

Disclaimer

The Port of Oakland's Airport Noise and Operations Monitoring System (ANOMS) is the source of the data used in this report. Although ANOMS is a very sophisticated computer program that provides a state-of-the-art solution for collecting aircraft noise complaints. The number of aircraft noise complaints in the report are for informational purposes. Airport staff carefully reviews the data for accuracy and will make corrections whenever possible.

Compliance Monitoring Quarterly Summary Comparison Third Quarter 2023

	2022Q3		2023Q3								
	Compl.	NC	Compl.	NC							
Runway 28R/L Jet Departure Compliance	94%	6%	94%	6%							
Total Airport-wide Corporate Jet Departures	2,326	157	2,009	128							
Runway 10R/L Jet Landing Compliance	83%	17%	96%	4%							
Total Southeast Plan Corporate Jet Landings	40	8	26	1							
North Field VFR Departure Compliance	89%	11%	95%	5%							
Total Runways 28R/L & 33 Departures	207	26	242	14							
North Field Quiet Hours Compliance	76%	24%	87%	13%							
Total North Field Quiet Hours Departures	117	37	184	28							
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%							
Total Runway 30 Turbojet Departures	18,887	3	16,391	2							
Night Time Departure Compliance	99%	1%	99%	1%							
Total Runway 30 Night Turbojet Departures	3,749	27	3,346	29							
Runway 12 Night Departure Compliance	100%	0%	100%	0%							
Total Runway 12 Night Turbojet Departures	47	0	15	0							
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%							
Total Runway 30 East Turn Departures	4,631	3	4,166	3							
100 Degree Radial Turbojet Landing Compliance	98%	2%	99%	1%							
Total 100 Degree Radial Turbojet Landings	1,112	19	932	14							
Engine Runup Program Compliance	100%	0%	82%	18%							
Total Evening and Nighttime Engine Runups	7	0	11	2							
Note: N/C means non-compliant. Percentage	/alues are r	ounded out		Note: N/C means non-compliant. Percentage values are rounded out.							

