

# Monthly Noise & Operations Report January 2021

Prepared by:  
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Environmental & Noise Analyst



## Introduction:

DeKalb-Peachtree Airport (PDK) is located in a highly noise-sensitive area as it is surrounded by residential communities. Aircraft noise is noise pollution generated by an aircraft, and January occur during all phases of flight. For instance, while aircraft are on the ground, taxiing, operating auxiliary power units (APUs), and conducting run-ups January contribute noise pollution to the surrounding areas. While aircraft are in the air, noise pollution can occur underneath and to the sides of departure and arrival paths.

The primary goal of the **PDK Good Neighbor Program** is to serve as a community-based program with aims to reduce aircraft noise levels in the vicinity of the airport. Since its inception, the program has sought to increase awareness of airport operations and develop airport/community partnerships with the surrounding cities of Chamblee, Doraville, Dunwoody, Brookhaven, North Atlanta (including the Buckhead community), and others. The program is a multifaceted one that uses many approaches to convey information in a succinct manner.

The program strives to reduce overall aircraft noise disturbances by soliciting airport-user involvement. Community and airport participation, learning, and cooperation are the keys to the program's success.

This report provides a monthly summary of airport operations, noise disturbances, and impacts to the surrounding neighborhoods to airport users and the surrounding communities.

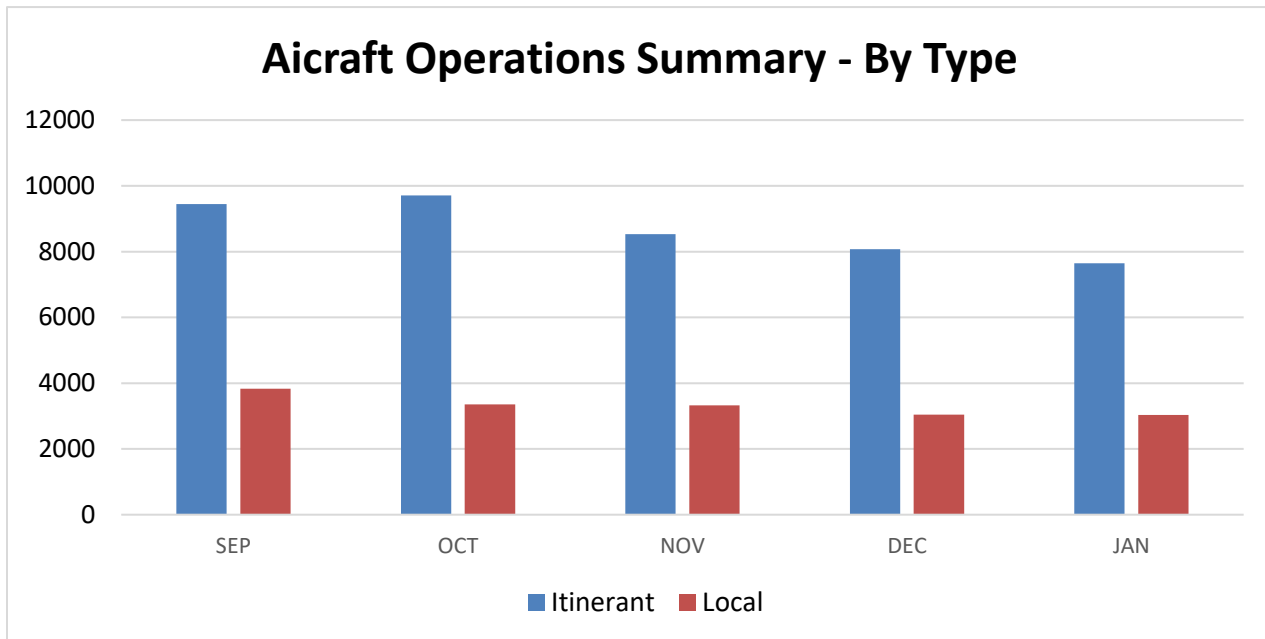
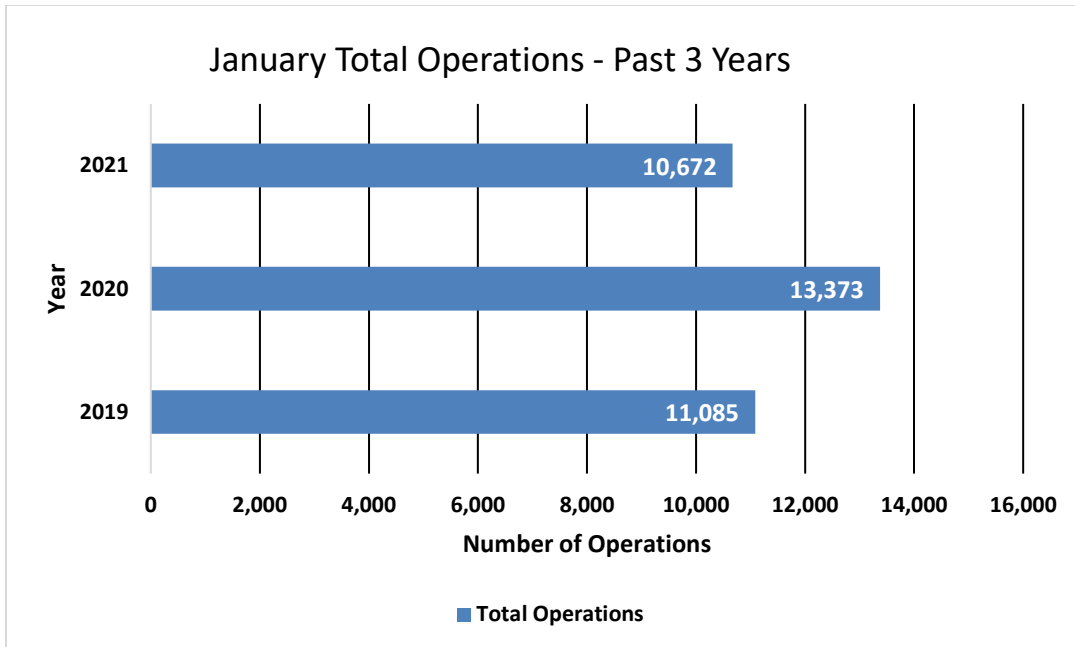
## January 2021 Aircraft Operations:

	<b>This Month</b>	This Month, Last Year (January 2020)	% Change from January 2020	5-Year Average for Month
Total Operations	<b>10,672</b>	<b>13,373</b>	<b>-20.20%</b>	<b>11,654</b>
Itinerant	<b>7,643</b>	<b>9,231</b>	<b>-17.20%</b>	<b>8,499</b>
Local	<b>3,029</b>	<b>4,142</b>	<b>-26.87%</b>	<b>3,155</b>
Voluntary Curfew Ops	<b>262</b>	<b>309</b>	<b>-15.21%</b>	<b>306</b>
Prior Authorization	<b>90</b>	(2) Noise disturbance calls associated with these flights. (1) Voluntary curfew ops were associated with these flights.		

