

Quarterly Noise Report

For the California Department of Transportation

Third Quarter – Calendar Year 2021



Aircraft Noise Mitigation

November 30, 2021

Q3 2021 Quarterly Noise Report

July 1 through September 30, 2021

The California Department of Transportation, Division of Aeronautics, granted a Variance from the requirements of Section 5012, Chapter 2.5, Subchapter 6, Title 21, of the California Administrative Code to the San Diego County Regional Airport Authority (Airport Authority) for the operation of San Diego International Airport (SAN) on September 2, 2019.

This Quarterly Report was prepared by the Aircraft Noise Mitigation Staff at SAN, in accordance with the Airport Noise Standards, State of California.



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Summary of Statistical Information for the California Department of Transportation

1. Size of Noise Impact Area as defined in the Noise Standards for the Quarter (California Code of Regulations, Title 21, Chapter 2.5, Subchapter 6).
 - Noise Impact Area (N.I.A) – 0.090 Square Miles (57.6 Acres)
 - Federal Military Impact Area (F.M.I.A.) – 0.125 Square Miles (80 Acres)
2. Estimated number of dwelling units and population within the Noise Impact Area as defined in the Noise Standards:
 - Dwelling Units – 987* (Population – 1,896*)
3. Number of Noise Complaints and Households during the Calendar Quarter:
 - 21,315 Complaints (138 Households)
4. Aircraft type having the greatest takeoff noise level operating at this airport together with the estimated number of operations by this aircraft type during the calendar quarter reporting period:
 - Airbus A321 (4,014 Operations)
5. Number of Air Carrier Operations during the Calendar Quarter: 40,865
6. 100% of Air Carrier Operations are Stage 3 or better.
7. Number of General Aviation Operations during the Calendar Quarter: 3,235
8. Number of Air Taxi Operations during the Calendar Quarter: 4,063
9. Number of Military Operations during the Calendar Quarter: 260
10. Total number of Airport Operations during the Calendar Quarter: 48,423

* Population and dwelling unit calculations are based upon 2010 Census Block Boundary Data.

Note: Airport Operation counts are taken from the FAA Air Traffic Activity Data System (ATADS)

<https://aspm.faa.gov/opsnet/sys/Airport.asp>

Noise Impact Areas

Using data generated from the Airport Noise and Operations Monitoring System (ANOMS) and Geographic Information System (GIS), the Airport Noise consultant Harris, Miller, Miller & Hanson Inc.'s (HMMH) developed the Noise Contour and determined the current Noise Impact Area (N.I.A.) and the Federal Military Impact Area (F.M.I.A.). Table 1 below contains square mile area for the Quarter compared to the same period last year.

Impact Area	Q3 2021	Q3 2020	Change
Noise Impact Area	0.090	0.175	-0.085
Military Impact Area	0.125	0.081	0.044

Table 1

Noise Contour

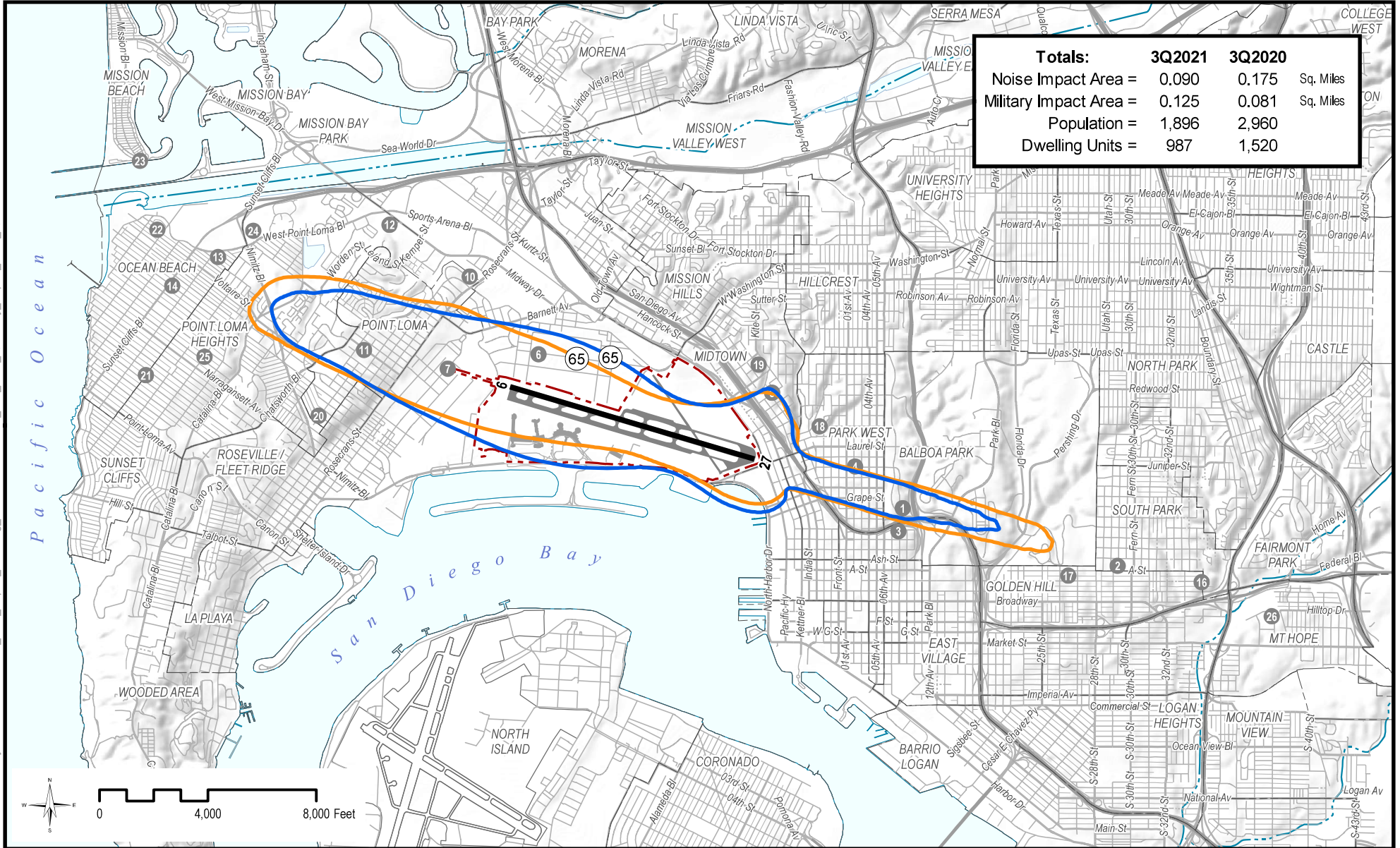
The Noise Contour on the subsequent page is prepared for the Airport Authority by their consultant HMMH Inc. using their RealContours for Aviation Environmental Design Tool (AEDT) software. AEDT is a state of the art software system that models aircraft performance in space and time to estimate fuel consumption, emissions, noise, and air quality consequences.

