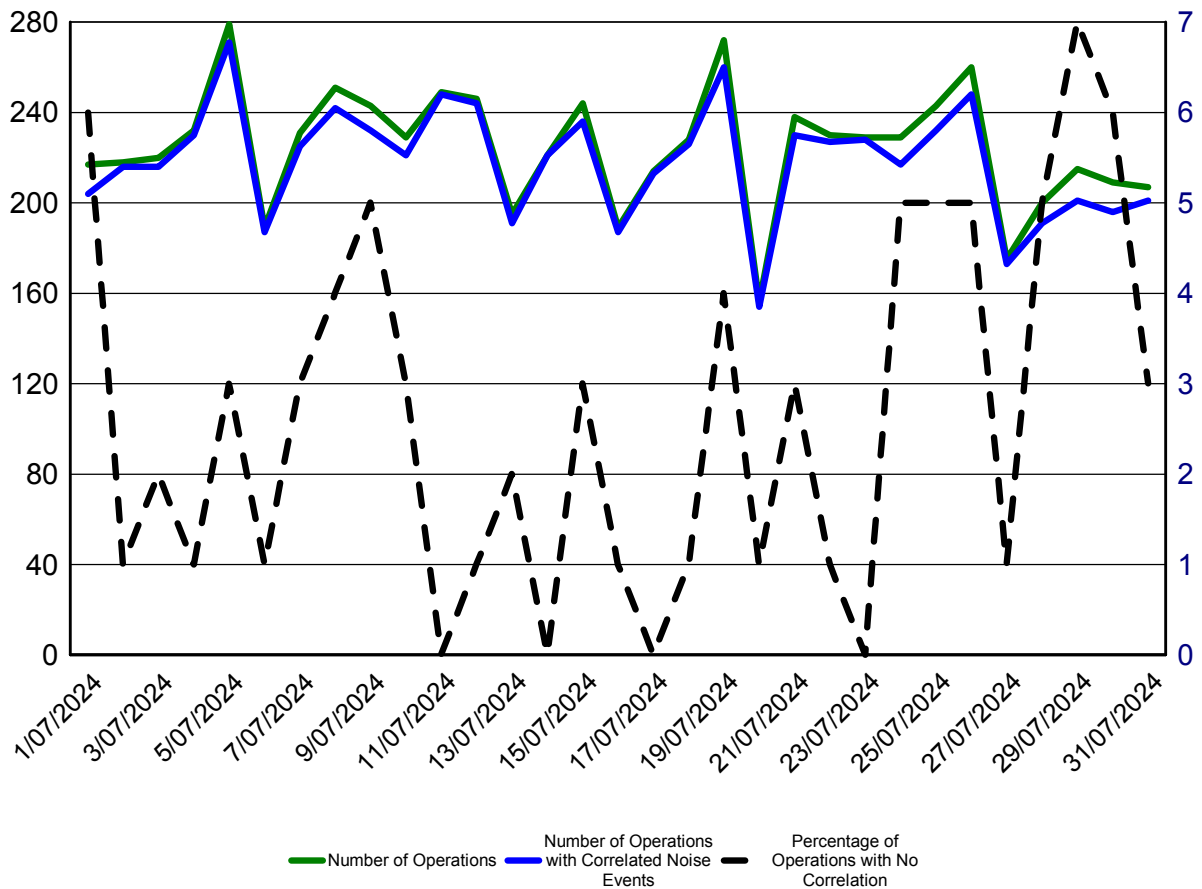
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis Jul 1, 2024 to Jul 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-Jul-2024	217	204	6%	0
02-Jul-2024	218	216	1%	0
03-Jul-2024	220	216	2%	1
04-Jul-2024	232	230	1%	0
05-Jul-2024	279	271	3%	0
06-Jul-2024	189	187	1%	0
07-Jul-2024	231	225	3%	2
08-Jul-2024	251	242	4%	2
09-Jul-2024	243	232	5%	1
10-Jul-2024	229	221	3%	1
11-Jul-2024	249	248	0%	1
12-Jul-2024	246	244	1%	0
13-Jul-2024	195	191	2%	1
14-Jul-2024	221	221	0%	0
15-Jul-2024	244	236	3%	1
16-Jul-2024	189	187	1%	0
17-Jul-2024	214	213	0%	0
18-Jul-2024	228	226	1%	1
19-Jul-2024	272	260	4%	2
20-Jul-2024	156	154	1%	0
21-Jul-2024	238	230	3%	0
22-Jul-2024	230	227	1%	1
23-Jul-2024	229	228	0%	0
24-Jul-2024	229	217	5%	3
25-Jul-2024	243	232	5%	0
26-Jul-2024	260	248	5%	0
27-Jul-2024	175	173	1%	0
28-Jul-2024	200	191	5%	1
29-Jul-2024	215	201	7%	0
30-Jul-2024	209	196	6%	1
31-Jul-2024	207	201	3%	0

