

ТРИМЕСЕЧЕН ДОКЛАД ЗА ПЕРИОДА ОКТОМВРИ-ДЕКЕМВРИ 2019 ГОДИНА

РЕЗУЛТАТИ

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

Настоящата информация е изготвена в съответствие с чл. 32 ал.1 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 Бургас, летище Бургас

2. Лице за контакти – Георги Чипилски, директор на Летище Бургас
тел. 056/870 202, факс: 056/870 203

3. Типове въздухоплавателни средства, опериращи на летище Бургас

В Приложение №1 към настоящия доклад „Справка за броя на изпълнените самолетодвижения от/до летище Бургас по редовни линии и сезонни чартърни линии за периода октомври-декември 2019 год.“ са дадени типа и модификацията на въздухоплавателните средства (ВС), изпълняващи редовни полети по разписание и сезонни чартърни линии от/до летище Бургас.

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 $L_{Aeq} 60$ dB (A) на летище Бургас за 2009/2010 година. 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 инсталирана 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.

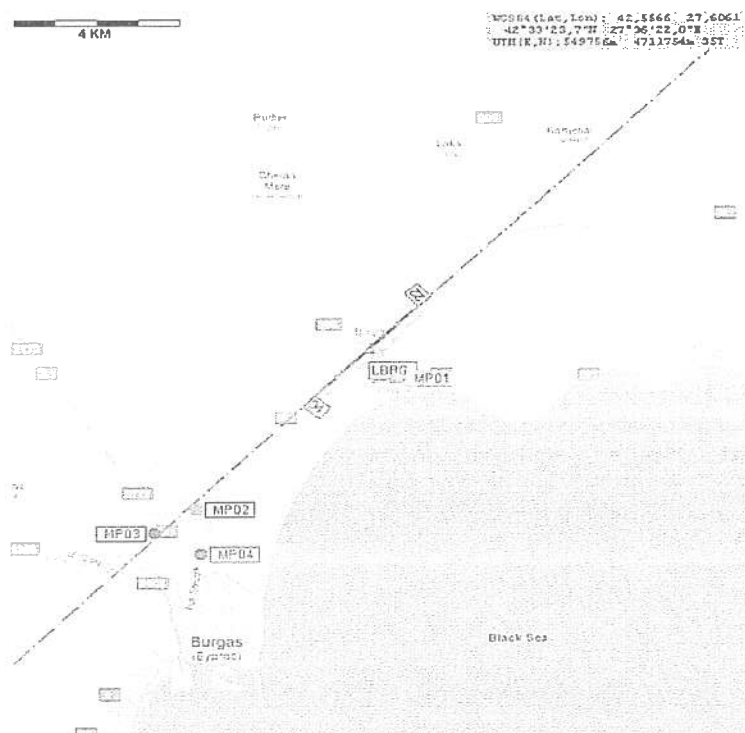
Конкретните локации за разполагане на терминалните станции са както следва:

станция **MP01** - Летище Бургас, кв. Сарафово, ОУ"Христо Ботев" - покрив на парова централа

станция **MP02** - ж.к. „Изгрев”, 6 ОДЗ „Ран Босилек” – покрив на сградата на детска градина

станция **MP03** - ж.к. „Славейков”, 26 ЦДГ „Райна Княгиня” - покрив на сградата на детска градина

станция **MP04** - ж.к. „Зорница”, 2 ОДЗ „Звезда-Зорница” - покрив на сградата на детска градина



Фиг. 1 Местоположение на терминалните станции

Акустичното състояние на райони, разположени в близост до летище Бургас

Акустичното състояние за 4-то тримесечие на 2019 г. за районите, разположени в близост до летище Бургас, където са инсталирани и стационарните терминали за мониторинг на шума е представено в табличен вид - Приложение № 2 съответно за м. октомври, м. ноември, м. декември.

Табличните резултати предоставят информация за разглежданите три месеца и дават разпределението на еквивалентните денонощни нива на шума за 24 часов непрекъснат период на измерване L_{eq} (24h). Посочени са регистрираните еквивалентни нива на шум над наблюдавания район – фонов шум (L_{Aeq} Residual sound). Представен е и максималният шум, възникнал от едно шумово събитие L_{max} - от всеки един терминал за съответния период. Допълнително е представен и дневния брой на регистрираните шумови събития от всеки един терминал за съответния период.

В Приложения № 3 в табличен вид са представени денонощните еквивалентни 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 L_{DEN} correlated и кумулативния шум L_{DEN} 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 2019 г.	Ноември 2019 г.	Декември 2019 г.
MP01	336	155	152
MP02	115	72	74
MP03	115	72	74
MP04	115	72	74

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

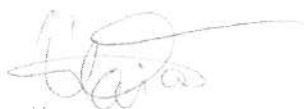
В Приложения 4, 5 и 6 са показани най-шумните корелирани шумови събития, регистрирани от терминали MP01, MP02, MP03 и MP04 за месеците октомври, ноември, декември.

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.

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

Предоставянето на информация по чл.32, ал. 1, т. 7 от „Наредба №54 от 13 декември 2010г. 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. Тази информация ще бъде изпратена към доклада след като ни бъде предоставена от ДП-РВД София.

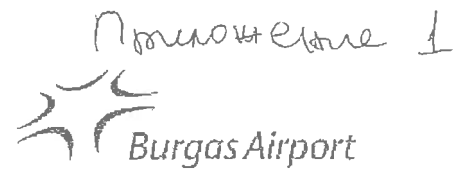
Изготвил:



М. Христова

Експерт Интегрирани системи за управление,
отдел „Управление на съответствието и правни дейности“

Traffic by Aircraft Type
October, 2019



AC-Type	AC-Type Long Name	Movements per Month			Sum
		October	November	December	
A124	Antonov An-124 Ruslan	2	4	2	8
A21N	Airbus A321neo	6	0	0	6
A306	Airbus A300-600	0	0	6	6
A319	Airbus A319	0	0	6	6
A320	Airbus A320	98	35	29	162
A321	Airbus A321	44	26	20	90
AN12	Antonov An-12	16	8	5	29
AN30	Antonov An-30	0	2	0	2
AN72	Antonov An-72/An-74	0	5	1	6
B350	Beech King Air 350	0	0	2	2
B734	Boeing 737-400	6	0	0	6
B738	Boeing 737-800	89	24	52	165
B742	Boeing 747-200	0	2	0	2
B744	Boeing 747-400	15	1	4	20
B748	Boeing 747-8	0	2	0	2
B788	Boeing 787-8 Dreamliner	2	0	0	2
BE20	Beech King Air 200	0	2	4	6
C10T	Cessna P210 (turbine)	2	0	0	2
C182	Cessna 182 Skylane	0	2	0	2
C25A	Cessna 525A Citation CJ2	0	0	2	2
C25C	Cessna 525C Citation CJ4	2	0	0	2
C295	CASA C-295 Persuader	2	0	0	2
C560	Cessna 560 Citation 5	0	2	4	6
CL30	Bombardier BD-100 Challenger 300	2	0	0	2
CL60	Bombardier CL-600 Challenger 600	0	8	2	10
CRJ2	Bombardier CL-600 Regional Jet CRJ-200	2	0	0	2
DA40	Diamond DA-40	0	2	0	2
DA42	Diamond DA-42 Twin Star	2	0	0	2
DA62	Diamond DA-62	0	2	0	2
E135	Embraer ERJ-135/-140	0	0	2	2
E190	Embraer ERJ 190-100	0	0	2	2
F2TH	Dassault Falcon 2000	0	2	0	2
GLF4	Gulfstream 4	2	0	0	2
H25B	BAe 125-700/-800	0	2	0	2
H60	Sikorsky HH-60	0	4	0	4
IL62	Ilyushin Il-62	0	2	0	2
IL76	Ilyushin Il-76	2	4	4	10
LJ35	Bombardier Learjet 35/36	2	0	0	2
LJ45	Bombardier Learjet 45	0	2	0	2
LJ60	Bombardier Learjet 60	0	4	2	6
MD82	McDonnell Douglas MD-82	25	0	0	25
MI8	Mil Mi-8/-9/-17/-19/-171/-172	0	2	0	2
P180	Piaggio P-180 Avanti	2	0	0	2
P46T	Piper PA-46-500TP Malibu Meridian	2	0	2	4
PA46	Piper PA-46-310P Malibu	6	4	0	10
PAY2	Piper PA-31T-620 Cheyenne 2	0	2	0	2
SB20	Saab 2000	0	0	2	2
SU95	Sukhoi Superjet 100-95	2	0	0	2
SW4	Fairchild Swearingen Metroliner/Merlin 4	4	0	0	4
Sum		337	155	153	645



Equivalent Continuous Sound Level

MP01 NMTBOJ001

October, 2019

	Total Sound [dB(A)]				Aircraft Sound [dB(A)]				
	L _{eq,Day}	L _{eq,Night/L_N}	L _b	L _E	L _{eq,Day}	L _{eq,Night/L_N}	L _b	L _E	L _{b,EN}
10/1/2019	75.8	52.8	77.3	58.8	50.3	42.9	51.7	40.8	51.6
10/2/2019	62.6	47.9	63.1	60.6	41.6		42.4	37.5	40.7
10/3/2019	59.1	50.6	58.9	59.7	38.4		39.6		36.6
10/4/2019	61.4	55.5	61.5	61.0	44.7	33.5	44.2	46.0	46.2
10/5/2019	56.8	65.9	57.8	51.1	36.3	37.0	37.6		42.6
10/6/2019	57.1	46.3	58.1	50.7	31.0	39.8	32.2		45.2
10/7/2019	59.1	54.0	58.8	60.0	35.0	35.2	36.3		41.2
10/8/2019	63.3	62.8	64.5	51.7	44.1	39.2	45.4		46.5
10/9/2019	58.1	51.4	58.9	53.2	40.0		41.3		38.3
10/10/2019	63.4	51.7	64.7	51.7	47.2	39.1	48.6		48.0
10/11/2019	62.0	54.6	63.1	55.2	41.4	37.7	42.7		44.7
10/12/2019	57.7	53.3	58.8	49.7	39.4	36.0	40.7		42.8
10/13/2019	56.2	48.8	56.7	54.3	42.2	36.3	43.5		44.0
10/14/2019	56.1	47.8	57.1	49.9		32.1			37.3
10/15/2019	57.9	40.9	58.9	49.6	32.5		33.8		30.7
10/16/2019	58.2	40.1	58.5	57.1	37.7		39.0		36.0
10/17/2019	57.2	45.9	58.2	49.7	36.0		37.2		34.2
10/18/2019	55.2	45.7	56.0	51.1	39.4	36.9	40.7		43.5
10/19/2019	55.6	43.2	56.2	53.1	38.5	29.0	39.8		38.7
10/20/2019	53.9	49.4	54.5	51.4	35.3		36.6		33.6
10/21/2019	56.1	48.3	57.0	51.2	28.9		30.1		27.1
10/22/2019	60.7	44.3	61.9	49.1	38.9		40.1		37.1
10/23/2019	56.9	45.2	57.8	52.4	39.6	30.3	40.9		39.9
10/24/2019	56.5	41.0	57.6	47.8	29.3		30.6		27.6
10/25/2019	53.5	44.9	53.0	54.8					
10/26/2019	54.9	47.0	55.3	53.8		34.1			39.3
10/27/2019	55.1	46.2	55.0	55.2		32.3			37.9
10/28/2019	58.6	47.3	59.8	47.3		27.6			32.8
10/29/2019	56.5	43.4	57.6	46.6					
10/30/2019	59.5	49.2	60.0	57.5	41.8		40.8	43.8	42.7
10/31/2019	70.5	63.6	70.1	72.1	34.6		35.3		32.6
Sum	63.2	55.1	64.1	57.7	40.5	34.3	41.4	34.3	42.4