The use of GIS technology allows for direct counting of individual parcels within the Noise Contour. The modeling methodology fulfills the requirements of the State of California, Title 21, California Noise Standards. A review of measured and modeled noise levels indicate good agreement between several key measurement locations.

Key observations contributing to the contour reduction compared with the same one year period from last year –

- The observable shift continues in the use of Stage 4 aircraft from 18% in 2019 to 26% of Air Carrier fleet being operated at the airport. This is the direct result of COVID fleet reduction strategies which favors newer aircraft that are more fuel efficient while also being quieter.
- Other changes in the contour are related to AEDT version updates observed in Q2 2021 and a continuation of reduced nighttime operations (-18%).



We expect smaller contours until air service returns to higher than 2019 pre-COVID levels (due to the increased rate in the utilization of quieter, Stage 4 aircraft).



Totals:	3Q2021	3Q2020	
Noise Impact Area =	0.090	0.175	Sq. Miles
Military Impact Area =	0.125	0.081	Sq. Miles
Population =	1,896	2,960	
Dwelling Units =	987	1,520	

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 2021 3rd Quarter 65 dB CNEL Contour
 2020 3rd Quarter 65 dB CNEL Contour

 Airport Property  Runway
 RMT Site Location  River / Stream
 Roads

Comparison of the 2020 and 2021 Third Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours



Residential Sound Insulation Program (RSIP)

Per the requirements of the Airport's Variance agreement, the Airport Authority is the sponsor to an active Residential Sound Insulation Program (RSIP), also known as the Quieter Home Program (QHP). Funding for the program is provided by grants awarded from the Airport Improvement Plan (AIP) component of the FAA's Airport and Airway Trust Fund (AATF), Airport Operating Revenues, and fines issued for non-compliance with Airport Authority Code 9.40, Airport Use Regulations.

To date, the RSIP/QHP has completed 4,582 homes with a current waitlist of 841 units.

Aircraft Noise Complaints

During the Quarter, the Aircraft Noise Office received a total of 21,315 complaints from 138 households. Where possible, complaints are correlated with a specific flight and examined for validity. Complaints are tabulated and reported on the Authority website on a monthly basis. This information can be retrieved by visiting the following website:

<https://www.san.org/Airport-Noise>

Quarterly Airport Operations Statistics

The Federal Aviation Administration captures and makes available to the public Air Traffic Control Tower Counts on a monthly basis in its Air Traffic Activity Data System (ATADS) database. Table 2 below contains statistics of itinerant aircraft operations by FAA category for the Calendar Year Quarter compared to the same period last year.

Operations	3rd Quarter 2020	3rd Quarter 2019	Net Change	Percent Change
Air Carrier	40,865	25,552	15,313	59.9%
Air Taxi	4,063	2,983	1,080	36.2%
General Aviation	3,235	2,080	1,155	55.5%
Military	260	254	6	2.4%
Total	48,423	30,869	17,554	56.9%

Table 2

Note: Current and historical operations data can be extracted at the following website:

<https://aspm.faa.gov/opsnet/sys/Airport.asp>

Airport Use Regulations

Airport Authority Code 9.40, Airport Use Regulations, defines Time of Day Use Restrictions (Curfew) for all Airport operators at SAN. The Regulations restrict daily departures between the hours of 11:30 p.m. and 6:30 a.m. the following morning for Stage 3 (or better) compliant aircraft, and between 10:00 p.m. and 7:00 a.m. for non-complaint aircraft. Additionally, Air Carriers are only permitted to publish scheduled gate departure times between the hours 6:15 a.m. and 11:15 p.m. daily. Medical Evacuation/Lifeguard departures are exempt from the Restrictions.

Curfew violations are reported to the Curfew Violation Review Panel (CVRP) comprised of three (3) staff

members appointed by the Executive Leadership Team of the Authority. The membership includes one (1) representative from each of the following Divisions: Airport Operations, Airport Development, and Finance. The Panel examines data and documentation collected during an investigation of alleged violations, and makes recommendations to the Program Manager, Aircraft Noise, for the disposition of the violation.

Fine levels associated with the Airport Use Regulations are based on the number of violations in the two evaluation periods (January through June and July through December each year). The fines are subject to a multiplier for each penalized violation in the previous evaluation period. The base fines are \$2,000 for the first penalized violation, \$6,000 for the second penalized violation, and \$10,000 for each subsequent violation in the given evaluation period. If a carrier has a fined violation in the previous evaluation period, the base fine is multiplied by the number of penalized violations in the previous evaluation period.

Example:

An operator has two (2) fined violations in the January through June period. If they have a violation between July and December, the base fine level of \$2,000 would increase to \$4,000, a second violation increases from \$6,000 to \$12,000 and a third or any subsequent violations increases from \$10,000 to \$20,000

During the Quarter there were thirteen (13) curfew violations. Seven (7) violations have been fined for a total of \$48,000 with three (3) pending review in December 2021.

Airport Noise Advisory Committee (ANAC)

The Airport Authority recognizes that neighborhoods surrounding SAN are affected by noise from aircraft operations. An Airport Noise Advisory Committee (ANAC), consisting of individuals from various organizations, residential areas, and professional associations, was formed in 1981 under the San Diego Unified Port District (SDUPD), the previous proprietor of SAN. ANAC is formally adopted as Airport Authority Policy 9.20.

Further information regarding the ANAC can be found at the following website:

<https://www.san.org/Airport-Noise/Initiatives>

Quarterly and Annual CNEL Data

A summary of the Quarterly and Annual CNEL data is shown in Table 3 below. The levels are calculated utilizing the data found in the Aircraft Noise Monitoring System section which captures the Remote Monitoring Terminals (RMT) thresholds and Daily/Monthly CNEL Logs.