**Prior Authorization**  
(Section 6-93 Code)  
**Operation**  
**Itinerant**  
**Local**  
**Voluntary Curfew Ops**

**Aircraft certified by the FAA with a max gross take-off weight greater than 75,000 pounds**  
**One take-off or landing. Touch-and-go counts as two operations**  
**Non-touch-and-go (regular operations)**  
**Operations within 20 miles of Airport**  
**Operations that occur between the hours of 11:00 p.m. and 6:00 a.m.**

# January 2021 Aircraft Operations Summary

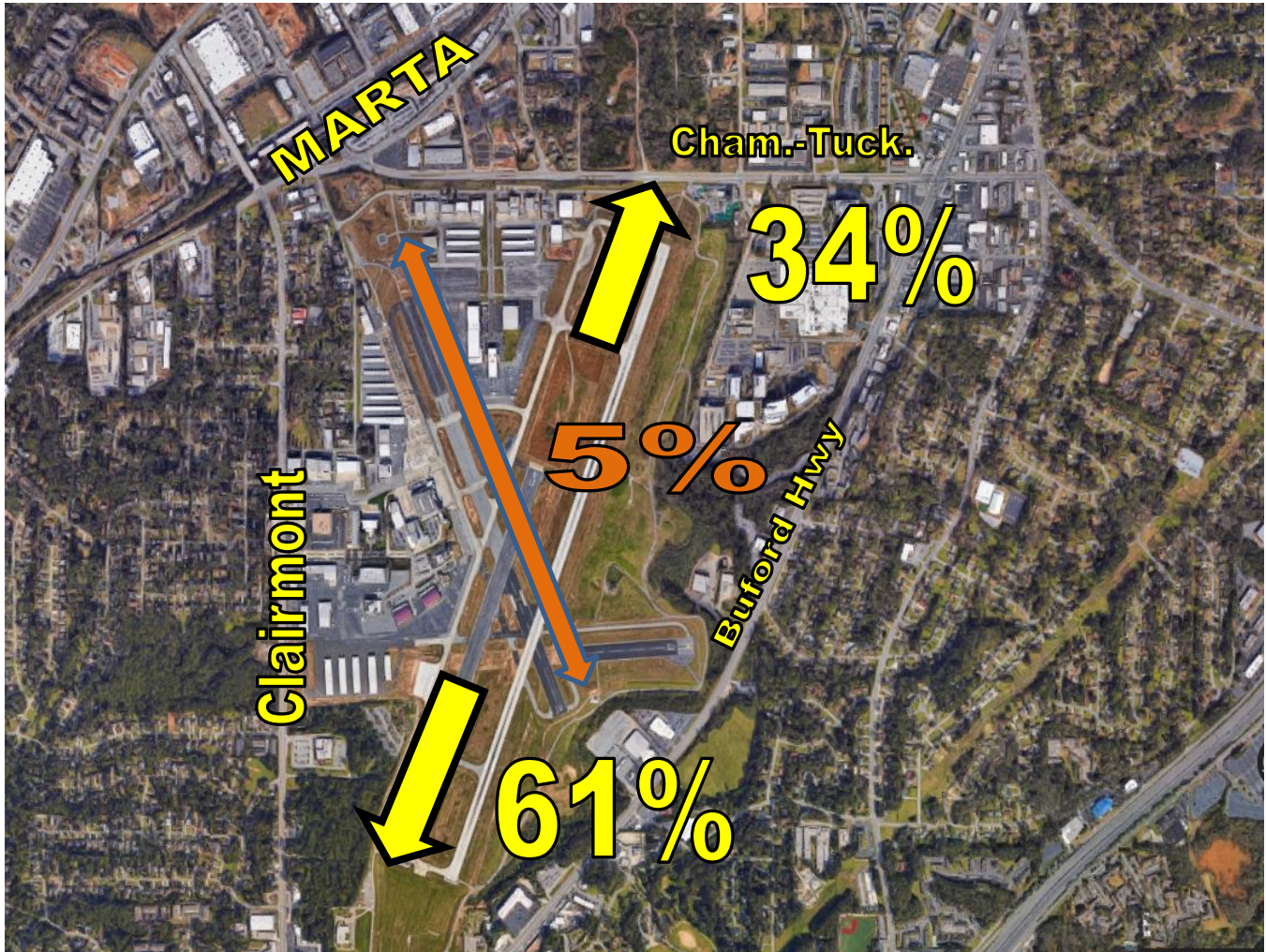


2020 Total Operations	2020 Total Operations as of January 2020	Total 2021 Ops as of January 2021
138,420	13,373	10,672 (-20.20%)

<b>2021 Operations by Month</b>				
	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
<b>JAN</b>	<b>7,643</b>	<b>3,029</b>	<b>10,672</b>	<b>262</b>
FEB				
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

