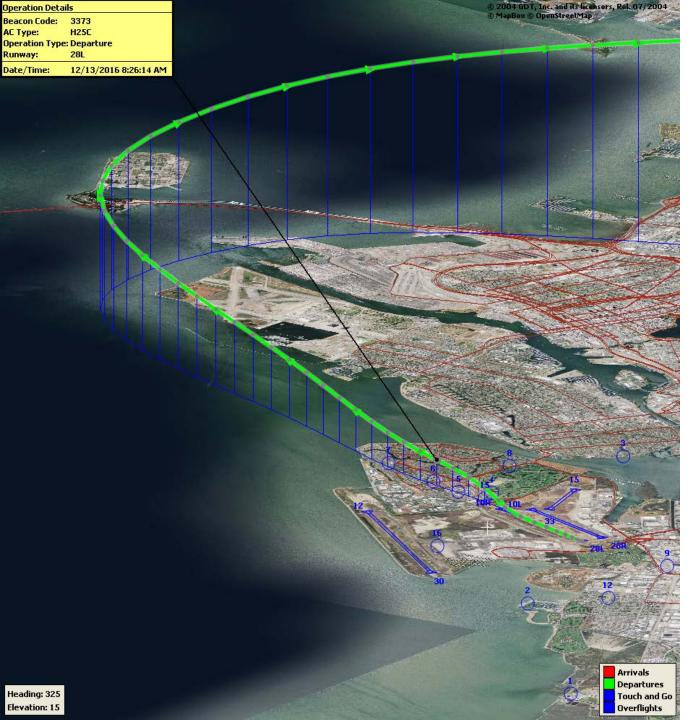
NOISE FORUM SUMMARY

North/South Field Working Groups

NOISE ABATEMENT REPORT SECOND QUARTER 2017

Compliance Monitoring C Second	uarterly Sumn Quarter 2017	nary Comparis	on		
	2010	6Q2	2017Q2		
	Compl.	N/C	Compl.	N/C	
Runway 28R/L Jet Departure Compliance	89%	11%	90%	10%	
Total Airport-wide Corporate Jet Departures	2,533	306	2,727	312	
Runway 10R/L Jet Landing Compliance	100%	0%	69%	31%	
Total Southeast Plan Corporate Jet Landings	10	0	44	20	
North Field VFR Departure Compliance	97%	3%	97%	3%	
Total Runways 28R/L & 33 Departures	557	19	572	18	
North Field Quiet Hours Compliance	79%	21%	83%	17%	
Total North Field Quiet Hours Departures	180	48	182	37	
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%	
Total Runway 30 Turbojet Departures	17,218	11	17,618	5	
Night Time Departure Compliance	98%	2%	99%	1%	
Total Runway 30 Night Turbojet Departures	3,353	59	3,324	27	
Runway 12 Night Departure Compliance	100%	0%	83%	17%	
Total Runway 12 Night Turbojet Departures	11	0	62	13	
Runway 30 East Turn Departure Compliance	96%	4%	99%	1%	
Total Runway 30 East Turn Departures	4,919	214	5,363	27	
100 Degree Radial Turbojet Landing Compliance	92%	8%	95%	5%	
Total 100 Degree Radial Turbojet Landings	2,252	185	2,337	130	
Engine Runup Program Compliance	100%	0%	100%	0%	
Total Evening and Nighttime Engine Runups	10	0	7	0	

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



Runway 28R/L Jet Departure NAP

2017Q2 90% Compliance (3,039 departures) (312 non-compliant)

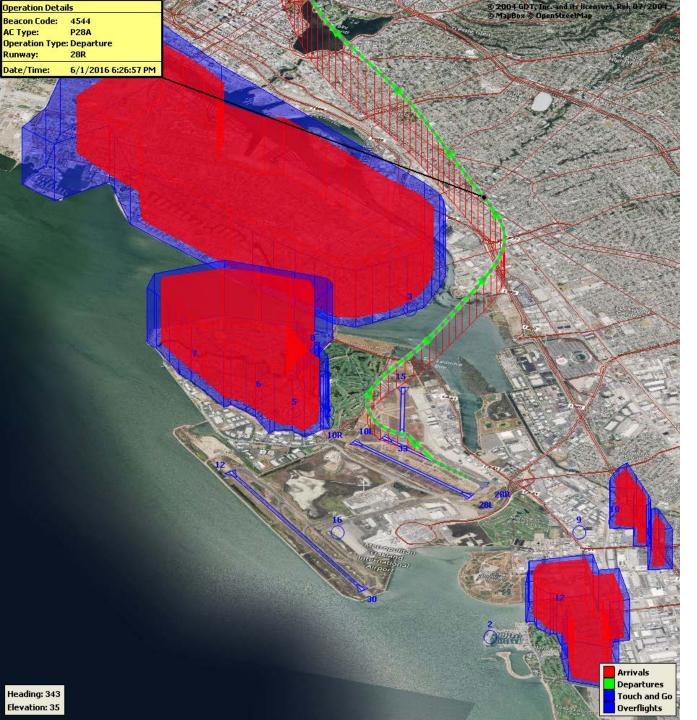
2016Q2 89% Compliance (2,839 departures) (306 non-compliant)



