

ТРИМЕСЕЧЕН ДОКЛАД ЗА

ПЕРИОДА ОКТОМВРИ - ДЕКЕМВРИ 2023 ГОДИНА

РЕЗУЛТАТИ

ОТ СОБСТВЕНИТЕ НЕПРЕКЪСНАТИ ИЗМЕРВАНИЯ НА ШУМА, ДАВАЩИ ПРЕДСТАВА ЗА АКУСТИЧНОТО СЪСТОЯНИЕ НА РАЙОНИ, РАЗПОЛОЖЕНИ В БЛИЗОСТ ДО ЛЕТИЩЕ ВАРНА

Настоящата информация е изготвена в съответствие с чл. 31 от Наредба № 54/13.12.2010 г. за дейността на националната система за мониторинг на шума в околната среда и за изискванията за провеждане на собствен мониторинг и предоставяне на информация от промишлените източници на шум в околната среда.

1. Собственик или ползвател, име и адрес на летището - източник на шум:

Ползвател: **“Фрапорт Туин Стар Еърпорт Мениджмънт” АД - концесионер на летища Варна и Бургас**

Адрес: град Варна, летище Варна

2. Лице за контакти

Мая Христова, Експерт “Интегрирани системи за управление”, звено “Интегрирани ситеми за управление и Медицинско осигуряване”, Централно управление, тел. 056/870 279

3. Типове въздухоплавателни средства, опериращи на летище Варна.

В Приложение № 1 към настоящия доклад “Справка за броя на изпълнените самолетодвижения от/до летище Варна по редовни линии и сезонни чартърни линии за периода октомври - декември 2023 година” са дадени типа и модификацията на въздухоплавателните средства (ВС), изпълняващи редовни полети по разписание и сезонни чартърни линии от/до летище Варна.

4. Денонощни нива на шума, разпределени по дни от месеците.

Системата за мониторинг на шума бе въведена в експлоатация в началото на активен летен сезон на 2011 г. Тя се състои от четири стационарни терминала, чието разположение е съобразено с прогнозния шумов контур L_{Aeq} 60-65 dB (A) на летище Варна за 2009/2010 г. Извършени бяха предпроектни натурни измервания от екип от специалисти по “Акустика” на Института по въздушен транспорт, посредством мобилни акустични станции, по предварително определени локации, съответстващи на разположението на въздушните трасета за отлитане и долитане.

Системата за мониторинг на шума е инсталира от един от световните лидери в тази област - "Топсоник Системхаус" ГМБХ - Германия. Инсталацията е една от най-модерните системи, разработена по съвременни технологии за регистриране на шумови събития. Измерването става посредством специални терминални станции с вграден микрофон, конфигурирани на база разположението на въздушните коридори. Данните, получени от измерванията се актуализират на всяка половин до една секунда. Системата съхранява информация в база данни, изчислява параметрите за шум, регистрира показателите не само по отношение на кацащите и излитащите самолети, но и на прелитащите над конкретния район.

Местоположенията на терминалите са както следва:

Терминал 1 - комплекс "Младост", ул. "Мечтание"/43 ЦДГ "Синчец", покрив на сградата на детска градина;

Терминал 2 - комплекс "Трошево", ул. "Милосърдие" № 10/45 ЦДГ "Пролет", покрив на сградата на детска градина;

Терминал 3 - ОУ "Цар Симеон", покрив на училището;

Терминал 4 - 7 СОУ "Найден Геров", покрив на училището;



Акустичното състояние на райони, разположени в близост до летище Варна

Акустичното състояние за четвърто тримесечие на 2023 г. за районите, разположени в близост до летище Варна, където са инсталирани и стационарните терминали за мониторинг на шума е представено в табличен вид (Приложение № 2).

Табличните резултати предоставят информация за разглежданите три месеца и дават разпределението на еквивалентните денонощни нива на шума за 24 часа $L_{eq} / 24h$ непрекъснат период на измерване. В Приложение № 2 са посочени регистрираните еквивалентни нива на шум над наблюдавания район - фонов шум ($L_{Aeq} Residual$

sound=Background). Допълнително е представен и максималния шум възникнал от едно шумово събитие L_{max} - от всеки един терминал за съответния период.

В Приложение № 3 в табличен вид са представени денонощните еквивалентните нива на шума, дневните, вечерните и нощните еквивалентни нива, разпределени по дни от месеците на разглеждания период, както и регистрираните еквивалентни нива на шум от шумови събития, свързани с полети LDEN correlated Aircraft и кумулативния шум LDEN Total.

5. Брой въздухоплавателни средства по направления за отлитане и долитане над пунктовете за мониторинг.

Месечният брой на всички шумови събития, основно предизвикани от отлитащи и долитащи въздухоплавателни средства, регистрирани от стационарните терминали за мониторинг на шума е даден в Таблица 1.

Таблица 1

Терминал за мониторинг на шума	Брой регистрирани шумови събития		
	Октомври 2023 г.	Ноември 2023 г.	Декември 2023 г.
T1	229	150	179
T2	229	150	179
T3	229	150	179
T4	229	150	179

6. Брой превишения на граничните стойности на показателите за шум и тип на въздухоплавателното средство, предизвикало превишението.

В Приложения № 4, 5 и 6 са показани най-шумните корелирани шумови събития и ВС, регистрирани от терминали T1, T2, T3, T4 за месеците октомври, ноември и декември. За всяко едно събитие са дадени датата и часа на регистрацията му, отчетеното ниво на максималния шум L_{max} в dB(A) и типа на въздухоплавателното средство, причинило този шум. Всяка една от месечните графики включва първите най-шумни събития, за които може да се идентифицира съответния им причинител.

7. Брой отклонения на въздухоплавателните средства от регламентираните направления за отлитане и долитане на летище Варна.

Предоставянето на информация по чл. 32, ал. 1, т. 7 от Наредба № 54 от 13 декември 2010 г. за дейността на националната система за мониторинг на шума в околната среда и за изискванията за провеждане на собствен мониторинг и предоставяне на информация от промишлените източници на шум в околната среда е от компетентността на ДП РВД - София.

Изготвил:

Галя Петрова, Ръководител звено "Интегрирани системи за управление и Медицинско осигуряване"

**Traffic by Aircraft Type
October 2023**



AC-Type	AC-Type Long Name	Movements per Month			Sum
		October	November	December	
A21N	Airbus A321neo	2	5	8	15
A319	Airbus A319	23	20	4	47
A320	Airbus A320	591	318	460	1369
A321	Airbus A321	15	7	10	32
A333	Airbus A330-300	0	0	2	2
A339		0	0	8	8
AT72	ATR 72-200	4	0	0	4
AT76	ATR 72-600	22	0	0	22
ATLA		12	0	0	12
B350	Beech King Air 350	2	0	0	2
B38M	Boeing 737 MAX 8	18	0	6	24
B39M	Boeing 737 MAX 9	0	2	0	2
B733	Boeing 737-300	49	0	3	52
B734	Boeing 737-400	0	0	5	5
B738	Boeing 737-800	52	42	54	148
B739	Boeing 737-900	22	4	6	32
BCS3	Bombardier BD-500 CSeries CS300	12	70	30	112
C182	Cessna 182 Skylane	2	0	0	2
C206	Cessna 206 Stationair	2	0	0	2
C25A	Cessna 525A Citation CJ2	10	2	4	16
C25M	Cessna 525 Citation M2	2	0	0	2
C27J	Alenia C-27J Spartan	6	6	0	12
C295	CASA C-295 Persuader	6	6	12	24
C30J	Lockheed Martin C-130J Hercules	2	0	0	2
C550	Cessna 550 Citation 2	0	4	2	6
C560	Cessna 560 Citation 5	0	0	2	2
C56X	Cessna 560XL Citation Excel	2	6	6	14
C650	Cessna 650 Citation 3/6/7	2	0	0	2
C68A	Cessna 680A Citation Latitude	0	0	2	2
CL35	Bombardier BD-100 Challenger 350	2	0	0	2
CL60	Bombardier CL-600 Challenger 600	2	2	2	6
DR40	Robin DR-400 Cadet	2	0	0	2
E121	Embraer EMB-121 Xingu	2	0	0	2
E190	Embraer ERJ 190-100	34	46	44	124
E195	Embraer ERJ 190-200	26	10	4	40
E35L	Embraer EMB-135BJ Legacy	4	2	0	6
E550	Embraer EMB-550 Legacy 500	2	0	2	4
E55P	Embraer EMB-505 Phenom 300	10	6	2	18
F2TH	Dassault Falcon 2000	0	2	4	6
F900	Dassault Falcon 900	2	0	0	2
FA7X	Dassault Falcon 7X	2	0	0	2
GL5T	Bombardier BD-700 Global 5000	0	0	2	2
GLF5	Gulfstream 5	0	6	0	6
H25B	BAe 125-700/-800	0	0	2	2
L410	Let L410 Turbolet	0	2	0	2
LJ35	Bombardier Learjet 35/36	2	0	4	6
LJ45	Bombardier Learjet 45	0	2	2	4
MD82	McDonnell Douglas MD-82	24	0	0	24
NFEX		2	0	0	2
P180	Piaggio P-180 Avanti	4	3	0	7
SF34	Saab 340	2	10	4	16
SW4	Fairchild Swearingen Metroliner/Merlin 4	0	0	2	2

Traffic by Aircraft Type
October 2023



AC-Type	AC-Type Long Name	Movements per Month			Sum
		October	November	December	
	Sum	980	583	698	2261

Equivalent Continuous Sound Level
MP01 NMTVAR001
October 2023

	Total Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
10/1/2023	54.1	43.7	54.6	51.9	54.8
10/2/2023	71.4	45.6	72.6	52.6	69.7
10/3/2023	57.7	42.9	58.7	51.5	57.1
10/4/2023	58.0	44.2	58.3	57.1	58.4
10/5/2023	58.8	42.8	59.5	55.8	58.5
10/6/2023	58.7	44.3	59.0	57.8	59.0
10/7/2023	54.3	43.0	54.9	51.8	54.8
10/8/2023	*	47.2	*	55.2	*
10/9/2023	58.8	42.9	59.7	53.5	58.1
10/10/2023	58.0	41.9	59.0	50.9	57.1
10/11/2023	57.9	43.3	58.9	51.5	57.3
10/12/2023	64.5	43.8	58.9	69.5	67.1
10/13/2023	57.5	43.8	58.5	51.7	57.1
10/14/2023	54.7	45.9	55.3	52.0	55.8
10/15/2023	54.0	42.8	54.6	51.7	54.6
10/16/2023	57.4	48.3	58.3	53.3	58.3
10/17/2023	56.4	43.8	57.0	54.0	56.6
10/18/2023	57.1	44.4	58.0	52.4	57.0
10/19/2023	57.4	43.7	58.1	54.0	57.3
10/20/2023	60.6	46.9	61.7	53.1	60.0
10/21/2023	52.2	42.8	52.2	52.3	53.7
10/22/2023	51.1	50.2	51.2	50.8	56.8
10/23/2023	59.4	43.0	59.2	59.9	60.0
10/24/2023	57.2	42.5	57.8	54.8	57.2
10/25/2023	58.5	43.2	59.2	55.8	58.3
10/26/2023	57.3	43.7	57.9	54.8	57.4
10/27/2023	58.5	42.9	59.0	56.8	58.5
10/28/2023	53.4	46.7	53.1	54.1	56.2
10/29/2023	52.5	43.2	52.5	52.5	53.9
10/30/2023	54.2	44.9	54.7	52.6	55.4
10/31/2023	52.8	42.4	53.1	51.7	53.8
Sum	60.1	44.6	60.7	57.3	59.9

	Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
	49.9		50.8	45.1	48.9
	54.8		56.0		53.0
	48.5		49.7		46.7
	50.7		50.6	51.1	51.0
	50.6		49.3	53.1	51.8
	50.7		51.1	49.5	50.5
	51.6		52.8		49.8
	*		*		*
	49.5		49.4	49.9	49.8
	45.1		45.2	44.6	45.0
	51.2		52.4		49.4
	50.1		51.3		48.3
	49.6		50.9		47.8
	51.9	42.1	52.5	49.0	52.7
	51.0		51.9	46.7	50.1
	44.5	40.0	42.8	47.1	48.5
	48.1		47.9	48.9	48.5
	45.7		46.5	41.7	44.8
	46.4		45.7	48.1	47.2
	48.1		49.2	40.5	46.7
	43.8		45.0		42.0
	39.2		34.2	44.0	41.6
	47.9		47.3	49.2	48.5
	46.3		47.6		44.6
	46.4	34.7	46.0	47.5	47.7
	41.9	37.0	42.4	39.6	44.8
	44.2		44.2	44.4	44.4
	41.9	44.1	38.5	45.3	50.7
	44.0		41.7	47.6	45.6
	49.2		48.8	50.4	49.8
	46.3		46.3	46.3	46.4
	48.9	32.5	49.4	46.5	48.6

* Availability < 50%

Equivalent Continuous Sound Level
MP02 NMTVAR002
October 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
10/1/2023	52.3	42.7	52.7	50.4	53.3	49.3		49.9	46.3	48.5
10/2/2023	57.6	47.6	58.7	47.4	57.7	40.1		41.4		38.4
10/3/2023	53.1	42.2	54.0	48.6	53.4	46.8		48.1		45.1
10/4/2023	54.5	43.4	55.3	50.8	54.8	48.7		48.9	47.7	48.5
10/5/2023	54.0	43.0	54.1	53.7	55.0	49.4		47.6	52.4	50.8
10/6/2023	53.7	43.1	54.3	51.4	54.4	48.7		49.0	47.5	48.4
10/7/2023	52.9	41.9	53.9	47.5	53.1					
10/8/2023	*	45.9	*	52.9	*	*		*		*
10/9/2023	52.6	42.0	53.1	50.4	53.3	47.8		47.6	48.3	48.1
10/10/2023	52.2	41.5	53.0	48.4	52.6	43.7		43.8	43.5	43.7
10/11/2023	53.9	42.3	54.8	47.9	53.8	49.6		50.8		47.8
10/12/2023	54.2	45.0	55.1	49.7	55.0	47.8		49.1		46.1
10/13/2023	53.3	42.8	54.2	47.8	53.6	47.8		49.1		46.1
10/14/2023	53.2	44.8	54.0	49.7	54.4	51.0	41.6	51.9	46.2	51.7
10/15/2023	52.2	41.3	52.7	50.2	52.9	49.7		50.4	46.0	48.8
10/16/2023	52.8	45.5	53.6	49.8	54.4	43.7	40.5	42.4	46.0	48.1
10/17/2023	52.4	42.9	53.1	49.0	53.2	46.5		46.7	46.0	46.4
10/18/2023	52.0	43.0	52.8	47.9	52.9	44.7		45.7	38.6	43.5
10/19/2023	52.9	43.7	53.4	51.4	54.1	45.6		43.7	48.7	47.1
10/20/2023	53.1	42.2	54.0	48.1	53.3	46.3		47.4	38.2	44.9
10/21/2023	50.4	43.3	50.9	48.3	52.3	44.1		45.3		42.3
10/22/2023	48.6	41.7	48.3	49.4	51.1	38.9		35.0	43.3	41.1
10/23/2023	53.3	42.6	53.9	50.6	53.9	46.5		46.1	47.4	47.0
10/24/2023	53.2	42.2	54.1	47.2	53.3	44.3		45.6		42.6
10/25/2023	53.3	43.4	54.0	49.9	54.0	45.3	34.5	45.3	45.2	46.4
10/26/2023	53.4	43.0	54.3	48.2	53.7	39.9	37.0	40.1	39.4	44.2
10/27/2023	53.3	43.1	53.9	50.2	53.9	42.2		41.6	43.6	42.9
10/28/2023	51.6	47.6	51.9	50.8	55.5	41.1	45.2	39.1	43.7	51.4
10/29/2023	49.3	45.6	49.2	49.6	53.3	42.4		39.5	46.4	44.2
10/30/2023	53.0	44.4	53.5	51.3	54.4	47.6		47.3	48.5	48.1
10/31/2023	56.4	41.4	57.4	49.6	55.7	45.7		45.7	45.7	45.8
Sum	53.3	43.7	54.0	49.9	54.1	46.5	32.9	46.9	45.0	46.8

* Availability < 50%

Equivalent Continuous Sound Level
MP03 NMTVAR003
October 2023

	Total Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
10/1/2023	*	*	*	*	*
10/2/2023	99.1	*	100.8	59.3	*
10/3/2023	56.6	58.6	56.6	56.8	64.6
10/4/2023	57.8	57.8	57.6	58.3	64.2
10/5/2023	58.8	56.7	59.6	54.1	63.3
10/6/2023	58.0	54.0	57.4	59.4	61.9
10/7/2023	58.9	59.6	59.0	58.7	65.8
10/8/2023	*	59.2	*	59.6	*
10/9/2023	58.7	59.1	58.4	59.4	65.4
10/10/2023	57.2	58.9	57.1	57.8	65.0
10/11/2023	58.0	57.2	57.5	59.1	63.9
10/12/2023	60.4	60.6	60.2	60.8	67.0
10/13/2023	58.1	61.5	57.8	58.8	67.3
10/14/2023	57.7	58.4	58.1	55.9	64.5
10/15/2023	57.1	58.6	56.1	59.3	64.9
10/16/2023	57.0	60.5	56.9	57.3	65.5
10/17/2023	57.1	57.5	56.9	57.8	63.8
10/18/2023	56.4	58.0	56.5	56.3	64.0
10/19/2023	58.1	56.3	58.1	58.1	63.2
10/20/2023	55.0	55.8	54.8	55.6	62.0
10/21/2023	54.1	55.2	53.6	55.2	61.4
10/22/2023	55.5	56.2	55.0	56.7	62.5
10/23/2023	55.5	56.3	55.4	55.6	62.5
10/24/2023	55.9	57.7	55.6	56.5	63.8
10/25/2023	56.5	57.6	56.6	56.1	63.7
10/26/2023	55.3	56.5	55.3	55.2	62.6
10/27/2023	55.6	55.5	55.4	56.2	62.0
10/28/2023	55.8	56.2	55.5	56.4	62.9
10/29/2023	55.4	56.3	54.7	57.1	62.8
10/30/2023	56.3	57.1	56.2	56.4	63.3
10/31/2023	56.8	56.9	56.6	57.4	63.3
Sum	83.3	57.9	84.6	57.7	81.6

	Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
10/1/2023	*	*	*	*	*
10/2/2023	78.9	*	80.7		*
10/3/2023	30.6		31.8		28.8
10/4/2023	33.4		34.6		31.6
10/5/2023	41.0		41.8	36.8	40.1
10/6/2023	35.8		34.5	38.2	36.9
10/7/2023					
10/8/2023	*		*		*
10/9/2023	28.8		30.0		27.0
10/10/2023					
10/11/2023	29.6		30.8		27.8
10/12/2023	34.0		35.2		32.2
10/13/2023	31.4		32.7		29.7
10/14/2023	30.3		31.5		28.5
10/15/2023	31.1		32.4		29.4
10/16/2023					
10/17/2023					
10/18/2023	32.6		33.8		30.8
10/19/2023	35.2		36.5		33.4
10/20/2023	28.3		29.5		26.5
10/21/2023					
10/22/2023					
10/23/2023					
10/24/2023					
10/25/2023					
10/26/2023					
10/27/2023					
10/28/2023					
10/29/2023					
10/30/2023					
10/31/2023	24.4		25.7		22.7
Sum	63.1		64.4	25.8	61.4

* Availability < 50%

Equivalent Continuous Sound Level
MP04 NMTVAR004
October 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
10/1/2023	56.4	52.0	57.1	53.7	59.6	43.7		44.6	38.5	42.6
10/2/2023	70.1	58.0	71.3	52.6	69.5	61.2		62.4		59.4
10/3/2023	59.0	48.6	60.0	52.0	59.2	41.5		42.8		39.8
10/4/2023	61.2	48.1	62.3	52.0	60.6	42.8		42.9	42.6	42.9
10/5/2023	63.0	47.2	64.1	52.2	61.9	42.8		41.7	45.1	43.9
10/6/2023	62.6	49.5	63.6	56.3	62.2	44.9		45.5	42.2	44.2
10/7/2023	56.8	47.7	57.2	55.3	58.0					
10/8/2023	*	50.4	*	57.6	*	*		*		*
10/9/2023	61.8	51.3	62.9	53.7	61.9	41.4		38.9	45.1	43.2
10/10/2023	61.8	46.7	62.9	53.6	61.0	43.4		44.1	40.0	42.6
10/11/2023	58.7	50.2	59.7	53.0	59.6	46.0		47.3		44.3
10/12/2023	58.3	47.5	59.3	51.8	58.4	36.4		37.7		34.7
10/13/2023	58.4	47.6	59.4	51.9	58.5	44.0		45.3		42.3
10/14/2023	56.3	48.6	57.2	50.9	57.5	46.4	40.3	47.6		48.1
10/15/2023	55.3	48.5	56.2	50.9	57.1	42.6		43.7	33.9	41.1
10/16/2023	60.1	62.9	61.4	52.1	67.7	38.0	37.4	39.4		42.8
10/17/2023	60.0	47.4	61.0	53.0	59.7	40.4		40.7	39.2	40.1
10/18/2023	58.7	51.1	59.7	52.6	60.0	42.6		43.8		40.8
10/19/2023	59.7	48.4	60.7	53.0	59.6	37.4		30.2	42.7	40.2
10/20/2023	60.4	48.0	61.5	52.3	60.0	42.4		43.7		40.7
10/21/2023	56.8	50.4	57.7	51.8	58.7	40.0		41.3		38.3
10/22/2023	55.2	47.4	55.8	52.6	56.7	33.9			39.9	37.1
10/23/2023	64.8	46.0	66.0	51.7	63.4	47.1		48.0	41.6	45.9
10/24/2023	62.1	46.6	63.3	51.2	61.1	41.2		42.5		39.5
10/25/2023	63.4	47.1	64.6	52.5	62.3	42.8		43.2	41.4	42.5
10/26/2023	64.9	47.3	66.1	52.0	63.6	38.3	32.5	38.8	36.1	40.8
10/27/2023	63.0	50.4	64.0	55.2	62.6	41.5		41.6	41.2	41.6
10/28/2023	55.7	51.9	56.7	51.9	59.3	35.2	39.7		40.3	46.1
10/29/2023	54.8	49.8	55.4	52.0	57.7	36.0			42.0	39.1
10/30/2023	62.4	48.4	63.6	51.8	61.6	37.1		38.4		35.4
10/31/2023	58.1	47.8	59.1	52.4	58.4	41.6		43.1		39.8
Sum	61.6	51.3	62.7	53.0	61.7	47.8	29.1	48.9	38.7	46.5