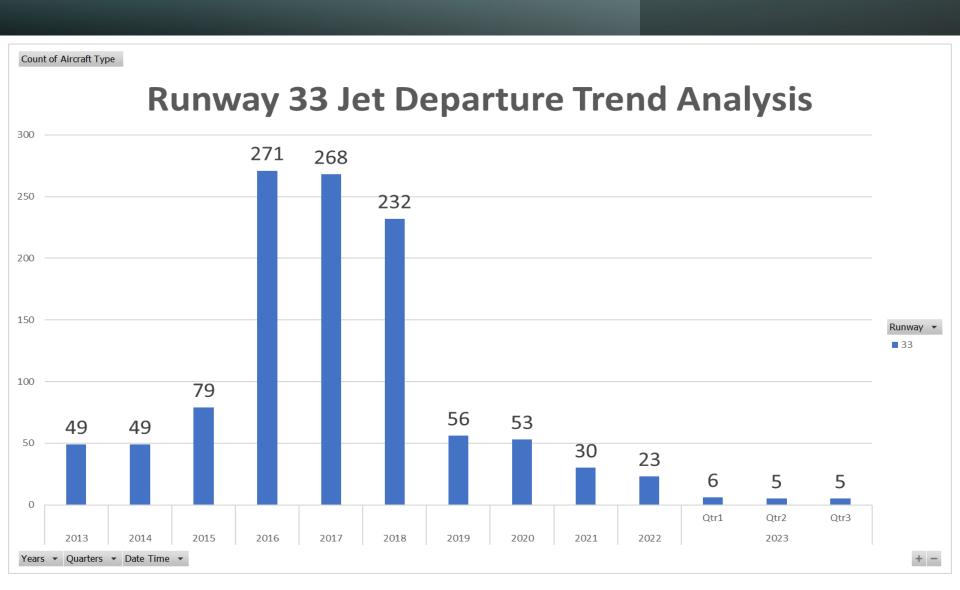


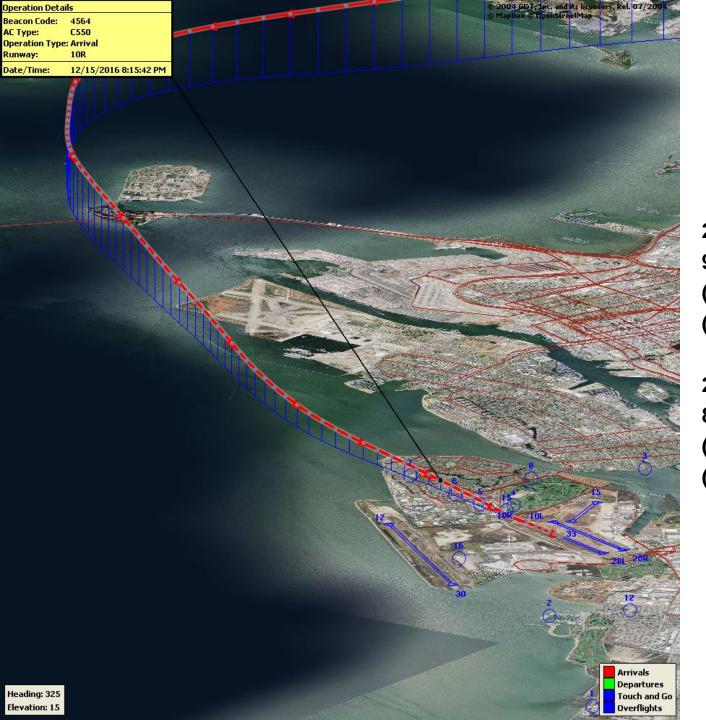
Runway 28R/L Jet Departure NAP

2023Q3
94% Compliance
(2,137 total departures)
(128 non-compliant)

2022Q3
94% Compliance
(2,483 total departures)
(157 non-compliant)

RUNWAY 33 JET DEPARTURES THIRD Quarter 2023

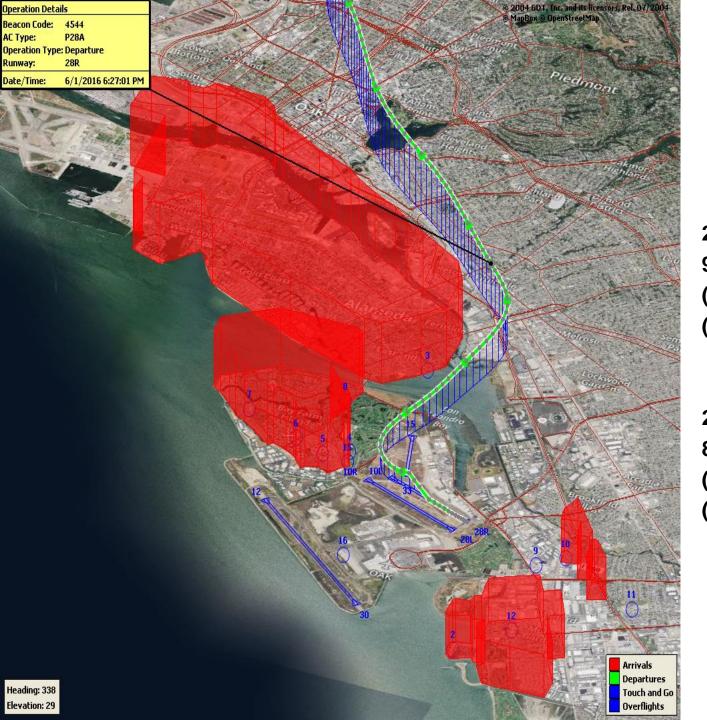




Runway 10R/L Jet Landing NAP

2023Q3 96% Compliance (27 total landings) (1 non-compliant)

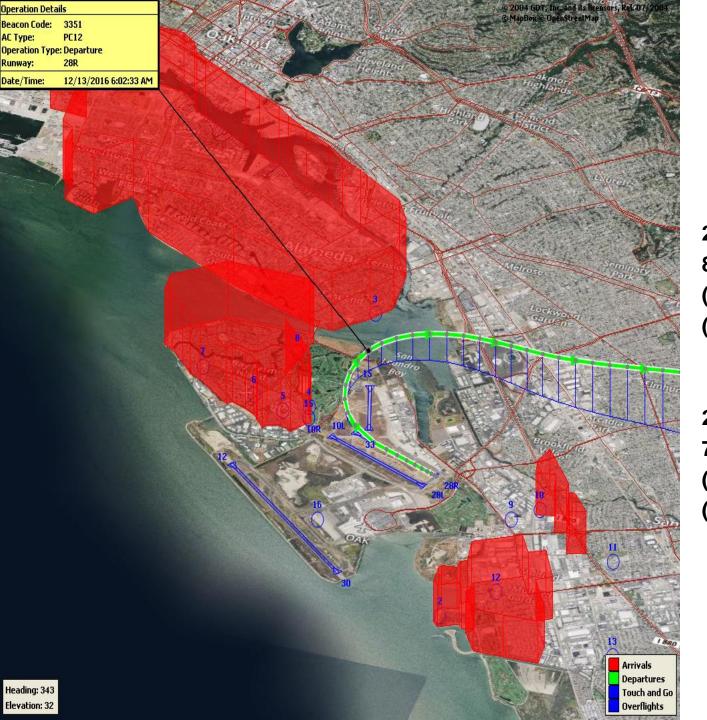
2022Q3 83% Compliance (48 total landings) (8 non-compliant)



VFR Aircraft Departure NAP

2023Q3 95% Compliance (256 total departures) (14 non-compliant)

2022Q3 89% Compliance (233 total departures) (26 non-compliant)

