



Fly Quiet Report

Presented at the February 6, 2019
Airport Community Roundtable Meeting

Aircraft Noise Abatement Office
Third Quarter 2018



San Francisco
International
Airport


























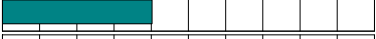

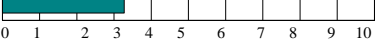






Airline Fly Quiet Summary Report - 3rd Quarter 2018

July 1 to September 30, 2018

Airline		Fleet Noise Quality	Noise Exceedance	Nighttime Runway Use	Departures Shoreline	Arrivals Foster City	Final Score	Airline Fly Quiet Rating			
AIR CHINA	CCA	10.00	9.97	-	-	6.36	-	8.78			
Lufthansa	DLH	9.09	9.93	-	-	6.55	-	8.52			
virgin atlantic	VIR	6.66	9.99	-	-	8.59	-	8.41			
Scandinavian Airlines	SAS	8.17	9.93	-	-	5.60	-	7.90			
JAPAN AIRLINES	JAL	7.13	9.93	-	-	6.36	-	7.81			
Emirates	UAE	10.00	9.90	-	-	3.49	-	7.80			
ANA	ANA	7.15	10.00	-	-	6.22	-	7.79			
AIRFRANCE	AFR	8.41	9.96	-	-	4.30	-	7.56			
SkyWest	SKW	10.00	9.95	3.33	8.70	5.96	5.40	7.22			
HONGKONG AIRLINES 香港航空	CRK	9.50	10.00	-	-	2.01	-	7.17			
WESTJET	WJA	5.84	9.86	-	10.00	5.00	5.00	7.14			
Frenchbee	FBU	9.50	9.84	0.00	8.75	9.03	5.00	7.02			
WOW	WOW	4.05	10.00	-	6.25	7.59	-	6.97			
BRITISH AIRWAYS	BAW	6.68	9.72	-	-	4.43	-	6.94			
Jazz	JZA	10.00	9.98	-	6.88	3.44	4.17	6.89			
SWISS	SWR	7.15	10.00	-	-	3.53	-	6.89			
中國東方航空 CHINA EASTERN	CES	5.71	9.98	-	-	4.89	-	6.86			
FRONTIER AIRLINES	FFT	5.04	9.80	3.65	9.00	6.00	7.36	6.81			
DELTA	DAL	6.41	9.87	3.83	7.30	6.47	6.96	6.81			
Southwest	SWA	5.85	9.82	3.33	9.61	5.74	6.49	6.81			
Aer Lingus	EIN	4.05	10.00	-	-	6.22	-	6.76			
AIR CANADA	ACA	7.15	9.75	3.14	6.75	5.39	7.87	6.67			
sun country airlines	SCX	5.83	9.77	3.33	9.33	5.00	6.50	6.63			
KALITTA AIR	CKS	3.43	10.00	-	-	6.04	-	6.49			
TURKISH AIRLINES	THY	7.15	9.97	-	-	2.15	-	6.42			
UNITED	UAL	5.82	9.76	3.05	6.80	6.65	5.73	6.30			
FINNAIR	FIN	4.19	10.00	-	5.00	5.83	-	6.26			
								6.14	SFO AVERAGE		
Alaska	ASA	5.29	9.80	3.33	8.73	3.75	5.80	6.12			
AIR NEW ZEALAND	ANZ	6.97	6.17	-	-	5.07	-	6.07			
ICELANDAIR	ICE	3.84	10.00	-	4.44	5.83	-	6.03			
FedEx	FDX	3.84	9.02	-	7.73	4.38	5.09	6.01			
jetBlue	JBU	4.76	9.80	3.33	6.85	5.31	5.92	6.00			
Compass Airlines	CPZ	4.85	9.86	3.07	-	6.60	5.00	5.88			
XL airways	XLF	4.05	9.90	-	7.50	1.72	-	5.79			
American Airlines	AAL	4.88	9.76	3.35	8.37	1.37	6.99	5.79			
interjet	AIJ	4.85	9.18	0.00	-	9.00	-	5.76			
Avianca	TAI	4.89	8.99	2.86	-	6.95	4.94	5.73			
volaris	VOI	4.85	9.32	3.33	-	-	5.00	5.62			
AEROMEXICO	AMX	5.82	9.19	2.78	-	4.42	5.00	5.44			

