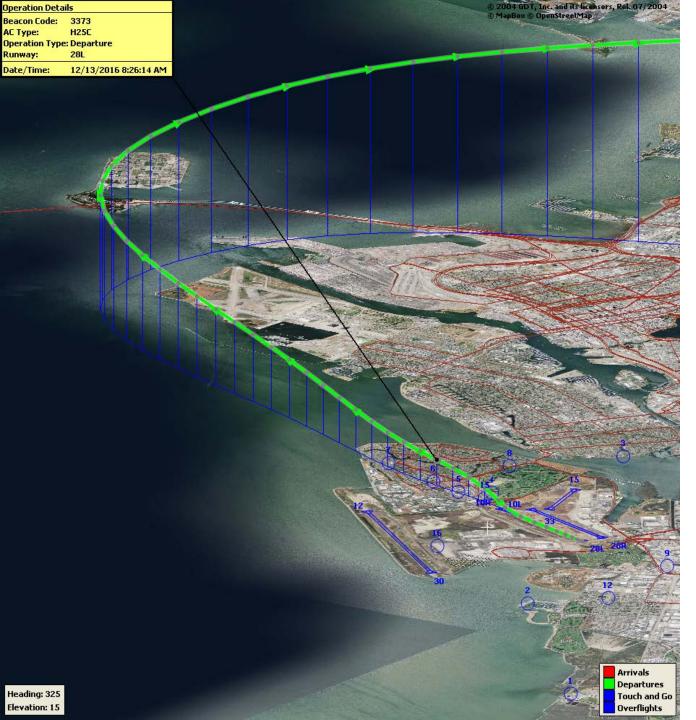
NOISE FORUM SUMMARY

North/South Field Working Groups

NOISE ABATEMENT REPORT THIRD QUARTER 2017

Compliance Monitoring Quarterly Summary Comparison Third Quarter 2017						
	201	6Q3	201	7Q3		
	Compl.	N/C	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	92%	8%	95%	5%		
Total Airport-wide Corporate Jet Departures	2,290	205	2,742	155		
Runway 10R/L Jet Landing Compliance	100%	0%	100%	0%		
Total Southeast Plan Corporate Jet Landings	13	0	0	0		
North Field VFR Departure Compliance	98%	2%	98%	2%		
Total Runways 28R/L & 33 Departures	387	8	534	9		
North Field Quiet Hours Compliance	63%	37%	88%	12%		
Total North Field Quiet Hours Departures	100	60	409	54		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	17,699	1	18,623	3		
Night Time Departure Compliance	98%	2%	96%	4%		
Total Runway 30 Night Turbojet Departures	3,265	57	3,570	165		
Runway 12 Night Departure Compliance	0%	100%	75%	25%		
Total Runway 12 Night Turbojet Departures	0	1	3	1		
Runway 30 East Turn Departure Compliance	97%	3%	100%	0%		
Total Runway 30 East Turn Departures	5,635	164	5,878	20		
100 Degree Radial Turbojet Landing Compliance	95%	5%	96%	4%		
Total 100 Degree Radial Turbojet Landings	2,386	138	2,745	109		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups	21	0	12	0		

Link to full report: http://flyquietoak.com/pages/reports/quarterly_noise_compliance.html



Runway 28R/L Jet Departure NAP

2017Q3 95% Compliance (2,897 total departures) (155 non-compliant)

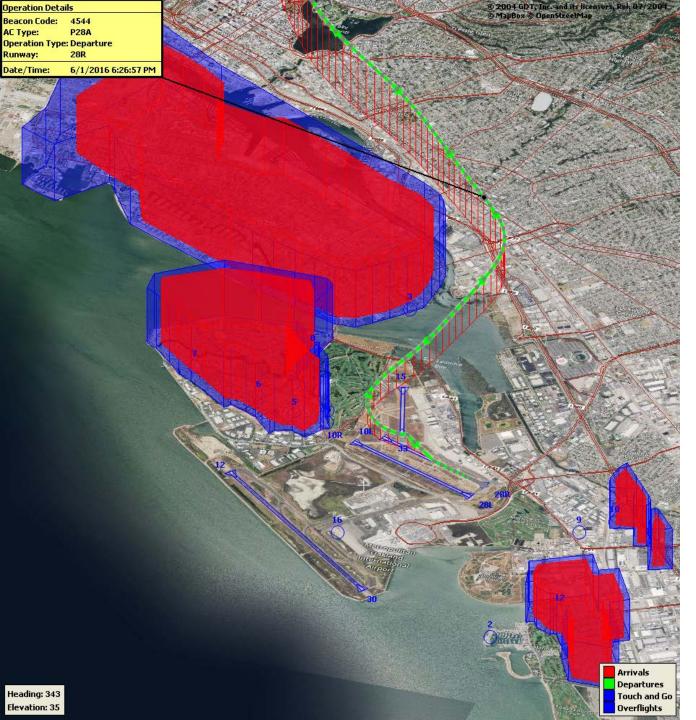
2016Q3 92% Compliance (2,495 total departures) (205 non-compliant)