RMT #	Quarter CNEL (dB)	Annual CNEL (dB)
1	68.8	67.3
2	64.8	63.3
3	64.2	62.6
4	63.9	62.4
6	67.5	66.2
7	73.6	71.5
9	65.2	63.5
10	61.8	60.5
11	69.9	67.9
12	59.9	58.5
13	64.6	62.7
14	63.6	62.2
16	62.5	61.3
17	63.5	61.8
18	56.5	56.0
19	59.9	59.5
20	59.6	58.1
21	56.3	55.2
22	62.8	61.1
23	60.9	59.1
24	62.7	60.7
25	60.2	58.9
26	61.7	60.4

Table 3

Notes:

- Annual CNEL data is a rolling 12-month period.
- RMTs #5, #8 and #15 are no longer operational as the noise impact boundary has decreased in size

Single Event Noise Exposure Level (SENEL) Comparison

The average Single Event Noise Exposure Level (SENEL) of the loudest 25% of the Operations Survey is shown in Table 4 below. For each Quarter, the data used to compile this section of the report is captured on Tuesday through Thursday during the second week of February, May, August and November (Quarterly midpoint). The supporting data is listed in Tables 5 through 7 on subsequent pages. Tables 5 and 6 show the top 25% of operations during the capture period. Table 7 contains the average daily operations by runway, time of day, operation type, and aircraft type.

	Q3 2021	Q3 2020	Change (dB)
Arrivals	93.9	93.0	0.93
Departures	99.4	96.9	2.45

Table 4

Table 5

Quarterly SENEL Survey – Arrivals (RMT #1) – August 10-12, 2021

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
8/10/21 11:18 AM	96.5	DAL685	ATL	B764
8/11/21 7:27 PM	96.1	DAL702	ATL	B764
8/11/21 5:55 AM	95.8	FDX1422	MEM	B763
8/12/21 9:09 AM	95.7	DAL965	ATL	B764
8/10/21 9:25 AM	95.5	DAL965	ATL	B764
8/10/21 6:55 PM	95.3	UAL1281	SFO	B739
8/10/21 5:12 AM	95.3	UPS922	SDF	B763
8/10/21 11:09 AM	95.3	DAL350	JFK	B764
8/12/21 6:18 PM	95.2	FDX906	MEM	B763
8/12/21 4:42 PM	95.1	DAL992	ATL	B763
8/10/21 8:28 PM	94.9	DAL748	MSP	B753
8/10/21 4:25 PM	94.8	FDX979	MEM	B763
8/10/21 7:06 PM	94.8	DAL702	ATL	B764
8/11/21 6:04 AM	94.7	FDX1754	IND	B763
8/11/21 5:04 AM	94.7	FDX1889	OAK	B752
8/10/21 10:20 AM	94.6	DAL934	DTW	B753
8/11/21 4:36 PM	94.6	FDX979	MEM	B763
8/11/21 5:10 AM	94.5	UPS922	SDF	B763
8/11/21 9:20 AM	94.3	DAL965	ATL	B764
8/12/21 7:08 PM	94.2	DAL702	ATL	B764
8/12/21 4:54 AM	94.2	FDX1889	OAK	B752
8/11/21 5:41 PM	94.1	DAL992	ATL	B763
8/12/21 11:21 AM	94.1	DAL685	ATL	B764
8/11/21 11:09 AM	94.0	DAL685	ATL	B764
8/12/21 8:29 PM	93.9	DAL748	MSP	B753
8/10/21 4:54 AM	93.9	FDX1889	OAK	B752
8/11/21 10:06 AM	93.9	DAL934	DTW	B753
8/10/21 6:16 AM	93.7	FDX1422	MEM	B763
8/10/21 1:02 PM	93.6	SWQ3527	BRO	B734
8/10/21 5:54 PM	93.5	FDX906	MEM	B763
8/12/21 5:30 AM	93.5	FDX1422	MEM	B763
8/10/21 1:44 PM	93.4	AAL1949	PHX	B738
8/11/21 4:01 PM	93.3	DAL2389	SLC	A321
8/11/21 10:50 AM	93.3	DAL350	JFK	B764
8/12/21 5:21 AM	93.3	FDX1754	IND	B763

Table 5 (Continued)

Quarterly SENEL Survey – Arrivals (RMT #1) – August 10-12, 2021

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
8/10/21 11:51 PM	93.3	UAL2016	EWR	B739
8/12/21 12:52 AM	93.3	UAL2016	EWR	B739
8/10/21 7:53 PM	93.2	HAL16	HNL	A332
8/11/21 5:37 PM	93.2	FDX906	MEM	B763
8/10/21 7:25 PM	93.2	AAL435	ORD	B738
8/12/21 5:27 AM	93.0	UPS922	SDF	B763
8/10/21 2:18 PM	93.0	SWQ3512	YKM	B734
8/12/21 5:52 PM	93.0	UAL598	EWR	B738
8/10/21 3:14 PM	92.9	UAL1870	IAH	B738
8/12/21 2:52 PM	92.9	UAL2421	ORD	B739
8/10/21 12:47 PM	92.8	UAL1467	IAD	B739

Table 6

Quarterly SENEL Survey - Departures (RMT #7) - August 10-12, 2021

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
8/10/21 11:28 PM	101.4	AAL2758	PHL	A321
8/12/21 8:40 AM	101.0	UAL546	IAD	B739
8/11/21 4:47 PM	100.7	UAL1795	ORD	B739
8/11/21 9:50 PM	100.6	UAL2129	IAD	B739
8/12/21 1:14 PM	100.4	DAL388	JFK	B764
8/11/21 10:40 PM	100.3	UAL2611	EWR	B739
8/10/21 11:12 PM	100.3	UAL2129	IAD	B739
8/12/21 10:41 PM	100.1	UAL2611	EWR	B739
8/12/21 1:53 PM	100.1	AAL2935	CLT	A321
8/11/21 9:15 AM	100.0	UAL546	IAD	B739
8/12/21 9:15 AM	100.0	ASA772	EWR	B739
8/10/21 8:14 AM	99.9	HAL15	HNL	A332
8/12/21 7:31 AM	99.9	ASA392	JFK	B739
8/10/21 8:40 AM	99.8	UAL546	IAD	B739
8/11/21 9:42 PM	99.7	JBU90	JFK	A321
8/11/21 1:07 PM	99.7	DAL388	JFK	B764
8/12/21 10:47 PM	99.7	AAL2758	PHL	A321
8/12/21 7:35 AM	99.7	AAL1651	CLT	A321
8/10/21 12:29 PM	99.6	JBU190	JFK	A321
8/10/21 11:37 AM	99.5	AAL1954	CLT	A321
8/12/21 10:42 PM	99.5	DAL831	ATL	B764
8/11/21 10:07 AM	99.5	AAL433	PHL	A321
8/11/21 10:34 PM	99.4	DAL831	ATL	B764
8/12/21 7:30 AM	99.4	UAL2471	EWR	B738
8/10/21 11:14 PM	99.3	DAL831	ATL	B764
8/10/21 7:38 AM	99.3	UAL2471	EWR	B738
8/12/21 2:00 PM	99.3	UAL2627	IAH	B739
8/11/21 11:27 AM	99.3	AAL1954	CLT	A321
8/12/21 9:32 AM	99.3	AAL433	PHL	A321
8/11/21 6:32 AM	99.2	AAL518	ORD	B738
8/10/21 9:35 PM	99.2	JBU90	JFK	A321
8/11/21 7:59 AM	99.2	AAL1651	CLT	A321
8/12/21 9:20 AM	99.2	AAL648	DFW	A321
8/12/21 11:07 AM	99.2	DAL965	ATL	B764
8/11/21 11:19 AM	99.2	DAL965	ATL	B764