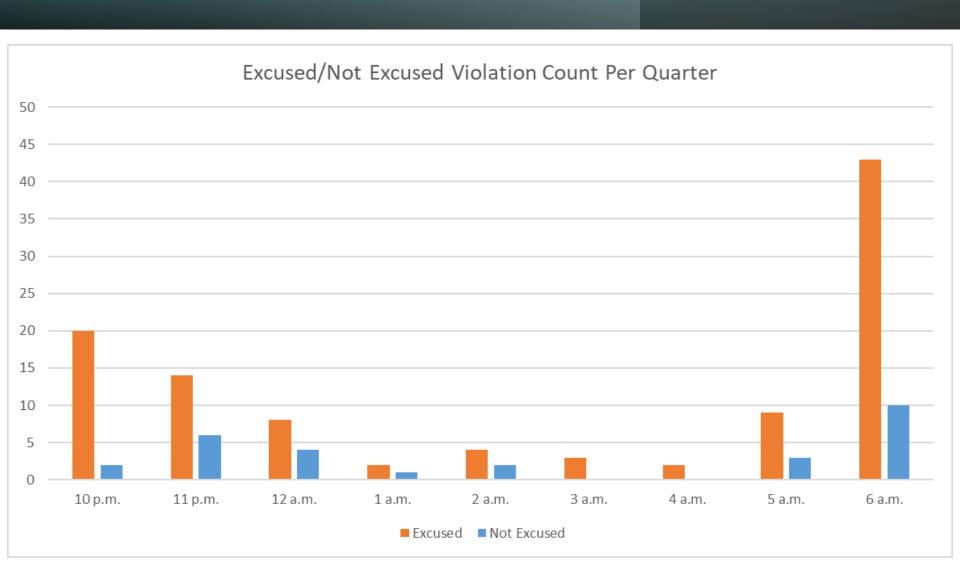


North Field Quiet Hours NAP

2023Q3 87% Compliance (212 total departures) (28 non-compliant)

2022Q3
76% Compliance
(154 total departures)
(37 non-compliant)

Quartely North Field Quiet Hours NAP Non-Compliant Per Quarter



© 2004 GDT, Inc. and its licensors, Rel. 07/2004 © MapBox © OpenStreetMap Operation Details Beacon Code: B737 AC Type: Operation Type: Departure Runway: 8/22/2017 10:16:59 PM Date/Time: Arrivals Departures Heading: 349 Touch and Go Elevation: 59 Overflights

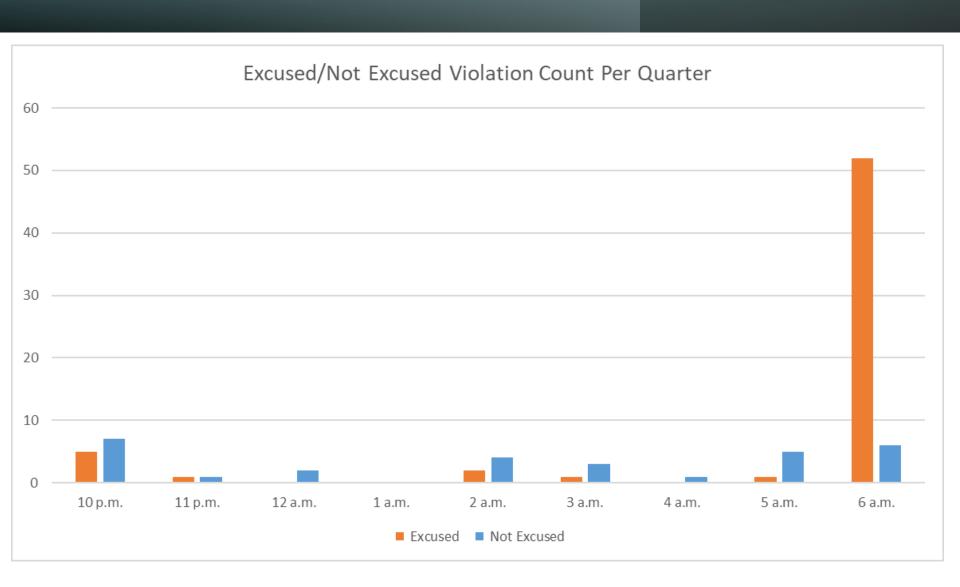
Night Time Departure NAP

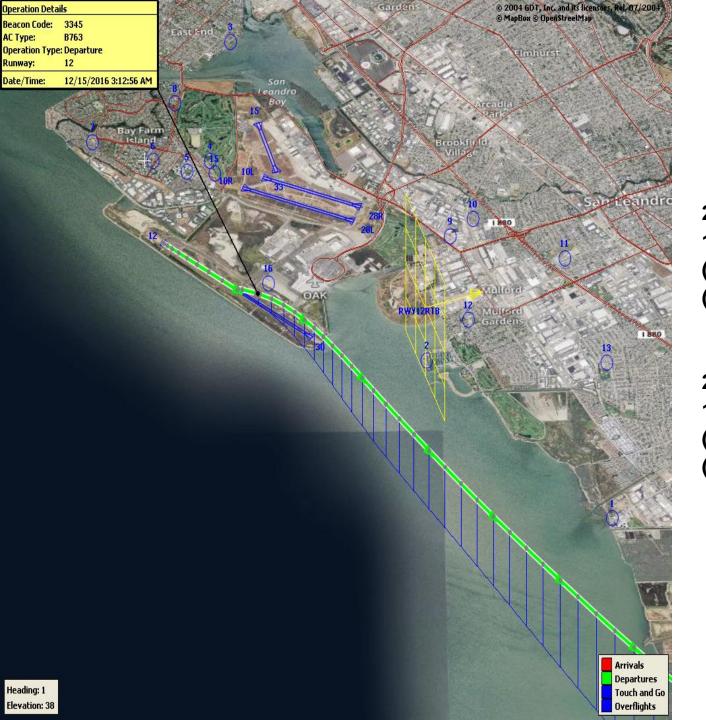
2023Q3 99% Compliance (3,375 total departures) (29 non-compliant)