Runway 10R/L Jet Landing NAP

2017Q3 100% Compliance (0 total landings) (0 non-compliant)

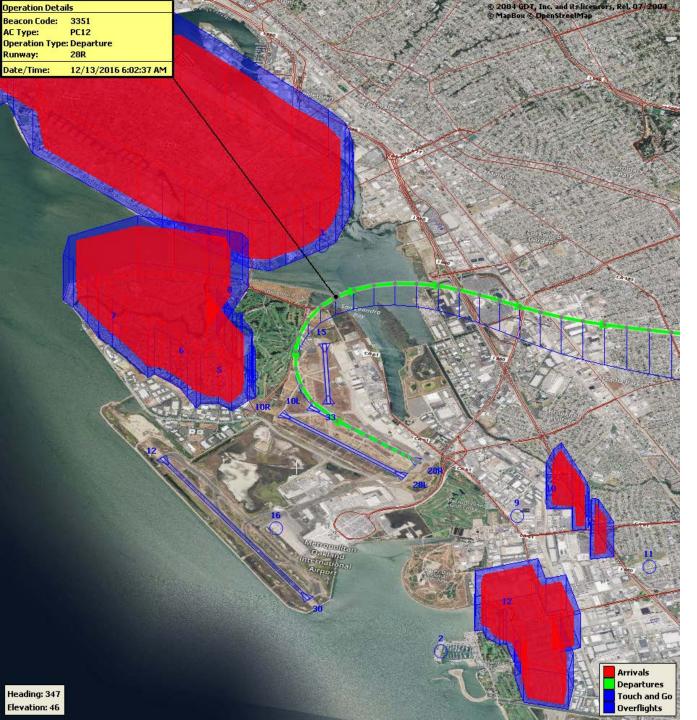
2016Q3 100% Compliance (13 total landings) (0 non-compliant)



VFR Aircraft Departure NAP

2017Q3 98% Compliance (543 total departures) (9 non-compliant)

2016Q3 98% Compliance (395 total departures) (8 non-compliant)



North Field Quiet Hours NAP

2017Q3 88% Compliance (463 total departures) (54 non-compliant)

2016Q3 63% Compliance (160 total departures) (60 non-compliant)



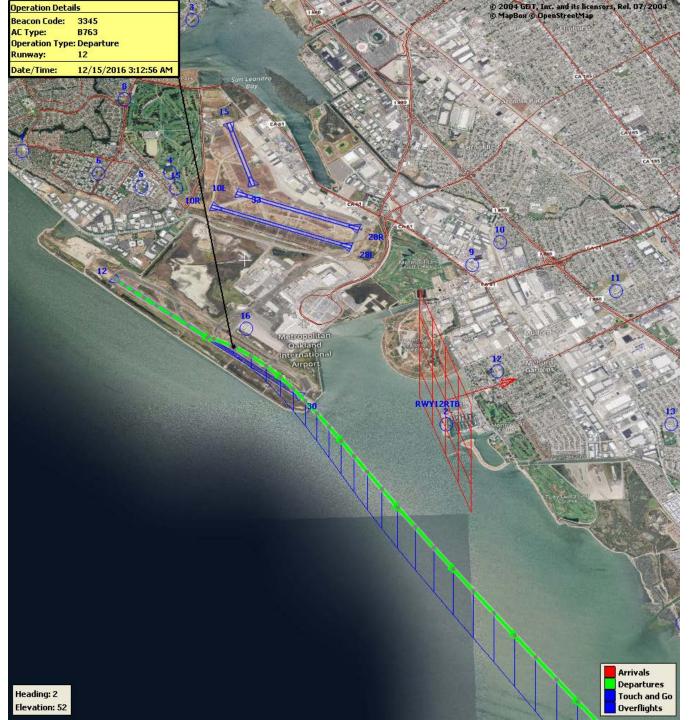
Night Time Departure NAP

2017Q3* 96% Compliance (3,735 total departures) (165 non-compliant)