* Availability < 50%



Equivalent Continuous Sound Level

MPO2 NMTBOJ002

October, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L ₉₅	L _{eq} Day	L _{eq} Night/L _N	L _D	L _E	L ₉₅
10/1/2019	*	*	*	*	*	*	*	*	*	*
10/2/2019	*	*	*	47.2	*	*	*	*	42.5	*
10/3/2019	54.6	37.9	55.7	45.5	53.5					
10/4/2019	56.9	47.7	57.9	50.4	57.5	41.5		39.8	44.4	42.8
10/5/2019	49.0	47.8	49.5	47.3	54.2	42.8		42.2	44.2	43.6
10/6/2019	58.8	38.6	60.0	44.6	57.3	38.6		39.8		36.8
10/7/2019	51.1	39.8	52.0	45.6	51.2	48.6		49.9		46.9
10/8/2019	52.8	40.2	53.8	45.3	52.4					
10/9/2019	56.2	41.6	57.4	45.4	55.3					
10/10/2019	56.4	40.6	57.7	45.3	55.3	40.6		41.9		38.7
10/11/2019	55.2	39.5	56.3	47.4	54.2	42.2		41.6	43.6	42.9
10/12/2019	50.7	40.4	51.7	44.4	50.9	40.6		41.9		38.9
10/13/2019	50.4	39.7	50.4	50.5	51.6	43.7		34.9	49.3	46.7
10/14/2019	55.9	39.4	57.0	46.4	54.8	36.2		40.7	42.2	39.5
10/15/2019	56.0	37.9	57.1	47.8	54.9	41.9			44.2	43.0
10/16/2019	56.9	38.8	58.0	47.2	55.7	37.6			43.6	40.8
10/17/2019	58.8	37.9	59.9	50.4	57.6	43.1		33.2	48.8	46.1
10/18/2019	54.2	46.0	55.3	44.8	55.0		44.9			50.1
10/19/2019	51.3	47.2	52.3	45.3	54.4	36.3		37.6		51.9
10/20/2019	47.4	37.1	47.8	46.2	48.4	40.4		38.9	43.1	41.7
10/21/2019	58.5	40.5	59.7	43.8	57.1					
10/22/2019	56.3	38.5	57.4	47.3	55.1	38.0			44.0	41.2
10/23/2019	54.0	40.2	55.1	44.5	53.3					
10/24/2019	53.2	39.7	54.3	45.5	52.6	33.4		34.7		31.7
10/25/2019	52.9	39.8	54.0	45.4	52.4	38.0		39.3		36.3
10/26/2019	55.6	39.3	56.2	59.1	55.4	48.4		45.5	52.4	50.4
10/27/2019	48.4	41.3	49.3	43.6	50.0					
10/28/2019	52.7	40.9	53.9	28.9	52.2					
10/29/2019	29.0	28.4	29.3	27.7	34.8					
10/30/2019	27.4	28.4	27.4	27.3	34.6					
10/31/2019	32.2	27.7	32.6	28.6	35.2					
Sum	54.6	41.6	55.6	46.7	54.1	40.5	34.5	39.5	42.6	43.7

* Availability < 50%



Equivalent Continuous Sound Level

MP03 NMTBOJ003

October, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq,Day}	L _{eq,Night} /L _N	L _p	L _s	L _{DEN}	L _{eq,Day}	L _{eq,Night} /L _N	L _p	L _s	L _{DEN}
10/1/2019	69.1	48.4	70.4	61.5	67.8	50.3	38.6	51.2	47.2	50.7
10/2/2019	68.1	46.3	69.2	59.1	66.8	56.6		57.6	50.5	55.4
10/3/2019	54.1	44.2	54.9	50.0	54.7					
10/4/2019	64.3	48.7	65.2	59.7	63.8	44.2		43.5	45.8	45.0
10/5/2019	53.6	49.9	54.4	49.5	56.9	43.6		42.9	45.3	44.6
10/6/2019	54.3	46.8	55.4	47.4	55.6	36.4		37.6		34.6
10/7/2019	59.0	48.5	57.5	61.8	61.2	44.9		46.1		43.2
10/8/2019	56.3	53.3	57.2	51.3	60.1					
10/9/2019	51.6	45.6	52.3	48.1	53.8					
10/10/2019	57.0	45.1	58.2	48.2	56.7	41.0		42.4		39.2
10/11/2019	56.2	46.6	57.2	50.1	56.7	42.0		39.9	45.1	43.5
10/12/2019	57.6	45.3	58.7	47.4	57.1	43.1		44.4		41.4
10/13/2019	55.0	44.2	55.8	50.5	55.3	41.4			47.4	44.6
10/14/2019	54.5	44.5	55.3	51.0	55.2	37.9			43.9	41.1
10/15/2019	57.5	43.7	58.2	54.2	57.4	42.9		42.1	44.7	43.8
10/16/2019	55.8	44.0	56.8	50.1	55.7	38.8			44.8	42.1
10/17/2019	54.0	43.8	54.6	51.4	54.7	43.6		35.5	49.1	46.5
10/18/2019	57.4	48.0	58.4	51.3	58.0		45.5			50.7
10/19/2019	52.7	49.0	53.4	49.7	56.2	38.3		39.5		52.9
10/20/2019	54.3	42.4	55.0	50.9	54.5	41.8		40.3	44.5	43.1
10/21/2019	54.7	43.8	55.3	51.7	55.2					
10/22/2019	57.5	43.1	57.7	57.0	58.0	38.9			44.9	42.1
10/23/2019	54.0	44.2	54.8	49.8	54.6					
10/24/2019	53.3	44.1	54.1	48.7	54.0	23.1		24.4		21.3
10/25/2019	53.2	43.3	54.0	49.3	53.8	37.6		38.8		35.8
10/26/2019	57.4	43.3	58.0	54.8	57.4	48.5		44.2	53.1	50.8
10/27/2019	50.3	44.6	50.9	47.7	52.8					
10/28/2019	51.3	45.4	52.1	47.3	53.5		26.9			32.1
10/29/2019	54.8	43.3	55.8	47.1	54.6					
10/30/2019	55.0	45.0	54.6	56.0	56.6	49.5		41.0	55.1	52.5
10/31/2019	57.0	46.7	56.7	58.4	58.0	47.9		48.6		46.0
Sum	59.3	45.4	60.1	54.5	59.1	45.1	35.1	45.0	45.5	46.5

* Availability < 50%



Equivalent Continuous Sound Level

MP04 NMTBOJ004

October, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _p	L _e	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _p	L _s	L _{DEN}
10/1/2019	69.1	73.5	70.6	52.5	79.4	44.3	45.8	45.8	25.5	42.3
10/2/2019	55.4	44.1	56.2	50.6	55.5	28.3	29.4	29.4	20.3	26.9
10/3/2019	57.2	43.6	58.0	52.5	56.9	14.4			20.5	17.7
10/4/2019	57.3	44.3	58.3	51.3	57.0	22.1	22.7	22.7	19.6	21.5
10/5/2019	59.4	52.4	57.0	63.0	62.8	26.0	27.3	27.3		24.4
10/6/2019	58.6	66.3	59.8	48.5	71.7	30.1	31.3	31.3		28.3
10/7/2019	55.8	46.3	56.6	51.0	56.4					
10/8/2019	57.4	56.1	57.9	55.6	62.6	20.0	21.2	21.2		18.2
10/9/2019	60.1	46.5	61.2	51.1	59.4	35.4	36.6	36.6		33.6
10/10/2019	55.3	46.0	55.9	53.0	56.4	29.7	31.0	31.0		27.8
10/11/2019	56.2	47.8	57.2	51.1	57.3	22.5	23.9	23.9		20.6
10/12/2019	55.4	48.3	56.0	52.9	57.2	21.7	23.0	23.0		20.0
10/13/2019	53.7	54.6	54.5	49.5	60.6	20.4	21.6	21.6		18.6
10/14/2019	55.1	44.9	55.8	51.8	55.7					
10/15/2019	56.1	44.2	56.8	52.2	56.2	24.9	26.1	26.1		23.1
10/16/2019	64.1	54.2	63.3	65.9	66.0					
10/17/2019	60.5	60.5	61.1	57.3	66.7	22.6	21.9	21.9	24.2	23.4
10/18/2019	56.7	46.8	57.4	53.9	57.5		17.6			
10/19/2019	54.3	46.5	55.1	50.8	55.7	13.2	14.4	14.4		18.2
10/20/2019	58.9	48.7	60.0	50.4	59.1	31.9	33.1	33.1		30.1
10/21/2019	57.6	48.3	58.6	51.5	58.2					
10/22/2019	61.5	56.9	62.5	53.9	64.2	19.7			25.7	22.9
10/23/2019	63.6	59.8	64.7	54.9	66.8					
10/24/2019	60.2	53.9	61.0	55.3	62.1					
10/25/2019	55.6	47.0	56.4	50.8	56.6	16.6	17.9	17.9		14.9
10/26/2019	56.3	53.7	56.9	53.7	60.6	22.5	17.0	17.0	27.4	25.0
10/27/2019	69.8	63.3	67.3	73.5	73.3					
10/28/2019	58.8	69.8	58.4	59.8	75.1					
10/29/2019	61.5	50.4	60.6	63.4	63.2	21.2	22.5	22.5		19.5
10/30/2019	55.8	49.6	56.7	49.7	57.7	27.5			33.5	30.8
10/31/2019	55.0	47.9	55.5	50.1	56.5	15.6	16.3	16.3		13.7
Sum	60.9	61.5	60.9	60.7	67.7	30.3	31.7	31.4	21.3	28.9