*REBAS Gate non-compliant = 24

2022Q3 99% Compliance (3,776 total departures) (27 non-compliant)

Quarterly Night Time NAP Non-Compliant Count Per Quarter



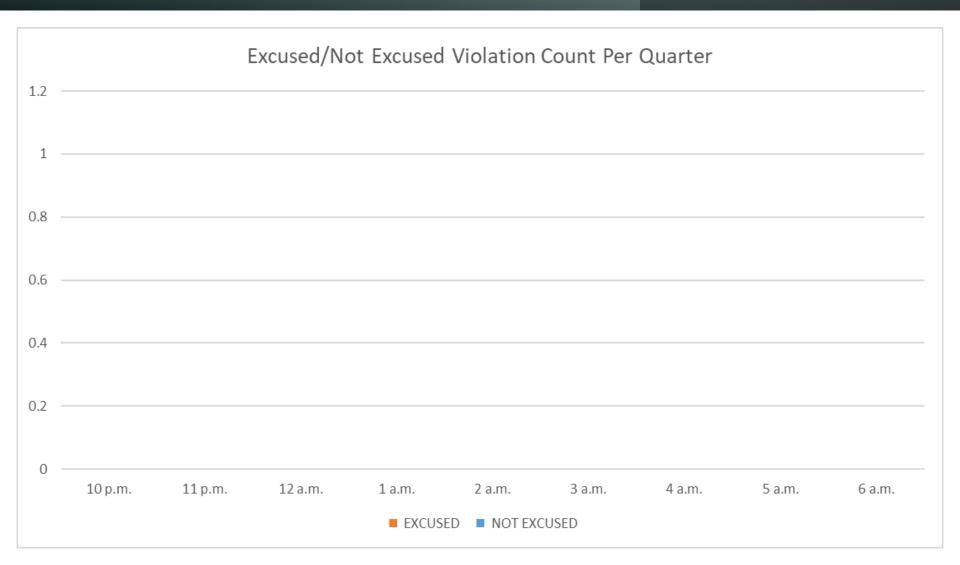


Runway 12 Night Departure NAP

2023Q3 100% Compliance (15 total departures) (0 non-compliant)

2022Q3 100% Compliance (47 total departures) (0 non-compliant)

Quartely Runway 12 Night Departure Non-Compliant Count Per Quarter





Runway 30 Bay Farm Right Turn NAP

2023Q3 100% Compliance (16,393 total departures) (2 non-compliant)

2022Q3 100% Compliance (18,890 total departures) (3 non-compliant)

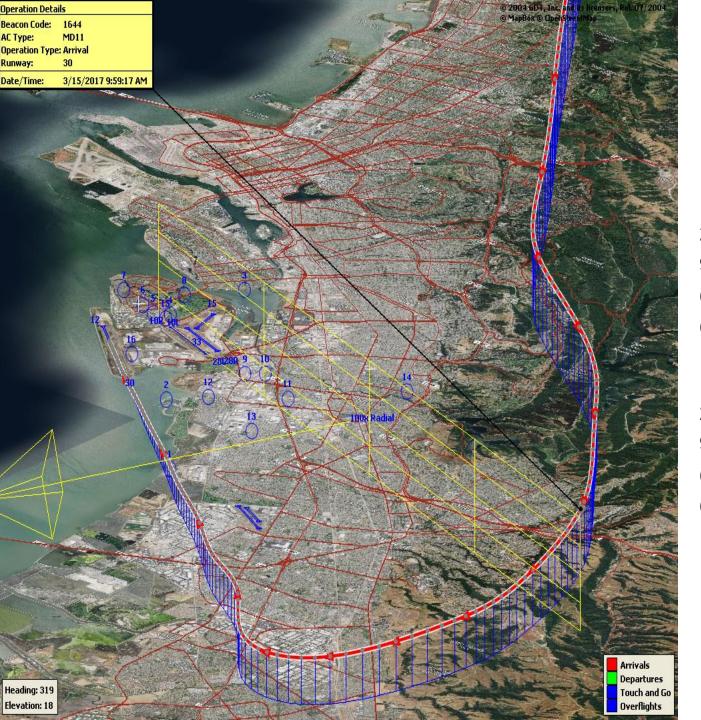
2004 GDT, Inc. and its licensors, Rel. 07/2004 MapBox © OpenStreetMap Operation Details Beacon Code: 3777 B737 AC Type: Operation Type: Departure Runway: 3/15/2017 9:53:47 AM Date/Time: Arrivals Departures Heading: 328 Touch and Go Elevation: 21 Overflights