* Availability < 50%

Equivalent Continuous Sound Level
MP01 NMTVAR001
November 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/LN	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/LN	L _D	L _E	L _{DEN}
11/1/2023	52.3	47.7	53.2	48.3	55.4	38.9		40.3		37.0
11/2/2023	*	43.5	*	*	*	*		*	*	*
11/3/2023	57.8	45.8	58.9	50.2	57.6	47.3		48.3	40.8	46.2
11/4/2023	57.2	44.1	58.3	47.2	56.5					
11/5/2023	52.8	44.4	53.3	50.5	54.1	37.9		39.1		36.1
11/6/2023	52.5	44.8	53.1	51.0	54.6	42.8		36.2	46.5	45.0
11/7/2023	57.5	44.9	58.6	49.7	57.1	45.0		46.3		43.3
11/8/2023	60.6	44.2	61.2	54.5	59.4	46.0		46.2	44.9	45.0
11/9/2023	57.0	44.4	57.9	51.9	56.9					
11/10/2023	58.5	45.2	59.5	52.3	58.1	49.0		49.4	47.3	48.6
11/11/2023	52.1	45.1	51.9	52.7	54.5	44.8	38.3		50.8	49.3
11/12/2023	50.3	45.8	51.5	46.0	53.2	41.8	37.5	43.6		44.4
11/13/2023	58.8	44.0	59.9	51.4	58.1	42.0		35.1	47.2	44.7
11/14/2023	56.1	45.2	57.1	48.5	56.1	42.1		43.4		40.4
11/15/2023	57.4	44.1	57.9	*	*	39.8		38.9	*	*
11/16/2023	57.5	47.7	58.5	50.7	57.8	37.9	37.4	39.1		43.5
11/17/2023	71.6	45.5	72.8	50.6	69.9	43.6	30.5	44.9		42.8
11/18/2023	*	45.6	*	*	*	*		*	*	*
11/19/2023	52.0	*	*	49.1	*	46.1	*	*	45.9	*
11/20/2023	54.5	45.7	55.2	51.1	55.5	44.0	37.1	41.8	47.4	47.3
11/21/2023	56.7	46.0	57.7	49.5	56.8	42.9		44.1		41.1
11/22/2023	57.4	46.1	58.3	51.9	57.5	46.6	35.3	47.2	43.6	47.0
11/23/2023	56.5	45.5	57.2	53.2	56.9	46.1		40.9	51.0	48.6
11/24/2023	*	*	*	*	*	*	*	*	*	*
11/25/2023	*	*	*	*	*	*	*	*	*	*
11/26/2023	*	*	*	*	*	*	*	*	*	*
11/27/2023	53.8	45.5	*	52.0	*	47.0	38.1	*	49.8	*
11/28/2023	54.7	43.6	55.5	50.4	55.0	44.6		45.8		42.8
11/29/2023	56.0	50.1	57.3	49.8	58.3	42.2		42.1	42.4	42.4
11/30/2023	56.6	46.8	57.4	52.1	57.2	46.1	42.6	44.8	48.6	50.6
Sum	60.2	45.8	61.4	50.9	59.3	44.2	33.4	43.9	45.0	45.6

* Availability < 50%

Equivalent Continuous Sound Level
MP02 NMTVAR002
November 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/LN	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/LN	L _D	L _E	L _{DEN}
11/1/2023	51.6	43.7	52.6	46.5	52.9	39.3		40.7		37.4
11/2/2023	52.9	44.6	53.8	47.3	53.9	43.8		45.0		42.0
11/3/2023	55.3	44.7	55.1	55.6	56.6	46.2		47.1	41.1	45.1
11/4/2023	54.6	43.6	55.0	53.4	55.4					
11/5/2023	52.5	44.2	53.1	49.7	53.8	36.5		37.7		34.7
11/6/2023	52.5	45.8	53.1	51.3	55.1	41.1		36.8	44.4	43.0
11/7/2023	53.3	46.5	54.3	46.8	54.9	44.1		45.3		42.3
11/8/2023	54.2	46.0	54.5	52.4	55.5	46.1		46.1	45.8	45.2
11/9/2023	52.2	47.8	52.7	50.5	55.3					
11/10/2023	54.9	47.7	55.7	50.6	56.4	47.1		47.6	45.5	46.8
11/11/2023	55.5	46.8	53.7	58.5	58.1	43.3	38.3		49.3	48.3
11/12/2023	51.0	45.3	51.4	50.0	53.8	43.0	37.3	44.7		44.7
11/13/2023	54.2	43.2	55.0	49.7	54.4	41.1		36.9	45.7	43.4
11/14/2023	53.1	43.6	53.1	53.3	54.6	40.4		41.6		38.6
11/15/2023	53.0	43.0	53.3	*	*	39.7		38.2	*	*
11/16/2023	52.3	45.9	53.2	46.9	54.2	38.7	37.4	40.0		43.7
11/17/2023	57.1	44.4	58.3	47.6	56.6	42.4	30.2	43.7		41.8
11/18/2023	*	44.5	*	*	*	*		*	*	*
11/19/2023	52.6	*	*	48.7	*	45.8	*	*	45.1	*
11/20/2023	52.4	44.1	52.8	50.7	53.9	45.2	35.9	44.8	46.1	47.0
11/21/2023	54.8	44.7	55.9	46.8	55.0	41.0		42.2		39.2
11/22/2023	53.3	44.5	53.9	50.5	54.4	44.9	33.4	45.3	43.3	45.5
11/23/2023	52.9	44.7	53.3	51.4	54.4	44.6		38.6	49.8	47.3
11/24/2023	53.0	44.1	53.7	49.3	53.9	42.3	34.4	43.6		43.1
11/25/2023	53.4	45.0	54.0	51.2	54.9	44.6		42.9	47.0	45.6
11/26/2023	*	*	*	*	*	*	*	*	*	*
11/27/2023	52.6	45.2	53.4	50.9	54.8	45.8	38.7	42.7	48.2	49.3
11/28/2023	54.8	43.1	55.5	51.3	55.0	42.6		43.8		40.8
11/29/2023	53.3	49.9	54.1	50.7	57.4	43.5		42.8	44.7	44.2
11/30/2023	53.2	46.0	53.9	49.7	54.9	43.5	40.9	42.3	45.8	48.4
Sum	53.7	45.5	54.3	51.4	55.2	43.2	32.7	43.1	43.7	44.6

* Availability < 50%



Equivalent Continuous Sound Level
MP03 NMTVAR003
November 2023

	Total Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
11/1/2023	56.5	56.6	56.5	56.4	63.2
11/2/2023	60.8	57.8	60.7	60.9	65.1
11/3/2023	62.3	63.2	62.5	61.5	69.4
11/4/2023	65.5	60.0	65.8	64.3	68.2
11/5/2023	58.7	60.1	58.8	58.4	66.1
11/6/2023	*	*	*	*	*
11/7/2023	*	*	*	*	*
11/8/2023	*	*	*	*	*
11/9/2023	*	*	*	*	*
11/10/2023	*	*	*	*	*
11/11/2023	*	*	*	*	*
11/12/2023	*	*	*	*	*
11/13/2023	*	*	*	*	*
11/14/2023	*	*	*	*	*
11/15/2023	*	*	*	*	*
11/16/2023	*	*	*	*	*
11/17/2023	*	*	*	*	*
11/18/2023	*	*	*	*	*
11/19/2023	*	*	*	*	*
11/20/2023	*	*	*	*	*
11/21/2023	*	*	*	*	*
11/22/2023	*	*	*	*	*
11/23/2023	*	*	*	*	*
11/24/2023	*	*	*	*	*
11/25/2023	*	*	*	*	*
11/26/2023	*	*	*	*	*
11/27/2023	*	*	*	*	*
11/28/2023	*	*	*	*	*
11/29/2023	*	*	*	*	*
11/30/2023	56.1	*	*	56.6	*
Sum	*	*	*	*	*

	Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
	30.1		31.3		28.3
	35.2		36.4		33.4
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
	*	*	*	*	*
Sum	*	*	*	*	*

* Availability < 50%

Equivalent Continuous Sound Level
MP04 NMTVAR004
November 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
11/1/2023	58.1	50.2	59.2	52.0	59.3	33.7		35.1		31.8
11/2/2023	60.2	48.0	61.3	51.5	59.8	36.8		38.0		35.0
11/3/2023	60.7	49.5	61.8	52.3	60.6	40.2		40.5	39.4	40.1
11/4/2023	63.3	48.4	64.4	53.8	62.4					
11/5/2023	56.4	49.5	57.1	53.5	58.2	37.0		38.2		35.2
11/6/2023	60.4	56.9	62.1	52.7	64.4	38.6			43.0	41.2
11/7/2023	62.0	51.1	63.2	51.0	61.9	39.4		40.7		37.7
11/8/2023	65.1	49.1	65.3	64.1	64.6	49.2		49.5	46.9	47.9
11/9/2023	61.6	55.6	62.7	53.2	63.4					
11/10/2023	66.4	49.2	67.6	53.5	65.2	39.7		41.0		38.0
11/11/2023	56.6	49.0	57.2	53.6	58.1	40.0	35.0		46.0	45.0
11/12/2023	57.5	54.5	58.9	51.3	61.1	38.8		40.5		37.3
11/13/2023	62.5	48.3	63.7	52.2	61.7	38.5		37.0	41.1	39.7
11/14/2023	60.0	50.2	61.0	51.9	60.3	39.2		40.4		37.4
11/15/2023	61.1	49.8	61.3	*	*	39.5		38.8	*	*
11/16/2023	59.3	55.6	60.3	52.4	62.7	37.1	36.4	38.4		42.5
11/17/2023	61.0	49.4	62.1	52.2	60.8	36.3	29.8	37.5		37.8
11/18/2023	*	53.6	*	*	*	*		*	*	*
11/19/2023	64.7	*	*	52.3	*	44.9	*	*	43.6	*
11/20/2023	59.8	50.0	60.8	53.7	60.2	41.1	33.7	40.7	42.1	43.5
11/21/2023	60.1	52.1	61.2	51.9	61.1	38.9		40.1		37.1
11/22/2023	60.0	50.5	60.4	58.6	61.2	39.4		40.7		37.8
11/23/2023	62.2	52.1	63.0	57.6	62.7	42.3		37.4	47.2	44.8
11/24/2023	59.3	52.4	60.1	55.6	61.1	40.3	33.3	41.5		41.5
11/25/2023	58.9	57.8	59.4	57.7	64.9	38.5		30.9	43.3	40.9
11/26/2023	*	*	*	*	*	*	*	*	*	*
11/27/2023	59.0	52.3	60.7	53.2	61.1	40.7	36.9	40.1	41.6	45.4
11/28/2023	61.7	50.2	62.4	58.3	62.0	41.5		42.8		39.8
11/29/2023	64.8	57.5	66.2	56.8	66.3	49.9		51.4	38.2	48.0
11/30/2023	64.8	53.2	65.9	53.3	64.4	39.3	38.7	36.9	42.8	45.7
Sum	61.7	52.7	62.8	55.1	62.4	41.2	29.6	41.6	39.9	41.9