Table 6 (Continued)

Quarterly SENEL Survey – Departures (RMT #7) – August 10-12, 2021

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
8/12/21 9:52 PM	99.1	UAL2129	IAD	B739
8/10/21 12:53 PM	99.1	JBU1046	EWR	A321
8/10/21 9:30 AM	99.1	AAL433	PHL	A321
8/12/21 10:09 PM	99.1	JBU90	JFK	A321
8/11/21 8:09 AM	99.1	HAL15	HNL	A332
8/11/21 7:40 AM	99.0	DAL977	DTW	B753
8/10/21 7:31 PM	99.0	UAL1795	ORD	B739
8/12/21 10:15 PM	99.0	DAL1056	ATL	A321
8/11/21 11:14 PM	99.0	AAL1543	ORD	B738
8/11/21 10:36 PM	99.0	AAL596	CLT	B738
8/10/21 7:40 AM	98.9	AAL1651	CLT	A321
8/10/21 12:49 PM	98.9	AAL1955	DFW	A321
8/12/21 8:23 AM	98.9	HAL15	HNL	A332
8/12/21 9:19 AM	98.9	ASA819	LIH	B738
8/10/21 11:48 AM	98.8	AAL313	DFW	A321
8/11/21 9:54 AM	98.8	ASA829	OGG	B738
8/12/21 12:56 PM	98.8	JBU190	JFK	A321
8/11/21 12:41 PM	98.8	JBU190	JFK	A321
8/11/21 1:41 PM	98.8	UAL2163	EWR	B738
8/10/21 8:15 AM	98.7	AAL2439	DFW	A321
8/11/21 11:20 AM	98.7	UAL2611	EWR	B739

Table 7

Average Daily Operations by Runway, Operation Type, Time of Day and Aircraft Type

Aircraft Type	Runway 27						Runway 9						Total
	Arrivals			Departures			Arrivals			Departures			
	7:00	19:00	22:00	7:00	19:00	22:00	7:00	19:00	22:00	7:00	19:00	22:00	
	18:59	21:59	6:59	18:59	21:59	6:59	18:59	21:59	6:59	18:59	21:59	6:59	
A20N	3	1	0	3	1	1	0	0	0	0	0	0	9
A21N	0	1	0	1	0	0	0	0	0	0	0	0	2
A319	3	1	0	3	1	0	0	0	0	0	0	0	8
A320	7	1	1	6	2	1	0	0	0	0	0	0	18
A321	14	5	2	16	3	4	0	0	0	0	0	0	44
A332	0	1	0	1	0	0	0	0	0	0	0	0	2
B38M	8	0	1	9	2	1	0	0	0	0	0	0	21
B39M	3	0	0	3	1	0	0	0	0	0	0	0	7
B734	1	0	0	1	0	0	0	0	0	0	0	0	2
B737	24	0	4	24	7	4	0	0	0	0	0	0	63
B738	36	0	8	43	6	7	0	0	0	0	0	0	100
B739	11	0	3	13	3	2	0	0	0	0	0	0	32
B752	1	0	1	2	1	1	0	0	0	0	0	0	6
B753	1	0	0	2	0	0	0	0	0	0	0	0	3
B763	3	0	2	1	2	2	0	0	0	0	0	0	10
B764	3	0	0	3	0	1	0	0	0	0	0	0	7
B788	1	0	0	1	0	0	0	0	0	0	0	0	2
BE99	1	0	0	1	0	0	0	0	0	0	0	0	2
C208	2	0	0	2	0	0	0	0	0	0	0	0	4
CRJ9	1	0	0	1	0	0	0	0	0	0	0	0	2
E75L	24	0	5	24	7	4	0	0	0	0	0	0	64
Total	147	10	27	160	36	28	0	0	0	0	0	0	408

Aircraft Noise Monitoring System (ANOMS)

The following tables capture the Remote Monitoring Terminal (RMT) data associated with this report. Table 8 provides the RMT thresholds, Tables 9 through 11 capture the Daily and Monthly CNEL levels for each month in the Quarter and Table 12 captures the Air Carrier Operations by Aircraft Type.

There are variances in Table 12 between the ANOMS data and the FAA ATADS data reported in the summary and Quarterly Airport Operation due to the way aircraft operating at the airport are categorized between Air Carrier and Air Taxi Operations. The prop/turboprop operations are typically captured in the FAA's Air Taxi category due to their capacity and/or weight classification. The Air Taxi data captured by the FAA ATADS system also includes fractional ownership operations (Business Jets) and small Regional Jets operated by the Air Carrier's Regional Airline partners. If a Regional Jet meets the payload weight limitation of 18,000 pounds or less, then the seating configuration (60 seat boundary) can alter the category that the operation falls into.

The FAA operator categories are defined as follows:

- **Air Carrier (AC):** Aircraft with seating capacity of more than 60 seats or a maximum payload capacity of more than 18,000 pounds, carrying passengers or cargo for hire or compensation. This includes US and foreign-flagged carriers.
- **Air Taxi (AT):** Aircraft designed to have a maximum seating capacity of 60 seats or less or a maximum payload capacity of 18,000 pounds or less, carrying passengers or cargo for hire or compensation.
- **General Aviation (GA):** Takeoffs and landings of all civil aircraft, except those classified as air carriers or air taxis.
- **Military:** All classes of military takeoffs and landings.