Runway 30 East Turn NAP

2023Q3 100% Compliance (4,169 total departures) (3 non-compliant)

*Excused Departures = 20

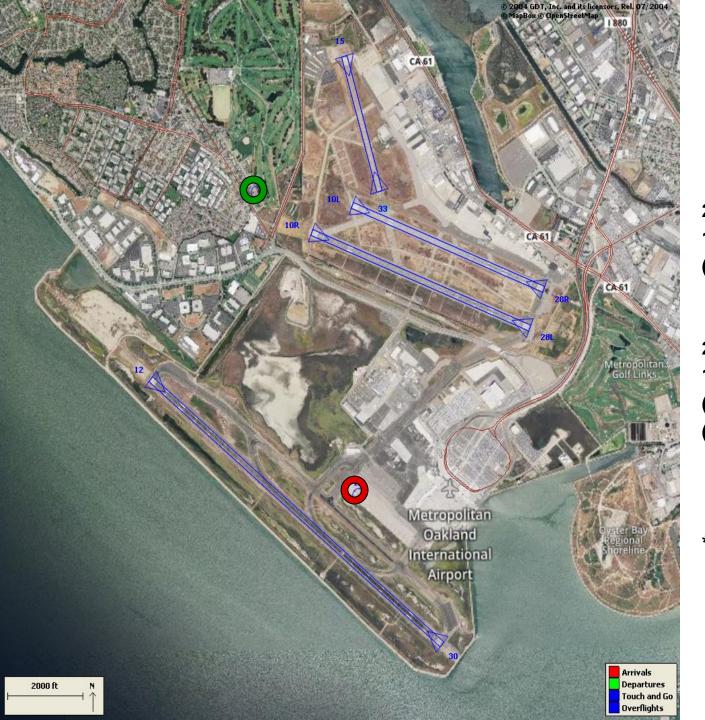
2022Q3 100% Compliance (4,634 total departures) (3 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2023Q3 99% Compliance (946 total landings) (14 non-compliant)

2022Q3 98% Compliance (1,131 total landings) (19 non-compliant)



Engine Run-up NAP

2023Q3 100% Compliance (13 engine run-ups)* (2 non-compliant)

2022Q3 100% Compliance (7 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison Second Quarter 2023 - Quarter-to-Quarter

	2023Q2		202	3Q3
	Compl.	NC	Compl.	N/C
Runway 28R/L Jet Departure Compliance	93%	7%	94%	6%
Total Airport-wide Corporate Jet Departures	2,061	159	2,009	128
Runway 10R/L Jet Landing Compliance	75%	25%	96%	4%
Total Southeast Plan Corporate Jet Landings	36	12	26	1
North Field VFR Departure Compliance	96%	4%	95%	5%
Total Runways 28R/L & 33 Departures	249	11	242	14
North Field Quiet Hours Compliance	86%	14%	87%	13%
Total North Field Quiet Hours Departures	168	28	184	28
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 Turbojet Departures	16,661	2	16,391	2
Night Time Departure Compliance	99%	1%	99%	1%
Total Runway 30 Night Turbojet Departures	3,571	46	3,346	29
Runway 12 Night Departure Compliance	96%	4%	100%	0%
Total Runway 12 Night Turbojet Departures	64	3	15	0
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 East Turn Departures	3,953	1	4,166	3
100 Degree Radial Turbojet Landing Compliance	98%	2%	99%	1%
Total 100 Degree Radial Turbojet Landings	749	13	932	14
Engine Runup Program Compliance	100%	0%	82%	18%
Total Evening and Nighttime Engine Runups	9	0	11	2

Note: N/C means non-compliant. Percentage values are rounded out.

Table 1. North Field Night Aircraft Departure SEL Noise Measurements

Total Aircraft Departures = 212

Third Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA			A	Aircraft Noise Events SEL 85 - 89.9 dBA			Aircraft Noise Events SEL ≥ 90 dBA			
Number	Events Below SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events	
1	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	
2	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	
3	36	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	37	
4	57	45	0.5	7.9%	36	0.4	6.3%	58	0.6	10.2%	196	
5	74	19	0.2	3.4%	12	0.1	2.1%	69	0.8	12.2%	174	
6	59	6	0.1	1.1%	21	0.2	3.7%	58	0.6	10.2%	144	
7	17	16	0.2	2.8%	48	0.5	8.5%	17	0.2	3.0%	98	
8	63	30	0.3	5.3%	3	0.0	0.5%	0	0.0	0.0%	96	
9	1	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	2	
10	35	3	0.0	0.5%	1	0.0	0.2%	1	0.0	0.2%	40	
11	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	
12	1	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	1	
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	
14	22	1	0.0	0.2%	1	0.0	0.2%	1	0.0	0.2%	25	
All NMTs	365	122	1	0	122	1	0	204	2	0	813	