* Availability < 50%

Equivalent Continuous Sound Level

MP01 NMTVAR001

December 2023



	Total Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
12/1/2023	58.2	44.7	59.2	51.0	57.6
12/2/2023	52.0	46.6	52.7	48.5	54.6
12/3/2023	58.2	50.9	59.2	51.4	59.5
12/4/2023	52.8	45.4	53.1	51.5	54.7
12/5/2023	54.0	44.0	54.9	48.7	54.5
12/6/2023	56.0	45.7	56.6	53.0	56.6
12/7/2023	58.3	51.1	59.4	50.7	59.6
12/8/2023	55.5	45.5	56.4	51.0	56.1
12/9/2023	57.5	44.1	*	60.1	*
12/10/2023	63.5	45.6	52.4	69.3	66.7
12/11/2023	56.6	42.8	57.5	52.4	56.4
12/12/2023	56.3	44.9	56.6	55.4	57.1
12/13/2023	57.6	45.1	58.7	48.8	57.1
12/14/2023	56.5	44.3	57.6	49.3	56.2
12/15/2023	54.4	45.4	54.0	55.5	56.3
12/16/2023	61.1	*	54.9	66.3	*
12/17/2023	54.9	47.4	51.6	59.1	58.4
12/18/2023	56.6	44.2	57.6	49.6	56.3
12/19/2023	57.7	44.7	58.5	53.5	57.6
12/20/2023	58.4	44.9	58.3	58.6	59.2
12/21/2023	61.8	43.9	61.9	61.5	62.1
12/22/2023	58.7	45.4	58.7	*	*
12/23/2023	*	44.2	*	*	*
12/24/2023	61.6	46.5	61.8	61.0	61.9
12/25/2023	51.6	44.2	51.8	50.7	53.7
12/26/2023	63.4	42.3	63.5	62.9	63.5
12/27/2023	59.1	46.4	57.3	61.4	61.1
12/28/2023	60.5	45.4	60.3	61.2	61.3
12/29/2023	67.4	50.0	68.6	54.7	66.1
12/30/2023	67.7	44.7	59.9	73.1	70.6
12/31/2023	63.2	53.9	63.1	63.5	64.8
Sum	60.5	46.9	59.7	62.2	61.8

	Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
12/1/2023	41.9		41.6	42.7	42.3
12/2/2023	38.5	37.6	39.7		44.0
12/3/2023	44.2	41.5	43.2	46.3	49.0
12/4/2023	44.7		41.8	48.6	46.6
12/5/2023	43.9		45.2		42.2
12/6/2023	47.0		46.3	48.7	47.8
12/7/2023	42.4	42.9	42.0	43.6	49.3
12/8/2023	43.7	36.2	44.5	39.4	45.1
12/9/2023	44.1		*	39.0	*
12/10/2023	46.5	42.3	45.6	48.3	50.5
12/11/2023	43.5		40.1	47.7	45.5
12/12/2023	42.9		44.1		41.1
12/13/2023	48.8		50.0		47.0
12/14/2023	42.7	35.9	42.1	44.2	45.4
12/15/2023	46.7		46.9	46.2	46.6
12/16/2023	40.2	*	41.5		*
12/17/2023	44.3	42.8	41.6	48.1	50.1
12/18/2023	41.0		42.3		39.3
12/19/2023	43.7		45.0		41.9
12/20/2023	45.6		46.9		43.9
12/21/2023	39.4		40.9		37.4
12/22/2023	51.2		51.2	*	*
12/23/2023	*		*	*	*
12/24/2023	47.3	42.9	45.4	50.4	51.5
12/25/2023	40.9	37.0	37.7	44.7	45.8
12/26/2023	37.9		39.2		36.2
12/27/2023	47.0	40.6	48.7		48.7
12/28/2023	47.3	38.2	41.9	52.3	50.8
12/29/2023	49.5	47.3	50.8		53.8
12/30/2023	42.9		38.5	47.5	45.2
12/31/2023	44.3		44.0	45.1	44.7
Sum	45.1	37.7	45.2	44.9	47.2

* Availability < 50%

Equivalent Continuous Sound Level
MP02 NMTVAR002
December 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
12/1/2023	54.0	43.7	54.9	48.2	54.3	41.6		41.6	41.4	41.6
12/2/2023	51.8	48.9	52.6	47.5	55.9	38.8	39.3	40.0		45.5
12/3/2023	51.9	53.5	52.1	51.2	59.5	45.1	41.2	44.3	47.0	49.2
12/4/2023	53.9	46.0	54.6	50.5	55.3	43.9		41.3	47.6	45.7
12/5/2023	53.6	43.9	54.6	47.3	54.0	42.5		43.7		40.7
12/6/2023	57.0	46.7	57.7	54.0	57.7	45.7		45.0	47.4	46.5
12/7/2023	56.1	49.4	57.0	51.1	57.9	42.2	41.7	41.5	43.8	48.4
12/8/2023	55.4	45.4	56.3	50.8	55.9	44.2	35.4	45.0	40.5	45.2
12/9/2023	52.5	46.8	*	48.4	*	44.1		*	39.3	*
12/10/2023	51.1	45.1	51.3	50.4	53.7	45.1	41.7	43.6	47.7	49.7
12/11/2023	55.0	43.0	55.9	50.2	55.0	42.2		38.9	46.3	44.2
12/12/2023	53.1	43.5	54.0	48.5	53.7	41.4		42.7		39.7
12/13/2023	54.5	44.4	55.5	48.5	54.9	47.1		48.3		45.3
12/14/2023	52.7	44.0	53.5	49.0	53.8	41.5	36.3	40.2	44.1	45.2
12/15/2023	54.5	45.6	55.2	50.9	55.4	44.6		45.1	42.4	44.0
12/16/2023	*	*	*	*	*	*	*	*	*	*
12/17/2023	*	*	*	*	*	*	*	*	*	*
12/18/2023	53.3	44.0	54.2	48.3	54.0	41.5		42.8		39.7
12/19/2023	53.5	44.2	54.4	48.2	54.2	41.8		43.1		40.1
12/20/2023	53.3	45.1	54.2	48.0	54.4	43.7		44.9		41.9
12/21/2023	52.2	43.0	53.1	48.6	53.2	39.3		40.8		37.3
12/22/2023	55.6	45.1	55.6	*	*	49.5		49.5	*	*
12/23/2023	*	43.3	*	*	*	*		*	*	*
12/24/2023	52.1	46.7	52.0	52.5	55.2	47.5	43.1	46.2	49.9	51.5
12/25/2023	49.1	53.4	49.1	49.2	60.0	41.6	36.5	37.4	45.9	46.1
12/26/2023	54.6	42.2	55.1	52.7	55.0	38.1		39.3		36.3
12/27/2023	52.7	45.5	54.0	47.3	54.3	42.3	40.9	44.0		47.4
12/28/2023	60.2	45.0	59.1	62.3	61.5	45.4	38.1	39.8	50.4	49.3
12/29/2023	59.8	48.3	58.1	62.6	61.9	48.3	46.0	49.6		52.6
12/30/2023	63.2	42.9	61.6	66.0	64.6	44.7		38.5	49.8	47.3
12/31/2023	64.6	59.6	63.5	66.9	68.3	42.6		41.6	44.6	43.5
Sum	56.7	49.0	56.4	57.4	58.9	44.2	37.0	44.1	44.3	46.4

* Availability < 50%

Equivalent Continuous Sound Level
MP03 NMTVAR003
December 2023

	Total Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
12/1/2023	56.7	57.1	56.8	56.6	63.4
12/2/2023	58.1	57.4	58.3	57.0	64.1
12/3/2023	61.1	65.2	58.6	64.7	71.2
12/4/2023	60.3	69.5	61.0	57.4	74.8
12/5/2023	58.3	58.6	58.1	59.0	65.0
12/6/2023	67.0	63.7	66.5	68.3	71.3
12/7/2023	65.7	70.0	65.6	65.9	75.7
12/8/2023	63.1	65.9	62.4	64.7	71.8
12/9/2023	62.8	64.1	*	62.1	*
12/10/2023	59.4	60.9	58.1	61.8	67.2
12/11/2023	60.8	62.7	60.5	61.5	68.7
12/12/2023	58.9	60.6	57.6	61.4	66.8
12/13/2023	65.0	62.0	65.3	63.9	69.2
12/14/2023	65.0	65.1	64.6	66.0	71.6
12/15/2023	67.6	66.2	68.8	56.2	72.5
12/16/2023	65.5	*	66.7	54.2	*
12/17/2023	60.0	55.2	61.1	52.5	62.5
12/18/2023	61.1	51.9	62.1	54.7	61.7
12/19/2023	52.7	52.5	52.6	53.1	59.0
12/20/2023	55.9	55.2	55.5	57.0	61.9
12/21/2023	59.3	58.7	59.8	57.6	65.4
12/22/2023	61.2	58.0	61.2	*	*
12/23/2023	*	58.6	*	*	*
12/24/2023	57.3	58.5	57.0	58.2	64.8
12/25/2023	58.3	58.7	58.5	57.5	65.7
12/26/2023	56.1	57.7	55.9	56.7	63.8
12/27/2023	58.8	58.5	59.0	58.2	65.2
12/28/2023	56.6	57.7	56.5	57.0	63.9
12/29/2023	57.7	56.3	57.8	57.2	63.1
12/30/2023	57.3	57.4	57.3	57.4	63.8
12/31/2023	57.2	58.3	56.6	58.5	64.6
Sum	61.8	62.6	61.9	61.2	68.8

Aircraft Sound [dB(A)]					
L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	
	28.7			34.2	
39.9	45.8	39.9	39.7	51.3	
37.4		35.6	40.5	38.9	
25.9		27.1		24.1	
41.3		42.5		39.5	
34.3			40.2	37.6	
37.6		38.9		35.8	
45.6		*		*	
30.4			36.4	33.6	
25.8		27.1		24.1	
40.9		42.2		39.2	
42.7	36.9	43.8	34.4	44.7	
32.9		34.1		31.1	
36.8	*	38.1		*	
36.5		37.7		34.9	
38.2		39.5		36.5	
27.0		28.5		25.0	
31.6		31.6	*	*	
*		*	*	*	
32.1		26.6	36.9	34.6	
35.8		37.4		33.8	
Sum	36.0	31.6	36.8	31.8	39.1

* Availability < 50%

Equivalent Continuous Sound Level
MP04 NMTVAR004
December 2023

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L _{DEN}
12/1/2023	63.1	51.2	64.2	53.4	62.7	40.2		40.8	37.5	39.5
12/2/2023	61.3	52.3	62.3	52.9	61.9	40.4	36.9	41.6		43.8
12/3/2023	57.4	57.8	57.6	56.5	64.0	40.5	40.0	38.7	43.4	46.8
12/4/2023	64.4	54.6	65.5	52.7	64.6	40.0		39.0	41.9	40.9
12/5/2023	64.3	51.4	65.5	51.6	63.7	42.5		43.7		40.7
12/6/2023	64.4	56.6	64.5	64.0	66.3	43.2		42.1	45.5	44.3
12/7/2023	62.8	60.5	63.8	56.4	67.0	36.6	39.7	33.7	40.6	45.7
12/8/2023	63.3	54.6	64.1	58.6	64.2	46.5	33.9	47.2	42.7	46.5
12/9/2023	*	*	*	*	*	*	*	*	*	*
12/10/2023	*	*	*	*	*	*	*	*	*	*
12/11/2023	*	*	*	*	*	*	*	*	*	*
12/12/2023	*	*	*	*	*	*	*	*	*	*
12/13/2023	*	*	*	*	*	*	*	*	*	*
12/14/2023	*	*	*	*	*	*	*	*	*	*
12/15/2023	60.0	55.3	60.2	59.2	63.1	39.6		40.8		38.0
12/16/2023	65.0	*	66.2	53.4	*	*	*	*	*	*
12/17/2023	*	*	*	*	*	*	*	*	*	*
12/18/2023	*	*	*	*	*	*	*	*	*	*
12/19/2023	*	*	*	*	*	*	*	*	*	*
12/20/2023	*	*	*	*	*	*	*	*	*	*
12/21/2023	58.6	*	*	52.2	*	38.4	*	*	*	*
12/22/2023	64.4	51.2	64.3	*	*	46.8		46.8	*	*
12/23/2023	*	52.0	*	*	*	*		*	*	*
12/24/2023	55.4	53.0	55.7	54.2	60.0	43.0	40.9	40.1	46.9	48.6
12/25/2023	59.1	49.5	59.4	58.1	60.3	41.1	36.1	41.0	41.5	44.7
12/26/2023	59.2	53.7	59.7	57.0	61.8	31.8		33.0		30.0
12/27/2023	57.9	58.7	59.1	52.4	64.9	38.6	37.4	40.3		43.9
12/28/2023	63.3	50.7	64.4	55.2	62.9	40.6		34.4	45.7	43.2
12/29/2023	62.2	50.9	63.4	54.1	62.1	46.5	43.5	47.8		50.2
12/30/2023	62.2	50.0	62.2	62.4	63.1	40.5		37.3	44.5	42.5
12/31/2023	64.7	71.4	58.4	69.9	77.1	36.8		36.7	37.1	37.0
Sum	62.5	60.6	63.1	60.2	67.3	41.7	35.6	41.9	41.0	44.3