* Availability < 50%



Equivalent Continuous Sound Level
MP01 NMTBOJ001
November, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _b	L _E	L _{BN}	L _{eq} Day	L _{eq} Night/L _N	L _b	L _E	L _{BN}
11/1/2019	66.0	72.2	67.5	46.7	76.5	44.8				48.8
11/2/2019	52.5	45.6	52.7	51.6	54.6					
11/3/2019	59.8	44.1	61.0	48.3	58.7				41.0	39.4
11/4/2019	60.9	50.5	61.1	60.5	62.4			32.9		29.9
11/5/2019	59.1	54.1	60.2	50.5	61.6			36.9		33.2
11/6/2019	62.0	45.7	63.5	51.0	60.7			36.7		48.3
11/7/2019	59.8	52.1	61.1	51.2	61.0			42.5		
11/8/2019	55.7	46.8	56.3	53.1	56.9					35.3
11/9/2019	53.7	44.0	54.4	50.6	54.5			38.4		35.3
11/10/2019	53.9	42.7	54.2	53.1	54.8					
11/11/2019	57.1	41.6	58.2	48.0	56.1					
11/12/2019	58.3	43.3	59.4	51.0	57.5			40.8		37.8
11/13/2019	57.6	47.0	58.5	51.7	57.8			32.4		29.4
11/14/2019	56.8	40.2	57.7	51.9	56.1			40.4		37.4
11/15/2019	59.4	49.4	60.5	51.4	59.6					
11/16/2019	53.8	44.4	53.2	55.3	55.7					
11/17/2019	57.1	45.4	58.0	52.0	57.1					
11/18/2019	58.4	53.8	59.4	50.7	61.1		30.0	31.8		36.1
11/19/2019	57.6	47.1	58.6	50.8	57.7			43.1		40.1
11/20/2019	62.7	59.6	63.2	60.5	66.7		32.8	35.3		39.0
11/21/2019	67.0	61.8	66.6	*	*			43.1	*	*
11/22/2019	*	*	71.3	*	*		*		*	*
11/23/2019	60.4	66.0	61.2	56.3	71.3			30.2		27.3
11/24/2019	65.4	63.5	66.2	61.1	70.1			36.1	45.5	43.2
11/25/2019	*	61.9	*	*	*		*	*	*	*
11/26/2019	64.1	71.8	*	59.0	*		*	*	*	*
11/27/2019	56.4	56.8	57.1	53.3	63.0					
11/28/2019	60.2	40.1	61.3	48.9	58.8					
11/29/2019	56.5	57.7	57.2	53.2	63.7		46.8	30.9	38.7	52.1
11/30/2019	64.5	60.8	53.7	71.9	69.9			35.5	47.1	43.0
Sum	61.4	61.0	62.0	58.6	67.3	35.9	34.8	36.1	35.2	41.5

* Availability < 50%



Equivalent Continuous Sound Level
 MP02 NIMTBOJ002
 November, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _p	L _s	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _p	L _s	L _{DEN}
11/1/2019	31.5	28.1	32.2	29.2	34.9					
11/2/2019	27.1	28.5	27.0	27.4	34.7					
11/3/2019	27.1	27.3	27.0	27.5	33.7					
11/4/2019	29.1	27.6	29.2	28.8	35.1					
11/5/2019	29.5	29.1	29.9	27.7	35.4					
11/6/2019	27.6	30.7	28.0	26.6	37.0					
11/7/2019	26.5	27.7	26.4	26.7	34.2					
11/8/2019	26.0	27.7	25.6	27.2	33.8					
11/9/2019	26.0	27.3	25.1	28.0	33.6					
11/10/2019	28.3	27.1	24.0	33.0	34.6					
11/11/2019	26.3	27.5	26.2	26.5	33.7					
11/12/2019	25.4	27.0	25.1	26.3	33.1					
11/13/2019	26.6	25.9	26.5	26.8	32.5					
11/14/2019	27.4	27.6	27.0	28.2	34.0					
11/15/2019	26.8	27.4	26.8	26.9	33.7					
11/16/2019	27.0	27.9	26.7	27.7	34.1					
11/17/2019	27.9	28.1	27.8	28.2	34.4					
11/18/2019	*	*	*	*	*	*	*	*	*	*
11/19/2019	51.5	*	*	46.5	*	*	*	*	*	*
11/20/2019	51.9	49.6	52.8	46.7	56.2					
11/21/2019	54.5	40.6	54.6	*	*	*	*	*	*	*
11/22/2019	*	*	51.4	*	*	*	*	*	*	*
11/23/2019	52.7	44.9	53.2	50.8	54.3					
11/24/2019	54.4	48.5	55.1	50.6	56.6					
11/25/2019	*	41.4	*	*	*	*	*	*	*	*
11/26/2019	49.1	40.8	*	49.0	*					
11/27/2019	52.1	52.1	49.5	55.9	59.0					
11/28/2019	53.4	40.6	54.3	49.2	53.3					
11/29/2019	52.3	46.9	51.8	53.4	55.5					
11/30/2019	53.4	44.3	51.8	57.3	55.7					
Sum	48.5	42.7	48.7	47.5	54.1					

* Availability < 50%



Equivalent Continuous Sound Level

MP03 NIMTBOJ003

November, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/N _N	L _q	L _E	L _{DEN}	L _{eq} Day	L _{eq} Night/N _N	L _q	L _E	L _{DEN}
11/1/2019	54.7	58.6	55.9	49.0	63.1	43.0		42.7	43.7	44.2
11/2/2019	54.7	44.6	55.2	52.9	55.6	50.9		52.2		49.2
11/3/2019	50.9	45.1	51.4	48.4	53.3					
11/4/2019	56.6	48.6	56.7	56.4	58.9					
11/5/2019	57.8	46.4	58.9	47.4	57.5	56.6		57.8		54.8
11/6/2019	54.5	45.5	55.8	47.9	55.3					
11/7/2019	55.0	64.1	56.3	47.4	69.9	37.9	64.1	39.4		69.8
11/8/2019	53.8	44.9	54.6	49.6	54.7	39.4		40.6		37.6
11/9/2019	52.1	46.3	53.0	47.4	54.3	35.6		36.8		33.8
11/10/2019	50.9	45.0	51.3	49.4	53.4					
11/11/2019	57.0	45.5	53.9	61.1	59.6	43.6	40.2	42.0	46.4	48.2
11/12/2019	64.8	50.4	65.0	64.1	65.2	37.6		38.8		35.8
11/13/2019	62.1	64.1	63.3	48.3	69.9	27.8		29.1		26.0
11/14/2019	59.1	43.1	60.2	49.0	58.0					
11/15/2019	53.3	43.7	54.0	50.1	54.1	42.0		39.2	45.8	43.9
11/16/2019	56.1	45.8	57.2	46.7	56.1					
11/17/2019	62.4	59.1	62.1	63.2	66.6					
11/18/2019	61.5	45.8	62.6	49.7	60.4	40.3		39.1	42.7	41.4
11/19/2019	51.7	42.3	52.4	48.6	52.6	30.4		31.6		28.6
11/20/2019	71.5	70.2	72.7	57.9	76.5	35.1	44.1	36.4		49.4
11/21/2019	72.6	65.1	72.2	*	*	*		*	*	*
11/22/2019	*	*	75.2	*	*	*	*	*	*	*
11/23/2019	52.0	48.9	52.4	50.7	56.0	43.3		39.7	47.6	45.5
11/24/2019	68.4	63.5	67.1	71.0	72.2	41.4		28.5	47.2	44.5
11/25/2019	*	64.8	*	*	*	*		*	*	*
11/26/2019	57.8	68.9	*	46.2	*	39.5		*	*	*
11/27/2019	51.4	43.4	52.2	47.3	52.7					
11/28/2019	52.7	43.9	53.4	49.5	53.8					
11/29/2019	53.9	55.4	54.9	48.6	61.3		55.0			60.2
11/30/2019	53.9	55.6	53.1	56.4	61.9	32.1		32.9		30.2
Sum	64.3	61.0	65.4	60.2	68.1	44.2	50.1	45.1	39.4	55.7

* Availability < 50%



Equivalent Continuous Sound Level
 MP04 NMTBOJ004
 November, 2019

	Total Sound [dB(A)]				Aircraft Sound [dB(A)]			
	L _{eq Day}	L _{eq Night} /L _N	L _b	L _E	L _b	L _E	L _{Day}	L _{Night}
11/1/2019	57.3	52.6	58.6	49.2				
11/2/2019	59.3	47.5	60.5	48.7	23.2	26.5	25.3	
11/3/2019	65.3	51.1	66.2	59.2				
11/4/2019	74.5	67.7	75.5	72.0				
11/5/2019	63.4	60.4	57.9	68.4	26.2		23.2	
11/6/2019	60.5	71.2	62.0	48.8				
11/7/2019	55.9	48.7	57.1	50.7	13.3		19.5	
11/8/2019	55.9	48.6	56.6	52.4	16.4		13.4	
11/9/2019	52.7	48.7	53.4	49.3				
11/10/2019	60.7	47.4	61.5	55.7				
11/11/2019	56.5	50.3	57.4	50.8				
11/12/2019	58.4	48.7	59.1	54.7	38.0		35.0	
11/13/2019	57.2	53.7	58.3	48.7	33.2		30.2	
11/14/2019	56.9	45.5	57.8	51.5				
11/15/2019	57.5	47.4	57.8	56.5	33.6		30.6	
11/16/2019	56.6	50.2	57.8	47.5				
11/17/2019	57.9	52.9	58.7	53.4				
11/18/2019	57.7	45.6	58.8	48.9	30.9		27.9	
11/19/2019	57.2	47.5	58.2	50.8	40.4		37.3	
11/20/2019	66.0	63.7	66.7	63.2	37.6		44.8	
11/21/2019	69.4	63.1	69.1	*	41.2	*	*	*
11/22/2019	*	*	71.0	*	*	*	*	*
11/23/2019	52.9	49.3	53.6	49.7		33.8	31.1	
11/24/2019	67.6	61.7	67.9	66.6	33.7	40.5	38.5	
11/25/2019	*	63.5	*	*	*	*	*	*
11/26/2019	60.3	71.3	*	50.9	*		*	*
11/27/2019	55.3	44.6	56.3	49.3				
11/28/2019	57.2	44.0	58.1	51.5				
11/29/2019	57.3	46.8	58.3	50.1	42.3		47.6	
11/30/2019	57.8	55.2	57.2	60.0	28.4		25.7	
Sum	63.4	61.4	64.0	61.3	29.1	38.8	36.3	37.2