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 211

Third Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA		Aircraft Noise Events SEL 85 - 89.9 dBA			Aircraft Noise Events SEL ≥ 90 dBA			Total Aircraft	
Number	SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events
3	36	1	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	37
4	57	45	0.5	18.8%	36	0.4	15.1%	58	0.6	24.3%	196
5	74	19	0.2	7.9%	12	0.1	5.0%	69	0.8	28.9%	174
6	59	6	0.1	2.5%	21	0.2	8.8%	58	0.6	24.3%	144
7	17	16	0.2	6.7%	48	0.5	20.1%	17	0.2	7.1%	98
8	63	30	0.3	12.6%	3	0.0	1.3%	0	0.0	0.0%	96
Total	306	117	1.3		120	1.3		202	2.2		745

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 1

Third Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	SEL 60 - 64.9 UBA		Α	Aircraft Noise Events SEL 85 - 89.9 dBA		Aircraft Noise Events SEL ≥ 90 dBA			Total Aircraft	
Number	SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events
2	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
9	1	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	2
10	35	3	0.0	0.9%	1	0.0	0.3%	1	0.0	0.3%	40
11	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
12	1	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	1
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
14	22	1	0.0	0.3%	1	0.0	0.3%	1	0.0	0.3%	25
Total	59	5	0.1		2	0.0		2	0.0		68

The Rolling Take-Off Night Procedure Report (1:00 to 5:00 AM) is dependent on back-blast data collected by the noise monitor deployed at the San Leandro Marina (NMT #2). Due to construction work at the San Leandro Marina, the noise monitor had to be removed on <u>April 20, 2023</u>. The monitor will be redeployed once works are complete. This report cannot be created.

Rolling Take-off Night Departure Procedure (1:00 to 5:00 AM) Third Quarter 2022, NMT 2

	Airo Depai	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)	
		Basel	ine (November 200	2) [A]			
DC10/MD10		87	32	69	78	22	
MD11		32	13	70	79	24	
A306		67	21	67	77	25	
		Т	hird Quarter 2022 [B]			
	Total [X]	Est. Avg. Monthly [X/3]					
B763	297	99	21	65	73	13	
DC10/MD10	6	2	-	-	-	-	
MD11	223	74	63	65	73	12	
A306	13	4	1	63	70	6	
B757	221	74	29	63	74	13	
B77L	125	42	3	66	74	15	
Difference [A-B]							
DC10/MD10		-85	-32	-69	-78	-22	
MD11		42	50	-5	-6	-12	
A306		-63	-20	-4	-7	-19	

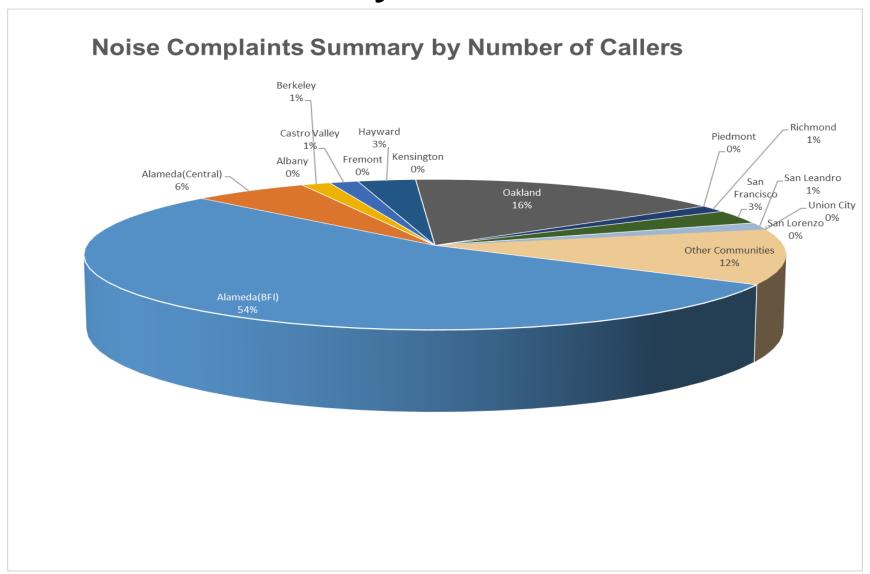
⁽a) For the current calendar quarter reported, ANOMS does not correlate all departures to their respective noise events; that is most, but not all, aircraft back-blast noise events are effectively correlated as the program software algorithms may misidentify an aircraft noise event.