*Runway Rehabilitation Project Sept. 4th to Oct. 2nd

2016Q3** 98% Compliance (3,322 total departures) (57 non-compliant)

**REBAS Gate added 2017Q2



Runway 12 Night Departure NAP

2017Q3 75% Compliance (4 total departures) (1 non-compliant)

2016Q3 0% Compliance (1 total departures) (1 non-compliant)



Runway 30 Bay Farm Right Turn NAP

2017Q3 100% Compliance (18,626 total departures) (3 non-compliant)

2016Q3 100% Compliance (17,700 total departures) (1 non-compliant)



Runway 30 East Turn NAP

2017Q3 100% Compliance (5,898 total departures) (20 non-compliant)

* Excused Departures = 111

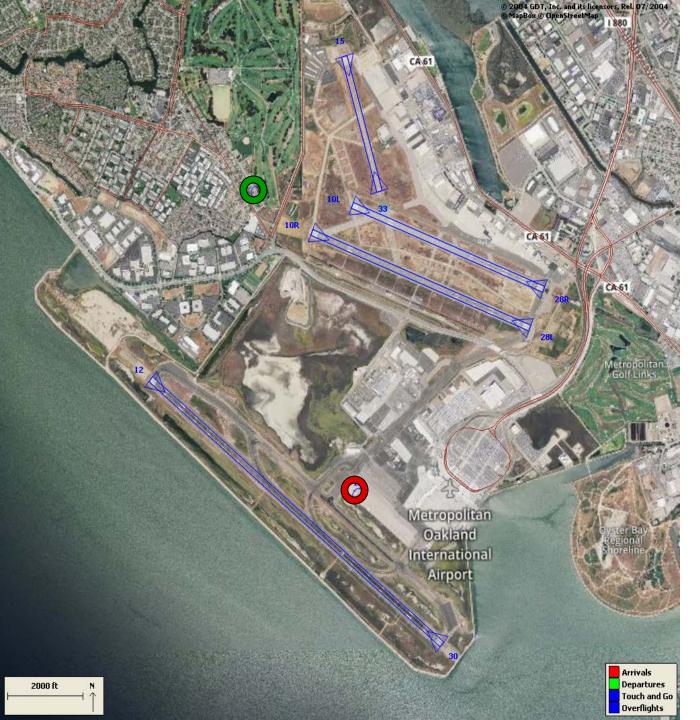
2016Q3 97% Compliance (5,799 total departures) (164 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2017Q3 96% Compliance (2,854 total landings) (109 non-compliant)

2016Q3 95% Compliance (2,524 total landings) (138 non-compliant)



Engine Run-up NAP

2017Q3 100% Compliance (12 engine run-ups)* (0 non-compliant)

2016Q3 100% Compliance (21 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

	Table 1. North Field Night Aircraft Departure SEL Noise Measurements Total Aircraft Departures = 258										
	Third Quarter 2017 (10:00 p.m. to 7:00 a.m.)										
NMT	Aircraft Noise	A	ircraftNoise SEL 80 - 84		Α	ircraft Nois SEL 85 - 89		Aircraft Noise Events SEL ≥ 90 dBA			Total Aircraft
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	2	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	3
2	17	5	0.1	0.9%	0	0.0	0.0%	0	0.0	0.0%	22
3	48	4	0.0	0.7%	0	0.0	0.0%	0	0.0	0.0%	52
4	63	54	0.6	9.5%	63	0.7	11.1%	53	0.6	9.3%	233
5	55	38	0.4	6.7%	32	0.4	5.6%	73	0.8	12.9%	198
6	31	27	0.3	4.8%	45	0.5	7.9%	45	0.5	7.9%	148
7	44	35	0.4	6.2%	47	0.5	8.3%	2	0.0	0.4%	128
8	57	32	0.4	5.6%	3	0.0	0.5%	1	0.0	0.2%	93
9	3	2	0.0	0.4%	3	0.0	0.5%	3	0.0	0.5%	11
10	17	7	0.1	1.2%	1	0.0	0.2%	0	0.0	0.0%	25
11	0	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	1
12	8	2	0.0	0.4%	1	0.0	0.2%	0	0.0	0.0%	11
13	2	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	2
14	2	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	2
AllNMTs	349	208	2	0	195	2	0	177	2	0	929