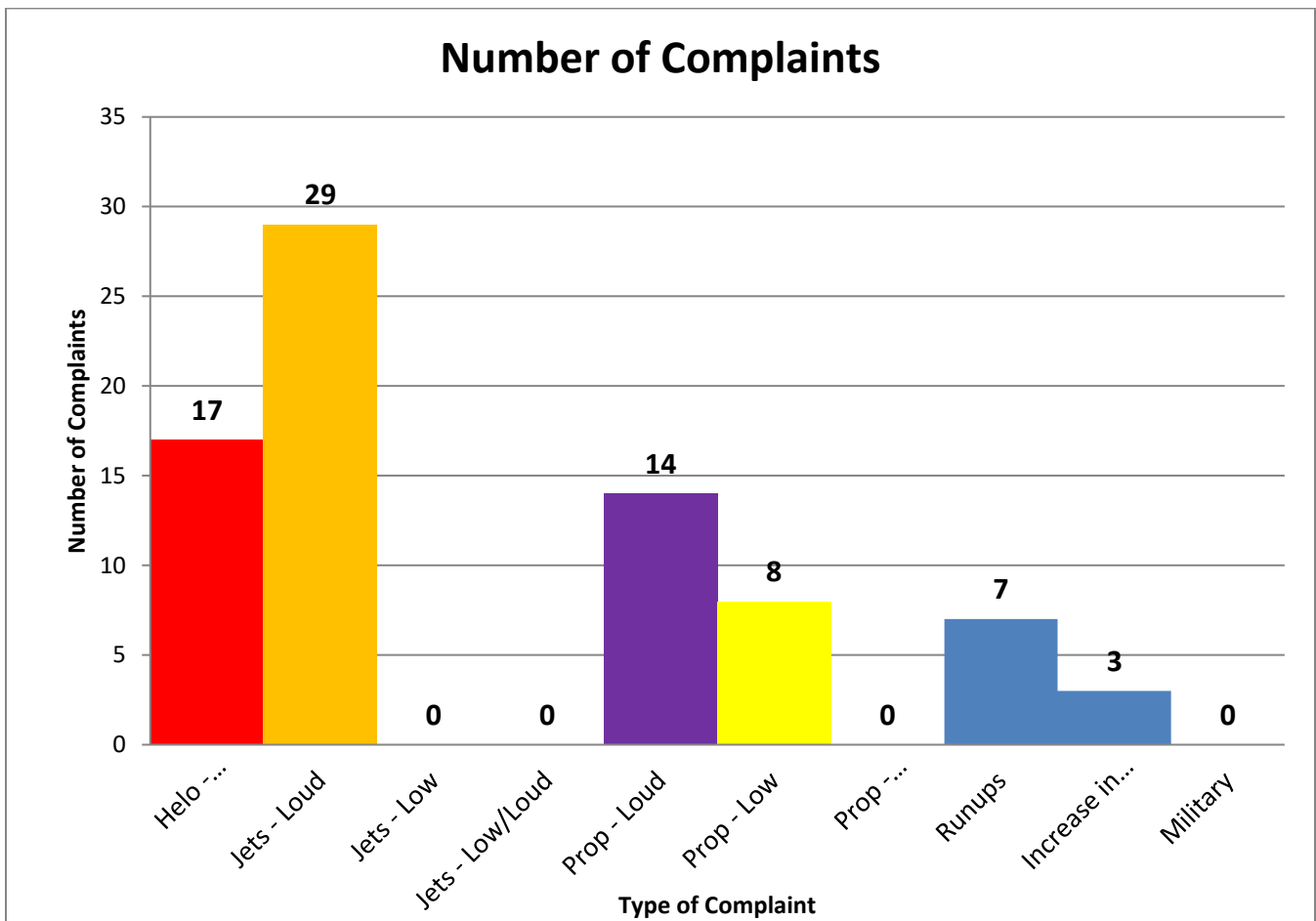
# Runway Mode of Operations – January 2021

Directional use of runways has a major effect on flight patterns and the areas affected by flight operations. Weather and wind direction generally determines runway selection. When the tower is open, the FAA Air Traffic Control Tower determines the directional use of the runways. When possible, the tower will try to keep operations on a northbound flow (takeoffs and landings to the north) for noise abatement.