* Availability < 50%

NMT Statistics
MP01 NMTVAR001
October 2023

	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
10/1/2023	14	12	37	12	100.0	85.7	99.9		52.5	50.5	48.2	33.4	80.9
10/2/2023	64	3	34	4	75.0	4.7	99.9		69.6	69.5	53.0	34.2	90.6
10/3/2023	43	8	35	8	100.0	18.6	99.9		56.0	55.5	46.7	31.5	79.7
10/4/2023	29	8	35	8	100.0	27.6	99.8		56.4	55.5	49.0	34.2	82.8
10/5/2023	58	11	32	11	100.0	19.0	99.9		57.1	56.4	48.9	32.7	80.5
10/6/2023	75	8	39	9	88.9	10.7	99.9		57.0	56.3	49.0	33.4	84.1
10/7/2023	9	7	26	7	100.0	77.8	99.9		52.7	49.5	49.8	33.2	88.0
10/8/2023	9	0	36	16	0.0	0.0	60.3	T W	51.7	51.7		32.4	
10/9/2023	69	8	35	9	88.9	11.6	99.9		57.1	56.5	47.8	28.9	82.3
10/10/2023	59	7	31	6	116.7	11.9	99.9		56.3	56.0	43.3	27.3	79.1
10/11/2023	40	4	29	4	100.0	10.0	99.9		56.2	55.2	49.4	31.7	86.5
10/12/2023	51	8	33	8	100.0	15.7	99.9		62.7	62.6	48.3	32.4	82.5
10/13/2023	29	7	39	5	140.0	24.1	99.9		55.8	55.1	47.8	33.7	83.7
10/14/2023	10	8	29	11	72.7	80.0	99.9		53.2	50.0	50.4	34.1	87.1
10/15/2023	13	12	35	12	100.0	92.3	99.9		52.4	49.5	49.3	32.9	81.5
10/16/2023	49	7	31	10	70.0	14.3	79.1	T W	56.2	56.0	43.7	32.3	75.7
10/17/2023	16	7	31	7	100.0	43.8	99.9		54.8	54.1	46.4	34.7	78.9
10/18/2023	27	4	33	5	80.0	14.8	99.9		55.5	55.2	43.9	30.0	79.8
10/19/2023	39	4	29	4	100.0	10.3	99.9		55.7	55.4	44.7	33.9	80.2
10/20/2023	22	9	37	9	100.0	40.9	99.9		59.0	58.7	46.3	33.6	83.9
10/21/2023	9	7	26	7	100.0	77.8	99.9		50.7	50.1	42.0	33.1	75.9
10/22/2023	3	2	29	1	200.0	66.7	99.9		50.8	50.6	37.4	31.5	74.3
10/23/2023	39	8	30	7	114.3	20.5	99.9		57.7	57.4	46.1	30.4	79.3
10/24/2023	41	4	31	4	100.0	9.8	99.9		55.5	55.2	44.6	30.5	79.7
10/25/2023	71	6	31	6	100.0	8.5	99.9		56.8	56.6	44.8	31.1	81.0
10/26/2023	43	4	23	4	100.0	9.3	99.9		55.6	55.5	40.8	29.4	77.6
10/27/2023	55	7	38	7	100.0	12.7	98.9	T	56.8	56.6	42.5	31.1	75.3
10/28/2023	11	7	27	12	58.3	63.6	84.8	T W	51.9	51.4	42.8	33.2	79.4
10/29/2023	5	4	30	4	100.0	80.0	99.8		50.8	50.2	42.1	29.0	76.4
10/30/2023	13	8	26	8	100.0	61.5	99.9		52.7	51.2	47.5	33.1	80.7
10/31/2023	5	4	23	4	100.0	80.0	99.9		51.2	50.1	44.6	26.7	79.1
Sum	1020	203	980	229	88.6	19.9	97.4	T W	58.3	58.0	47.1	26.7	90.6

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
MP02 NMTVAR002
October 2023

	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
10/1/2023	16	12	37	12	100.0	75.0	99.9		50.7	47.9	47.5	33.2	81.1
10/2/2023	22	3	34	4	75.0	13.6	99.9		56.0	56.0	38.4	32.7	72.6
10/3/2023	23	8	35	8	100.0	34.8	99.9		51.5	50.4	45.1	31.0	78.4
10/4/2023	29	8	35	8	100.0	27.6	99.9		52.9	51.7	46.9	34.5	81.7
10/5/2023	25	11	32	11	100.0	44.0	99.9		52.4	50.6	47.6	32.1	79.9
10/6/2023	18	8	39	9	88.9	44.4	99.9		52.1	50.6	46.9	33.4	80.7
10/7/2023	14	0	26	7	0.0	0.0	99.9		51.3	51.3		33.8	
10/8/2023	11	0	36	16	0.0	0.0	60.3	T W	49.3	49.3		32.9	
10/9/2023	12	8	35	9	88.9	66.7	99.9		51.0	49.3	46.0	28.0	80.4
10/10/2023	11	7	31	6	116.7	63.6	99.9		50.6	50.0	41.9	26.8	76.1
10/11/2023	14	4	29	4	100.0	28.6	99.9		52.3	50.3	47.8	29.1	84.6
10/12/2023	35	8	33	8	100.0	22.9	99.9		52.7	51.7	46.1	34.1	80.8
10/13/2023	15	7	39	5	140.0	46.7	99.9		51.7	50.3	46.1	33.4	81.2
10/14/2023	11	10	29	11	90.9	90.9	99.9		51.8	47.9	49.5	35.0	87.9
10/15/2023	14	12	35	12	100.0	85.7	99.9		50.6	47.3	47.9	31.9	80.0
10/16/2023	38	8	31	10	80.0	21.1	79.1	T W	51.7	51.1	43.1	33.4	75.2
10/17/2023	11	7	31	7	100.0	63.6	99.9		50.9	49.6	44.7	33.8	77.7
10/18/2023	8	5	33	5	100.0	62.5	99.9		50.5	49.7	42.9	30.5	79.0
10/19/2023	13	4	29	4	100.0	30.8	99.9		51.4	50.6	43.9	35.7	83.4
10/20/2023	21	9	37	9	100.0	42.9	99.9		51.6	50.6	44.5	33.2	80.7
10/21/2023	13	7	26	7	100.0	53.8	99.9		49.0	48.0	42.3	34.8	80.5
10/22/2023	3	2	29	1	200.0	66.7	99.9		47.3	46.8	37.1	31.4	75.7
10/23/2023	44	9	30	7	128.6	20.5	99.9		51.7	50.7	44.7	30.4	77.8
10/24/2023	41	4	31	4	100.0	9.8	99.9		51.6	51.0	42.6	30.3	78.8
10/25/2023	31	7	31	6	116.7	22.6	99.9		51.7	51.0	43.7	30.9	79.0
10/26/2023	36	4	23	4	100.0	11.1	99.9		51.8	51.6	39.2	30.1	75.5
10/27/2023	42	7	38	7	100.0	16.7	99.9		51.7	51.4	40.5	32.0	74.9
10/28/2023	21	7	27	12	58.3	33.3	85.2	T W	50.5	49.7	43.0	35.4	81.3
10/29/2023	12	4	30	4	100.0	33.3	99.9		48.3	47.5	40.5	30.9	74.8
10/30/2023	12	8	26	8	100.0	66.7	99.9		51.5	50.2	45.9	33.7	78.2
10/31/2023	18	4	23	4	100.0	22.2	99.9		54.7	54.3	44.0	25.3	78.4
Sum	634	202	980	229	88.2	31.9	97.5	T W	51.7	50.7	44.8	25.3	87.9

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics

MP03 NMTVAR003

October 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		Leq [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
10/1/2023	0	0	37	12	0.0		0.0	T	*	*	*		
10/2/2023	19	1	34	4	25.0	5.3	54.6	T	98.8	98.7	78.6	51.0	115.2
10/3/2023	77	2	35	8	25.0	2.6	99.9		57.4	57.4	28.8	50.1	66.7
10/4/2023	47	2	35	8	25.0	4.3	99.9		57.8	57.8	31.6	53.0	66.6
10/5/2023	175	7	32	11	63.6	4.0	99.9		58.2	58.1	39.2	44.5	73.8
10/6/2023	46	4	39	9	44.4	8.7	99.9		57.0	57.0	34.0	46.3	67.2
10/7/2023	102	0	26	7	0.0	0.0	99.9		59.2	59.2		53.9	
10/8/2023	38	0	36	16	0.0	0.0	60.3	T W	59.0	59.0		54.0	
10/9/2023	45	1	35	9	11.1	2.2	99.9		58.8	58.8	27.0	53.6	65.7
10/10/2023	16	0	31	6	0.0	0.0	99.9		57.9	57.9		52.5	
10/11/2023	38	1	29	4	25.0	2.6	99.9		57.7	57.7	27.8	52.7	65.2
10/12/2023	169	2	33	8	25.0	1.2	99.9		60.5	60.5	32.2	55.3	64.7
10/13/2023	90	1	39	5	20.0	1.1	99.9		59.5	59.5	29.7	53.1	73.7
10/14/2023	43	1	29	11	9.1	2.3	99.9		57.9	57.9	28.5	48.6	64.5
10/15/2023	19	2	35	12	16.7	10.5	99.9		57.7	57.7	29.4	47.7	65.5
10/16/2023	53	0	31	10	0.0	0.0	79.1	T W	58.2	58.2		49.2	
10/17/2023	43	0	31	7	0.0	0.0	99.9		57.2	57.2		53.1	
10/18/2023	47	2	33	5	40.0	4.3	99.9		57.0	57.0	30.8	47.2	67.1
10/19/2023	101	2	29	4	50.0	2.0	99.9		57.6	57.5	33.4	51.4	70.8
10/20/2023	7	1	37	9	11.1	14.3	99.9		55.3	55.3	26.5	51.3	65.0
10/21/2023	0	0	26	7	0.0		99.9		54.5	54.5		50.2	
10/22/2023	1	0	29	1	0.0	0.0	99.9		55.7	55.7		50.7	
10/23/2023	1	0	30	7	0.0	0.0	99.9		55.7	55.7		51.4	
10/24/2023	9	0	31	4	0.0	0.0	99.9		56.6	56.6		51.6	
10/25/2023	5	0	31	6	0.0	0.0	99.9		56.9	56.9		53.0	
10/26/2023	2	0	23	4	0.0	0.0	99.9		55.7	55.7		51.5	
10/27/2023	4	0	38	7	0.0	0.0	99.9		55.6	55.6		52.3	
10/28/2023	6	0	27	12	0.0	0.0	85.2	T W	55.9	55.9		51.6	
10/29/2023	1	0	30	4	0.0	0.0	99.9		55.8	55.8		51.3	
10/30/2023	3	0	26	8	0.0	0.0	99.8		56.6	56.6		51.8	
10/31/2023	49	1	23	4	25.0	2.0	99.8		56.9	56.9	22.7	52.0	63.2
Sum	1256	30	980	229	13.1	2.4	92.8	T W	81.5	81.5	61.4	44.5	115.2