* Availability < 50%



Equivalent Continuous Sound Level
 MP01 NMTBOJ001
 December, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	Leq Day	Leq Night/Leq	Lb	Ld	Lden	Leq Day	Leq Night/Leq	Lb	Ld	Lden
12/1/2019	62.0	69.0	62.9	56.7	74.2					
12/2/2019	58.6	57.4	58.6	58.8	64.1	40.1	40.4		46.1	47.6
12/3/2019	57.9	59.9	58.1	57.0	65.9	43.4		44.5	34.2	41.9
12/4/2019	64.6	60.2	66.4	52.7	67.9	36.9	33.6	38.9		41.0
12/5/2019	57.9	44.9	58.2	56.8	58.4					
12/6/2019	57.1	50.1	58.2	49.0	58.5	40.8		36.1	45.6	43.3
12/7/2019	61.3	55.1	61.7	60.3	63.7	37.9			43.9	41.1
12/8/2019	53.4	50.1	54.2	49.3	57.1	33.9	33.1		39.9	40.8
12/9/2019	61.2	50.0	62.2	54.7	61.2					
12/10/2019	57.4	41.6	58.1	54.4	57.1	35.2		36.8		33.2
12/11/2019	62.9	51.3	63.6	60.3	63.3	37.7		39.0		35.9
12/12/2019	64.7	56.7	65.8	56.9	65.7	31.5	43.1	32.8		48.4
12/13/2019	57.6	46.5	58.6	50.5	57.6					
12/14/2019	55.5	45.8	56.4	49.3	55.9	36.8		38.0		35.0
12/15/2019	60.1	48.2	61.3	47.6	59.7	34.6	42.4	35.8		47.7
12/16/2019	62.5	46.9	63.7	50.8	61.5	48.3		49.6		46.6
12/17/2019	66.6	61.6	67.7	56.7	69.0	43.3		44.8		41.3
12/18/2019	64.9	63.6	66.1	58.6	70.3	39.0		32.1	44.3	41.8
12/19/2019	64.3	59.8	65.4	55.3	67.1	34.9		36.1		33.1
12/20/2019	59.3	58.2	60.5	48.5	64.5	38.9	30.7	35.7	43.3	42.0
12/21/2019	60.4	55.3	58.7	63.6	64.2	*	31.7	*	*	*
12/22/2019	*	44.5	*	*	*	37.6	41.5	31.7	42.7	46.6
12/23/2019	55.4	66.3	54.7	56.9	70.3	41.4		42.6		39.6
12/24/2019	65.2	53.1	65.0	65.6	66.2					
12/25/2019	53.9	57.4	54.0	53.6	63.2	34.9	38.7		40.9	45.0
12/26/2019	53.1	59.3	53.8	49.8	64.8	36.9	31.1	36.6	37.7	39.9
12/27/2019	56.3	57.8	57.2	50.9	63.7	33.6	41.7		39.7	47.4
12/28/2019	62.1	50.8	63.3	48.7	61.7	34.6	*	*	41.1	37.8
12/29/2019	64.3	56.2	65.2	58.5	65.4	*	*	*	*	*
12/30/2019	*	*	*	*	*	38.6		37.0	41.5	39.9
12/31/2019	58.1	59.0	57.8	58.9	65.2					
Sum	611.6	597	623	578	654	394	348	395	392	428

* Availability < 50%



Equivalent Continuous Sound Level

MP02 NMTBOJ002

December, 2019

	Total Sound [dB(A)]				Aircraft Sound [dB(A)]			
	L _{eq,Day}	L _{eq,Night/L_N}	L _b	L _{DEN}	L _{eq,Day}	L _{eq,Night/L_N}	L _b	L _{DEN}
12/1/2019	56.7	47.3	56.6	56.9	58.2	*	*	*
12/2/2019	*	*	*	*	*	*	*	*
12/3/2019	*	*	*	*	*	*	*	*
12/4/2019	*	*	*	*	*	*	*	*
12/5/2019	*	*	*	*	*	*	*	*
12/6/2019	*	*	*	*	*	*	*	*
12/7/2019	*	*	*	*	*	*	*	*
12/8/2019	*	*	*	*	*	*	*	*
12/9/2019	*	*	*	*	*	*	*	*
12/10/2019	*	*	*	*	*	*	*	*
12/11/2019	*	*	*	*	*	*	*	*
12/12/2019	*	*	*	*	*	*	*	*
12/13/2019	*	*	*	*	*	*	*	*
12/14/2019	*	*	*	*	*	*	*	*
12/15/2019	*	*	*	*	*	*	*	*
12/16/2019	*	*	*	*	*	*	*	*
12/17/2019	*	*	*	*	*	*	*	*
12/18/2019	*	*	*	*	*	*	*	*
12/19/2019	*	*	*	*	*	*	*	*
12/20/2019	*	*	*	*	*	*	*	*
12/21/2019	*	*	*	*	*	*	*	*
12/22/2019	*	42.9	*	*	*	*	*	*
12/23/2019	*	*	*	*	*	*	*	*
12/24/2019	*	*	*	*	*	*	*	*
12/25/2019	*	*	*	*	*	*	*	*
12/26/2019	*	*	*	*	*	*	*	*
12/27/2019	*	*	*	*	*	*	*	*
12/28/2019	*	*	*	*	*	*	*	*
12/29/2019	*	*	*	*	*	*	*	*
12/30/2019	*	*	*	*	*	*	*	*
12/31/2019	*	*	*	*	*	*	*	*
Sum								

* Availability < 50%



Equivalent Continuous Sound Level
 MPO3 NMTBOJ003
 December, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq} Day	L _{eq} Night/L _N	L _b	L _e	L _{DEN}	L _{eq} Day	L _{eq} Night/L _N	L _b	L _e	L _{DEN}
12/1/2019	52.7	57.2	53.2	50.7	62.7	31.7		32.9		30.0
12/2/2019	52.2	44.8	52.8	49.4	53.8					
12/3/2019	54.0	51.5	54.3	52.7	58.4	40.7		41.9		38.9
12/4/2019	57.5	54.2	59.2	48.4	61.7					
12/5/2019	51.6	44.6	52.3	48.4	53.4					
12/6/2019	52.9	45.4	53.7	49.2	54.4					
12/7/2019	53.1	48.4	53.2	53.0	56.4					
12/8/2019	50.5	46.0	51.2	47.3	53.5					
12/9/2019	52.6	45.0	53.4	48.8	54.0					
12/10/2019	56.0	45.0	57.0	48.1	55.9					
12/11/2019	71.0	52.9	69.5	73.3	72.3	27.7		29.0		25.9
12/12/2019	62.8	68.3	64.0	54.4	73.9	34.8		36.1		33.1
12/13/2019	56.1	48.1	57.2	47.9	57.0					
12/14/2019	53.5	44.5	54.4	48.3	54.3					
12/15/2019	54.9	45.3	55.9	47.9	55.3	34.9		36.2		33.2
12/16/2019	56.9	46.4	57.9	50.4	57.1					
12/17/2019	59.9	51.4	61.0	51.3	60.7					
12/18/2019	62.8	52.9	64.2	50.1	62.9					
12/19/2019	57.9	52.3	58.0	57.4	60.7					
12/20/2019	52.7	44.4	53.2	50.6	54.1	32.4		33.6		30.6
12/21/2019	60.3	52.2	53.3	66.0	64.1	38.3		29.4	44.4	41.2
12/22/2019	*	50.9	*	*	*	*	36.2	*	*	*
12/23/2019	56.8	60.8	55.2	59.6	65.5	37.7		36.8	39.8	39.3
12/24/2019	60.4	49.2	59.1	62.9	62.3	29.0		30.2		27.2
12/25/2019	51.7	46.4	52.4	48.8	54.3					
12/26/2019	51.6	44.0	52.1	49.9	53.3					
12/27/2019	53.9	49.2	54.7	49.7	56.7	29.0		30.3		27.2
12/28/2019	55.8	47.8	55.9	55.6	57.7		45.2			50.4
12/29/2019	58.5	47.4	59.0	56.1	58.9	*	*	*	*	*
12/30/2019	*	*	*	*	*	*	*	*	*	*
12/31/2019	66.1	64.6	60.5	71.1	72.3					
Sum	60.1	55.5	59.2	61.9	64.4	31.4	30.9	31.7	30.6	37.4

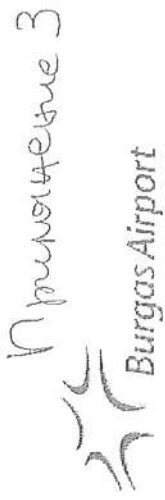
* Availability < 50%



Equivalent Continuous Sound Level
 MP04 NMTBOJ004
 December, 2019

	Total Sound [dB(A)]					Aircraft Sound [dB(A)]				
	L _{eq,Day}	L _{eq,Night/L_N}	L _p	L _E	L _{max}	L _{eq,Day}	L _{eq,Night/L_N}	L _p	L _E	L _{max}
12/1/2019	58.5	66.0	59.7	47.5	71.2	27.2		28.4		25.5
12/2/2019	55.7	49.4	56.6	50.3	57.6					
12/3/2019	57.4	55.7	58.0	54.8	62.4	25.0		26.2		23.2
12/4/2019	56.6	50.3	58.2	49.8	58.8	36.7		38.7		34.3
12/5/2019	55.5	46.6	56.2	52.3	56.5					
12/6/2019	57.1	48.1	58.1	50.4	57.7	30.3		31.6		28.5
12/7/2019	55.5	47.8	56.0	53.5	57.1					
12/8/2019	53.6	54.5	54.5	48.7	60.5					
12/9/2019	55.0	46.0	55.9	50.9	55.9	24.7		26.0		23.0
12/10/2019	56.0	44.9	56.9	51.1	56.2					
12/11/2019	63.8	52.0	62.7	65.7	65.6	32.0		33.6		30.0
12/12/2019	60.1	60.1	61.0	55.0	66.3	35.2		34.1	37.5	36.3
12/13/2019	56.7	46.0	57.4	53.4	57.2	32.9		34.2		31.2
12/14/2019	54.3	46.6	55.1	50.1	55.7					
12/15/2019	58.9	48.6	60.0	49.7	59.0	27.1		28.3		25.3
12/16/2019	57.7	47.6	58.6	52.4	58.1					
12/17/2019	61.5	57.4	62.6	52.0	64.5	29.6		30.8		27.8
12/18/2019	62.5	60.2	63.8	53.5	67.1	44.4		45.9		42.3
12/19/2019	59.7	56.6	60.7	54.4	63.5					
12/20/2019	55.5	45.8	56.5	49.8	56.0					
12/21/2019	57.2	54.7	57.0	57.6	61.8	35.0	27.5	29.6	40.3	38.7
12/22/2019	*	51.0	*	*	*	*		*	*	*
12/23/2019	58.8	65.0	58.4	59.8	69.3	35.1	28.4	35.1	35.2	37.4
12/24/2019	61.5	50.4	60.6	63.4	63.2	39.0		40.3		37.3
12/25/2019	55.8	49.6	56.7	49.7	57.7					
12/26/2019	54.7	48.1	55.6	50.2	56.5		30.2			35.4
12/27/2019	57.3	52.4	58.4	49.2	59.8					
12/28/2019	59.3	47.5	60.5	48.7	58.9		36.3			41.6
12/29/2019	65.4	51.1	66.2	59.7	64.8	*		*	*	*
12/30/2019	*	*	*	*	*					
12/31/2019	63.4	60.4	57.9	68.4	68.8	37.1		43.1		40.3
Sum	59.8	56.5	60.0	59.1	63.9	34.8	23.3	35.6	31.3	35.1