Wellington International Airport Managed Noise Service Monthly Report for Jul 2024

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



Wellington International Airport
Managed Noise Service
Monthly Report for Jul 2024

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Jul-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.2	-0.4	SUCCESS
02-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
03-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
04-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
05-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
06-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
07-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
08-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
09-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
10-Jul-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
11-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
12-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
13-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
14-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
15-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
16-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
17-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
18-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
19-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
20-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
21-Jul-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.2	-0.4	SUCCESS
22-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
23-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
24-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
25-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
26-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
27-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
28-Jul-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.3	-0.3	SUCCESS
29-Jul-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
30-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
31-Jul-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS



WELLINGTON INTERNATIONAL
AIRPORT LIMITED

Managed Noise Service

Monthly Report: Aug 2024

Provided By: Envirosuite
Date: 01 September, 2024



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Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

Summary

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

RMT 1 intermittent incomplete data between 15 August 2024 and 31 August 2024. HUB#16266956

*15-Aug-2024 23:00 - 16-Aug-2024 00:59.

*17-Aug-2024 05:00

*21-Aug-2024 08:00 - 10:59

RMT 1 missed the hourly record of 25-Aug-2024 10:00 #16387240

RMT 1 missed the hourly record of 27-Aug-2024 07:00 #16437105

RMT 1 missed the hourly record of 28-Aug-2024 03:00 #16455617

RMT 1 missed the hourly record of 31-Aug-2024 10:00 #16507494

RMT 2 intermittent incomplete data between 16 August 2024 and 23 August 2024. HUB#16266845

*16-Aug-2024 04:00

*18-Aug-2024 03:00

*19-Aug-2024 03:00 - 04:59, 10:00

*20-Aug-2024 04:00

*22-Aug-2024 09:00 - 10:59

*23-Aug-2024 09:00 - 10:59

RMT 2 missed the hourly record of 26-Aug-2024 12:00. HUB #16414136

RMT 2 missed the hourly record of 28-Aug-2024 10:00. HUB#16455156

RMT 3 intermittent incomplete data between 16 August 2024 and 22 August 2024. HUB#16267180

*16-Aug-2024 02:00, 04:00

*17-Aug-2024 05:00 - 08:59, 21:00,23:00

*18-Aug-2024 00:00, 01:00, 03:00 - 04:59, 08:00 - 10:59,

*19-Aug-2024 01:00 - 23:59

*20-Aug-2024 00:00 - 11:59.