Source: ANOMS (Airport Noise and Operations Monitoring System)

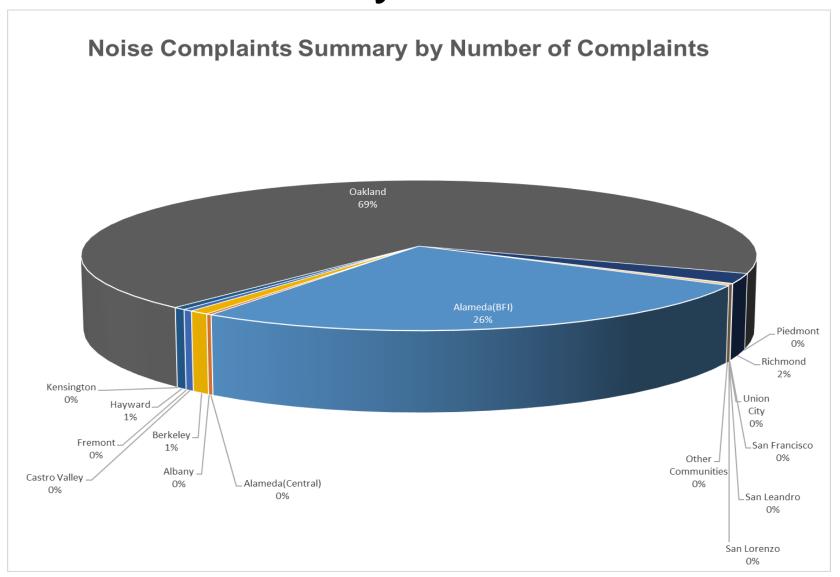
Oakland International Airport Noise Complaint Summary July 2023

July 2023						
Community	Callers	Complaints				
Alameda(BFI)	36	971				
Alameda(Central)	4	9				
Albany	0	0				
Berkeley	1	32				
Castro Valley	1	16				
Fremont	0	0				
Hayw ard	2	20				
Kensington	0	0				
Oakland	11	2583				
Piedmont	0	0				
Richmond	1	79				
San Francisco	2	2				
San Leandro	1	1				
Union City	0	0				
San Lorenzo	0	0				
Other Communities	8	14				
Total	67	3727				
Co	omplaints by Type					
E-mail	2	471				
View point App	1.	256				
Comp	laints by Time of Day					
Day (0700 - 1900)	5	591				
Evening (1900 - 2200)	Ş	982				
Night (2200 - 0700)		154				
Complair	nts by Type of Operation					
Arrivals	2	2353				
Departures	1.	289				
Over-flights		13				
Touch & Go		72				
Not Linked to an Operation		0				
Compla	ints by Type of Aircraft					
Business Jet	1	179				
Helicopter	28					
Jet	3262					
Military	0					
Not Reported (not linked to an aircraft)	0					
Other (Type information not available)	18					
Propeller	1	193				
Turbo-prop		47				

Number of Callers July 2023



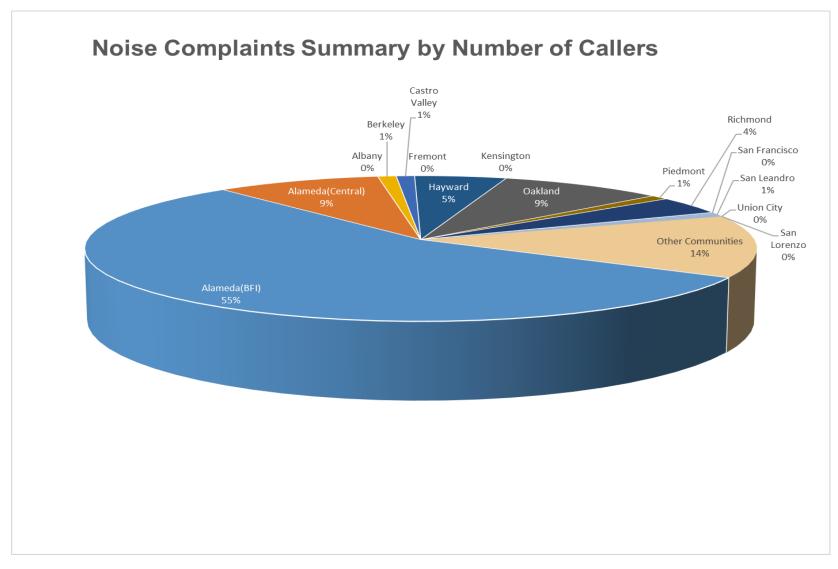
Number of Complaints July 2023



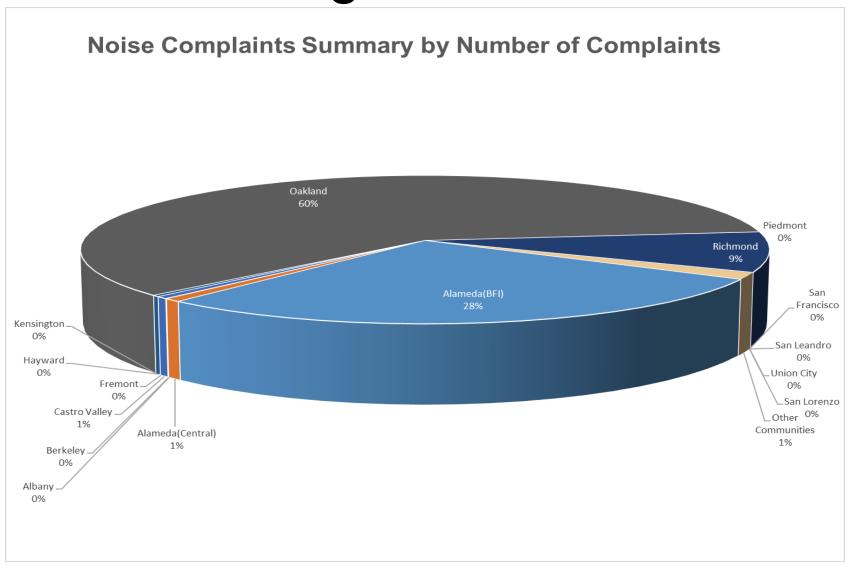
Oakland International Airport Noise Complaint Summary August 2023