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
MP04 NMTVAR004
October 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
10/1/2023	20	7	37	12	58.3	35.0	99.9		55.4	55.2	41.9	37.6	77.0
10/2/2023	185	2	34	4	50.0	1.1	99.9		68.4	67.9	59.4	37.2	97.5
10/3/2023	41	5	35	8	62.5	12.2	99.9		57.5	57.4	39.8	34.5	74.2
10/4/2023	105	7	35	8	87.5	6.7	99.9		59.5	59.5	41.1	37.5	79.4
10/5/2023	147	6	32	11	54.5	4.1	99.9		61.3	61.2	41.1	36.5	77.6
10/6/2023	120	8	39	9	88.9	6.7	99.9		60.9	60.9	43.1	36.1	80.7
10/7/2023	13	0	26	7	0.0	0.0	99.9		55.3	55.3		37.0	
10/8/2023	27	0	36	16	0.0	0.0	60.3	T W	54.8	54.8		38.3	
10/9/2023	106	3	35	9	33.3	2.8	99.9		60.3	60.2	39.7	33.2	76.3
10/10/2023	163	7	31	6	116.7	4.3	99.9		60.2	60.1	41.6	32.1	82.6
10/11/2023	24	3	29	4	75.0	12.5	99.9		57.3	57.1	44.3	35.3	80.9
10/12/2023	9	2	33	8	25.0	22.2	99.9		56.7	56.7	34.7	36.5	70.7
10/13/2023	13	6	39	5	120.0	46.2	99.9		56.9	56.7	42.3	37.1	76.4
10/14/2023	10	4	29	11	36.4	40.0	99.9		54.9	54.4	45.1	37.2	81.5
10/15/2023	11	8	35	12	66.7	72.7	99.9		54.0	53.8	40.8	36.8	73.9
10/16/2023	109	4	31	10	40.0	3.7	79.1	T W	61.0	61.0	37.8	36.5	69.8
10/17/2023	47	3	31	7	42.9	6.4	99.9		58.4	58.3	38.6	35.9	74.0
10/18/2023	28	4	33	5	80.0	14.3	99.9		57.3	57.2	40.8	34.9	75.8
10/19/2023	78	2	29	4	50.0	2.6	99.9		58.1	58.1	35.6	40.5	72.9
10/20/2023	66	5	37	9	55.6	7.6	99.9		58.8	58.7	40.7	37.4	77.0
10/21/2023	11	5	26	7	71.4	45.5	99.8		55.5	55.4	38.3	39.3	72.5
10/22/2023	7	1	29	1	100.0	14.3	99.8		53.8	53.7	32.1	37.5	69.9
10/23/2023	239	5	30	7	71.4	2.1	99.8		63.1	63.0	45.3	33.8	81.3
10/24/2023	112	3	31	4	75.0	2.7	99.7		60.4	60.4	39.5	33.3	75.7
10/25/2023	187	4	31	6	66.7	2.1	99.9		61.7	61.7	41.0	34.2	74.1
10/26/2023	231	4	23	4	100.0	1.7	99.7		63.2	63.2	37.1	34.5	74.7
10/27/2023	187	7	38	7	100.0	3.7	98.6	T	61.4	61.4	39.8	36.2	73.1
10/28/2023	14	4	27	12	33.3	28.6	85.2	T W	54.6	54.5	37.4	38.5	71.1
10/29/2023	5	2	30	4	50.0	40.0	99.0		53.6	53.5	34.1	36.1	70.1
10/30/2023	117	1	26	8	12.5	0.9	99.3		60.8	60.8	35.4	36.5	74.7
10/31/2023	17	3	23	4	75.0	17.6	91.3	T	56.4	56.3	39.8	32.7	76.0
Sum	2449	125	980	229	54.6	5.1	97.1	T W	60.0	59.9	46.0	32.1	97.5

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics
 * Availability < 50%

NMT Statistics

MP01 NMTVAR001

November 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
11/1/2023	8	3	22	6	50.0	37.5	93.6	T W	51.1	51.0	37.0	32.8	73.2
11/2/2023	0	0	22	3	0.0		35.1	T	*	*	*	29.9	
11/3/2023	49	5	29	5	100.0	10.2	95.3	T	56.4	56.0	45.7	32.2	81.6
11/4/2023	11	0	4	0		0.0	99.9		55.5	55.5		30.9	
11/5/2023	9	1	4	1	100.0	11.1	99.9		51.3	51.2	36.1	31.8	74.8
11/6/2023	3	2	23	6	33.3	66.7	79.0	T W	50.6	50.2	40.4	30.8	78.5
11/7/2023	46	2	17	2	100.0	4.3	99.1		55.9	55.6	43.3	32.6	81.0
11/8/2023	83	9	30	12	75.0	10.8	79.1	T W	58.5	58.3	43.8	28.5	73.5
11/9/2023	45	0	0	0		0.0	93.6	T W	55.6	55.6		32.6	
11/10/2023	61	9	34	9	100.0	14.8	99.9		56.9	56.4	47.2	34.0	80.6
11/11/2023	6	4	15	4	100.0	66.7	99.3		50.8	49.9	43.5	31.3	83.1
11/12/2023	7	6	21	8	75.0	85.7	70.8	T W	49.4	48.8	40.9	34.6	73.7
11/13/2023	36	2	20	2	100.0	5.6	99.9		57.2	57.1	40.2	29.9	79.9
11/14/2023	26	2	19	3	66.7	7.7	99.9		54.5	54.3	40.4	33.7	80.4
11/15/2023	39	3	24	8	37.5	7.7	77.0	T W	55.3	55.2	37.6	32.4	71.6
11/16/2023	53	5	21	5	100.0	9.4	99.9		55.9	55.9	37.7	34.1	72.7
11/17/2023	35	3	22	3	100.0	8.6	99.9		69.8	69.8	42.0	32.5	79.4
11/18/2023	0	0	13	6	0.0		24.9	T W	*	*	*	33.9	
11/19/2023	6	6	15	6	100.0	100.0	39.5	T W	*	*	*	35.7	74.3
11/20/2023	11	6	23	6	100.0	54.5	99.9		53.0	52.6	42.6	34.0	79.6
11/21/2023	36	1	17	1	100.0	2.8	99.9		55.1	54.9	41.1	34.4	82.0
11/22/2023	52	4	22	4	100.0	7.7	97.8	T W	55.9	55.5	45.1	31.9	82.1
11/23/2023	24	5	23	5	100.0	20.8	99.9		54.9	54.5	44.4	31.4	79.6
11/24/2023	0	0	27	9	0.0		0.0	T	*	*	*		
11/25/2023	0	0	13	4	0.0		0.0	T	*	*	*		
11/26/2023	4	3	17	8	37.5	75.0	14.5	T W	*	*	*	37.5	74.1
11/27/2023	12	6	24	9	66.7	50.0	72.5	T W	51.8	50.8	45.0	35.6	80.1
11/28/2023	7	2	16	2	100.0	28.6	99.9		53.1	52.7	42.8	33.7	80.3
11/29/2023	24	6	23	9	66.7	25.0	87.4	T W	54.6	54.4	40.1	35.6	73.9
11/30/2023	34	4	23	4	100.0	11.8	99.9		55.0	54.5	45.2	34.8	81.2
Sum	727	99	583	150	66.0	13.6	78.6	T W	58.4	58.3	42.5	28.5	83.1

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
MP02 NMTVAR002
November 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
11/1/2023	7	3	22	6	50.0	42.9	93.7	T W	50.1	49.8	37.4	32.1	74.7
11/2/2023	11	3	22	3	100.0	27.3	99.9		51.4	50.9	42.0	30.0	76.6
11/3/2023	45	5	29	5	100.0	11.1	99.9		53.7	53.1	44.4	32.5	78.5
11/4/2023	30	0	4	0		0.0	99.9		53.0	53.0		31.7	
11/5/2023	34	1	4	1	100.0	2.9	99.9		51.1	51.0	34.7	31.2	74.2
11/6/2023	17	2	23	6	33.3	11.8	79.1	T W	50.8	50.5	38.8	31.5	75.1
11/7/2023	35	2	17	2	100.0	5.7	99.9		52.0	51.5	42.3	33.5	80.3
11/8/2023	37	9	30	12	75.0	24.3	79.1	T W	52.4	51.8	43.9	29.4	75.1
11/9/2023	3	0	0	0		0.0	93.7	T W	51.3	51.3		32.1	
11/10/2023	40	8	34	9	88.9	20.0	99.9		53.5	52.8	45.4	35.0	78.5
11/11/2023	14	4	15	4	100.0	28.6	99.9		54.0	53.7	42.2	31.0	80.7
11/12/2023	13	6	21	8	75.0	46.2	70.7	T W	49.9	49.2	41.9	33.7	76.3
11/13/2023	47	2	20	2	100.0	4.3	99.9		52.6	52.4	39.3	30.6	77.6
11/14/2023	3	2	19	3	66.7	66.7	99.9		51.6	51.4	38.6	34.1	78.2
11/15/2023	8	3	24	8	37.5	37.5	77.0	T W	51.0	50.8	37.4	33.2	71.4
11/16/2023	17	5	21	5	100.0	29.4	99.9		51.0	50.8	38.3	33.5	71.6
11/17/2023	18	3	22	3	100.0	16.7	99.9		55.5	55.4	40.8	31.4	78.4
11/18/2023	0	0	13	6	0.0		25.0	T W	*	*	*	33.8	
11/19/2023	26	6	15	6	100.0	23.1	39.5	T W	*	*	*	37.5	75.2
11/20/2023	21	6	23	6	100.0	28.6	99.9		50.9	50.0	43.7	35.3	78.3
11/21/2023	16	1	17	1	100.0	6.3	99.9		53.3	53.1	39.2	35.1	80.3
11/22/2023	16	4	22	4	100.0	25.0	97.8	T W	51.9	51.2	43.3	32.6	81.0
11/23/2023	18	5	23	5	100.0	27.8	99.9		51.4	50.8	42.9	32.5	78.3
11/24/2023	18	8	27	9	88.9	44.4	99.9		51.5	51.1	40.9	34.8	75.0
11/25/2023	25	3	13	4	75.0	12.0	83.2	T W	51.6	51.0	42.4	31.2	78.0
11/26/2023	6	3	17	8	37.5	50.0	16.7	T W	*	*	*	39.4	77.9
11/27/2023	9	6	24	9	66.7	66.7	72.8	T W	50.7	49.7	43.9	37.2	78.0
11/28/2023	49	2	16	2	100.0	4.1	99.9		53.2	52.9	40.8	35.5	78.6
11/29/2023	26	7	23	9	77.8	26.9	87.4	T W	52.3	51.9	41.4	35.9	74.4
11/30/2023	18	4	23	4	100.0	22.2	99.9		51.8	51.3	42.8	35.9	78.6
Sum	627	113	583	150	75.3	18.0	87.1	T W	52.2	51.8	41.6	29.4	81.0