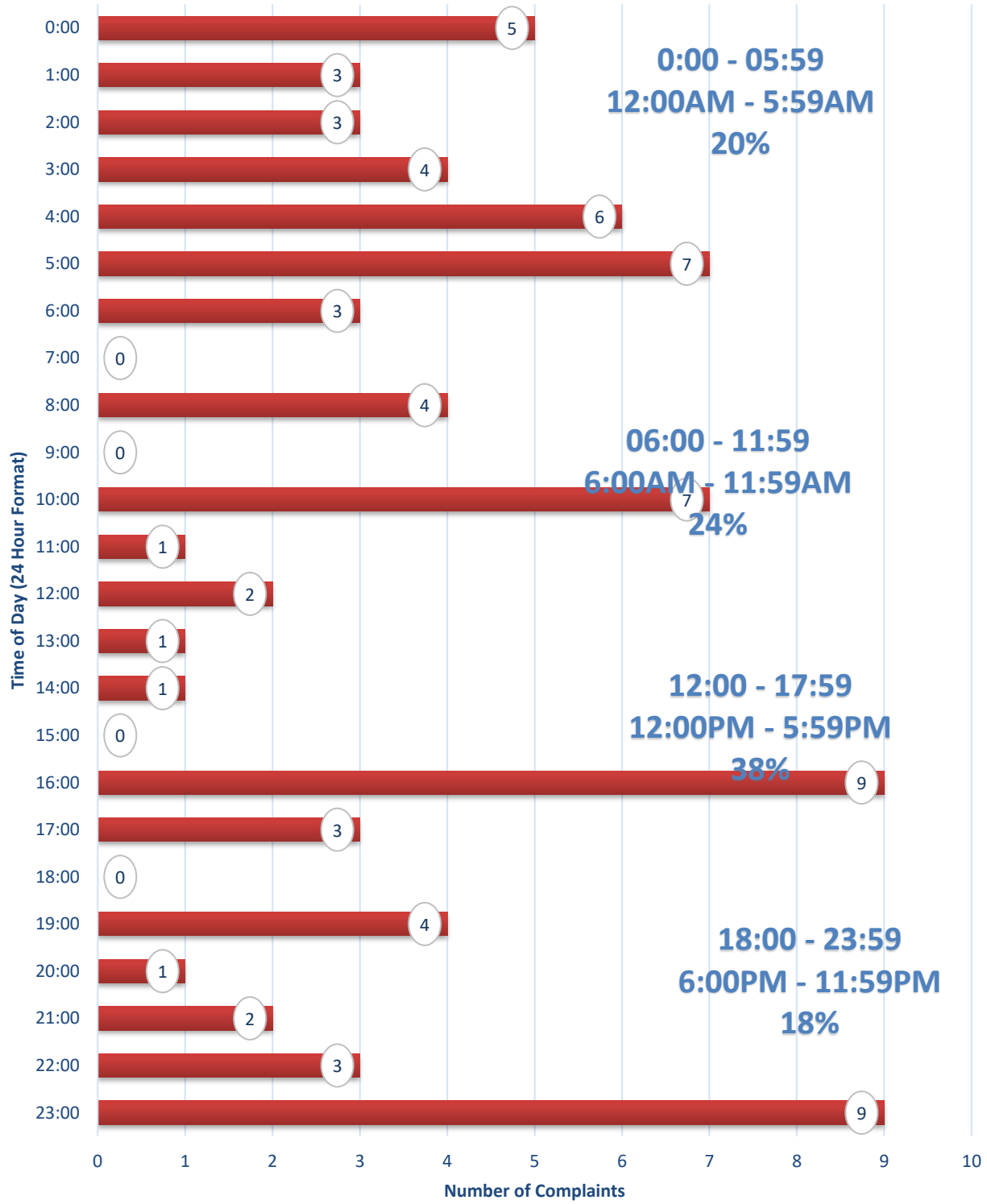


# Noise Disturbance Summary

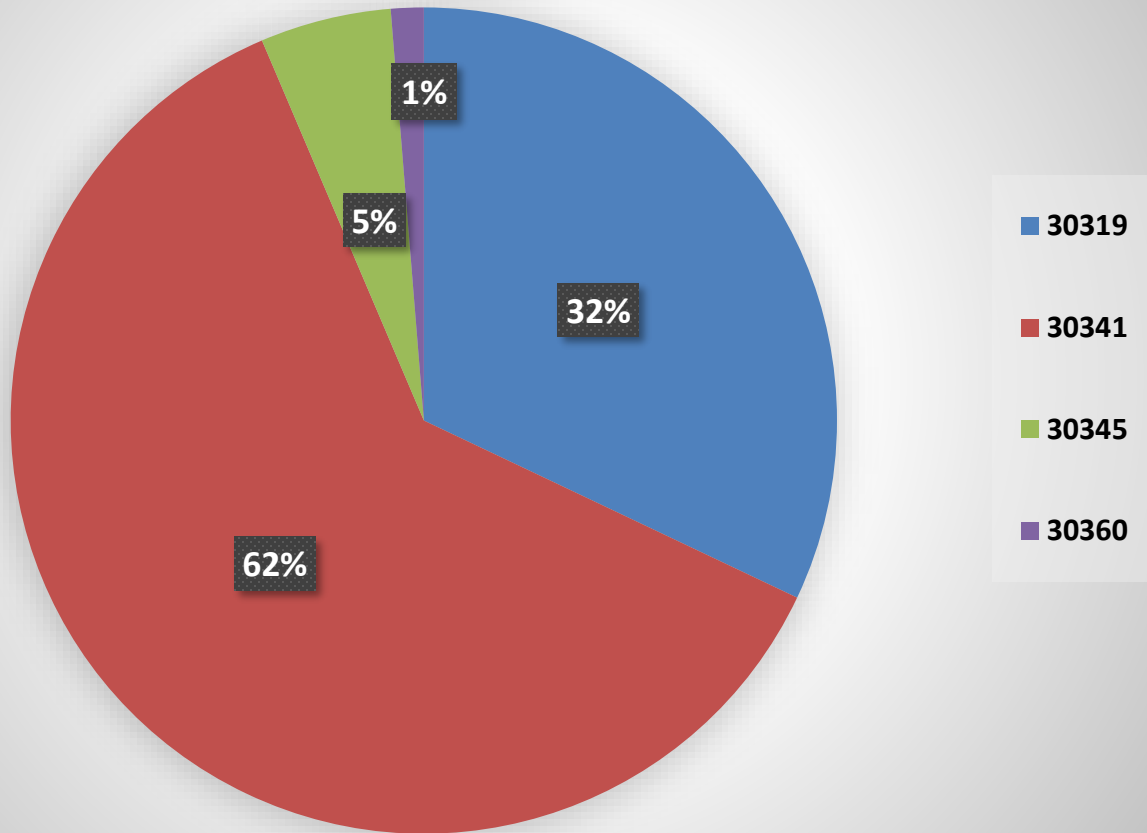
Total complaints for January 2021	Monthly Complaint Average 2021	January 2021 Complaints per Household <i>(minus top two/Households)</i>	January 2021 Complaints per Household <i>All Inclusive</i>
78	78	2.1	7.1



## Number of Complaints by Hour



## Zip Code Complaints



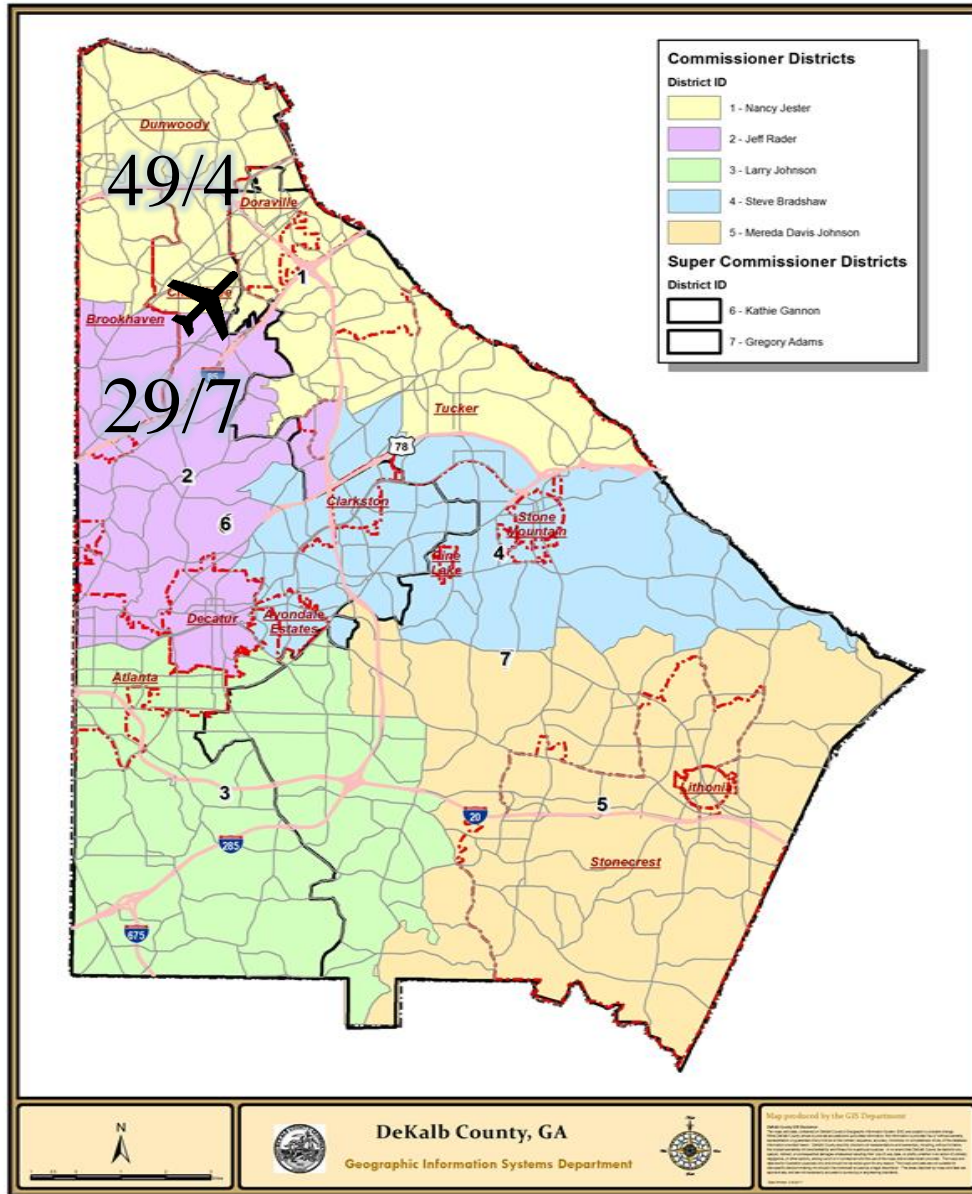
<b>Zip Code Guide</b>		
<b>Zip Code</b>	<b>Community</b>	<b>% of Complaints</b>
30319	Brookhaven	32%
30341	Chamblee - North	62%
30345	Chamblee - South	5%
30360	Dunwoody	1%



# Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	17
Sims	1591 Harts Mill Rd NE	Atlanta	30319	1
Anon - 1	2449 Dresden Dr	Atlanta	30341	42
Bailie	1799 Tobey Rd.	Chamblee	30341	3
Ledford	3811 Harts Mill Ln	Atlanta	30319	4
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	2
Yates	1889 9th Street	Chamblee	30341	3
Lowndes	2416 Dunwoody Hollow Dr	Atlanta	30360	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	3
Douglas	2427 Coosawattee Dr NE	Atlanta	30319	1

# Complaints per Commission District



Total Number of Complaints

78 / 11




Total Number of Complainants

There were 0 complainant(s) outside of DeKalb County with 0 complaint(s) total.

There were 0 complainant(s) with an unknown address with 0 complaint(s) total

# Correlation Chart of Noise Complaints to Operations

## Chart Legend:

-  = Complaint + high noise event
-  = Complaint + high noise + PDK curfew operation
-  = Complaint + PDK curfew operation

The airport correlated **72 (92.3%)** out of **78** complaints:

- **65 or 83.3%** of the noise complaints were found to be **Direct** correlations
- **7 or 8.9%** were **Indirect** correlations to operations
- **6 or 7.8%** were **Not Correlated**.
- **Direct** = *Linked to a specific flight operation to/from PDK over a house/monitor (NOMS or manual correlation).*
- **Indirect** = **Not linked to a specific flight operation** (take-off thrust, reverse thrust; maintenance run-ups) **OR** flight operation **not originating or terminating at PDK**.
- **Not correlated** = *There was no noise event and/or aircraft track based on either NOMS correlation or manual research.*

## Definitions:

**NOMS:** Noise and Operations Monitoring System

**Op Type:** Operation; Approach, Departure, or Overflight

**Name:** Name of Complainant

**Offense Start:** Date/Time of offense to complainant

**Flight ID:** Tail number of aircraft or military call sign

**Flight Time:** Actual Date/Time of correlated offense

**NMS:** Noise Monitoring Station

**Rwy:** Runway

**LMAX:** Maximum A-weighted sound level for a given event

Please contact: *Korey Barnes, Airport Noise and Environmental Analyst*, for more information regarding the PDK Good Neighbor Program at (770) 936-5440 or [kbarnes@dekalbcountyga.gov](mailto:kbarnes@dekalbcountyga.gov).

PDK maintains a **hotline** that permits residents to report noise concerns by dialing: **(770) 936-5442** or e-mailing: [pdknoise@dekalbcountyga.gov](mailto:pdknoise@dekalbcountyga.gov)



Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
F	1/2/2021 0:02	1/2/2021 0:29	21L	A	AC50	CTL67		
Schneeberg	1/2/2021 16:35	1/2/2021 16:16	21R	D	UNKN	N258SB		
Schneeberg	1/2/2021 17:01	1/2/2021 16:56	21L	D	UNKN	N628JW		
F	1/2/2021 23:33	1/2/2021 23:51	21L	A	C750	FTH102		
F	1/3/2021 1:07							
F	1/3/2021 21:00	1/3/2021 21:05	21L	A	E135	N311RF	NMS03	83.2
Bailie	1/3/2021 23:30	1/3/2021 23:40	UNK	O	UNKN	N887AE	NMS04	67
F	1/3/2021 23:54	1/3/2021 23:48	UNK	O	UNKN	LBQ2021	NMS03	70.5
Bailie	1/4/2021 0:27							
Schneeberg	1/4/2021 10:10	1/4/2021 10:15	UNK	A	UNKN	N544SA		
Schneeberg	1/4/2021 10:17	1/4/2021 10:41	03R	A	PC12	CNS422		
Schneeberg	1/4/2021 10:22	1/4/2021 10:41	03R	A	PC12	CNS422		
Schneeberg	1/4/2021 10:25	1/4/2021 10:41	03R	A	PC12	CNS422		
Schneeberg	1/4/2021 16:04	1/4/2021 15:59	03L	A	UNKN	N392CV		
Hunnicut	1/5/2021 5:14	1/5/2021 5:03	21L	D	GLF4	N927JA	NMS04	79.8
F	1/5/2021 6:06	1/5/2021 6:03	16	D	UNKN	N2AQ		
Schneeberg	1/5/2021 8:53	1/5/2021 8:28	UNK	O	UNKN	N796AB		
Schneeberg	1/5/2021 8:58	1/5/2021 8:28	UNK	O	UNKN	N796AB		
F	1/6/2021 4:25							
F	1/6/2021 23:22							
F	1/7/2021 2:34	1/7/2021 2:06	UNK	O	UNKN	N147LM		