Runway 10R/L Jet Landing NAP

2017Q2 69% Compliance (841 landings) (64 non-compliant)

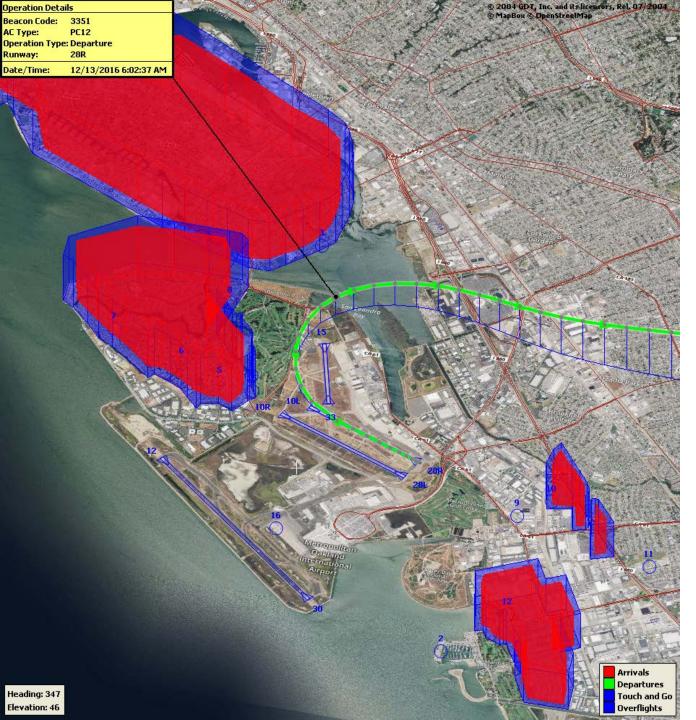
2016Q2 100% Compliance (469 landings) (10 non-compliant)



VFR Aircraft Departure NAP

2017Q2 97% Compliance (590 departures) (18 non-compliant)

2016Q2 97% Compliance (576 departures) (19 non-compliant)



North Field Quiet Hours NAP

2017Q2 83% Compliance (219 departures) (37 non-compliant)

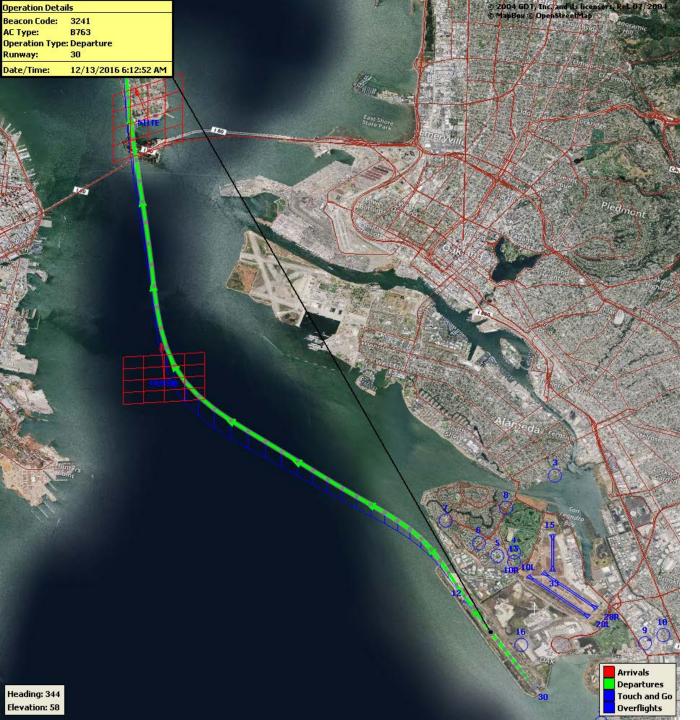
2016Q2 79% Compliance (228 departures) (48 non-compliant)