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics

MP03 NMTVAR003

November 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
11/1/2023	24	0	22	6	0.0	0.0	93.5	T W	56.5	56.5		52.5	
11/2/2023	226	2	22	3	66.7	0.9	99.8		60.0	60.0	28.3	45.3	65.1
11/3/2023	88	2	29	5	40.0	2.3	99.9		62.6	62.6	33.4	51.9	66.6
11/4/2023	179	0	4	0		0.0	99.8		64.3	64.3		47.8	
11/5/2023	140	0	4	1	0.0	0.0	99.6		59.2	59.2		48.4	
11/6/2023	0	0	23	6	0.0		0.0	T	*	*	*		
11/7/2023	0	0	17	2	0.0		0.0	T	*	*	*		
11/8/2023	0	0	30	12	0.0		0.0	T	*	*	*		
11/9/2023	0	0	0	0			0.0	T	*	*	*		
11/10/2023	0	0	34	9	0.0		0.0	T	*	*	*		
11/11/2023	0	0	15	4	0.0		0.0	T	*	*	*		
11/12/2023	0	0	21	8	0.0		0.0	T	*	*	*		
11/13/2023	0	0	20	2	0.0		0.0	T	*	*	*		
11/14/2023	0	0	19	3	0.0		0.0	T	*	*	*		
11/15/2023	0	0	24	8	0.0		0.0	T	*	*	*		
11/16/2023	0	0	21	5	0.0		0.0	T	*	*	*		
11/17/2023	0	0	22	3	0.0		0.0	T	*	*	*		
11/18/2023	0	0	13	6	0.0		0.0	T	*	*	*		
11/19/2023	0	0	15	6	0.0		0.0	T	*	*	*		
11/20/2023	0	0	23	6	0.0		0.0	T	*	*	*		
11/21/2023	0	0	17	1	0.0		0.0	T	*	*	*		
11/22/2023	0	0	22	4	0.0		0.0	T	*	*	*		
11/23/2023	0	0	23	5	0.0		0.0	T	*	*	*		
11/24/2023	0	0	27	9	0.0		0.0	T	*	*	*		
11/25/2023	0	0	13	4	0.0		0.0	T	*	*	*		
11/26/2023	0	0	17	8	0.0		0.0	T	*	*	*		
11/27/2023	0	0	24	9	0.0		0.0	T	*	*	*		
11/28/2023	0	0	16	2	0.0		0.0	T	*	*	*		
11/29/2023	0	0	23	9	0.0		0.0	T	*	*	*		
11/30/2023	6	0	23	4	0.0	0.0	41.8	T	*	*	*	50.2	
Sum	663	4	583	150	2.7	0.6	17.8	T W	*	*	*	45.3	66.6

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
MP04 NMTVAR004
November 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
11/1/2023	27	1	22	6	16.7	3.7	93.7	T W	56.6	56.6	31.8	37.3	68.3
11/2/2023	102	2	22	3	66.7	2.0	99.9		58.6	58.6	35.0	33.8	73.5
11/3/2023	53	3	29	5	60.0	5.7	99.9		59.1	59.1	38.5	36.5	74.4
11/4/2023	164	0	4	0		0.0	99.9		61.6	61.6		37.5	
11/5/2023	32	1	4	1	100.0	3.1	99.9		55.1	55.0	35.2	38.3	74.3
11/6/2023	122	1	23	6	16.7	0.8	79.1	T W	59.2	59.2	36.2	38.1	72.3
11/7/2023	145	2	17	2	100.0	1.4	99.9		60.4	60.4	37.7	35.1	75.3
11/8/2023	271	8	30	12	66.7	3.0	79.1	T W	63.0	62.9	47.0	35.6	79.0
11/9/2023	155	0	0	0		0.0	93.6	T W	60.6	60.6		37.0	
11/10/2023	224	3	34	9	33.3	1.3	99.9		64.7	64.7	38.0	37.2	78.9
11/11/2023	8	4	15	4	100.0	50.0	99.9		55.2	55.1	38.9	38.0	75.3
11/12/2023	35	3	21	8	37.5	8.6	70.8	T W	56.8	56.7	37.3	39.8	70.6
11/13/2023	142	2	20	2	100.0	1.4	99.9		60.9	60.8	36.7	35.9	73.4
11/14/2023	65	2	19	3	66.7	3.1	99.9		58.4	58.4	37.4	37.9	74.5
11/15/2023	77	3	24	8	37.5	3.9	77.0	T W	59.0	59.0	37.3	39.6	68.6
11/16/2023	80	4	21	5	80.0	5.0	99.9		58.4	58.3	36.9	39.2	70.3
11/17/2023	23	2	22	3	66.7	8.7	99.9		59.4	59.4	35.0	37.0	73.6
11/18/2023	5	0	13	6	0.0	0.0	25.0	T W	*	*	*	41.8	
11/19/2023	145	6	15	6	100.0	4.1	39.5	T W	*	*	*	42.8	78.1
11/20/2023	45	5	23	6	83.3	11.1	99.9		58.3	58.2	39.7	39.9	73.0
11/21/2023	63	1	17	1	100.0	1.6	99.9		58.7	58.7	37.1	39.4	75.8
11/22/2023	53	1	22	4	25.0	1.9	97.8	T W	58.6	58.5	37.8	37.5	76.7
11/23/2023	103	5	23	5	100.0	4.9	99.9		60.6	60.6	40.6	37.7	74.6
11/24/2023	19	6	27	9	66.7	31.6	99.9		58.0	57.9	38.9	40.3	69.5
11/25/2023	81	2	13	4	50.0	2.5	83.2	T W	58.5	58.5	36.3	37.8	73.0
11/26/2023	0	0	17	8	0.0		0.0	T	*	*	*		
11/27/2023	61	4	24	9	44.4	6.6	72.8	T W	57.2	57.2	39.5	40.8	73.2
11/28/2023	122	2	16	2	100.0	1.6	99.9		60.1	60.1	39.8	40.6	76.6
11/29/2023	229	5	23	9	55.6	2.2	87.4	T W	63.2	63.1	47.8	42.2	82.5
11/30/2023	197	3	23	4	75.0	1.5	99.9		63.2	63.1	39.1	40.6	73.9
Sum	2848	81	583	150	54.0	2.8	86.6	T W	60.1	60.1	39.6	33.8	82.5

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics

MP01 NMTVAR001

December 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
12/1/2023	39	5	22	5	100.0	12.8	99.9		56.5	56.4	40.1	34.9	74.5
12/2/2023	9	4	10	4	100.0	44.4	93.4	T W	50.7	50.5	38.2	34.0	73.4
12/3/2023	28	12	25	12	100.0	42.9	99.4		56.8	56.6	43.5	35.1	74.2
12/4/2023	9	5	26	5	100.0	55.6	99.6		51.4	50.7	42.9	34.9	80.1
12/5/2023	6	2	17	2	100.0	33.3	99.9		52.5	52.1	42.2	34.9	79.6
12/6/2023	33	8	27	9	88.9	24.2	99.9		54.4	53.9	45.3	33.0	78.8
12/7/2023	37	7	20	6	116.7	18.9	99.4		57.0	56.8	42.6	36.2	75.5
12/8/2023	38	7	22	7	100.0	18.4	99.9		54.0	53.7	42.3	35.5	77.0
12/9/2023	7	4	15	5	80.0	57.1	68.7	T W	55.1	54.9	41.5	34.5	75.2
12/10/2023	15	6	27	6	100.0	40.0	99.9		61.8	61.7	45.5	32.3	79.3
12/11/2023	43	3	19	2	150.0	7.0	99.9		55.0	54.8	41.7	31.7	79.7
12/12/2023	25	1	20	1	100.0	4.0	99.9		54.7	54.5	41.1	34.3	80.8
12/13/2023	33	8	29	8	100.0	24.2	99.9		55.9	55.3	47.0	35.0	80.1
12/14/2023	43	8	25	8	100.0	18.6	99.9		54.9	54.7	41.4	34.4	77.8
12/15/2023	7	4	28	4	100.0	57.1	98.1	T	52.9	52.1	45.0	33.7	79.2
12/16/2023	14	2	21	2	100.0	14.3	83.2	T W	60.3	60.2	39.3	39.7	77.8
12/17/2023	10	8	26	8	100.0	80.0	95.2	T W	53.7	53.2	43.9	35.2	77.8
12/18/2023	49	5	25	6	83.3	10.2	99.4		54.9	54.8	39.3	34.3	73.6
12/19/2023	47	2	23	2	100.0	4.3	99.6		56.1	55.9	41.9	35.2	81.0
12/20/2023	45	2	21	2	100.0	4.4	99.9		56.7	56.5	43.9	37.2	81.8
12/21/2023	20	2	23	6	33.3	10.0	89.5	T W	59.8	59.8	37.4	33.2	73.5
12/22/2023	22	9	26	9	100.0	40.9	72.6	T W	56.4	55.6	48.8	35.0	84.2
12/23/2023	0	0	24	11	0.0		45.8	T W	*	*	*	34.6	
12/24/2023	29	16	22	9	177.8	55.2	97.8	T W	59.8	59.6	46.3	34.1	79.3
12/25/2023	6	4	17	7	57.1	66.7	79.1	T W	49.7	49.3	39.7	33.0	72.7
12/26/2023	19	3	17	3	100.0	15.8	98.8	T	61.6	61.6	36.2	31.9	72.5
12/27/2023	8	5	24	8	62.5	62.5	81.1	T W	57.3	57.0	45.6	32.6	89.0
12/28/2023	25	6	30	6	100.0	24.0	99.9		58.9	58.6	45.8	32.8	81.9
12/29/2023	37	9	34	10	90.0	24.3	97.8	T W	65.6	65.5	48.9	33.6	83.4
12/30/2023	39	3	16	3	100.0	7.7	99.9		65.9	65.9	41.1	34.2	81.7
12/31/2023	38	3	17	3	100.0	7.9	99.9		61.7	61.6	42.5	31.7	78.2
Sum	780	163	698	179	91.1	20.9	93.5	T W	58.7	58.6	43.7	31.7	89.0