*21-Aug-2024 01:00

*22-Aug-2024 06:00 - 07:59, 10:00

RMT 3 missed the hourly record of 26-Aug-2024 02:00, 12:00 . HUB#16414140

RMT 3 missed the hourly record of 31-Aug-2024 10:00 . HUB#16507494

Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

Aircraft LDN

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

	RMT 1 Rongotai	RMT 2 Maupuia	RMT 3 Kekerenga
01-Aug-24	60.5	58.0	56.6
02-Aug-24	59.3	57.5	54.8
03-Aug-24	56.5	57.2	54.5
04-Aug-24	56.9	58.4	55.5
05-Aug-24	55.2	58.6	56.8
06-Aug-24	54.3	58.5	56.3
07-Aug-24	54.5	59.0	55.4
08-Aug-24	57.1	59.5	56.9
09-Aug-24	59.0	58.5	56.6
10-Aug-24	55.5	53.5	54.1
11-Aug-24	54.5	59.8	56.7
12-Aug-24	56.6	58.4	56.5
13-Aug-24	56.2	56.6	55.2
14-Aug-24	55.7	59.3	57.0
15-Aug-24	55.2	59.4	56.8
16-Aug-24	55.7	61.4	58.5
17-Aug-24	53.5	58.6	54.3
18-Aug-24	57.8	59.0	57.5
19-Aug-24	56.1	57.1	0.0
20-Aug-24	54.6	58.7	53.1
21-Aug-24	54.0	59.3	56.9
22-Aug-24	55.0	59.8	54.4
23-Aug-24	58.6	57.8	59.9
24-Aug-24	54.4	58.9	56.9
25-Aug-24	56.1	52.1	57.9
26-Aug-24	54.6	60.0	58.1
27-Aug-24	56.7	58.6	57.5
28-Aug-24	55.3	58.7	56.3
29-Aug-24	59.4	55.2	60.5
30-Aug-24	54.8	61.5	58.0
31-Aug-24	58.2	56.0	58.9

Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

Aircraft Operations

Operations Analysis
Aug 1, 2024 to Aug 31, 2024

Operation Type	Day	Night	Total
Arrival	3204	129	3333
Departure	3021	180	3201
Total	6225	309	6534

Jet	Day	Night	Total
A20N - Airbus A-320	57	60	117
A21N - Airbus A-321	45	0	45
A320 - Airbus - A320	1613	73	1686
B38M - Boeing 737 Max 8	23	0	23
B737 - Boeing - 737-700	2	0	2
B738 - Boeing - 737-800	125	61	186
B752 - Boeing - 757-200	8	0	8
BE40 - Beech - Beechjet 400/T-1 Jayhawk	2	0	2
C25A - Cessna Citation CJ2+	18	1	19
C25B - Cessna Citation CJ3 (twin-jet)	4	0	4
C510 - CESSNA CITIATION MUSTANG	17	0	17
C560 - Cessna - Citation 5	2	0	2
C680 - CESSNA - 680 Citation Sovereign L2J/M	2	0	2
CL60 - Canadair Bombardier - CL600/610 Challenger	1	1	2
E190 - Embraer E190	45	0	45
E50P - Embraer Phenom 100	2	0	2
FA20 - Dassault-Breguet - Falcon 20, Mystere 20 (T-11)	2	0	2
FA50 - Dassault-Breguet - Falcon 50, Mystere 50 (T-16)	10	1	11
FA7X - Dassault Falcon 7X	4	0	4
GLEX - Bombardier GLOBAL EXPRESS/Sentinel	4	0	4
GLF5 - Gulfstream - Gulfstream 5	2	0	2
LJ60 - Gates Learjet - Learjet 60	2	0	2
Total	1990	197	2187

Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

Turboprop	Day	Night	Total
AT75 - Aerospatiale/Aeritalia - ATR-72-500	18	0	18
AT76 - Aerospatiale/Aeritalia - ATR-72-600	1033	16	1049
B350 - Beech - Super King Air 350	19	1	20
BE20 - Beech - Super King Air 200, 1300	285	26	311
BE9L - Beech - KingAir90, A90 to E90 (T-44, V-C6), Taurus 90	40	0	40
C130 - Lockheed - Hercules, Spectre	14	0	14
C208 - Cessna-Caravan 1-208,(Super) Cargomaster, Grand Caravan (U27)	576	45	621
C30J - C-130J Hercules	2	0	2
DH8C - Dehavilland - Dash 8, DHC8 - 300	1705	1	1706
JS31 - British Aerospace-BAe-3100 Jetstream 31	15	0	15
JS32 - British Aerospace-BAe-3200 Jetstream Super 31	29	0	29
PAY4 - Piper - Cheyenne 400	1	0	1
PC12 - Pilatus Flugzeugwerke Ag - PC-12	234	11	245
SF34 - Saab - SF-340	14	0	14
Total	3985	100	4085