Table 8

Remote Monitoring Terminal (RMTs) Thresholds

RMT #	SENEL Day Threshold (dB)	Duration (sec)	SENEL Evening Threshold (dB)	Duration (sec)	SENEL Night Threshold (dB)	Duration (sec)
1	73*	9	73	9	72*	10
2	63	10	60	12	58	14
3	74*	9	73	10	72*	10
4	64*	10	63	12	60*	12
6	68*	8	67	9	65*	10
7	65	12	63	12	62	15
9	68*	8	67	9	65*	10
10	65*	8	62	12	60*	13
11	65*	12	63	13	60*	15
12	64*	10	62	12	60*	14
13	65*	8	62	12	60*	13
14	65*	10	62	12	60*	13
16	67*	8	66	9	65*	10
17	64	9	62	12	58	15
18	65	8	65	8	62	12
19	64*	8	64	8	63*	8
20	62	11	62	11	60	13
21	60	10	58	12	55	18
22	65	8	63	10	60	12
23	65*	8	63	10	60*	12
24	65*	8	65	8	63*	10
25	65*	10	62	10	60*	12
26	65*	10	64	12	62*	14

Day: From 7:00 a.m. to 6:59 p.m. (* = change occurs at 0500L)**Evening:** From 7:00 p.m. to 9:59 p.m.**Night:** From 10:00 p.m. to 6:59 a.m. (* = change occurs at 0500L)

Note 1: RMTs #1 and #3 high threshold levels are due to high freeway and/or construction noise.

Note 2: Noise monitors comply with all applicable settings as specified in the California Noise Standards (Title 21). Noise events must meet both threshold criteria to be considered for further review.

Table 9

Daily/Monthly CNEL Levels – July 2021

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	69.9	65.7	65.7	64.5	68.1	74.3	65.8	62.3	70.4	60.0	65.0	64.0	63.1	64.3	55.4	59.2	60.1	56.4	63.2	61.3	63.3	59.9	62.2
2	69.4	65.5	66.6	64.2	68.2	74.2	65.7	61.9	70.1	60.1	65.3	63.4	63.2	64.9	66.4	57.7	59.6	55.3	63.4	61.8	63.6	59.5	62.4
3	68.2	64.5	63.3	63.3	66.6	72.9	64.6	60.4	68.7	57.8	63.0	62.2	62.2	62.8	52.9	59.8	57.7	54.2	61.1	58.8	61.0	58.5	60.9
4	68.6	64.6	66.0	63.5	66.9	72.4	64.3	68.7	68.3	59.5	63.3	62.2	62.3	63.1	54.2	58.2	58.5	54.0	61.3	61.1	61.0	59.0	61.7
5	69.2	65.2	65.0	64.1	68.4	73.9	66.3	62.2	70.0	59.3	64.4	63.3	62.7	63.3	57.2	57.6	59.9	56.5	62.3	59.8	62.5	59.9	61.6
6	68.3	64.6	62.3	63.4	67.8	74.0	66.5	62.4	70.4	60.8	65.1	63.5	62.4	63.2	56.2	61.0	60.1	57.5	63.3	62.0	63.6	60.0	63.6
7	69.1	65.5	63.2	64.3	67.6	74.2	66.2	62.1	69.9	59.9	64.9	63.3	63.5	63.5	56.6	62.6	59.2	55.2	62.9	61.8	63.3	59.1	62.0
8	69.5	65.9	64.3	64.3	67.6	74.0	64.8	62.1	70.3	60.9	65.3	64.3	63.7	65.5	54.7	60.3	60.2	57.3	63.4	63.0	64.2	61.1	62.4
9	69.1	65.4	65.5	64.1	68.0	74.3	66.2	62.1	70.4	60.5	65.1	64.2	63.1	63.6	56.6	61.5	60.1	57.1	63.2	61.2	63.2	60.7	61.6
10	68.1	64.5	61.7	63.0	67.0	73.9	65.3	61.3	69.7	60.0	63.9	63.3	62.5	62.6	58.8	60.8	59.3	55.9	62.1	60.2	62.0	59.7	60.5
11	69.0	65.4	62.0	63.8	67.1	74.2	65.5	61.7	70.7	59.7	65.1	64.2	63.2	63.5	55.9	62.7	59.8	56.6	63.6	61.5	63.1	60.4	61.9
12	68.1	65.2	61.6	63.5	68.0	74.9	66.1	62.8	71.5	61.3	65.5	65.5	62.7	63.4	57.3	62.8	60.6	57.4	63.5	61.1	63.4	61.2	61.4
13	69.1	65.2	62.6	64.1	67.0	73.9	65.6	61.3	69.8	59.8	65.0	63.6	63.2	63.4	54.6	60.9	59.6	56.1	63.3	61.6	63.1	60.1	62.2
14	68.9	65.1	62.5	63.9	67.4	74.0	65.8	61.7	70.0	59.6	64.5	63.4	62.9	63.4	57.1	62.4	59.3	55.5	62.6	60.6	62.7	59.5	61.6
15	69.5	66.0	63.5	64.8	67.7	74.0	65.9	62.3	70.4	59.9	65.2	64.6	63.8	64.3	55.5	59.9	60.3	57.3	63.4	61.4	63.2	60.8	62.6
16	69.6	65.7	65.3	64.5	67.9	74.4	66.3	62.3	70.6	60.7	65.6	64.7	63.5	64.0	56.5	60.2	60.6	57.5	64.0	62.2	63.9	61.5	62.6
17	68.2	64.2	63.7	63.1	66.9	73.8	65.0	61.3	70.3	59.7	64.7	63.9	62.3	62.5	55.3	60.1	60.0	56.1	63.0	61.1	62.7	60.2	61.1
18	68.6	65.0	64.0	63.7	67.2	73.7	65.7	61.5	70.0	59.2	64.7	63.8	62.6	63.4	52.7	59.5	59.8	57.5	62.9	61.9	62.8	60.8	64.9
19	68.2	64.6	62.8	63.8	67.8	74.2	66.4	62.1	70.3	60.3	65.1	64.4	62.3	63.1	55.8	58.9	60.2	57.2	63.3	60.5	63.0	61.2	61.1
20	68.4	64.7	62.7	63.8	67.5	73.5	65.5	61.4	69.6	64.6	64.2	63.5	62.2	62.9	57.0	58.4	59.5	56.6	62.7	60.4	62.6	60.1	61.2
21	68.9	64.9	62.3	63.9	67.8	74.0	65.9	61.9	70.3	60.1	64.7	63.7	63.0	63.2	54.8	61.3	60.0	57.0	62.9	60.8	62.9	60.7	61.8
22	69.6	65.6	63.7	64.7	68.6	75.1	66.3	62.9	71.0	61.6	66.2	65.4	63.4	63.7	57.1	63.4	60.5	58.3	64.5	62.5	64.2	62.0	62.2
23	69.5	65.5	65.1	64.5	68.3	74.4	66.0	62.4	70.4	60.7	65.2	64.2	63.5	63.7	58.3	62.8	59.8	55.9	63.6	62.0	63.5	60.0	62.1
24	68.2	64.8	61.7	63.2	67.1	73.5	65.5	61.7	69.6	59.4	64.5	63.4	62.5	62.8	54.7	59.7	59.5	55.8	62.6	60.8	62.6	59.9	61.2
25	68.5	64.8	62.3	63.9	67.6	73.8	65.2	61.9	70.1	59.6	64.5	63.8	62.5	63.2	55.7	61.8	59.8	56.2	62.8	60.6	62.6	60.4	61.5
26	69.3	65.3	64.4	64.5	68.8	74.5	65.9	62.4	70.6	59.8	65.1	64.7	62.7	63.7	55.7	59.6	60.1	57.2	63.3	60.3	62.9	61.0	61.9
27	68.2	64.3	65.2	63.4	67.5	74.3	64.0	61.1	70.3	60.0	64.1	63.9	61.8	62.9	53.8	53.4	58.6	54.6	62.2	60.1	62.2	58.8	60.9
28	68.9	65.2	64.3	64.0	67.7	73.5	65.2	61.3	69.7	59.6	64.1	63.3	62.7	64.2	57.4	56.3	59.5	56.1	62.4	59.8	62.3	60.2	62.9
29	69.9	65.9	67.6	65.4	67.9	73.9	65.6	61.9	70.3	61.3	67.0	64.0	63.6	64.5	56.8	57.3	60.6	57.0	62.8	59.8	62.7	61.1	62.8
30	69.8	65.6	67.9	65.2	68.4	74.7	66.1	62.3	70.8	65.9	65.5	64.0	63.1	64.5	58.4	58.5	60.8	56.4	63.6	61.9	63.9	60.6	62.4
31	67.6	63.7	66.0	62.9	66.7	73.0	63.2	59.9	69.0	57.2	63.0	63.2	61.1	62.2	52.5	52.8	58.0	53.9	61.4	63.5	61.0	58.2	59.8
Month	68.9	65.1	64.4	64.0	67.7	74.0	65.6	62.4	70.2	60.6	64.9	63.9	62.9	63.6	57.3	60.3	59.8	56.4	63.0	61.3	62.9	60.3	62.0