Airline Fly Quiet Summary Report - 3rd Quarter 2018






















July 1 to September 30, 2018

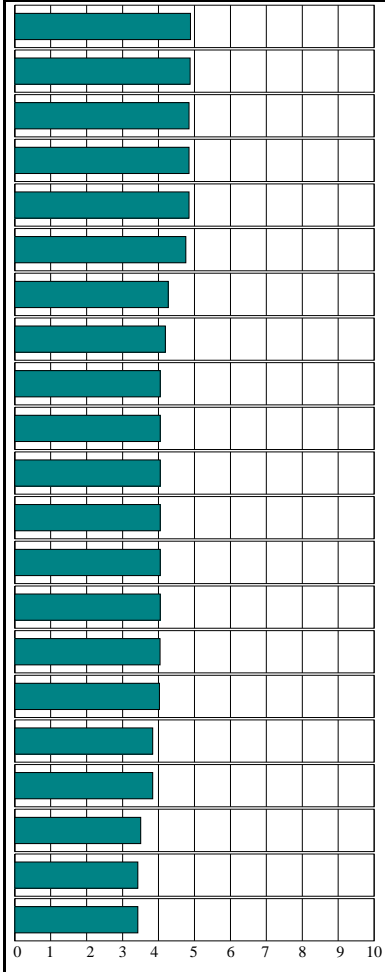
Airline		Fleet Noise Quality	Noise Exceedance	Nighttime Runway Use	Departures Shoreline	Arrivals Gap Foster City	Final Score	Airline Fly Quiet Rating											
 GTI	4.27	7.88	0.00	7.86	7.67	4.87	5.42												
 KAL	8.86	7.85	0.00	-	5.29	4.92	5.39												
 IBE	4.05	9.92	-	5.00	2.43	-	5.35												
 HAL	4.04	9.68	3.33	-	4.69	5.00	5.35												
 CSN	7.15	8.37	0.00	-	5.44	-	5.24												
 SIA	8.33	8.46	0.00	-	3.84	-	5.16												
 CPA	7.92	7.98	0.07	-	5.33	4.29	5.12												
 TCX	4.05	10.00	-	2.50	3.75	-	5.07												
 CMP	5.87	8.96	0.22	6.67	3.08	4.67	4.91												
 AAR	6.81	6.12	0.00	-	6.18	5.00	4.82												
 AIC	7.15	7.78	0.27	1.67	7.07	-	4.79												
 EVA	7.15	7.65	0.00	-	3.88	-	4.67												
 PAL	7.36	6.08	0.00	-	4.21	5.00	4.53												
 CAL	5.47	7.04	0.09	-	4.99	5.00	4.52												
 KLM	3.51	9.98	-	1.11	2.75	-	4.34												
 KYE	4.03	7.18	1.11	-	6.88	1.67	4.17												
 FJI	4.05	6.63	0.00	-	5.42	-	4.02												
 QFA	3.43	0.00	-	-	6.40	-	3.27												
SFO Average	6.18	9.06	1.69	6.66	5.25	5.36	6.14												

Fleet Noise Quality - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Nationwide		San Francisco		Fleet Noise Quality Rating
	Fleet Noise Quality Rating	Average Daily Jet Operations	Score		
AIR CHINA CCA	6.90	1	10.00		
Emirates UAE	7.20	1	10.00		
Jazz JZA	8.90	4	10.00		
SkyWest SKW	8.50	40	10.00		
HONGKONG AIRLINES 香港航空 CRK	6.50	1	9.50		
Frenchbee FBU	6.50	1	9.50		
Lufthansa DLH	6.60	2	9.09		
KOREAN AIR KAL	6.60	3	8.86		
AIRFRANCE AFR	7.00	2	8.41		
SINGAPORE AIRLINES SIA	7.30	2	8.33		
Scandinavian Airlines SAS	4.90	1	8.17		
CATHAY PACIFIC CPA	7.30	3	7.92		
Philippines PAL	6.90	1	7.36		
AIR CANADA ACA	6.60	10	7.15		
ANA ANA	7.80	1	7.15		
中国南方航空 CSN	7.30	1	7.15		
SWISS SWR	4.90	1	7.15		
TURKISH AIRLINES THY	5.70	1	7.15		
EVA AIR AIC	7.30	1	7.15		
EVA AIR EVA	6.90	3	7.15		
JAPAN AIRLINES JAL	7.80	1	7.13		
AIR NEW ZEALAND ANZ	7.90	1	6.97		
ASIANA AIRLINES AAR	6.90	2	6.81		
BRITISH AIRWAYS BAW	7.30	2	6.68		
virgin atlantic VIR	6.10	1	6.66		
DELTA DAL	5.80	45	6.41		
			6.18		SFO AVERAGE
CopaAirlines CMP	5.50	2	5.87		
Southwest SWA	5.50	46	5.85		
WESTJET WJA	5.70	3	5.84		
sun country airlines SCX	5.30	2	5.83		
UNITED UAL	5.70	201	5.82		
AEROMEXICO AMX	7.90	3	5.82		
中国东方航空 CES	4.90	1	5.71		
CHINA AIRLINES CAL	6.40	2	5.47		
Alaska ASA	5.20	72	5.29		
FRONTIER AIRLINES FFT	5.20	2	5.04		