Runway 30 Bay Farm Right Turn NAP

2017Q2 100% Compliance (17,623 departures) (5 non-compliant)

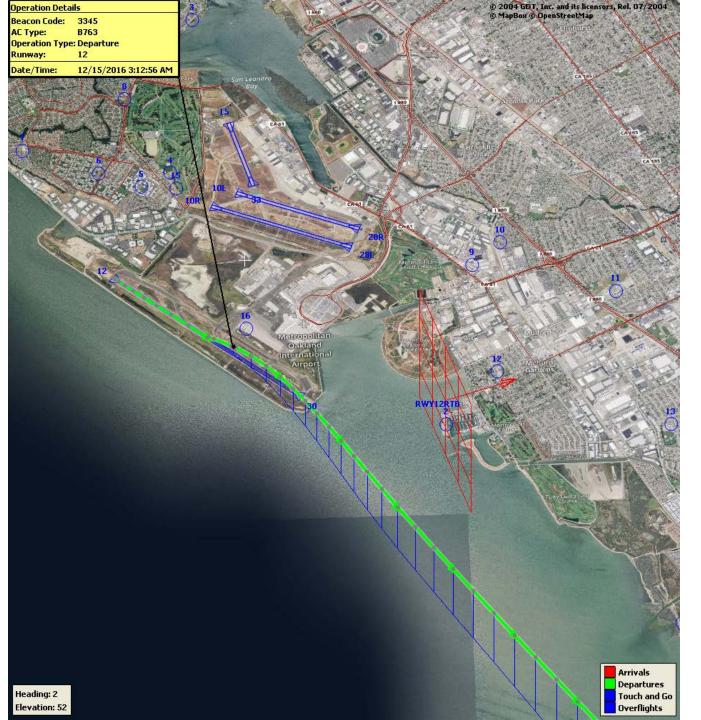
2016Q2 100% Compliance (17,229 departures) (11 non-compliant)



Night Time Departure NAP

2017Q2 99% Compliance (3,351 departures) (27 non-compliant)

2016Q2 98% Compliance (3,412 departures) (59 non-compliant)



Runway 12 Night Departure NAP

2017Q2 83% Compliance (75 departures) (13 non-compliant)

2016Q2 100% Compliance (11 departures) (0 non-compliant)



Runway 30 East Turn NAP

2017Q2 99% Compliance (5,390 departures) (27 non-compliant)

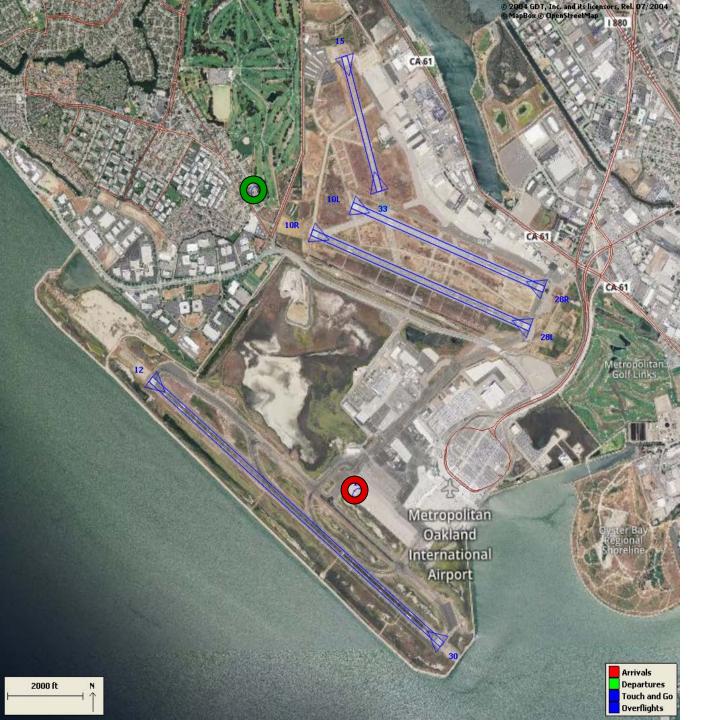
2016Q2 96% Compliance (5,133 departures) (214 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2017Q2 95% Compliance (2,467 landings) (130 non-compliant)

2016Q2 92% Compliance (2,437 landings) (185 non-compliant)



Engine Run-up NAP

2017Q2 100% Compliance (7 engine run-ups)* (0 non-compliant)