Table 10

Daily/Monthly CNEL Levels – August 2021

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	67.7	64.2	64.6	63.3	67.1	73.4	62.8	60.6	69.4	58.6	63.8	63.4	61.4	63.0	53.3	49.4	59.4	56.1	62.1	60.0	61.9	60.2	60.1
2	69.2	65.1	64.1	64.2	67.6	73.8	64.8	61.4	69.3	59.1	63.9	63.0	62.2	64.0	53.7	52.9	59.4	55.5	64.0	59.4	61.9	59.8	61.0
3	68.9	65.0	63.4	64.0	67.4	72.8	64.8	60.9	69.0	58.4	63.2	62.0	62.4	63.6	56.2	57.6	58.4	54.3	61.2	59.0	61.5	58.6	61.7
4	68.8	64.7	63.7	63.6	67.9	73.6	65.8	61.5	70.0	59.4	64.2	64.0	62.0	63.1	56.3	60.9	59.0	55.3	62.3	60.3	62.6	59.5	61.6
5	69.6	65.0	64.3	65.3	68.4	74.9	66.3	62.0	71.1	59.8	65.1	65.3	62.5	64.0	56.8	61.8	59.9	56.8	63.2	60.8	63.1	61.0	61.4
6	68.6	64.7	65.1	65.0	68.6	74.7	66.0	61.6	70.7	59.2	64.2	64.5	62.8	64.9	57.7	63.0	58.6	54.3	62.3	61.5	62.6	58.1	61.1
7	68.7	64.6	65.4	63.2	67.3	73.8	65.4	61.8	70.1	59.0	64.8	63.8	62.1	62.7	54.8	60.7	59.8	56.0	63.1	62.8	63.2	60.1	61.0
8	69.1	65.3	63.6	64.2	67.6	74.0	65.7	62.3	70.5	60.0	65.3	63.9	63.0	63.6	56.1	62.6	60.2	56.1	63.2	62.7	63.5	60.3	62.2
9	68.7	64.6	63.6	65.1	67.7	74.0	66.2	62.2	70.5	60.6	65.6	64.7	62.0	63.7	55.8	58.0	60.5	57.8	64.3	61.9	63.9	61.2	61.6
10	69.3	65.1	64.3	64.4	67.2	73.6	65.2	61.1	69.8	58.5	63.8	62.7	62.8	64.0	55.1	59.1	58.8	54.4	61.6	60.0	62.1	58.9	62.2
11	69.1	65.0	63.5	64.2	67.5	74.0	64.9	61.3	70.4	59.1	64.4	63.3	62.5	63.5	54.5	57.2	59.4	55.5	62.7	60.8	62.7	59.9	62.1
12	69.5	65.4	63.5	64.3	68.0	74.5	66.3	62.0	70.8	59.7	64.7	64.4	62.9	63.9	56.7	61.9	60.0	56.6	62.9	60.8	62.9	60.4	61.8
13	68.7	64.9	65.9	63.5	67.3	73.7	65.0	61.7	70.1	59.8	64.6	63.5	62.5	64.1	52.7	59.5	59.5	56.4	62.8	61.3	62.8	60.0	61.5
14	68.8	64.6	66.1	63.8	67.1	73.4	65.0	61.3	69.7	59.2	64.6	63.9	61.9	63.0	56.2	58.3	59.9	56.7	62.8	61.0	62.6	60.5	61.4
15	68.2	64.7	62.0	63.1	67.3	73.7	65.4	61.4	70.4	59.5	65.3	64.1	62.2	62.9	53.5	59.4	60.2	57.1	63.4	64.4	63.4	61.5	61.5
16	68.4	64.9	61.3	63.6	67.6	74.6	65.9	61.8	70.8	59.8	65.6	64.3	62.7	65.4	56.3	62.9	60.1	57.0	64.0	62.0	63.9	61.6	62.2
17	68.6	64.7	61.3	63.4	67.4	73.9	65.8	61.8	69.9	59.3	64.2	62.6	62.5	64.5	56.1	62.8	59.9	54.4	62.0	60.9	62.6	58.4	61.4
18	69.0	65.1	62.2	64.2	67.0	73.9	65.6	61.3	70.1	59.6	65.2	63.7	62.9	63.5	55.8	62.3	59.1	56.4	63.4	61.8	63.6	61.2	62.0
19	69.4	65.7	62.9	64.5	68.4	73.8	66.6	62.6	70.0	60.2	65.6	64.6	63.0	63.9	58.1	61.9	60.3	57.5	64.3	62.4	63.8	61.5	62.5
20	69.6	65.7	66.6	64.3	68.0	73.7	65.8	62.2	70.1	60.1	65.4	64.4	63.1	64.0	56.4	59.9	60.7	57.3	63.9	62.0	63.5	62.2	62.4
21	68.4	64.6	64.8	63.2	67.3	73.0	65.1	61.7	69.2	59.2	64.5	63.3	62.1	63.0	57.0	61.2	59.5	56.5	62.9	61.4	62.9	60.3	61.4
22	68.6	64.8	63.4	63.5	67.5	73.3	63.3	61.7	69.9	60.2	65.3	64.1	62.2	63.2	54.8	53.7	60.2	57.6	63.6	61.7	63.4	61.5	61.6
23	68.4	64.8	63.1	63.6	67.9	73.4	65.7	62.2	69.8	60.2	65.3	64.2	62.3	63.1	57.2	58.2	60.0	57.6	63.8	61.6	63.4	61.1	62.2
24	68.8	64.4	64.6	63.3	67.2	72.9	62.7	61.6	69.3	61.5	64.7	64.2	62.1	63.2	52.1	54.4	59.9	57.2	63.2	61.5	62.8	61.0	61.8
25	68.4	64.4	63.6	63.7	67.2	73.2	63.8	61.1	69.5	59.0	63.8	62.9	61.7	62.7	57.0	53.3	59.5	55.6	62.1	60.0	62.0	59.9	61.7
26	68.7	64.8	63.9	63.9	67.4	73.5	64.6	61.3	69.4	58.5	63.5	63.1	62.3	63.3	55.4	55.4	59.2	55.6	61.9	58.9	61.4	59.6	61.4
27	69.1	65.0	66.2	65.4	67.6	73.3	65.3	60.9	69.7	59.0	63.6	62.8	62.6	63.1	58.4	58.6	59.4	54.9	61.5	60.3	62.2	59.6	61.7
28	68.0	63.7	65.3	63.3	66.2	73.3	64.8	59.6	69.6	59.3	64.0	63.2	61.3	62.0	55.3	56.7	59.4	54.7	61.2	58.8	61.0	59.0	60.6
29	68.4	64.4	63.8	63.4	67.0	73.0	64.5	60.2	69.3	57.7	64.0	63.0	61.9	62.8	54.1	57.4	59.1	55.5	62.0	60.3	62.2	59.9	61.3
30	68.1	64.6	61.3	63.2	67.6	73.2	64.8	61.7	69.6	59.5	64.4	63.1	62.2	63.0	56.1	61.3	59.4	55.6	62.5	60.4	62.7	59.6	61.5
31	68.3	64.5	60.7	63.0	67.4	72.8	64.3	61.5	69.0	59.8	64.0	62.4	62.5	62.6	54.4	61.1	59.0	55.6	62.0	60.8	62.8	59.1	61.1
Month	68.8	64.8	64.1	63.9	67.5	73.7	65.2	61.5	69.9	59.5	64.6	63.7	62.4	63.5	55.9	59.9	59.6	56.2	62.9	61.2	62.8	60.3	61.6