Airline	San Francisco		Fleet Noise Quality Rating
	Nationwide Fleet Noise Quality Rating	Average Daily Jet Operations	
 Avianca TAI	5.18	2	4.89
 American Airlines AAL	5.50	35	4.88
 Interjet AIJ	5.00	1	4.85
 Compass Airlines CPZ	5.30	0	4.85
 Volaris VOI	5.20	1	4.85
 JetBlue JBU	5.80	16	4.76
 Atlas Air GTI	5.60	2	4.27
 Finnair FIN	3.80	0	4.19
 Aer Lingus EIN	4.50	1	4.05
 Iberia IBE	5.20	0	4.05
 Thomas Cook Airlines TCX	3.80	0	4.05
 WOW air WOW	5.00	1	4.05
 XL Airways XLF	3.80	0	4.05
 Fiji Airways FJI	4.40	0	4.05
 Hawaiian Airlines HAL	5.60	2	4.04
 Sky Lease Cargo KYE	4.60	0	4.03
 FedEx FDX	5.10	1	3.84
 Icelandair ICE	6.90	1	3.84
 KLM Royal Dutch Airlines KLM	6.60	1	3.51
 Kalitta Air CKS	5.60	0	3.43
 Qantas QFA	5.80	1	3.43
AVERAGE	6.05	9	6.18







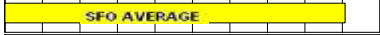



















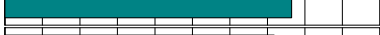
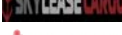





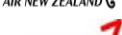

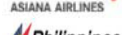

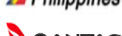


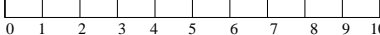
Noise Exceedance Rating Report - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Noise Exceedances				Noise Exceedance Quality Rating
	Total Noise Exceedances	Total Quarterly Operations	Exceedances per 1000 Operations	Score	
ANA	0	183	0	10.00	
CKS	0	12	0	10.00	
CRK	0	102	0	10.00	
EIN	0	184	0	10.00	
FIN	0	78	0	10.00	
ICE	0	105	0	10.00	
SWR	0	184	0	10.00	
TCX	0	78	0	10.00	
WOW	0	184	0	10.00	
VIR	1	448	2	9.99	
JZA	2	726	3	9.98	
KLM	1	289	3	9.98	
CES	1	258	4	9.98	
THY	1	184	5	9.97	
CCA	1	183	5	9.97	
AFR	2	348	6	9.96	
SKW	143	16,940	8	9.95	
DLH	4	368	11	9.93	
JAL	2	184	11	9.93	
SAS	2	184	11	9.93	
IBE	1	78	13	9.92	
UAE	3	182	16	9.90	
XLF	1	60	17	9.90	
DAL	181	8,293	22	9.87	
CPZ	44	1,914	23	9.86	
WJA	13	551	24	9.86	
FBU	4	153	26	9.84	
QXE	15	532	28	9.83	
SWA	247	8,473	29	9.82	
FFT	14	436	32	9.80	
JBU	96	2,914	33	9.80	
ASA	440	13,312	33	9.80	
SCX	14	370	38	9.77	
UAL	1,517	39,084	39	9.76	
AAL	257	6,618	39	9.76	
ACA	87	2,121	41	9.75	
BAW	17	368	46	9.72	
HAL	19	368	52	9.68	
VOI	13	116	112	9.32	