* Availability < 50%



NMT Statistics
MP01 NMTBOJ001

October, 2019

	Noise Events		Flights		NI/NP2 [%]	NI/NB [%]	Availability		Leg [dB(A)]		L _{night} [dB(A)]	L _{day} [dB(A)]
	Total	Correlated	Total	Relevant			[%]	Reason	Total	Aircraft		
10/1/2019	204	19	32	32	59.4	9.3	89.5	TW	73.8	48.7	29.4	82.8
10/2/2019	269	7	11	11	63.6	2.6	99.9		60.9	39.8	29.1	77.4
10/3/2019	99	3	7	7	42.9	3.0	99.9		57.6	36.6	29.2	75.6
10/4/2019	212	8	11	11	72.7	3.8	99.9		60.1	43.1	29.6	80.9
10/5/2019	259	2	14	14	14.3	0.8	95.5	TW	61.8	36.5	31.2	74.1
10/6/2019	49	4	24	24	16.7	8.2	99.7		55.5	36.1	29.0	72.0
10/7/2019	121	2	8	8	25.0	1.7	99.9		58.0	35.1	29.5	76.0
10/8/2019	477	3	10	10	30.0	0.6	99.9		63.2	43.0	30.3	80.3
10/9/2019	86	4	14	14	28.6	4.7	99.9		56.8	38.3	30.5	75.9
10/10/2019	287	11	10	10	110.0	3.8	95.7	TW	61.7	45.7	31.5	81.5
10/11/2019	209	9	15	15	60.0	4.3	95.7	TW	60.5	40.4	31.1	75.4
10/12/2019	84	6	14	13	46.2	7.1	99.9		56.7	38.6	28.6	75.0
10/13/2019	53	8	24	24	33.3	15.1	99.9		54.8	41.0	30.2	77.5
10/14/2019	23	1	10	10	10.0	4.3	99.9		54.7	27.3	30.1	68.6
10/15/2019	51	1	8	8	12.5	2.0	99.9		56.1	30.7	28.0	73.1
10/16/2019	44	1	8	8	12.5	2.3	99.9		56.4	36.0	28.1	76.9
10/17/2019	29	3	14	14	21.4	10.3	99.9		55.6	34.2	27.8	74.7
10/18/2019	15	5	15	15	33.3	33.3	99.9		53.7	38.8	30.5	76.6
10/19/2019	31	4	11	11	36.4	12.9	99.9		54.0	37.0	29.2	72.7
10/20/2019	36	2	11	11	18.2	5.6	99.9		52.8	33.6	27.3	72.0
10/21/2019	43	1	5	5	20.0	2.3	99.9		54.7	27.1	28.8	68.9
10/22/2019	197	4	6	6	66.7	2.0	99.7		59.0	37.1	27.6	74.6
10/23/2019	26	2	7	7	28.6	7.7	99.7		55.3	38.1	28.1	80.4
10/24/2019	28	1	10	10	10.0	3.6	99.9		54.8	27.6	27.6	68.0
10/25/2019	15	0	8	8	0.0	0.0	99.9		52.0	28.4	28.4	68.1
10/26/2019	21	1	13	13	7.7	4.8	99.9		53.5	29.3	28.0	68.1
10/27/2019	25	1	2	2	50.0	4.0	99.9		53.4	27.9	28.3	67.8
10/28/2019	63	1	6	6	16.7	1.6	99.9		57.0	22.8	29.2	63.5
10/29/2019	33	0	2	2	0.0	0.0	99.9		54.8	40.0	27.8	75.2
10/30/2019	137	3	6	6	50.0	2.2	99.9		69.0	32.6	28.8	74.0
10/31/2019	835	1	1	1	100.0	0.1	87.5	TW	61.7	39.2	27.3	82.8
Sum	4061	118	337	336	35.4	2.9	98.7	TW	51.7	39.2	27.3	82.8

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



Burgas Airport

NMT Statistics
MP02 NMTBOJ002

October, 2019

	Noise Events		Flights		N1/N2 [%]	N1/N3 [%]	Availability		L _{eq} [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			Reason	Total	Ambient	Aircraft		
10/1/2019	1	1	32	16	6.3	100.0	7.9	TW	*	*	31.8	73.7
10/2/2019	16	2	11	5	40.0	12.5	34.8	T	*	*	31.7	77.3
10/3/2019	23	0	7	2	0.0	0.0	99.9		52.8	52.8	28.9	
10/4/2019	17	2	11	3	66.7	11.8	99.8		55.4	55.3	30.4	78.4
10/5/2019	7	4	14	5	80.0	57.1	95.6	TW	48.7	47.8	28.6	77.4
10/6/2019	7	2	24	9	22.2	28.6	99.8		57.1	57.0	28.3	72.4
10/7/2019	5	0	8	1	0.0	0.0	99.9		49.5	49.5	28.7	
10/8/2019	2	2	10	3	66.7	100.0	99.8		51.1	49.1	29.2	87.7
10/9/2019	29	0	14	3	0.0	0.0	99.8		54.5	54.5	32.8	
10/10/2019	14	1	10	5	20.0	7.1	95.7	TW	54.5	54.5	31.4	76.2
10/11/2019	14	3	15	5	60.0	21.4	95.6	TW	53.4	53.1	28.8	76.6
10/12/2019	6	2	14	3	66.7	33.3	99.8		49.1	48.7	29.8	76.9
10/13/2019	7	4	24	7	57.1	57.1	99.9		48.8	47.8	31.7	81.1
10/14/2019	33	1	10	2	50.0	3.0	99.8		54.2	54.1	29.4	74.7
10/15/2019	24	3	8	4	75.0	12.5	99.8		54.3	54.1	27.2	77.3
10/16/2019	29	1	8	1	100.0	3.4	99.8		55.1	55.1	26.4	76.5
10/17/2019	19	2	14	3	66.7	10.5	99.8		57.1	57.0	27.5	81.2
10/18/2019	3	1	15	3	33.3	33.3	99.8		52.8	52.5	30.3	79.9
10/19/2019	14	3	11	3	100.0	21.4	99.9		50.3	49.5	27.0	80.7
10/20/2019	3	3	11	3	100.0	100.0	99.7		45.9	45.0	26.5	76.0
10/21/2019	20	0	5	1	0.0	0.0	99.8		56.7	56.7	28.5	
10/22/2019	31	1	6	1	100.0	3.2	99.8		54.6	54.5	28.0	76.8
10/23/2019	15	0	7	2	0.0	0.0	99.8		52.4	52.4	29.0	
10/24/2019	12	1	10	5	20.0	8.3	99.9		51.6	51.5	27.3	69.2
10/25/2019	4	2	8	3	66.7	50.0	99.7		51.3	51.2	28.4	76.4
10/26/2019	12	7	13	9	77.8	58.3	99.7		53.9	53.0	27.7	83.9
10/27/2019	1	0	2	0	0.0	0.0	99.7		46.9	46.9	28.8	
10/28/2019	5	0	6	3	0.0	0.0	99.7		51.1	51.1	18.9	
10/29/2019	0	0	2	1	0.0		99.7		28.8	28.8	18.8	
10/30/2019	0	0	6	3	0.0		99.9		27.8	27.8	24.9	
10/31/2019	0	0	1	1	0.0		87.3	TW	31.1	31.1	24.7	
Sum	373	48	337	145	41.7	12.9	95.9	TW	52.9	52.7	18.8	87.7

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



Burgas Airport

NMT Statistics

MP03 NMTBOJ003

October, 2019

	Noise Events		Flights		N1/N3 [%]	N2/N2 [%]	N1/N3 [%]	Availability		L _{amb} [dB(A)]	L _{amb} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant				[%]	Reason			
10/1/2019	292	9	32	16	56.3	3.1	89.5	TW	67.2	67.1	48.5	81.9
10/2/2019	419	5	11	5	100.0	1.2	99.9		66.3	66.0	54.8	97.0
10/3/2019	54	0	7	2	0.0	0.0	99.9		52.6	52.6		36.7
10/4/2019	218	3	11	3	100.0	1.4	99.6		62.6	62.6	42.4	78.1
10/5/2019	31	4	14	5	80.0	12.9	95.5	TW	52.8	52.4	42.1	77.7
10/6/2019	27	4	24	9	44.4	14.8	99.7		53.0	52.9	34.6	70.3
10/7/2019	180	0	8	1	0.0	0.0	99.9		57.5	57.5		36.4
10/8/2019	139	2	10	3	66.7	1.4	99.7		55.5	55.3	43.2	81.9
10/9/2019	11	0	14	3	0.0	0.0	99.7		50.3	50.3		37.4
10/10/2019	66	2	10	5	40.0	3.0	95.6	TW	55.3	55.2	39.2	77.4
10/11/2019	80	3	15	5	60.0	3.8	95.5	TW	54.6	54.4	40.1	77.0
10/12/2019	152	2	14	3	66.7	1.3	99.7		56.0	55.8	41.4	77.2
10/13/2019	87	2	24	7	28.6	2.3	99.9		53.4	53.2	39.6	77.2
10/14/2019	101	1	10	2	50.0	1.0	99.7		53.0	52.9	36.1	76.3
10/15/2019	181	4	8	4	100.0	2.2	99.7		55.8	55.7	41.2	77.5
10/16/2019	141	1	8	1	100.0	0.7	99.6		54.2	54.1	37.1	76.7
10/17/2019	79	3	14	3	100.0	3.8	99.8		52.4	52.0	41.9	80.7
10/18/2019	236	1	15	3	33.3	0.4	99.8		55.9	55.8	40.7	80.0
10/19/2019	66	3	11	3	100.0	4.5	99.9		51.8	51.0	43.7	80.9
10/20/2019	94	2	11	3	66.7	2.1	99.8		52.7	52.5	40.0	76.9
10/21/2019	104	0	5	1	0.0	0.0	99.8		53.1	53.1		35.7
10/22/2019	178	1	6	1	100.0	0.6	99.8		55.9	55.8	37.1	77.6
10/23/2019	86	0	7	2	0.0	0.0	99.8		52.5	52.5		35.5
10/24/2019	69	1	10	5	20.0	1.4	99.9		51.8	51.7	21.3	61.8
10/25/2019	66	1	8	3	33.3	1.5	99.8		51.7	51.6	35.8	74.6
10/26/2019	110	8	13	9	88.9	7.3	99.8		55.7	55.2	46.8	83.2
10/27/2019	10	0	2	0		0.0	99.7		48.9	48.9		37.3
10/28/2019	16	1	6	3	33.3	6.3	99.8		50.1	50.1	22.1	62.5
10/29/2019	103	0	2	1	0.0	0.0	99.8		53.2	53.2		34.8
10/30/2019	62	3	6	3	100.0	4.8	99.9		53.4	52.0	47.8	85.1
10/31/2019	84	1	1	1	100.0	1.2	87.3	TW	55.3	54.7	46.0	84.5
Sum	3542	67	337	115	58.8	1.9	98.6	TW	57.6	57.4	45.6	97.0