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 251											
				Third Qua	rter 2017 (1	0:00 p.m. t	o 7:00 a.m.)				
NMT	Aircraft Noise	А	ircraft Nois SEL 80 - 84		Α	Aircraft Noise Events SEL 85 - 89.9 dBA		Α	ircraft Nois SEL ≥ 90		Total Aircraft
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
3	48	4	0.0	1.7%	0	0.0	0.0%	0	0.0	0.0%	52
4	63	54	0.6	22.6%	63	0.7	26.4%	53	0.6	22.2%	233
5	55	38	0.4	15.9%	32	0.4	13.4%	73	0.8	30.5%	198
6	31	27	0.3	11.3%	45	0.5	18.8%	45	0.5	18.8%	148
7	44	35	0.4	14.6%	47	0.5	19.7%	2	0.0	0.8%	128
8	57	32	0.4	13.4%	3	0.0	1.3%	1	0.0	0.4%	93
Total	298	190	2.1		190	2.1		174	1.9		852
_	Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 7 Third Quarter 2017 (10:00 p.m. to 7:00 a.m.)										
NMT	Aircraft Noise	e 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	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
2	17	5	0.1	1.5%	0	0.0	0.0%	0	0.0	0.0%	22

			•	•		-	•		•	•	
2	17	5	0.1	1.5%	0	0.0	0.0%	0	0.0	0.0%	22
9	3	2	0.0	0.6%	3	0.0	0.9%	3	0.0	0.9%	11
10	17	7	0.1	2.1%	1	0.0	0.3%	0	0.0	0.0%	25
11	0	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	1
12	8	2	0.0	0.6%	1	0.0	0.3%	0	0.0	0.0%	11
13	2	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	2
14	2	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	2
Total	49	17	0.2		5	0.1		3	0.0		74

	Rollin		Departure Proce d Quarter 2017, N	•	0 AM)		
	Aircraft Departures		Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)	
		Base	line (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 2017 [B]		•	
	Total [X]	Est. Avg. Monthly [X/3]					
B763	174	58	3	63	70	7	
DC10/MD10	64	21	12	65	74	13	
MD11	218	73	69	66	74	13	
A306	114	38	5	63	72	11	
B757	178	59	11	63	73	10	
B77L	65	22	9	64	72	13	
Difference [A-B]							
DC10/MD10		-66	-20	-4	-4	-9	
MD11		41	56	-4	-5	-11	
A306		-29	-16	-4	-5	-14	

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)

	Rollin		Departure Proce d Quarter 2016, N	edure (1:00 to 5:00 MT 2	0 AM)		
	Airc Depai	craft rtures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)	
		Base	ine (November 200	02) [A]			
DC10/MD10		87	32	69	78	22	
MD11		32	13	70	79	24	
A306		67	21	67	77	25	
Third Quarter 2016 [B]							
	Total [X]	Est. Avg. Monthly [X/3]					
B763	113	38	4	65	73	11	
DC10/MD10	71	24	14	65	73	13	
MD11	203	68	53	65	73	12	
A306	115	38	9	65	72	10	
B757	183	61	10	65	75	17	
B77L	78	26	4	69	77	26	
Difference [A-B]							
DC10/MD10		-63	-18	-4	-5	-9	
MD11		36	40	-5	-6	-12	
A306		-29	-12	-2	-5	-15	

back-blast noise events are effectively correlated as the program software algorithms may misidentify an aircraft noise event.