Noise Exceedance Rating Report - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Noise Exceedances				Noise Exceedance Quality Rating
	Total Noise Exceedances	Total Quarterly Operations	Exceedances per 1000 Operations	Score	
 AMX	72	542	133	9.19	
 AIJ	21	157	134	9.18	
				9.07	
 FDX	37	230	161	9.02	
 TAI	52	314	166	8.99	
 CMP	74	435	170	8.96	
 SIA	92	364	253	8.46	
 CSN	59	221	267	8.37	
 CPA	178	539	330	7.98	
 GTI	99	285	347	7.88	
 KAL	180	512	352	7.85	
 AIC	86	237	363	7.78	
 EVA	208	540	385	7.65	
 KYE	6	13	462	7.18	
 CAL	162	335	484	7.04	
 FJI	37	67	552	6.63	
 ANZ	114	182	626	6.17	
 AAR	209	329	635	6.12	
 PAL	145	226	642	6.08	
 QFA	306	187	1636	0.00	
TOTAL	5,280	112,880			
SFO AVERAGE			152	9.07	












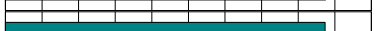



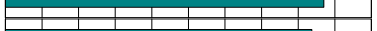

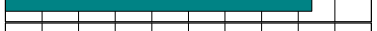














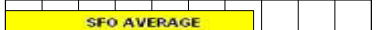




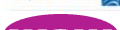








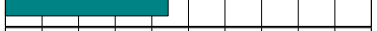


Nighttime Preferential Runway Use - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Nighttime Departures (1:00 am to 6:00 am)						Nighttime Runway Use Rating
	Total	10L/R	28L/R Shoreline	01L/R	28L/R Straight	Score	
DAL	20	0%	15%	85%	0%	3.83	
FFT	85	0%	11%	88%	1%	3.65	
AAL	208	0%	9%	83%	8%	3.35	
ASA	14	0%	0%	100%	0%	3.33	
HAL	1	0%	0%	100%	0%	3.33	
JBU	14	0%	0%	100%	0%	3.33	
SCX	3	0%	0%	100%	0%	3.33	
SKW	7	0%	0%	100%	0%	3.33	
SWA	55	0%	0%	100%	0%	3.33	
VOI	14	0%	0%	100%	0%	3.33	
ACA	17	0%	6%	82%	12%	3.14	
CPZ	51	0%	0%	92%	8%	3.07	
UAL	571	0%	1%	89%	10%	3.05	
TAI	92	0%	0%	86%	14%	2.86	
AMX	6	0%	0%	83%	17%	2.78	
						1.69	SFO AVERAGE
KYE	3	0%	0%	33%	67%	1.11	
AIC	37	0%	3%	3%	95%	0.27	
CMP	92	0%	3%	0%	97%	0.22	
CAL	112	1%	0%	0%	99%	0.09	
CPA	147	1%	0%	0%	99%	0.07	
AAR	49	0%	0%	0%	100%	0.00	
AIJ	1	0%	0%	0%	100%	0.00	
CSN	1	0%	0%	0%	100%	0.00	
EVA	182	0%	0%	0%	100%	0.00	
FBU	6	0%	0%	0%	100%	0.00	
FJI	1	0%	0%	0%	100%	0.00	
GTI	1	0%	0%	0%	100%	0.00	
KAL	75	0%	0%	0%	100%	0.00	
PAL	93	0%	0%	0%	100%	0.00	
SIA	90	0%	0%	0%	100%	0.00	
TOTAL	2,048						
SFO AVERAGE		0%	2%	47%	51%	1.69	

























































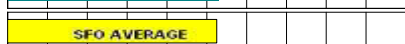






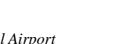

Shoreline Departure Rating - 3rd Quarter 2018

July 1 to September 30,2018

Airline	Shoreline Departures					Shoreline Departure Rating
	Total	Successful	Marginal	Poor	Score	
 WJA	20	100%	0%	0%	10.00	
 SWA	76	92%	8%	0%	9.61	
 SCX	15	87%	13%	0%	9.33	
 FFT	25	80%	20%	0%	9.00	
 FBU	4	75%	25%	0%	8.75	
 ASA	221	76%	24%	1%	8.73	
 SKW	123	82%	10%	8%	8.70	
 AAL	163	71%	26%	3%	8.37	
 GTI	7	57%	43%	0%	7.86	
 FDX	11	64%	27%	9%	7.73	
 XLF	4	50%	50%	0%	7.50	
 DAL	202	53%	39%	7%	7.30	
 JZA	16	44%	50%	6%	6.88	
 JBU	73	37%	63%	0%	6.85	
 UAL	485	50%	37%	14%	6.80	
					6.78	
 ACA	63	49%	37%	14%	6.75	
 CMP	3	33%	67%	0%	6.67	
 WOW	8	25%	75%	0%	6.25	
 FIN	1	0%	100%	0%	5.00	
 IBE	1	0%	100%	0%	5.00	
 ICE	9	11%	67%	22%	4.44	
 TCX	2	0%	50%	50%	2.50	
 AIC	3	0%	33%	67%	1.67	
 KLM	27	0%	22%	78%	1.11	
TOTAL	1,562					
SFO AVERAGE		47%	41%	12%	6.78	

