Table 11

Daily/Monthly CNEL Levels – September 2021

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	68.6	64.8	62.3	63.8	67.5	72.9	64.8	61.9	69.4	59.8	64.7	63.6	62.5	63.1	56.4	61.2	59.9	57.3	63.0	60.9	62.7	60.6	61.7
2	69.7	65.6	64.0	64.2	68.2	73.7	65.5	62.6	70.1	60.4	65.6	64.7	62.9	63.9	55.3	59.5	60.6	57.9	64.1	61.9	63.6	62.3	62.3
3	69.8	65.5	67.5	64.3	68.6	74.0	65.4	62.0	70.4	59.4	64.1	63.0	63.0	63.9	54.7	56.7	60.0	55.6	61.9	59.2	62.3	59.6	62.6
4	67.4	62.9	65.9	62.7	66.8	72.4	62.3	59.7	68.1	58.2	62.1	62.6	59.8	61.5	62.7	52.0	58.9	56.1	60.3	57.8	59.9	59.7	58.8
5	68.1	63.6	63.1	69.8	66.4	72.4	63.7	59.9	68.7	57.2	62.7	62.0	61.6	62.0	55.6	59.5	57.9	54.5	60.7	58.5	60.9	58.5	60.4
6	68.0	64.5	60.6	63.2	67.1	73.6	65.2	60.9	69.1	58.1	64.1	62.8	62.3	62.8	54.6	62.4	57.8	54.4	62.2	60.9	62.4	58.9	61.6
7	67.2	63.4	61.5	62.0	66.9	73.0	65.2	61.0	69.2	58.4	63.9	62.3	61.4	64.4	53.2	60.3	58.4	54.8	62.3	60.2	62.1	58.9	60.0
8	68.4	64.4	62.7	63.6	66.9	73.1	64.0	61.1	69.4	58.5	64.3	63.3	61.8	67.2	52.0	56.7	58.7	55.6	62.6	59.8	62.6	59.8	61.3
9	68.8	65.2	62.8	63.8	67.8	73.6	65.6	61.9	70.1	60.0	64.9	64.5	62.4	63.3	60.7	61.3	59.8	57.0	63.3	60.9	63.0	61.0	62.7
10	68.9	64.9	65.6	63.7	67.0	73.0	63.1	60.8	69.4	59.2	63.9	63.3	62.3	63.3	52.4	55.9	59.5	56.1	62.2	60.0	62.3	60.3	61.8
11	66.9	63.3	63.5	61.7	66.4	72.1	63.8	59.8	68.4	57.3	62.8	62.7	60.5	61.5	55.9	57.1	58.5	55.6	61.4	58.9	61.6	59.5	59.7
12	68.4	64.7	63.7	63.6	66.7	73.1	63.7	60.5	69.2	57.9	63.1	62.5	61.9	63.5	53.3	52.3	59.4	55.4	61.2	58.8	61.2	59.6	61.6
13	67.7	64.0	62.0	63.2	68.5	72.6	63.6	60.9	69.1	58.1	62.7	61.8	61.6	62.3	51.6	54.9	58.8	54.3	60.8	57.9	61.1	58.3	61.0
14	68.4	64.2	62.3	62.8	66.7	72.2	63.4	60.8	68.8	59.8	63.0	62.3	61.9	62.4	51.2	60.1	57.8	54.1	61.0	59.4	61.3	58.5	61.1
15	68.6	64.5	63.4	63.7	66.6	72.7	64.1	60.8	69.4	61.2	64.3	63.1	62.1	62.9	53.6	56.7	59.3	55.7	62.4	60.3	62.5	60.0	61.6
16	69.4	65.4	64.6	63.9	67.9	73.6	65.7	62.3	70.1	60.3	65.4	64.0	62.9	63.7	54.9	57.5	60.4	57.4	63.5	61.6	63.5	61.4	62.6
17	69.4	65.3	66.2	64.0	68.1	73.2	65.5	61.9	69.7	59.7	64.9	64.0	63.1	63.7	55.8	60.6	60.3	57.1	63.2	61.3	63.1	60.9	62.7
18	68.0	63.7	65.3	62.5	66.4	71.8	62.5	60.4	68.5	58.7	63.8	63.1	61.3	62.3	50.7	51.8	59.3	56.3	62.0	59.8	62.0	60.4	60.9
19	69.1	65.1	64.7	63.6	67.4	73.6	66.4	61.6	70.0	59.5	64.8	63.7	62.8	63.5	54.0	60.4	59.9	56.6	62.7	60.3	63.0	60.6	62.0
20	68.3	64.5	62.8	63.2	67.1	73.9	68.4	61.7	70.4	59.8	65.4	64.2	62.7	62.9	56.5	64.9	59.8	57.3	63.9	61.4	63.5	60.6	61.7
21	67.2	63.4	63.8	62.4	65.8	72.1	63.9	60.1	68.5	57.8	62.6	62.0	61.1	61.9	59.4	59.2	57.6	54.1	61.0	58.8	60.9	58.2	60.0
22	68.0	64.1	63.9	62.9	66.6	72.4	62.5	60.3	68.3	58.2	63.2	62.3	61.6	62.6	52.3	54.8	59.0	55.4	61.6	58.9	61.4	59.1	60.6
23	69.3	65.3	65.4	64.3	68.1	73.6	65.4	61.9	70.2	60.1	64.6	63.6	62.9	63.9	55.6	59.3	60.1	56.3	62.8	60.2	63.1	60.4	62.3
24	69.6	65.3	66.2	64.1	67.7	73.7	65.1	62.2	70.3	61.8	65.3	63.7	63.1	63.6	54.9	59.4	60.2	56.3	63.7	62.2	63.8	60.4	62.3
25	67.9	63.8	64.2	62.4	65.9	72.2	64.6	60.6	68.8	58.5	63.7	63.3	61.4	62.1	55.9	61.2	58.9	56.5	61.9	60.0	61.7	59.9	60.4