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

* Availability < 50%



NMT Statistics

MP04 NMTBOJ004

October, 2019

	Noise Events		Flights		N1/N2	N1/NS	Availability		Leq [dB(A)]		L _{min}	L _{max}	
	Total	Correlated	Total	Relevant			[%]	Reason	Total	Ambient			Aircraft
10/1/2019	301	7	32	16	43.8	2.3	89.3	TW	71.3	71.2	42.3	41.6	75.0
10/2/2019	552	5	11	5	100.0	0.9	99.6		53.8	53.8	26.6	41.7	75.6
10/3/2019	213	1	7	2	50.0	0.5	99.8		55.5	55.5	12.7	41.3	70.6
10/4/2019	294	3	11	3	100.0	1.0	99.5		55.7	55.7	20.4	41.1	75.8
10/5/2019	164	1	14	5	20.0	0.6	95.4	TW	58.2	58.2	24.4	31.8	66.0
10/6/2019	140	3	24	9	33.3	2.1	99.4		62.8	62.8	28.3	32.2	72.3
10/7/2019	90	0	8	1	0.0	0.0	99.6		54.2	54.2		31.7	
10/8/2019	149	2	10	3	66.7	1.3	99.4		57.0	57.0	18.2	33.0	80.5
10/9/2019	78	1	14	3	33.3	1.3	99.6		58.4	58.4	33.6	35.2	62.3
10/10/2019	220	4	10	5	80.0	1.8	95.4	TW	53.7	53.7	27.8	35.9	71.1
10/11/2019	231	2	15	5	40.0	0.9	95.7	TW	54.7	54.7	20.6	40.5	58.4
10/12/2019	123	1	14	3	33.3	0.8	99.7		54.0	54.0	20.0	38.1	62.3
10/13/2019	131	2	24	7	28.6	1.5	99.7		54.0	54.0	18.6	38.6	56.3
10/14/2019	138	0	10	2	0.0	0.0	99.9		53.5	53.5		36.5	
10/15/2019	204	3	8	4	75.0	1.5	99.7		54.4	54.4	23.1	37.5	61.9
10/16/2019	154	0	8	1	0.0	0.0	99.7		62.6	62.6		36.8	
10/17/2019	135	2	14	3	66.7	1.5	99.7		60.5	60.5	20.9	38.4	59.0
10/18/2019	110	1	15	3	33.3	0.9	99.7		55.2	55.2	12.8	36.0	54.2
10/19/2019	91	2	11	3	66.7	2.2	99.7		52.9	52.9	12.8	38.0	51.9
10/20/2019	69	2	11	3	66.7	2.9	99.9		57.4	57.4	30.1	37.1	71.9
10/21/2019	80	0	5	1	0.0	0.0	99.7		56.1	56.1		36.9	
10/22/2019	189	1	6	1	100.0	0.5	99.7		60.4	60.4	17.9	36.0	55.6
10/23/2019	74	0	7	2	0.0	0.0	99.7		62.6	62.6		37.3	
10/24/2019	88	0	10	5	0.0	0.0	99.7		58.9	58.9		36.8	
10/25/2019	82	1	8	3	33.3	1.2	99.7		54.1	54.1	14.9	34.9	56.0
10/26/2019	114	3	13	9	33.3	2.6	99.9		55.6	55.6	20.7	37.2	55.3
10/27/2019	135	0	2	0		0.0	99.7		68.4	68.4		37.4	
10/28/2019	109	0	6	3	0.0	0.0	99.7		65.7	65.7		38.6	
10/29/2019	113	1	2	1	100.0	0.9	99.7		59.9	59.9	19.5	33.3	60.3
10/30/2019	63	2	6	3	66.7	3.2	99.7		54.5	54.5	25.8	33.7	65.3
10/31/2019	185	1	1	1	100.0	0.5	87.2	TW	53.5	53.5	13.7	34.0	51.6
Sum	4819	51	587	165	44.3	1.1	95.5	TW	61.1	61.1	28.6	31.7	80.5

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

* Availability < 50%



NMT Statistics
 MP01 NMTBOJ001
 November, 2019

	Noise Events		Flights		N1/N2 [%]	N2/N3 [%]	Availability		Total	L _{eq} [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			[%]	Reason		Aircraft	Ambient		
11/1/2019	419	1	5	5	20.0	0.2	74.9	TW	68.6	68.5	33.2	80.2	
11/2/2019	7	0	8	8	0.0	0.0	99.9		51.1	51.1	31.2		
11/3/2019	127	0	1	1	0.0	0.0	99.9		58.1	58.1	31.0		
11/4/2019	106	1	6	6	16.7	0.9	75.0	TW	58.8	58.8	31.8	76.2	
11/5/2019	114	1	2	2	50.0	0.9	99.9		58.0	58.0	30.8	71.3	
11/6/2019	125	2	3	3	66.7	1.6	87.4	TW	60.0	60.0	30.4	73.7	
11/7/2019	76	2	3	3	66.7	2.6	89.5	TW	58.2	58.1	29.7	75.3	
11/8/2019	30	0	7	7	0.0	0.0	99.9		54.3	54.3	28.9		
11/9/2019	11	1	7	7	14.3	9.1	99.9		52.2	52.1	29.0	72.1	
11/10/2019	18	0	0	0		0.0	99.9		52.3	52.3	29.1		
11/11/2019	40	0	7	7	0.0	0.0	99.9		55.4	55.4	28.9		
11/12/2019	55	1	7	7	14.3	1.8	99.9		56.6	56.6	28.4	77.0	
11/13/2019	53	1	4	4	25.0	1.9	99.9		56.0	56.0	28.3	73.3	
11/14/2019	26	0	2	2	0.0	0.0	99.9		55.1	55.1	27.9		
11/15/2019	132	4	9	9	44.4	3.0	99.9		57.9	57.8	29.7	74.9	
11/16/2019	18	0	2	2	0.0	0.0	99.9		52.3	52.3	27.2		
11/17/2019	55	0	0	0		0.0	99.9		55.5	55.5	28.4		
11/18/2019	134	2	7	7	28.6	1.5	99.9		57.3	57.3	29.0	72.3	
11/19/2019	41	3	4	4	75.0	7.3	99.9		56.0	55.9	26.8	78.9	
11/20/2019	494	4	4	4	100.0	0.8	99.9		61.9	61.9	31.8	72.7	
11/21/2019	641	2	2	2	100.0	0.3	81.2	TW	65.8	65.8	33.4	80.6	
11/22/2019	452	0	6	6	0.0	0.0	35.3	TW	*	*	37.8		
11/23/2019	424	1	7	7	14.3	0.2	97.9	TW	63.0	63.0	34.3	69.9	
11/24/2019	666	3	4	4	75.0	0.5	99.9		64.9	64.8	33.7	78.6	
11/25/2019	340	1	11	11	9.1	0.3	47.9	TW	*	*	33.6	78.9	
11/26/2019	375	3	8	8	37.5	0.8	56.2	TW	68.3	68.3	32.0	74.3	
11/27/2019	101	0	4	4	0.0	0.0	99.9		56.6	56.6	28.7		
11/28/2019	117	0	5	5	0.0	0.0	99.9		58.4	58.4	29.1		
11/29/2019	66	6	10	10	60.0	9.1	99.9		56.9	56.7	30.7	79.5	
11/30/2019	182	2	10	10	20.0	1.1	93.6	TW	63.5	63.5	30.4	79.6	
Sum	5445	41	155	155	26.5	0.8	91.2	TW	61.2	61.2	26.8	80.6	

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



NMT Statistics
 MP02 NIMTBOJ002
 November, 2019

	Noise Events		Flights		N1/N2 [%]	N1/N3 [%]	Availability		Total	L _{eq} [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			[%]	Reason		Ambient	Aircraft		
11/1/2019	0	0	5	2	0.0		74.9	TW	30.9	30.9	25.1		
11/2/2019	0	0	8	5	0.0		99.7		27.6	27.6	20.2		
11/3/2019	0	0	1	0			99.7		27.2	27.2	25.7		
11/4/2019	0	0	6	2	0.0		74.8	TW	28.5	28.5	25.5		
11/5/2019	0	0	2	1	0.0		99.9		29.3	29.3	18.9		
11/6/2019	0	0	3	1	0.0		87.2	TW	29.1	29.1	25.0		
11/7/2019	0	0	3	2	0.0		89.3	TW	27.0	27.0	25.0		
11/8/2019	0	0	7	4	0.0		99.7		26.7	26.7	20.7		
11/9/2019	0	0	7	3	0.0		99.7		26.5	26.5	20.6		
11/10/2019	0	0	0	0			99.5		27.9	27.9	19.7		
11/11/2019	0	0	7	5	0.0		99.9		26.7	26.7	23.2		
11/12/2019	0	0	7	3	0.0		99.2		26.0	26.0	20.7		
11/13/2019	0	0	4	2	0.0		99.6		26.4	26.4	24.0		
11/14/2019	0	0	2	0			99.6		27.4	27.4	25.6		
11/15/2019	0	0	9	5	0.0		99.0		27.0	27.0	19.8		
11/16/2019	0	0	2	0			99.3		27.3	27.3	23.9		
11/17/2019	0	0	0	0			99.4		28.0	28.0	25.8		
11/18/2019	0	0	7	3	0.0		16.6	T	*	*	27.0	*	
11/19/2019	0	0	4	2	0.0		39.1	T	*	*	21.3	*	
11/20/2019	0	0	4	4	0.0		99.8		51.2	51.2	34.7		
11/21/2019	0	0	2	1	0.0		81.2	TW	52.6	52.6	34.0		
11/22/2019	0	0	6	3	0.0		35.3	TW	*	*	35.9	*	
11/23/2019	0	0	7	4	0.0		97.8	TW	51.4	51.4	34.9		
11/24/2019	0	0	4	2	0.0		99.8		53.1	53.1	35.1		
11/25/2019	0	0	11	5	0.0		47.9	TW	*	*	32.0	*	
11/26/2019	0	0	8	4	0.0		56.0	TW	47.6	47.6	31.5		
11/27/2019	0	0	4	0			99.9		52.1	52.1	30.5		
11/28/2019	0	0	5	1	0.0		99.8		51.8	51.8	34.1		
11/29/2019	0	0	10	4	0.0		99.8		51.1	51.1	34.6		
11/30/2019	0	0	10	4	0.0		93.5	TW	51.8	51.8	35.1		
Sum	0	0	155	72	0.0		86.2	TW	47.2	47.2	18.9		