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
 MP02 NMTVAR002
 December 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
12/1/2023	35	5	22	5	100.0	14.3	99.9		52.4	52.2	39.8	35.7	74.0
12/2/2023	28	4	10	4	100.0	14.3	93.7	T W	51.0	50.7	39.0	34.3	74.3
12/3/2023	75	12	25	12	100.0	16.0	99.9		52.5	51.8	44.2	33.8	76.6
12/4/2023	23	5	26	5	100.0	21.7	99.9		52.5	52.1	42.1	36.1	77.2
12/5/2023	31	2	17	2	100.0	6.5	99.9		52.1	51.7	40.7	36.1	78.5
12/6/2023	55	9	27	9	100.0	16.4	99.9		55.5	55.2	44.0	34.2	78.2
12/7/2023	55	7	20	6	116.7	12.7	99.9		54.8	54.6	42.1	36.8	75.1
12/8/2023	59	7	22	7	100.0	11.9	99.9		53.9	53.5	42.7	36.2	78.5
12/9/2023	20	4	15	5	80.0	20.0	68.7	T W	50.7	50.2	41.5	37.0	76.0
12/10/2023	13	6	27	6	100.0	46.2	99.9		49.8	48.4	44.2	35.3	77.3
12/11/2023	52	3	19	2	150.0	5.8	99.9		53.4	53.2	40.4	35.3	78.8
12/12/2023	21	1	20	1	100.0	4.8	99.9		51.6	51.3	39.7	37.3	79.7
12/13/2023	33	8	29	8	100.0	24.2	99.9		53.0	52.2	45.3	36.6	79.5
12/14/2023	19	8	25	8	100.0	42.1	99.9		51.2	50.8	40.4	35.7	74.2
12/15/2023	27	4	28	4	100.0	14.8	99.9		53.0	52.5	42.8	34.5	78.9
12/16/2023	0	0	21	2	0.0		0.0	T	*	*	*		
12/17/2023	0	0	26	8	0.0		0.0	T	*	*	*		
12/18/2023	29	6	25	6	100.0	20.7	99.4		51.8	51.5	39.7	36.0	74.0
12/19/2023	25	2	23	2	100.0	8.0	99.8		52.0	51.7	40.1	36.4	79.4
12/20/2023	16	2	21	2	100.0	12.5	99.9		51.9	51.4	41.9	37.6	79.9
12/21/2023	12	2	23	6	33.3	16.7	89.5	T W	50.5	50.3	37.3	34.9	73.5
12/22/2023	28	10	26	9	111.1	35.7	72.8	T W	53.4	52.3	47.1	37.5	81.5
12/23/2023	0	0	24	11	0.0		45.8	T W	*	*	*	35.2	
12/24/2023	23	16	22	9	177.8	69.6	97.8	T W	50.9	49.0	46.4	34.8	79.7
12/25/2023	8	4	17	7	57.1	50.0	79.1	T W	51.5	51.1	40.1	34.2	74.9
12/26/2023	19	3	17	3	100.0	15.8	99.9		53.0	52.9	36.3	32.5	73.2
12/27/2023	22	5	24	8	62.5	22.7	81.2	T W	51.2	50.7	41.9	33.9	76.4
12/28/2023	36	6	30	6	100.0	16.7	99.9		58.5	58.3	44.0	34.6	79.6
12/29/2023	57	10	34	10	100.0	17.5	97.8	T W	58.1	57.7	47.7	35.2	81.9
12/30/2023	35	3	16	3	100.0	8.6	99.9		61.5	61.4	42.9	35.0	87.8
12/31/2023	80	3	17	3	100.0	3.8	99.9		63.5	63.5	40.8	32.8	75.8
Sum	936	157	698	179	87.7	16.8	87.9	T W	55.2	55.0	42.7	32.5	87.8

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics

MP03 NMTVAR003

December 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
12/1/2023	95	0	22	5	0.0	0.0	99.9		56.9	56.9		48.5	
12/2/2023	174	1	10	4	25.0	0.6	93.7	T W	57.8	57.8	24.2	50.1	63.8
12/3/2023	473	7	25	12	58.3	1.5	99.9		62.9	62.9	42.8	49.5	78.9
12/4/2023	450	3	26	5	60.0	0.7	99.9		65.7	65.7	35.7	47.2	68.2
12/5/2023	203	1	17	2	50.0	0.5	99.9		58.4	58.4	24.1	48.9	66.2
12/6/2023	281	5	27	9	55.6	1.8	98.9	T	66.2	66.2	39.5	49.7	74.8
12/7/2023	231	2	20	6	33.3	0.9	96.6	T	67.6	67.6	32.6	47.7	66.7
12/8/2023	411	4	22	7	57.1	1.0	99.7		64.2	64.2	35.8	45.8	72.2
12/9/2023	351	3	15	5	60.0	0.9	68.5	T W	63.4	63.4	43.0	51.4	81.0
12/10/2023	174	2	27	6	33.3	1.1	99.9		60.0	60.0	28.6	50.1	64.5
12/11/2023	256	1	19	2	50.0	0.4	99.9		61.5	61.5	24.1	49.4	63.4
12/12/2023	170	0	20	1	0.0	0.0	99.8		59.5	59.5		47.4	
12/13/2023	414	5	29	8	62.5	1.2	99.8		64.2	64.2	39.2	47.7	75.5
12/14/2023	508	5	25	8	62.5	1.0	99.5		65.0	65.0	41.5	49.1	77.0
12/15/2023	187	1	28	4	25.0	0.5	97.8	T	67.1	67.1	31.1	45.9	71.4
12/16/2023	183	2	21	2	100.0	1.1	82.2	T W	65.0	65.0	35.9	46.5	77.5
12/17/2023	298	3	26	8	37.5	1.0	95.8	T W	59.0	59.0	34.9	41.7	70.5
12/18/2023	341	5	25	6	83.3	1.5	99.9		59.6	59.6	36.5	44.6	70.7
12/19/2023	2	0	23	2	0.0	0.0	99.9		52.7	52.7		48.7	
12/20/2023	17	0	21	2	0.0	0.0	99.9		55.7	55.7		46.0	
12/21/2023	99	1	23	6	16.7	1.0	89.5	T W	59.1	59.1	25.0	54.4	67.8
12/22/2023	78	1	26	9	11.1	1.3	72.8	T W	60.1	60.1	29.2	54.0	69.0
12/23/2023	55	0	24	11	0.0	0.0	45.8	T W	*	*	*	54.1	
12/24/2023	46	2	22	9	22.2	4.3	97.8	T W	57.7	57.7	30.3	53.6	66.6
12/25/2023	39	0	17	7	0.0	0.0	79.1	T W	58.5	58.5		53.1	
12/26/2023	5	0	17	3	0.0	0.0	99.9		56.7	56.7		52.6	
12/27/2023	147	1	24	8	12.5	0.7	81.1	T W	58.7	58.7	33.8	54.3	69.3
12/28/2023	2	0	30	6	0.0	0.0	99.9		57.0	57.0		52.9	
12/29/2023	13	0	34	10	0.0	0.0	97.8	T W	57.3	57.3		53.5	
12/30/2023	2	0	16	3	0.0	0.0	99.9		57.4	57.4		54.0	
12/31/2023	11	0	17	3	0.0	0.0	99.9		57.6	57.6		52.9	
Sum	5716	55	698	179	30.7	1.0	93.4	T W	62.0	62.0	34.9	41.7	81.0

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

NMT Statistics
MP04 NMTVAR004
December 2023



	Noise Events		Flights		N1/N2	N1/N3	Availability		L _{eq} [dB(A)]			L _{min}	L _{max}
	Total	Correlated	Total	Relevant	[%]	[%]	[%]	Reason	Total	Ambient	Aircraft	[dB(A)]	[dB(A)]
12/1/2023	145	5	22	5	100.0	3.4	99.9		61.5	61.5	38.4	39.5	69.9
12/2/2023	54	3	10	4	75.0	5.6	93.6	T W	59.7	59.6	39.4	40.4	72.6
12/3/2023	106	9	25	12	75.0	8.5	99.5		57.5	57.4	40.3	39.2	70.8
12/4/2023	173	4	26	5	80.0	2.3	99.8		62.8	62.8	38.2	40.9	73.8
12/5/2023	211	2	17	2	100.0	0.9	99.9		62.7	62.6	40.7	39.2	81.7
12/6/2023	413	8	27	9	88.9	1.9	99.7		63.0	62.9	41.5	38.4	75.1
12/7/2023	366	5	20	6	83.3	1.4	97.8	T	62.2	62.2	37.8	44.7	72.2
12/8/2023	212	6	22	7	85.7	2.8	99.8		61.8	61.7	44.8	40.4	78.1
12/9/2023	0	0	15	5	0.0		0.0	T	*	*	*		
12/10/2023	0	0	27	6	0.0		0.0	T	*	*	*		
12/11/2023	0	0	19	2	0.0		0.0	T	*	*	*		
12/12/2023	0	0	20	1	0.0		0.0	T	*	*	*		
12/13/2023	0	0	29	8	0.0		0.0	T	*	*	*		
12/14/2023	0	0	25	8	0.0		0.0	T	*	*	*		
12/15/2023	80	3	28	4	75.0	3.8	95.2	T	59.0	59.0	38.0	40.1	77.9
12/16/2023	398	0	21	2	0.0	0.0	83.2	T W	65.6	65.6		45.8	
12/17/2023	0	0	26	8	0.0		0.0	T	*	*	*		
12/18/2023	0	0	25	6	0.0		0.0	T	*	*	*		
12/19/2023	0	0	23	2	0.0		0.0	T	*	*	*		
12/20/2023	0	0	21	2	0.0		0.0	T	*	*	*		
12/21/2023	17	1	23	6	16.7	5.9	38.6	T W	*	*	*	45.0	72.7
12/22/2023	96	5	26	9	55.6	5.2	72.8	T W	62.1	62.0	44.4	41.7	78.0
12/23/2023	31	0	24	11	0.0	0.0	45.8	T W	*	*	*	41.7	
12/24/2023	28	6	22	9	66.7	21.4	97.8	T W	54.7	54.4	42.4	38.4	77.0
12/25/2023	28	4	17	7	57.1	14.3	79.1	T W	57.0	57.0	39.6	39.2	75.6
12/26/2023	7	1	17	3	33.3	14.3	99.9		58.0	58.0	30.0	38.7	69.8
12/27/2023	85	3	24	8	37.5	3.5	81.2	T W	58.2	58.1	38.2	40.4	71.1
12/28/2023	146	4	30	6	66.7	2.7	99.9		61.7	61.7	38.8	39.1	72.9
12/29/2023	141	9	34	10	90.0	6.4	97.8	T W	60.6	60.5	45.7	39.7	79.7
12/30/2023	74	3	16	3	100.0	4.1	99.9		60.6	60.6	38.7	40.7	77.4
12/31/2023	27	2	17	3	66.7	7.4	99.9		68.2	68.2	35.0	38.3	71.2
Sum	2838	83	698	179	46.4	2.9	60.7	T W	61.9	61.9	40.4	38.3	81.7

N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics

* Availability < 50%

Reference Level Exceedances
October 2023



ATA/ATD	Flight Number	A/D	Runway	Aircraft Type	MP01	MP02	MP03	MP04
					LASmax	LASmax	LASmax	LASmax
10/2/2023 11:12:00 AM	W64548	A	27	A320	90.6 (+5.6)	72.6	115.2 (+30.2)	97.5 (+12.5)
10/7/2023 10:25:00 AM	BUC601	D	09	MD82	88.0 (+3.0)			
10/11/2023 9:56:00 AM	BUC845	D	09	MD82	86.5 (+1.5)	84.6	65.2	80.9
10/14/2023 8:44:00 AM	BUC605	D	09	MD82	87.1 (+2.1)	87.9 (+2.9)	64.5	81.5

Reference Level Exceedances
November 2023

ATA/ATD	Flight Number	A/D	Runway	Aircraft Type	MP01	MP02	MP03	MP04
					LASmax	LASmax	LASmax	LASmax

Reference Level Exceedances
 December 2023

ATA/ATD	Flight Number	A/D	Runway	Aircraft Type	MP01	MP02	MP03	MP04
					LASmax	LASmax	LASmax	LASmax
12/27/2023 11:57:00 AM	W64510	A	27	A320	89.0 (+4.0)	70.6	69.3	
12/30/2023 9:31:00 PM	TK1070	D	09	B738	81.7	87.8 (+2.8)		77.4