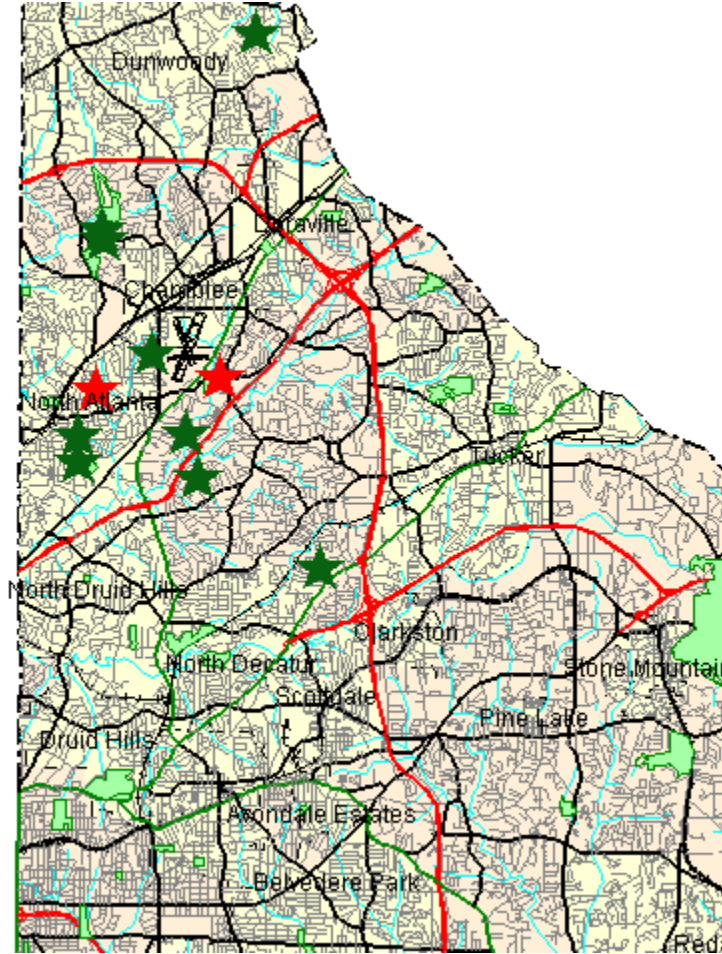
Friedman	1/7/2021 20:11	1/7/2021 20:16	03R	A	C56X	JTL935	NMS02	67.3
Sims	1/9/2021 1:30	1/9/2021 1:20	03R	D	AC50	CTL67	NMS01	88.2
F	1/10/2021 4:47	1/10/2021 4:50	21L	A	C560	N560LC		
F	1/10/2021 5:38	1/10/2021 5:31	03R	D	C560	N560LC	NMS03	79.1
Schneeberg	1/10/2021 8:55	1/10/2021 8:55	03R	A	BE33	N186RL		
Schneeberg	1/10/2021 12:46	1/10/2021 12:58	21R	T	UNKN	N7441T		
Schneeberg	1/10/2021 13:20	1/10/2021 13:07	21R	D	UNKN	N658A		
Schneeberg	1/10/2021 16:16	1/10/2021 16:22	21R	T	UNKN	N258SB		
Schneeberg	1/10/2021 16:18	1/10/2021 16:22	21R	T	UNKN	N258SB		
Schneeberg	1/10/2021 16:24	1/10/2021 15:57	21R	D	C172	N9968F		
Schneeberg	1/10/2021 16:39	1/10/2021 16:14	UNK	O	UNKN	N1958C		
F	1/12/2021 0:03	1/12/2021 0:23	21L	A	C560	N154JK		
F	1/12/2021 23:49	1/12/2021 23:46	21R	D	RV7	FFL400	NMS03	69.1
Friedman	1/13/2021 10:00	1/13/2021 9:51	21R	D	SR22	N976BA	NMS02	80.8
Lowndes	1/14/2021 16:28	1/14/2021 16:28	21L	A	SR22	N702DS		
F	1/16/2021 2:49	1/16/2021 2:52	21L	A	PC12	SKQ43		
F	1/16/2021 2:49	1/16/2021 2:52	21L	A	PC12	SKQ43		
F	1/16/2021 3:27	1/16/2021 3:21	21L	D	C208	N414CY	NMS03	76.5
F	1/16/2021 3:40	1/16/2021 3:33	21L	D	PC12	SKQ43	NMS03	74.7
F	1/16/2021 5:42	1/16/2021 5:40	21L	D	SR22	N426DJ	NMS03	81
F	1/16/2021 5:48	1/16/2021 5:40	21L	D	SR22	N426DJ	NMS03	81
Schneeberg	1/17/2021 11:14	1/17/2021 11:06	21R	D	UNKN	N9522L		
F	1/17/2021 23:13	1/17/2021 23:17	21L	A	CL35	EJA765		

F	1/17/2021 23:40	1/17/2021 23:45	21L	A	C25B	DCM4289		
F	1/18/2021 5:58	1/18/2021 5:53	UNK	O	ASTR	N946HC		
Fox	1/18/2021 6:19	1/18/2021 6:16	16	D	UNKN	N2AQ		
F	1/19/2021 0:46	1/19/2021 0:47	UNK	D	UNKN	CTL67		
F	1/19/2021 17:23	1/19/2021 17:24	21L	A	C25B	N800CU		
F	1/19/2021 17:32	1/19/2021 17:17	21L	D	SR22	N414TX	NMS03	74.5
F	1/19/2021 21:18	1/19/2021 21:23	21L	A	FA50	N50HN	NMS03	69.7
F	1/19/2021 22:52	1/19/2021 22:52	21L	A	GLEX	N683GA		
F	1/19/2021 23:14	1/19/2021 23:14	21L	A	B350	N935JC		
Fox	1/20/2021 3:31	1/20/2021 3:23	21L	D	PC12	SKQ31	NMS03	69.1
Fox	1/20/2021 6:17	1/20/2021 6:04	21L	D	FA50	N291FJ	NMS03	74.8
Yates	1/20/2021 10:38	1/20/2021 10:42	03L	A	UNKN	N885GT		
Bailie	1/20/2021 19:05	1/20/2021 19:11	21L	D	C25B	JTL83		
F	1/20/2021 22:00	1/20/2021 21:52	21L	D	C560	N900PS		
F	1/21/2021 1:13	1/21/2021 1:05	21L	D	AC50	CTL67	NMS03	76
F	1/21/2021 10:14	1/21/2021 10:18	21L	D	LJ60	N614SG	NMS03	71.2
Yates	1/22/2021 16:22	1/22/2021 16:24	UNK	A	UNKN	N98PC		
Ledford	1/23/2021 14:21	1/23/2021 14:45	03L	A	UNKN	N904WR		
F	1/25/2021 5:12	1/25/2021 5:06	21L	A	SR22	N428ZZ		
F	1/25/2021 23:32	1/25/2021 23:37	UNK	A	UNKN	N423AE	NMS03	80.6
F	1/26/2021 5:11							
Douglas	1/26/2021 19:00	1/26/2021 18:48	21R	D	UNKN	UNKNOWN		
F	1/26/2021 22:21	1/26/2021 22:24	21L	A	FA50	N299PR	NMS03	71.3