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



NMT Statistics
 MP03 NMTBOJ003
 November, 2019

	Noise Events		Flights		NE/N2 [%]	NI/NB [%]	Availability		Leq [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]	
	Total	Correlated	Total	Relevant			[%]	Reason	Total	Ambient			Aircraft
11/1/2019	104	2	5	2	100.0	1.9	74.9	TW	56.0	55.9	41.8	38.4	79.8
11/2/2019	28	2	8	5	40.0	7.1	99.8		53.2	51.0	49.2	37.2	90.1
11/3/2019	19	0	1	0		0.0	99.7		49.6	49.6		37.7	
11/4/2019	63	0	6	2	0.0	0.0	74.8	TW	54.7	54.7		37.9	
11/5/2019	15	1	2	1	100.0	6.7	99.9		56.2	50.6	54.8	36.9	94.7
11/6/2019	41	0	3	1	0.0	0.0	87.3	TW	52.7	52.7		38.8	
11/7/2019	57	2	3	2	100.0	3.5	89.3	TW	60.6	53.2	59.8	37.0	102.6
11/8/2019	56	2	7	4	50.0	3.6	99.7		52.3	52.1	37.6	36.6	77.5
11/9/2019	28	1	7	3	33.3	3.6	99.7		50.9	50.8	33.8	37.5	71.2
11/10/2019	16	0	0	0		0.0	99.7		49.6	49.6		36.8	
11/11/2019	92	5	7	5	100.0	5.4	99.9		55.4	55.2	42.7	35.5	77.9
11/12/2019	517	3	7	3	100.0	0.6	99.7		63.1	63.1	35.8	36.0	72.4
11/13/2019	638	1	4	2	50.0	0.2	99.7		62.9	62.9	26.0	35.2	68.7
11/14/2019	233	0	2	0		0.0	99.7		57.4	57.4		35.1	
11/15/2019	31	5	9	5	100.0	16.1	99.7		51.8	51.5	40.2	35.6	76.3
11/16/2019	107	0	2	0		0.0	99.7		54.5	54.5		35.3	
11/17/2019	546	0	0	0		0.0	99.9		61.6	61.6		36.1	
11/18/2019	271	2	7	3	66.7	0.7	99.7		59.8	59.7	38.6	35.8	76.9
11/19/2019	13	1	4	2	50.0	7.7	99.7		50.2	50.2	28.6	34.7	63.7
11/20/2019	812	4	4	4	100.0	0.5	99.7		71.1	71.1	40.3	37.5	76.2
11/21/2019	647	0	2	1	0.0	0.0	81.0	TW	71.1	71.1		36.6	
11/22/2019	338	0	6	3	0.0	0.0	35.3	TW	*	*	*	41.0	
11/23/2019	13	3	7	4	75.0	23.1	97.7	TW	51.2	50.7	41.7	37.8	79.5
11/24/2019	734	2	4	2	100.0	0.3	99.7		67.3	67.3	39.6	38.7	79.9
11/25/2019	246	0	11	5	0.0	0.0	47.7	TW	*	*	*	37.0	
11/26/2019	201	2	8	4	50.0	1.0	56.0	TW	64.7	64.7	37.7	36.6	72.8
11/27/2019	10	0	4	0		0.0	99.7		50.0	50.0		36.1	
11/28/2019	34	0	5	1	0.0	0.0	99.9		51.2	51.2		36.9	
11/29/2019	50	1	10	4	25.0	2.0	99.7		54.5	52.5	50.2	37.9	91.1
11/30/2019	89	2	10	4	50.0	2.2	93.5	TW	54.5	54.5	30.2	37.9	72.7
Sum	6049	41	155	72	56.9	0.7	91.1	TW	63.4	63.3	47.2	34.7	102.6

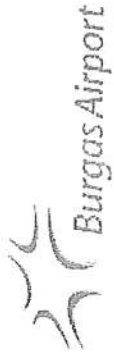
N1: Correlated Flights, N2: Relevant Flights, N3: Total Noise Events, W: Weather, B: Background Noise, T: Technics
 * Availability < 50%



NMT Statistics
 MP04 NMTBOJ004
 November, 2019

	Noise Events		Flights		NL/N3 [%]	NL/N2 [%]	NL/N3 [%]	Availability		Leq [dB(A)]		L _{minh} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant				[%]	Reason	Total	Ambient		
11/1/2019	125	0	5	2	0.0	0.0	74.9	TW	56.5	56.5	37.0	56.9	
11/2/2019	14	2	8	5	14.3	40.0	99.8		57.7	57.7	36.8	56.9	
11/3/2019	37	0	1	0	0.0		99.8		63.6	63.6	36.3		
11/4/2019	213	0	6	2	0.0	0.0	75.0	TW	72.8	72.8	38.6		
11/5/2019	178	1	2	1	0.6	100.0	99.8		62.6	62.6	38.2	60.1	
11/6/2019	149	0	3	1	0.0	0.0	87.3	TW	67.6	67.6	38.6		
11/7/2019	165	2	3	2	1.2	100.0	89.5	TW	54.4	54.4	37.6	49.3	
11/8/2019	103	1	7	4	1.0	25.0	99.7		54.5	54.5	39.3	55.1	
11/9/2019	76	0	7	3	0.0	0.0	99.7		51.7	51.7	39.0		
11/10/2019	101	0	0	0	0.0	0.0	99.7		59.0	59.0	37.5		
11/11/2019	119	0	7	5	0.0	0.0	99.9		55.2	55.2	37.8		
11/12/2019	321	3	7	3	0.9	100.0	99.7		56.9	56.8	35.3	73.1	
11/13/2019	265	2	4	2	0.8	100.0	99.7		56.3	56.3	38.7	70.3	
11/14/2019	136	0	2	0	0.0	0.0	99.7		55.3	55.3	36.4		
11/15/2019	176	3	9	5	1.7	60.0	99.7		56.0	55.9	34.3	68.0	
11/16/2019	123	0	2	0	0.0	0.0	99.8		55.3	55.3	32.1		
11/17/2019	262	0	0	0	0.0	0.0	99.9		56.7	56.7	36.1		
11/18/2019	227	2	7	3	0.9	66.7	99.7		56.1	56.1	38.9	67.6	
11/19/2019	114	2	4	2	1.8	100.0	99.7		55.7	55.6	32.7	81.9	
11/20/2019	1261	4	4	4	0.3	100.0	99.7		65.4	65.4	40.9	77.0	
11/21/2019	1024	1	2	1	0.1	100.0	81.0	TW	68.0	68.0	40.8	81.7	
11/22/2019	397	0	6	3	0.0	0.0	35.3	TW	*	*	40.7		
11/23/2019	26	1	7	4	3.8	25.0	97.7	TW	52.1	52.1	37.3	63.4	
11/24/2019	878	2	4	2	0.2	100.0	99.7		66.3	66.3	41.6	76.4	
11/25/2019	507	0	11	5	0.0	0.0	47.7	TW	*	*	37.4		
11/26/2019	242	1	8	4	0.4	25.0	56.0	TW	67.1	67.1	37.3	68.3	
11/27/2019	66	0	4	0	0.0	0.0	99.7		53.8	53.8	33.7		
11/28/2019	155	0	5	1	0.0	0.0	99.9		55.5	55.5	34.4		
11/29/2019	143	2	10	4	1.4	50.0	99.7		55.7	55.6	36.4	73.9	
11/30/2019	200	1	10	4	0.5	25.0	93.5	TW	57.1	57.1	36.7	64.2	
Sum	7803	30	155	72	0.4	41.7	91.1	TW	62.9	62.8	32.1	81.9	

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



NMT Statistics
MP01 NMTBOJ001
December, 2019

	Noise Events		Flights		N1/N2 [%]	N1/N3 [%]	Availability		L _{leg} [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			[%]	Reason	Total	Ambient		
12/1/2019	408	0	4	4	0.0	0.0	97.9	TW	65.6	65.6	29.9	
12/2/2019	175	4	6	6	66.7	2.3	99.9		58.2	58.2	40.2	78.6
12/3/2019	218	5	9	9	55.6	2.3	99.9		58.7	58.6	41.6	78.3
12/4/2019	255	3	4	4	75.0	1.2	79.1	TW	63.2	63.2	35.8	75.0
12/5/2019	22	0	0	0	0.0	0.0	99.9		56.3	56.3	29.9	
12/6/2019	75	0	2	2	0.0	0.0	99.9		55.8	55.8	32.6	
12/7/2019	298	3	4	3	100.0	1.0	99.9		60.1	60.0	39.1	77.8
12/8/2019	22	1	2	2	50.0	4.5	99.9		52.5	52.4	36.1	76.1
12/9/2019	115	2	5	5	40.0	1.7	99.9		59.6	59.6	33.7	70.4
12/10/2019	26	0	2	2	0.0	0.0	99.9		55.7	55.7	30.5	
12/11/2019	255	1	7	7	14.3	0.4	89.5	TW	61.0	61.0	33.2	74.8
12/12/2019	425	2	4	4	50.0	0.5	97.8	TW	63.2	63.2	35.9	74.9
12/13/2019	36	2	4	4	50.0	5.6	99.9		56.0	55.9	38.9	79.0
12/14/2019	46	0	5	5	0.0	0.0	99.9		53.9	53.9	31.0	
12/15/2019	94	2	3	3	66.7	2.1	99.9		58.5	58.5	35.0	72.3
12/16/2019	160	3	4	4	75.0	1.9	99.9		60.8	60.8	38.8	76.2
12/17/2019	612	2	2	2	100.0	0.3	99.9		65.5	65.4	46.6	84.3
12/18/2019	629	4	5	5	80.0	0.6	89.5	TW	64.4	64.4	41.3	76.1
12/19/2019	539	3	4	4	75.0	0.6	99.9		63.3	63.3	37.2	77.7
12/20/2019	111	2	7	7	28.6	1.8	99.9		59.0	59.0	33.1	71.6
12/21/2019	177	4	8	8	50.0	2.3	97.8	TW	59.2	59.2	37.4	79.2
12/22/2019	57	3	7	7	42.9	5.3	54.1	TW	58.7	58.7	38.1	75.9
12/23/2019	175	4	8	8	50.0	2.3	87.4	TW	61.1	61.1	38.9	77.0
12/24/2019	380	3	4	4	75.0	0.8	99.9		63.6	63.5	39.6	76.8
12/25/2019	70	0	0	0	0.0	0.0	99.9		55.4	55.4	29.0	
12/26/2019	118	3	6	6	50.0	2.5	99.6		56.2	56.2	36.6	76.2
12/27/2019	111	5	14	14	35.7	4.5	99.7		56.9	56.8	35.7	72.0
12/28/2019	187	4	6	6	66.7	2.1	99.9		60.5	60.4	38.1	72.1
12/29/2019	316	1	2	2	50.0	0.3	97.8	TW	62.9	62.9	32.8	73.4
12/30/2019	321	6	9	9	66.7	1.9	29.0	TW	*	*	34.7	82.8
12/31/2019	105	5	6	6	83.3	4.8	99.9		58.4	58.4	36.8	73.0
Sum	6538	77	153	152	50.7	1.2	94.1	TW	61.0	61.0	38.3	84.3