August 2023						
Community	Callers	Complaints				
Alameda(BFI)	56	1340				
Alameda(Central)	9	35				
Albany	0	0				
Berkeley	1	2				
Castro Valley	1	24				
Fremont	0	0				
Hayw ard	5	15				
Kensington	0	0				
Oakland	9	2876				
Piedmont	1	1				
Richmond	4	417				
San Francisco	0	0				
San Leandro	1	4				
Union City	0	0				
San Lorenzo	0	0				
Other Communities	14	69				
Total	101	4783				
Coi	mplaints by Type					
E-mail	30	056				
View point App	1	727				
Compl	aints by Time of Day					
Day (0700 - 1900)	8	343				
Evening (1900 - 2200)	5	i35				
Night (2200 - 0700)	34	405				
Com plain	ts by Type of Operation					
Arrivals	30	004				
Departures	10	624				
Over-flights		72				
Touch & Go	;	83				
Not Linked to an Operation		0				
Com plai	nts by Type of Aircraft					
Business Jet	1	95				
Helicopter	59					
Jet	4193					
Military	0					
Not Reported (not linked to an aircraft)	0					
Other (Type information not available)	26					
Propeller		208				
Turbo-prop	1	02				

Number of Callers August 2023



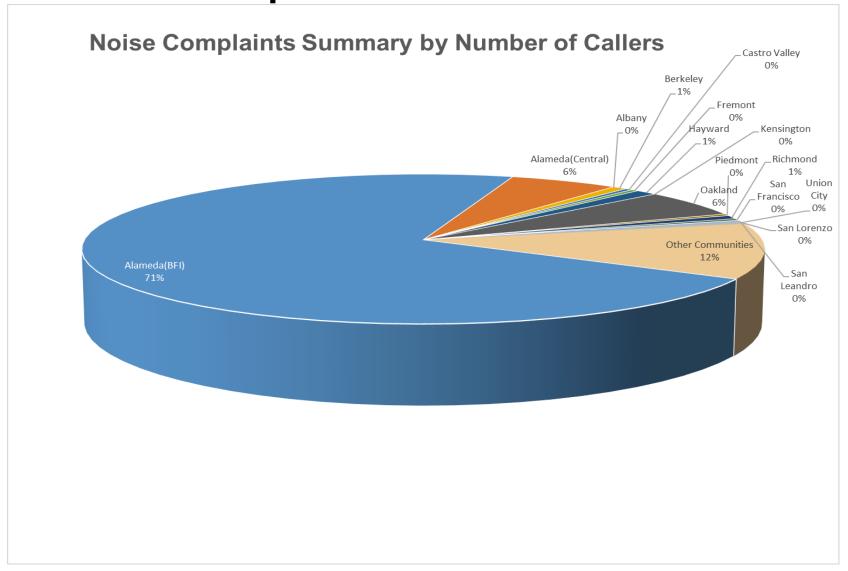
Number of Complaints August 2023



Oakland International Airport Noise Complaint Summary September 2023

September 2023						
Community	Callers	Complaints				
Alameda(BFI)	185	5299				
Alameda(Central)	15	60				
Albany	0	0				
Berkeley	2	79				
Castro Valley	1	48				
Fremont	1	1				
Hayw ard	3	10				
Kensington	0	0				
Oakland	15	3252				
Piedmont	1	2				
Richmond	2	124				
San Francisco	1	1				
San Leandro	1	1				
Union City	0	0				
San Lorenzo	1	1				
Other Communities	31	159				
Total	259	9037				
Co	mplaints by Type					
E-mail	4	781				
View point App	4	256				
Comp	laints by Time of Day					
Day (0700 - 1900)	2	2355				
Evening (1900 - 2200)	!	948				
Night (2200 - 0700)		5734				
Com plair	nts by Type of Operation					
Arrivals	3302					
Departures	5461					
Over-flights	96					
Touch & Go	,	178				
Not Linked to an Operation		0				
Compla	ints by Type of Aircraft					
Business Jet	529					
Helicopter	70					
Jet	7679					
Military		0				
Not Reported (not linked to an aircraft)	0					
Other (Type information not available)	28					
Propeller		515				
Turbo-prop	:	216				

Number of Callers September 2023



Number of Complaints September 2023