26	69.2	65.1	64.8	64.0	67.5	73.5	65.6	62.1	70.0	59.8	64.9	64.0	62.7	63.6	56.4	59.9	60.0	56.3	63.0	60.9	63.2	60.5	61.7
27	68.6	64.6	62.4	63.2	67.7	73.3	65.3	62.4	69.9	60.7	65.1	64.3	62.4	63.1	55.8	60.5	59.9	57.0	63.6	61.4	63.4	60.8	61.5
28	68.0	64.3	61.4	62.8	66.6	72.0	63.7	61.0	68.8	59.9	64.2	63.3	62.2	62.5	52.0	58.8	58.9	56.6	62.5	60.1	62.4	60.3	61.3
29	68.5	64.5	63.6	63.2	67.1	72.4	63.8	61.3	69.1	59.7	64.2	63.5	62.2	63.1	52.6	58.6	59.2	56.8	62.7	60.5	62.4	60.5	61.4
30	69.3	64.9	66.9	63.7	67.6	74.0	66.8	61.9	70.1	60.9	64.0	63.5	63.3	63.7	62.3	63.5	59.9	56.4	62.2	59.4	62.1	60.3	61.5
Month	68.6	64.6	64.2	63.8	67.2	73.0	64.8	61.3	69.4	59.4	64.2	63.3	62.2	63.3	56.3	59.6	59.4	56.1	62.4	60.2	62.4	60.1	61.5

Table 12

Air Carrier Operations by Aircraft Type captured by the Noise Monitoring System.

Aircraft Type	Air Canada Jazz	Air Canada Rouge	Alaska Airlines	Allegiant Air	American	British Airways	Delta Air Lines	Edelweiss	Frontier Airlines	Hawaiian	Horizon Air	Japan Airlines	jetBlue	Lufthansa	SkyWest Airlines	Southwest Airlines	Spirit Airlines	Sun Country Airlines	United Airlines	Westjet	Swift Air (DHL)	FedEx Express	UPS Airlines	Total Operations		
A20N	0	0	0	0	0	0	0	0	546	0	0	0	0	0	0	0	228	0	0	0	0	0	0	774		
A21N	0	0	16	0	21	0	0	0	0	184	0	0	48	0	0	0	0	0	0	0	0	0	0	0	269	
A319	0	0	0	262	0	0	2	0	0	0	0	0	0	0	0	0	225	0	218	0	0	0	0	0	707	
A320	0	0	314	126	160	0	234	0	239	0	0	0	194	0	0	0	106	0	345	0	0	0	0	0	1,718	
A321	0	0	0	0	2,220	0	902	0	84	0	0	0	808	0	0	0	0	0	0	0	0	0	0	0	4,014	
A332	0	0	0	0	0	0	6	0	0	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	
B38M	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	2,203	0	0	0	0	0	0	0	0	2,207	
B39M	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	438	0	0	0	0	0	817	
B734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0	0	120	
B737	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	6,381	0	0	26	0	0	0	0	0	6,415	
B738	0	0	1,558	0	1,803	0	673	0	0	0	0	0	0	0	0	4,187	0	130	1,911	0	117	0	0	0	10,379	
B739	0	0	1,641	0	0	0	412	0	0	0	0	0	0	0	0	0	0	0	1,343	0	0	0	0	0	3,396	
B752	0	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	14	0	0	287	0	0	625	
B753	0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	2	0	0	556	0	0	881	
B763	0	0	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	2	0	26	0	204	0	396	
B764	0	0	0	0	0	0	773	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	773	
B788	0	0	0	0	0	0	0	0	0	0	0	165	0	0	0	0	0	0	0	0	0	0	0	0	0	165
CRJ9	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
E175	0	0	0	0	0	0	0	0	0	0	2,544	0	0	0	3,984	0	0	0	0	0	0	0	0	0	0	6,528
Jet	122	0	3,916	388	4,208	0	3,813	0	869	374	2,544	165	1,050	0	3,984	12,771	559	130	4,299	0	263	843	204	0	40,502	
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153	0	153	
C208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	431	0	0	431	
Prop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	431	153	0	584	
All Ops	122	0	3,916	388	4,208	0	3,813	0	869	374	2,544	165	1,050	0	3,984	12,771	559	130	4,299	0	263	1,274	357	0	41,086	