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



NMT Statistics

MP02 NMTBOJ002

December, 2019

Date	Noise Events		Flights		NL/N2 [%]	NL/N3 [%]	Availability		Total	L _{eq} [dB(A)]	L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			[%]	Reason				
12/1/2019	0	0	4	2	0.0		97.8	TW	55.2	55.2	36.7	*
12/2/2019	0	0	6	3	0.0		0.0	T	*	*	*	*
12/3/2019	0	0	9	4	0.0		0.0	T	*	*	*	*
12/4/2019	0	0	4	1	0.0		0.0	T	*	*	*	*
12/5/2019	0	0	0	0	0.0		0.0	T	*	*	*	*
12/6/2019	0	0	2	1	0.0		0.0	T	*	*	*	*
12/7/2019	0	0	4	1	0.0		0.0	T	*	*	*	*
12/8/2019	0	0	2	0	0.0		0.0	T	*	*	*	*
12/9/2019	0	0	5	3	0.0		0.0	T	*	*	*	*
12/10/2019	0	0	2	0	0.0		0.0	T	*	*	*	*
12/11/2019	0	0	7	3	0.0		0.0	T	*	*	*	*
12/12/2019	0	0	4	2	0.0		0.0	T	*	*	*	*
12/13/2019	0	0	4	2	0.0		0.0	T	*	*	*	*
12/14/2019	0	0	5	4	0.0		0.0	T	*	*	*	*
12/15/2019	0	0	3	2	0.0		0.0	T	*	*	*	*
12/16/2019	0	0	4	1	0.0		0.0	T	*	*	*	*
12/17/2019	0	0	2	1	0.0		0.0	T	*	*	*	*
12/18/2019	0	0	5	3	0.0		0.0	T	*	*	*	*
12/19/2019	0	0	4	2	0.0		0.0	T	*	*	*	*
12/20/2019	0	0	7	3	0.0		0.0	T	*	*	*	*
12/21/2019	0	0	8	4	0.0		0.0	T	*	*	*	*
12/22/2019	5	0	7	4	0.0	0.0	54.0	TW	50.9	50.9	34.9	*
12/23/2019	0	0	8	5	0.0		0.0	T	*	*	*	*
12/24/2019	0	0	4	2	0.0		0.0	T	*	*	*	*
12/25/2019	0	0	0	0	0.0		0.0	T	*	*	*	*
12/26/2019	0	0	6	3	0.0		0.0	T	*	*	*	*
12/27/2019	0	0	14	6	0.0		0.0	T	*	*	*	*
12/28/2019	0	0	6	3	0.0		0.0	T	*	*	*	*
12/29/2019	0	0	2	1	0.0		0.0	T	*	*	*	*
12/30/2019	0	0	9	5	0.0		0.0	T	*	*	*	*
12/31/2019	0	0	6	3	0.0		0.0	T	*	*	*	*
Sum	5	0	153	74	0.0	0.0	4.9	TW	*	*	34.9	*

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

* Availability < 50%



NMT Statistics

MP03 NMTBOJ003

December, 2019

	Noise Events		Flights		N1/N2 [%]	N1/N3 [%]	Availability		Leq [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]
	Total	Correlated	Total	Relevant			Total	Reason	Ambient	Aircraft		
12/1/2019	86	1	4	2	50.0	1.2	97.8	TW	54.7	30.0	37.3	72.1
12/2/2019	16	0	6	3	0.0	0.0	99.6		50.8		38.2	
12/3/2019	50	1	9	4	25.0	2.0	99.8		53.1	38.9	39.0	78.3
12/4/2019	139	0	4	1	0.0	0.0	79.1	TW	56.4		37.7	
12/5/2019	5	0	0	0	0.0	0.0	99.8		50.3		39.1	
12/6/2019	32	0	2	1	0.0	0.0	99.8		51.6		39.4	
12/7/2019	39	0	4	1	0.0	0.0	99.8		52.0		39.3	
12/8/2019	8	0	2	0	0.0	0.0	99.8		49.4		38.7	
12/9/2019	29	0	5	3	0.0	0.0	99.8		51.2		38.8	
12/10/2019	12	0	2	0	0.0	0.0	99.9		54.4		39.5	
12/11/2019	386	0	7	3	0.0	0.0	89.3	TW	69.0		37.8	
12/12/2019	589	1	4	2	50.0	0.2	97.7	TW	65.5	25.9	37.9	69.5
12/13/2019	131	2	4	2	100.0	1.5	99.8		54.6	33.1	36.8	70.9
12/14/2019	53	0	5	4	0.0	0.0	99.8		52.0		38.0	
12/15/2019	53	1	3	2	50.0	1.9	99.9		53.4	33.2	37.5	71.5
12/16/2019	94	0	4	1	0.0	0.0	99.8		55.4		38.5	
12/17/2019	173	0	2	1	0.0	0.0	99.8		58.5		37.9	
12/18/2019	177	0	5	3	0.0	0.0	89.3	TW	61.0		38.4	
12/19/2019	190	0	4	2	0.0	0.0	99.7		56.7		38.3	
12/20/2019	13	1	7	3	33.3	7.7	99.8		51.2	30.6	37.4	66.5
12/21/2019	74	2	8	4	50.0	2.7	97.8	TW	58.8	36.5	39.3	79.4
12/22/2019	95	3	7	4	75.0	3.2	54.0	TW	58.1	37.9	38.2	74.6
12/23/2019	86	2	8	5	40.0	2.3	87.3	TW	58.1	36.6	38.2	76.5
12/24/2019	262	1	4	2	50.0	0.4	99.7		58.8	27.2	36.8	69.8
12/25/2019	18	0	0	0	0.0	0.0	99.7		50.5		35.7	
12/26/2019	9	0	6	3	0.0	0.0	99.7		50.2		35.2	
12/27/2019	48	1	14	6	16.7	2.1	99.9		52.8	27.2	36.8	68.6
12/28/2019	72	1	6	3	33.3	1.4	99.7		54.4	40.4	37.2	77.6
12/29/2019	139	0	2	1	0.0	0.0	97.7	TW	56.8	*	37.0	
12/30/2019	101	1	9	5	20.0	1.0	29.1	TW	*	*	38.9	70.6
12/31/2019	135	0	6	3	0.0	0.0	99.7		65.6		39.4	
Sum	3514	18	153	74	24.3	9.5	94.0	TW	59.1	31.3	35.2	79.4

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

* Availability < 50%



Burgas Airport

NIMT Statistics

MP04 NMTBOJ004

December, 2019

	Noise Events		Flights		N1/N2 [%]	N1/NB [%]	Availability		L _{eq} [dB(A)]		L _{min} [dB(A)]	L _{max} [dB(A)]	
	Total	Correlated	Total	Relevant			[%]	Reason	Total	Ambient Aircraft			
12/1/2019	406	1	4	2	50.0	0.2	97.7	TW	62.4	62.4	25.5	35.3	68.4
12/2/2019	116	0	6	3	0.0	0.0	99.7		54.4	54.4		36.6	
12/3/2019	251	1	9	4	25.0	0.4	99.7		56.9	56.9	23.2	36.4	66.0
12/4/2019	105	1	4	1	100.0	1.0	79.1	TW	54.9	54.9	34.3	37.2	71.0
12/5/2019	79	0	0	0		0.0	99.7		54.0	54.0		37.3	
12/6/2019	196	0	2	1	0.0	0.0	99.7		55.6	55.6		40.5	
12/7/2019	125	1	4	1	100.0	0.8	99.7		54.1	54.0	28.5	38.1	66.6
12/8/2019	147	0	2	0		0.0	99.7		54.0	54.0		38.6	
12/9/2019	59	1	5	3	33.3	1.7	99.7		53.6	53.5	23.0	36.5	63.7
12/10/2019	94	0	2	0		0.0	99.9		54.4	54.4		37.5	
12/11/2019	560	1	7	3	33.3	0.2	89.3	TW	62.0	62.0	30.0	36.8	72.3
12/12/2019	650	2	4	2	100.0	0.3	97.6	TW	60.1	60.1	33.4	38.4	75.5
12/13/2019	118	1	4	2	50.0	0.8	99.7		55.2	55.1	31.2	36.0	76.4
12/14/2019	56	0	5	4	0.0	0.0	99.7		52.9	52.9		38.0	
12/15/2019	148	1	3	2	50.0	0.7	99.9		57.4	57.4	25.3	37.1	66.6
12/16/2019	228	0	4	1	0.0	0.0	99.7		56.1	56.1		36.9	
12/17/2019	409	1	2	1	100.0	0.2	99.7		60.5	60.5	27.8	36.0	71.7
12/18/2019	494	2	5	3	66.7	0.4	89.3	TW	61.8	61.7	42.3	37.3	82.3
12/19/2019	476	0	4	2	0.0	0.0	99.7		58.9	58.9		36.8	
12/20/2019	76	0	7	3	0.0	0.0	99.7		54.0	54.0		34.9	
12/21/2019	146	3	8	4	75.0	2.1	97.8	TW	56.5	56.4	33.6	37.2	73.1
12/22/2019	186	2	7	4	50.0	1.1	53.9	TW	63.6	63.6	44.4	37.4	80.0
12/23/2019	332	4	8	5	80.0	1.2	87.2	TW	61.2	61.2	34.2	38.6	75.9
12/24/2019	445	1	4	2	50.0	0.2	99.7		59.9	59.9	37.3	33.3	73.9
12/25/2019	100	0	0	0		0.0	99.7		54.5	54.5		33.7	
12/26/2019	79	1	6	3	33.3	1.3	99.6		53.4	53.4	25.4	34.0	66.4
12/27/2019	196	0	14	6	0.0	0.0	99.9		56.2	56.2		37.0	
12/28/2019	187	1	6	3	33.3	0.5	99.8		57.7	57.7	31.6	36.8	68.0
12/29/2019	378	0	2	1	0.0	0.0	97.7	TW	63.7	63.7	*	36.3	80.7
12/30/2019	254	1	9	5	20.0	0.4	29.1	TW	*	*	*	38.6	80.7
12/31/2019	212	1	6	3	33.3	0.5	99.8		62.6	62.6	35.3	38.2	81.8
Sum	7508	27	153	74	36.5	0.4	94.0	TW	58.9	58.9	35.2	33.3	82.3

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

* Availability < 50%

Reference Level Exceedances
October, 2019

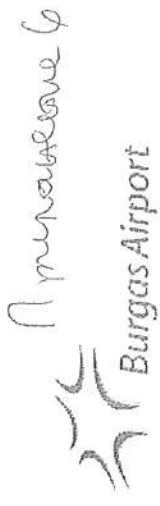
ATA/ATD	Flight Number	A/D	Runway	Aircraft Type	MP01		MP02		MP03		MP04	
					LASmax	77.4	LASmax	87.7 (+2.7)	LASmax	97.0 (+12.0)	LASmax	75.6
10/2/2019 3:10:00 PM	AZAF007	A	04	IL76	80.3	80.3	87.7 (+2.7)	81.9	97.0 (+12.0)	71.7	71.7	71.7
10/8/2019 10:59:00 AM	BUC1168	A	04	MD82								
10/30/2019 7:47:00 PM	MSI6541	A	04	AN12				85.1 (+0.1)	85.1 (+0.1)			69.6



Burgas Airport

Reference Level Exceedances
November, 2019

ATA/ATD	Flight Number	A/D	Runway	Aircraft Type	MPD1		MPD2		MPD3		MPD4	
					LASmax	LASmax	LASmax	LASmax	LASmax	LASmax	LASmax	LASmax
11/2/2019 8:34:00 AM	TZ5700	A	04	B742					90.1 (+5.1)			69.1
11/5/2019 2:44:00 PM	AZQ4512	D	22	IL76					94.7 (+9.7)			76.5
11/7/2019 12:34:00 AM	76413	D	22	IL76	74.8				102.6 (+17.6)			78.8
11/29/2019 5:59:00 AM	ADB3210	D	22	A124	71.4				91.1 (+6.1)			73.9



Reference Level Exceedances
December, 2019

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