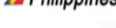




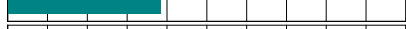













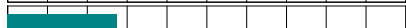








Gap Departure Climb Rating - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Gap Departures		Gap Departure Quality Rating
	Total	Score	
 FBU	67	9.03	
 AIJ	5	9.00	
 VIR	85	8.59	
 GTI	51	7.67	
 WOW	14	7.59	
 AIC	113	7.07	
 TAI	16	6.95	
 KYE	4	6.88	
 QXE	25	6.80	
 UAL	3786	6.65	
 CPZ	71	6.60	
 DLH	181	6.55	
 DAL	140	6.47	
 QFA	93	6.40	
 JAL	89	6.36	
 CCA	90	6.36	
 EIN	91	6.22	
 ANA	90	6.22	
 AAR	165	6.18	
 CKS	6	6.04	
 FFT	5	6.00	
 SKW	490	5.96	
 FIN	27	5.83	
 ICE	3	5.83	
 SWA	249	5.74	
 SAS	91	5.60	
 CSN	109	5.44	
 FJI	33	5.42	
 ACA	16	5.39	
 CPA	266	5.33	
 JBU	32	5.31	
 KAL	252	5.29	
		5.25	SFO AVERAGE
 ANZ	91	5.07	
 SCX	1	5.00	
 WJA	2	5.00	




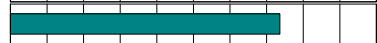



















































Gap Departure Climb Rating - 3rd Quarter 2018

July 1 to September 30, 2018

Airline	Gap Departures		Gap Departure Quality Rating
	Total	Score	
 CAL	168	4.99	
 CES	129	4.89	
 HAL	16	4.69	
 BAW	172	4.43	
 AMX	13	4.42	
 FDX	6	4.38	
 AFR	164	4.30	
 PAL	113	4.21	
 EVA	267	3.88	
 SIA	179	3.84	
 ASA	500	3.75	
 TCX	16	3.75	
 SWR	91	3.53	
 UAE	91	3.49	
 JZA	4	3.44	
 CMP	212	3.08	
 KLM	15	2.75	
 IBE	38	2.43	
 THY	92	2.15	
 CRK	51	2.01	
 XLF	8	1.72	
 AAL	449	1.37	
TOTAL	9643		
SFO Average		5.25	

Foster City Arrival Rating - 3rd Quarter 2018

July 1 to September 30,2018

Airline	Foster City Arrivals					Foster City Arrival Rating
	Total	Successful	Marginal	Poor	Score	
 ACA	115	57%	43%	0%	7.87	
 FFT	55	47%	53%	0%	7.36	
 AAL	417	41%	59%	1%	6.99	
 DAL	275	40%	59%	1%	6.96	
 SCX	10	40%	50%	10%	6.50	
 SWA	367	30%	69%	1%	6.49	
 JBU	218	18%	82%	0%	5.92	
 ASA	437	18%	80%	2%	5.80	
 UAL	1,551	18%	79%	3%	5.73	
 SKW	50	14%	80%	6%	5.40	
					5.36	
 FDX	58	2%	98%	0%	5.09	
 AAR	51	0%	100%	0%	5.00	
 AMX	6	0%	100%	0%	5.00	
 CAL	26	0%	100%	0%	5.00	
 CPZ	61	0%	100%	0%	5.00	
 FBU	1	0%	100%	0%	5.00	
 HAL	3	0%	100%	0%	5.00	
 PAL	2	0%	100%	0%	5.00	
 VOI	5	0%	100%	0%	5.00	
 WJA	3	0%	100%	0%	5.00	
 TAI	90	0%	99%	1%	4.94	
 KAL	66	0%	98%	2%	4.92	
 GTI	38	0%	97%	3%	4.87	
 CMP	92	0%	93%	7%	4.67	
 CPA	7	0%	86%	14%	4.29	
 JZA	6	0%	83%	17%	4.17	
 KYE	3	0%	33%	67%	1.67	
TOTAL	4,013					
SFO AVERAGE		12%	83%	5%	5.36	