2016Q2 100% Compliance (10 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

			Table 1.	North Field Nig Tota		Departure Departure		asuremer	nts		
				Second Qu	arter 2017	′ (10:00 p.m	. to 7:00 a.m.)				
NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA			А	ircraft Nois SEL 85 - 89		A	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	1	4	0.0	0.7%	1	0.0	0.2%	0	0.0	0.0%	6
2	13	6	0.1	1.1%	1	0.0	0.2%	0	0.0	0.0%	20
3	48	8	0.1	1.4%	1	0.0	0.2%	0	0.0	0.0%	57
4	67	56	0.6	9.9%	34	0.4	6.0%	17	0.2	3.0%	174
5	56	25	0.3	4.4%	19	0.2	3.4%	26	0.3	4.6%	126
6	25	19	0.2	3.4%	25	0.3	4.4%	14	0.2	2.5%	83
7	26	23	0.3	4.1%	18	0.2	3.2%	0	0.0	0.0%	67
8	32	14	0.2	2.5%	2	0.0	0.4%	1	0.0	0.2%	49
9	8	6	0.1	1.1%	2	0.0	0.4%	2	0.0	0.4%	18
10	23	6	0.1	1.1%	1	0.0	0.2%	0	0.0	0.0%	30
11	3	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	5
12	5	3	0.0	0.5%	1	0.0	0.2%	0	0.0	0.0%	9
13	0	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	1
14	7	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	7
AllNMTs	314	173	2	0	105	1	0	60	1	0	652

	Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 199											
	Second Quarter 2017 (10:00 p.m. to 7:00 a.m.)											
NMT Aircraft Noise	Aircraft Noise Events Below	Aircraft Noise Events SEL 80 - 84.9 dBA			Aircraft Noise Events SEL 85 - 89.9 dBA			A	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	48	8	0.1	3.3%	1	0.0	0.4%	0	0.0	0.0%	57	
4	67	56	0.6	23.4%	34	0.4	14.2%	17	0.2	7.1%	174	
5	56	25	0.3	10.5%	19	0.2	7.9%	26	0.3	10.9%	126	
6	25	19	0.2	7.9%	25	0.3	10.5%	14	0.2	5.9%	83	
7	26	23	0.3	9.6%	18	0.2	7.5%	0	0.0	0.0%	67	
8	32	14	0.2	5.9%	2	0.0	0.8%	1	0.0	0.4%	49	
Total	254	145	1.6		99	1.1		58	0.6		556	

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 20

	Second Quarter 2017 (10:00 p.m. to 7:00 a.m.)										
NMT Number SEL 80 dBA		Aircraft Noise Events SEL 80 - 84.9 dBA			Aircraft Noise Events SEL 85 - 89.9 dBA			А	Total Aircraft		
	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events	
2	13	6	0.1	1.8%	1	0.0	0.3%	0	0.0	0.0%	20
9	8	6	0.1	1.8%	2	0.0	0.6%	2	0.0	0.6%	18
10	23	6	0.1	1.8%	1	0.0	0.3%	0	0.0	0.0%	30
11	3	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	5
12	5	3	0.0	0.9%	1	0.0	0.3%	0	0.0	0.0%	9
13	0	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	1
14	7	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	7
Total	59	24	0.3		5	0.1		2	0.0		90

	Aircraft Departures		Recorded Noise Events (a)		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
		Se	cond Quarter 2017	[B]		•
	Total [X]	Est. Avg. Monthly [X/3]				
B763	128	43	4	67	76	2
DC10/MD10	65	22	8	66	75	16
MD11	196	65	56	66	75	16
A306	111	37	10	66	75	25
B757	184	61	16	66	75	19
B77L	72	24	9	69	77	24
			Difference [A-B]			
DC10/MD10		-65	-24	-3	-3	-6
MD11		33	43	-4	-4	-8
A306		-30	-11	-1	-2	(

		Seco	nd Quarter 2016,	NMT 2	-	
	Aircraft Departures		Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)
•		Base	ine (November 200	2) [A]		
DC10/MD10		87	32	69	78	22
MD11		32	13	70	79	24
A306		67	21	67	77	25
•		Se	cond Quarter 2016	[B]		•
	Total [X]	Est. Avg. Monthly [X/3]				
B763	112	37	5	69	77	26
DC10/MD10	65	22	17	66	75	16
MD11	210	70	65	66	75	19
A306	115	38	14	65	74	20
B757	186	62	23	65	74	22
B77L	77	26	6	65	74	20
			Difference [A-B]			
DC10/MD10		-65	-15	-3	-3	-6
MD11		38	52	-4	-4	-5
A306		-29	-7	-2	-3	-5

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)