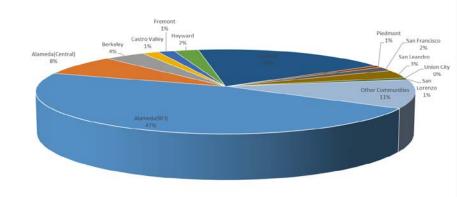
Source: ANOMS (Airport Noise and Operations Monitoring System)

Oakland International Airport Noise Complaint Summary July 2017

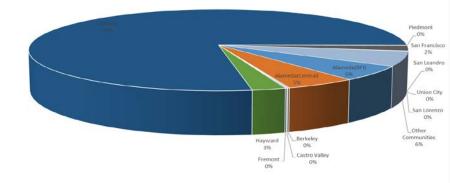
Community	Callers	Complaints					
Alameda(BFI)	60	255					
Alameda(Central)	10	234					
Berkeley	5	6					
Castro Valley	2	3					
Fremont	2	5					
Hayw ard	3	111					
Oakland	24	3366					
Piedmont	1	10					
San Francisco	2	88					
San Leandro	4	5					
Union City	0	0					
San Lorenzo	1	1					
Other Communities	14	255					
Total	128	4339					
Complaints by Time of Day							
Day(0700 - 1900)	1	853					
Evening (1900 - 2200)	313						
Night(2200 - 0700)	2	173					
Complain	ts by Type of Operation						
Arrivals	3	433					
Departures	810						
Over-flights		72					
Touch & Go		5					
Not Linked to an Operation		19					
Compla	ints by Type of Aircraft						
Business Jet		109					
Helicopter	31						
Jet	3605						
Military	0						
Not Reported		19					
Other		21					
Propeller		252					
Turbo-prop	:	302					

Noise Complaint Summary July 2017

Noise Complaints Summary by Number of Callers





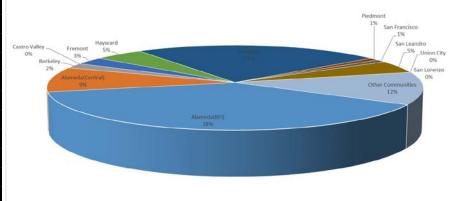


Oakland International Airport Noise Complaint Summary August 2017

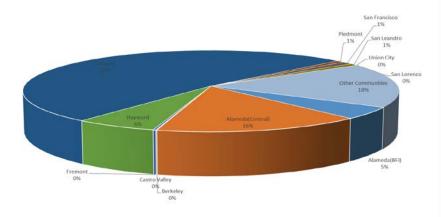
Community	Callers	Complaints					
Alameda(BFI)	40	115					
Alameda(Central)	10	383					
Berkeley	2	2					
Castro Valley	0	0					
Fremont	3	5					
Hayw ard	5	152					
Oakland	25	1256					
Piedmont	1	17					
San Francisco	1	25					
San Leandro	5	19					
Union City	0	0					
San Lorenzo	0	0					
Other Communities	13	423					
Total	105	2397					
Complaints by Time of Day							
Day(0700 - 1900)	1	068					
Evening(1900 - 2200)	360						
Night(2200 - 0700)	969						
Complair	ts by Type of Operation						
Arrivals	1	314					
Departures	9	976					
Over-flights		83					
Touch & Go		5					
Not Linked to an Operation		19					
Compla	ints by Type of Aircraft						
Business Jet		113					
Helicopter	30						
Jet	1804						
Military		1					
Not Reported	14						
Other	19						
Propeller		171					
Turbo-prop		245					

Noise Complaint Summary August 2017

Noise Complaints Summary by Number of Callers



Noise Complaints Summary by Number of Complaints



Oakland International Airport Noise Complaint Summary September 2017

Community	Callers	Complaints					
Alameda(BFI)	225	1005					
Alameda(Central)	17	304					
Berkeley	7	13					
Castro Valley	23	34					
Fremont	2	12					
Hayward	91	310					
Oakland	32	2962					
Piedmont	2	3					
San Francisco	3	175					
San Leandro	54	153					
Union City	0	0					
San Lorenzo	8	8					
Other Communities	28	423					
Total	492	5402					
Complaints by Time of Day							
Day(0700 - 1900)	1	1475					
Evening(1900 - 2200)		947					
Night(2200 - 0700)	2	2980					
Comp	laints by Type of Operation						
Arrivals	3	3258					
Departures	2	2019					
Over-flights		121					
Touch & Go		4					
Not Linked to an Operation		0					
Com	plaints by Type of Aircraft						
Business Jet		431					
Helicopter		61					
Jet	4	4413					
Military		0					
Not Reported		0					
Other		27					
Propeller		229					
Turbo-prop		241					

Noise Complaint Summary September 2017

Noise Complaints Summary by Number of Callers