F	1/28/2021 3:57	1/28/2021 3:49	34	A	C208	N414CY		
F	1/28/2021 4:07	1/28/2021 4:07	03R	D	GLF5	SIS78	NMS03	69.2
F	1/28/2021 4:13	1/28/2021 4:07	03R	D	GLF5	SIS78	NMS03	69.2
F	1/28/2021 4:21	1/28/2021 4:02	03R	D	C208	N414CY		
F	1/28/2021 4:45							
F	1/28/2021 16:55	1/28/2021 16:57	UNK	A	UNKN	N98PC		
F	1/28/2021 19:33	1/28/2021 19:22	03R	D	E55P	LXJ354		
Ledford	1/28/2021 19:41	1/28/2021 19:45	03R	A	UNKN	N98PC		
Ledford	1/29/2021 8:36	1/29/2021 8:15	34	D	UNKN	N543BZ		
Ledford	1/29/2021 12:54	1/29/2021 12:36	34	D	UNKN	N7109C		
Yates	1/31/2021 0:27	1/31/2021 0:48	03L	D	UNKN	N445CH		

# Disturbance Location Pin Map – January 2021



1-5 Complaints



6-10 Complaints



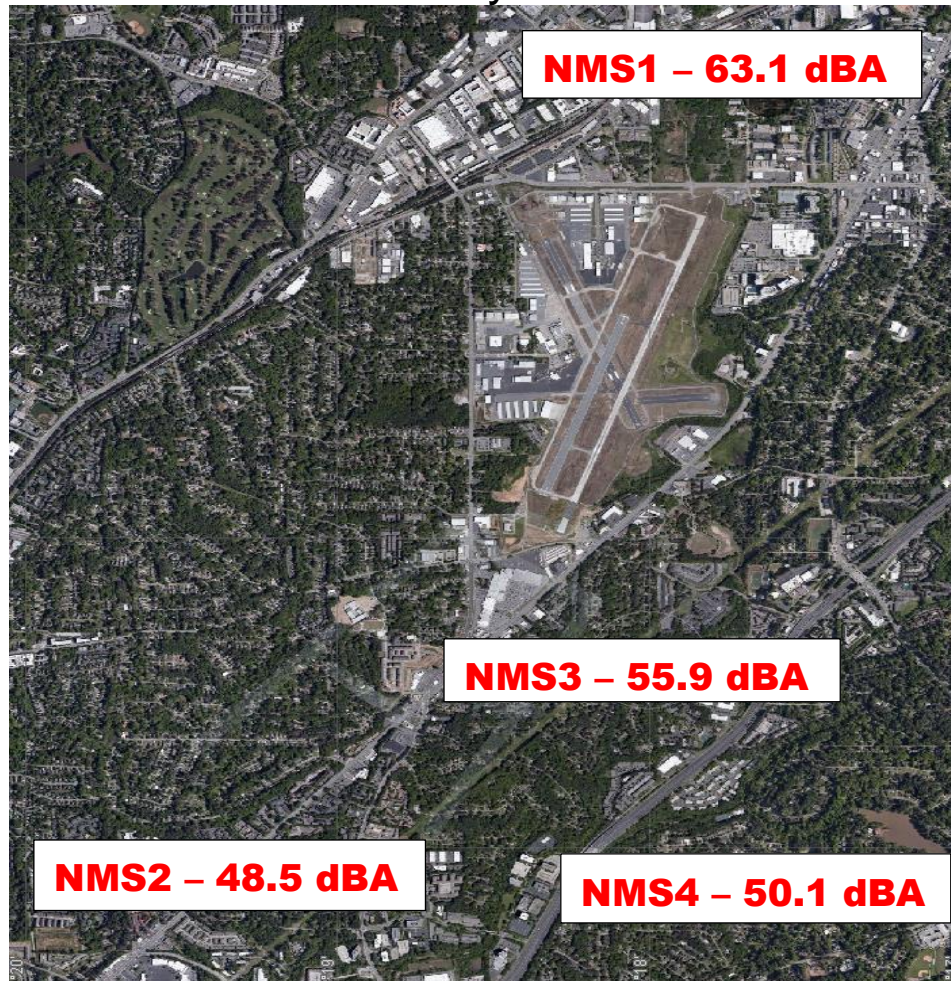
11+ Complaints

## Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County; and 0 unknown)

# Monthly Noise Levels at Monitors

January 2021



## Noise Terminology

- *Decibels (dB) are the unit of measurement on the loudness scale. Decibels that a human can hear are called “A-weighted” or “dBA” on the sound frequency scale.*
- *The decibel scale is logarithmic, not linear. The smallest detectable change 1 dB; 3 dB for a human is readily detectable; 10 dB seems twice as loud.*
- *L<sub>max</sub> – The maximum A-weighted sound level for a given event – the highest level registered on the scale or meter; is not related to the duration for the event.*
- *DNL – A 24-hour time-averaged sound exposure level. It is the noise metric of choice in aircraft sound level measurement. It is also used to define noise contours of equal exposure. All Federal agencies have adopted DNL (LDNA) as the metric for airport noise analysis. (Day Night Level) (Day Night Level A-weighted)*
- *Leq – The steady A-weighted sound level over any specified period. It is used to identify the average sound level over a given period of time.*



# Voluntary Curfew Operations & Operators Summary/Letter Status

## Operations Summary:

The airport identified a total of **262 (100%)** of the **262** operations during the voluntary curfew period (11PM-6AM) during the month of **January 2021**. Of the **262** identified operations, **180 (68.7%)** were classified as **medical transport (e.g., Med-Evac) or other critical flights**. These aircraft are identified in **red bold font** below.

- Out of the *identified* operations, **68 one-time** operations were conducted during this period.
- Out of the *identified* operations, **194 multi-time** operations were conducted during this period, (i.e., sum of all aircraft operations in which an aircraft flew more than once during the voluntary curfew).

## Operators Identified / Multi-Use:

**104** operators were identified using the airport during the voluntary curfew period (does not include unknown aircraft).

**36** operators were identified using the airport during the voluntary curfew period for 2 or more times during the month.

**24** multi-use operators were identified as Med-Evac and/or emergency flights.

## Complaints received from operations conducted during the voluntary curfew period:

**78** complaints were received during **January 2021**.

**37 (47.4%)** complaints were received for operations conducted during the voluntary curfew period (**including** those complaints that were found to be non-correlated or indirect).