Others	Day	Night	Total
BEAR - R & B RB-4 Bearhawk	2	0	2
BK17 - MBB/Kawasaki BK 117	19	0	19
C172 - Cessna - Skyhawk 172/Cutlass/Mescalero	27	0	27
C182 - Cessna - Skylane 182	1	0	1
DA40 - Diamond DA40	2	0	2
EC45 - Eurocopter EC145	2	0	2
GA7C	2	0	2
GA8 - GippsAero GA8 Airvan	4	0	4
H2	4	0	4
M9 - Beretta M9	6	0	6
P28A - Piper - Cherokee, Archer, Warrior, Cadet, Cruiser (PA-28-140/150/151/160/161/180/181)	23	0	23
P28U	2	0	2
PA31 - Piper - Chieftan, Mohave, Navajo, T-1020	2	0	2
PA32 - Piper - Cherokee Six, Lance, (Turbo) Saratoga	4	0	4
PA34 - Piper - Seneca 2/3	2	0	2
PA38 - Piper - Tomahawk	78	0	78
PA44 - Piper - Seminole, Turbo Seminole	5	0	5
R22 - Robinson R-22	2	0	2
RV6 - Vans RV-6	1	0	1
Unknown	62	12	74
Total	250	12	262

Category	Day	Night	Total
Jet	1990	197	2187
Turboprop	3985	100	4085
Other	250	12	262
Total	6225	309	6534

Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

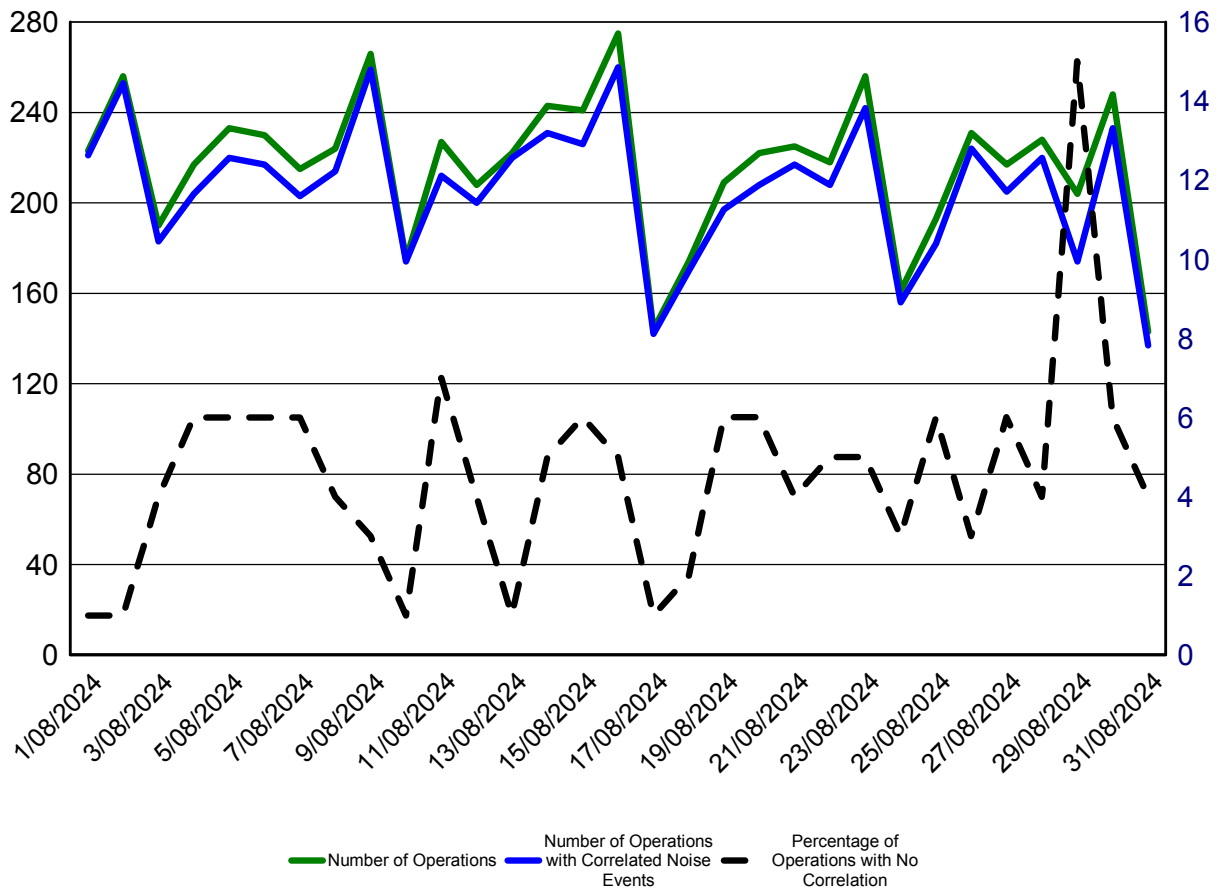
Uncorrelated Aircraft

Uncorrelated Aircraft Analysis Aug 1, 2024 to Aug 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-Aug-2024	223	221	1%	1
02-Aug-2024	256	253	1%	0
03-Aug-2024	190	183	4%	2
04-Aug-2024	217	204	6%	1
05-Aug-2024	233	220	6%	1
06-Aug-2024	230	217	6%	3
07-Aug-2024	215	203	6%	4
08-Aug-2024	224	214	4%	1
09-Aug-2024	266	259	3%	1
10-Aug-2024	175	174	1%	1
11-Aug-2024	227	212	7%	1
12-Aug-2024	208	200	4%	0
13-Aug-2024	222	220	1%	1
14-Aug-2024	243	231	5%	0
15-Aug-2024	241	226	6%	1
16-Aug-2024	275	260	5%	2
17-Aug-2024	144	142	1%	0
18-Aug-2024	174	170	2%	0
19-Aug-2024	209	197	6%	3
20-Aug-2024	222	208	6%	0
21-Aug-2024	225	217	4%	0
22-Aug-2024	218	208	5%	1
23-Aug-2024	256	242	5%	1
24-Aug-2024	161	156	3%	1
25-Aug-2024	193	182	6%	3
26-Aug-2024	231	224	3%	0
27-Aug-2024	217	205	6%	1
28-Aug-2024	228	220	4%	2
29-Aug-2024	204	174	15%	5
30-Aug-2024	248	233	6%	1
31-Aug-2024	143	137	4%	1

Wellington International Airport Managed Noise Service Monthly Report for Aug 2024

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



Wellington International Airport
Managed Noise Service
Monthly Report for Aug 2024

Calibration Report

	RMT 1			RMT 2			RMT 3		
	Measured	Diff.	Status	Measured	Diff.	Status	Measured	Diff.	Status
01-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.2	-0.4	SUCCESS
02-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
03-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
04-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
05-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
06-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
07-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
08-Aug-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
09-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
10-Aug-2024	88.4	0.3	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
11-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
12-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.2	-0.4	SUCCESS
13-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
14-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.3	-0.3	SUCCESS
15-Aug-2024	88.4	0.3	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
16-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
17-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
18-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
19-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS
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21-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.4	-0.2	SUCCESS
22-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS
23-Aug-2024	88.4	0.3	SUCCESS	88.1	0.2	SUCCESS	88.5	-0.1	SUCCESS
24-Aug-2024	88.3	0.2	SUCCESS	88.1	0.2	SUCCESS	88.4	-0.2	SUCCESS
25-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.5	-0.1	SUCCESS
26-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS
27-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS
28-Aug-2024	88.3	0.2	SUCCESS	87.9	0.0	SUCCESS	88.4	-0.2	SUCCESS
29-Aug-2024	88.3	0.2	SUCCESS	88.3	0.4	SUCCESS	88.4	-0.2	SUCCESS
30-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS
31-Aug-2024	88.3	0.2	SUCCESS	88.0	0.1	SUCCESS	88.4	-0.2	SUCCESS