## This Month – January 2021 N#'s (Multi-Use):

**38 Aircraft with 2 Operations** (**LBQ825, N649AE, N560LC, N911UG**, N731CM, KFS98, **CTL69, N377P**, N154JK, N428ZZ, **N165AE, N525LX, N179SF, N62TL, N229AE, N684AE**, N311RF, N777MV, N330NX, **N891AA, N914AS**, DCM4289, **N335AE, SIS616**)

**5 Aircraft with 3 Operations** (**N887AE**, N103AV, **N423AE**,

KFS50, N151LN)

**1 Aircraft with 4 Operations** (**N332AM**)

**1 Aircraft with 6 Operations** (**N445CH**)

**2 Aircraft with 8 Operations** (**N208LS, SKQ43**)

**1 Aircraft with 25 Operations** (**SKQ31**)

**1 Aircraft with 33 Operations** (**CTL67**)

**1 Aircraft with 47 Operations** (**N414CY**)

**Last Month – December 2020 N#'s (Multi-Use):**

**38 Aircraft with 2 Operations** (N508GF, **N911UG**, N563AM, N154JK, N420AE, KFS88, **CTE697**, N17FA, N802WJ, N2088K, **CTE585**, N210CM, N428ZZ, N2UP, **N508KD**, JTL480, CWG742, N125SB, **N684AE**, N330NX, **N900PS**, N3375R, **N147LM**, N357JG, **PXG690**)

**5 Aircraft with 3 Operations** (**CTL372**, **N525JW**, PEG16, N103AV, **N165AE**)

**6 Aircraft with 4 Operations** (N805LC, **N558MT**, FTD561, **N887AE**, N310GV, **SKQ44**)

**3 Aircraft with 5 Operations** (N 133PE, **N525LX**, **N332AM**)

**1 Aircraft with 8 Operations** (**N377P**)

**1 Aircraft with 10 Operations** (**N208LS**)

**1 Aircraft with 14 Operations** (**CTL68**)

**1 Aircraft with 20 Operations** (**SKQ31**)

**1 Aircraft with 42 Operations** (**CTL67**)

**1 Aircraft with 48 Operations** (**N414CY**)

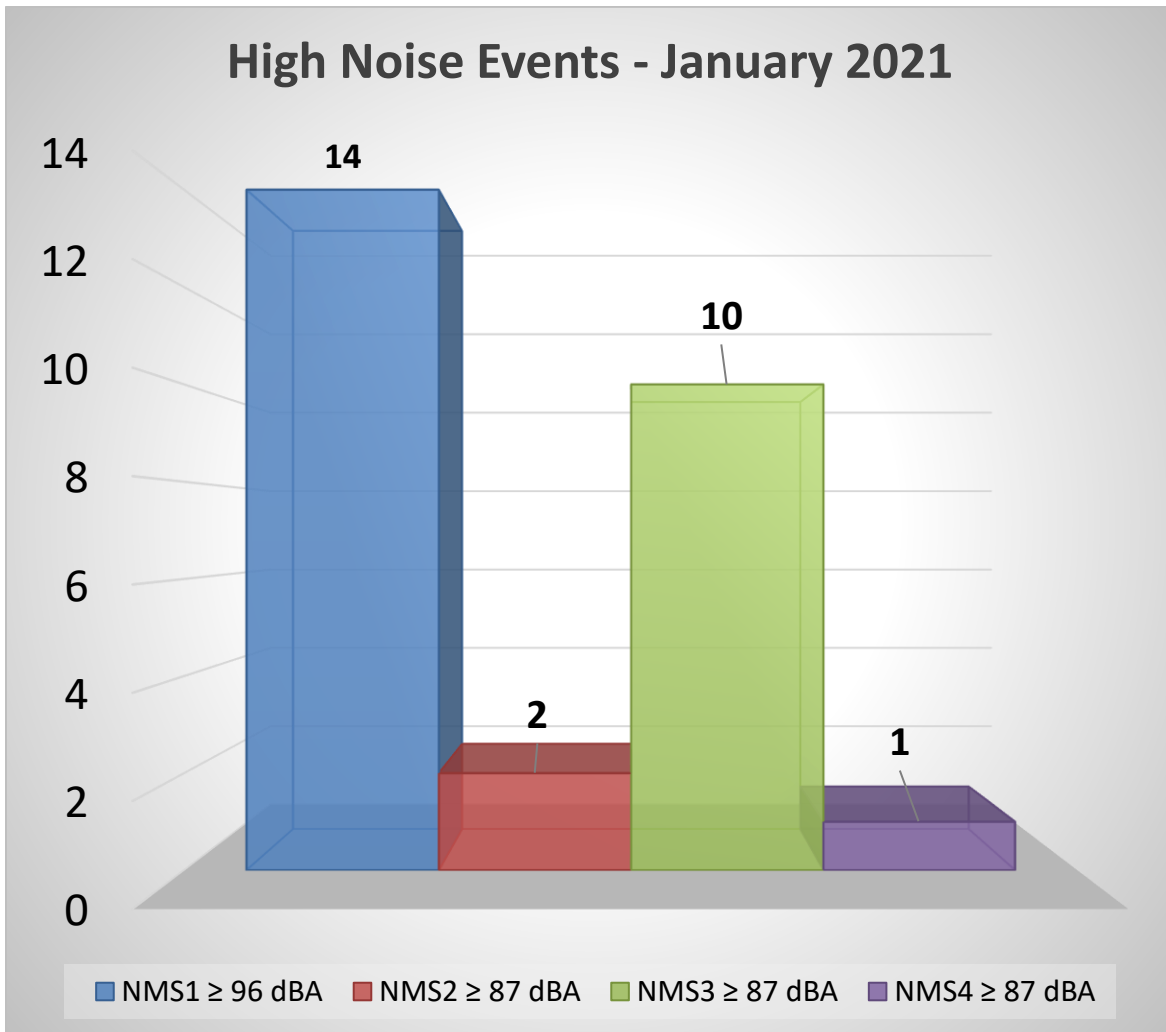
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A total of **82** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **January** who were not identified as Med-Evac and/or other emergency flights.

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# High Noise Event Threshold

The high noise event threshold was developed to work with pilots in methods and techniques that could reduce aircraft noise levels in and around PDK and its residential areas. Noise Monitoring Station (NMS) 1 is located in a commercial district and is set at **93 dBA Lmax** or greater. All other monitors, NMS2, 3, & 4 are located in residential areas and are set at **90 dBA Lmax** or greater. A Total of **21** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



## January 2021

1 Aircraft with 3 High Noise Event (N891AA)

**December 2020**

**2 Aircraft with 2 High Noise Event** (N600MV, DCM5347)

**1 Aircraft with 3 High Noise Events** (N500GF)

**1 Aircraft with 6 High Noise Events** (**N329GS**)

**Comments/Concerns?**

Please visit [www.pdkairport.org](http://www.pdkairport.org) for airport information. You January also contact the airport about noise concerns at [pdknoise@dekalbcountyga.gov](mailto:pdknoise@dekalbcountyga.gov) or call the noise hotline at (770) 936-5442.