

# Monthly Noise & Operations Report February 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 February occur during all phases of flight. For instance, while aircraft are on the ground, taxiing, operating auxiliary power units (APUs), and conducting run-ups February 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.

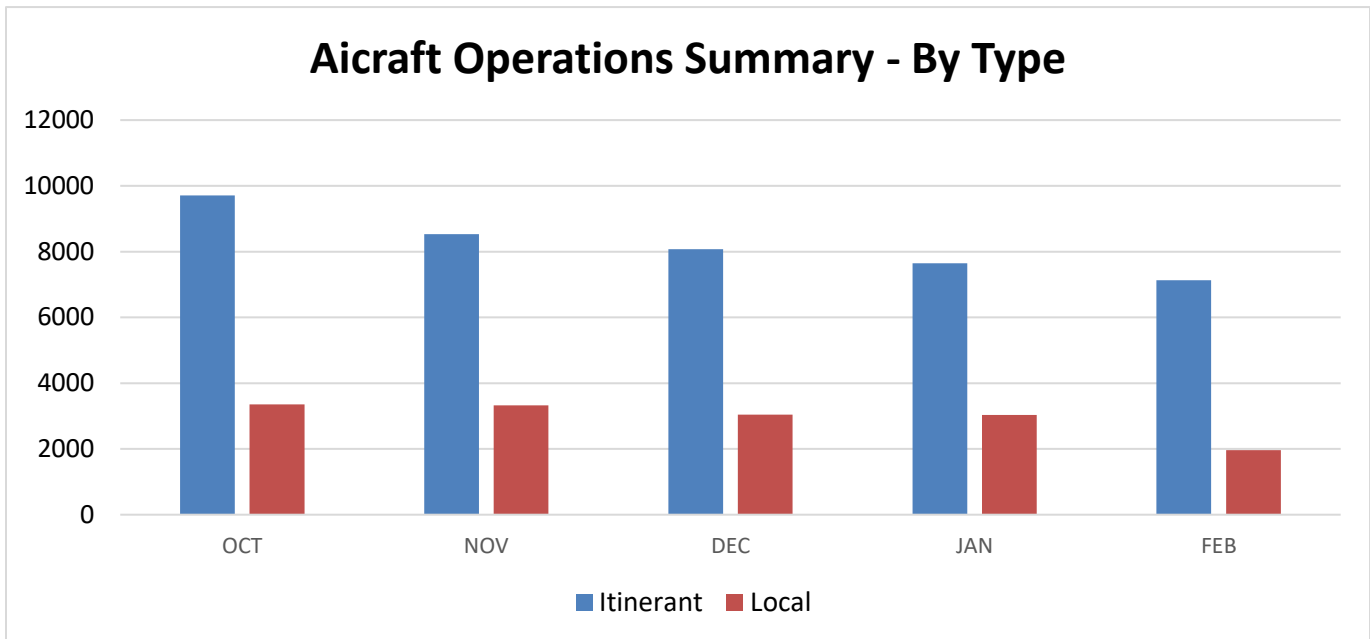
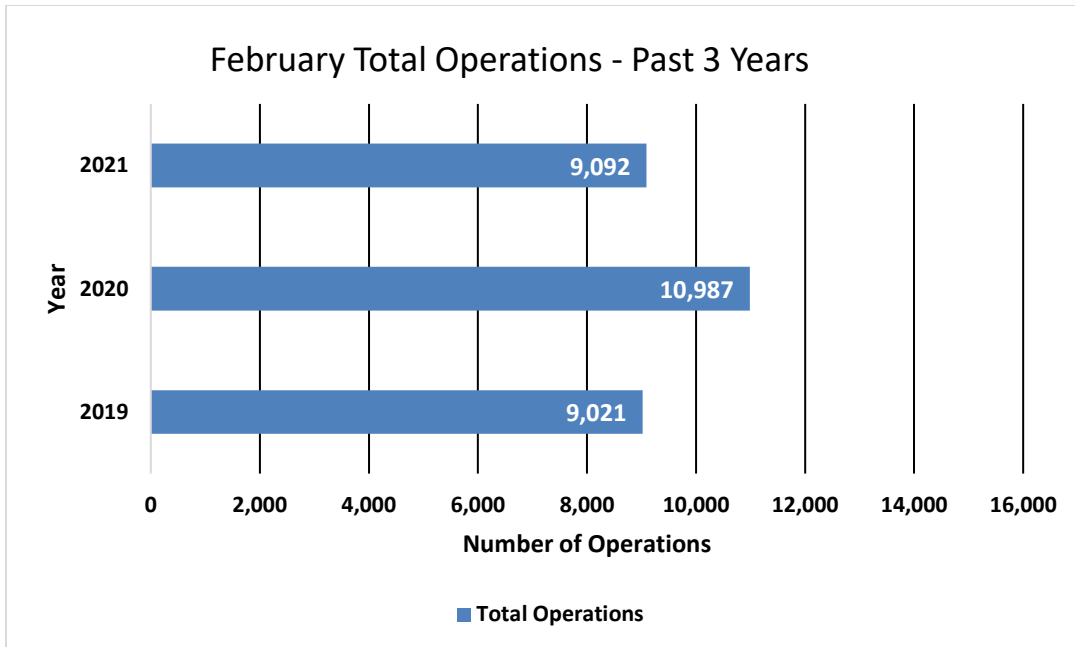
## February 2021 Aircraft Operations:

	<b>This Month</b>	This Month, Last Year (February 2020)	% Change from February 2020	5-Year Average for Month
Total Operations	<b>9,092</b>	<b>10,987</b>	<b>-17.25%</b>	<b>10,519</b>
Itinerant	<b>7,134</b>	<b>7,999</b>	<b>-10.81%</b>	<b>7,971</b>
Local	<b>1,958</b>	<b>2,988</b>	<b>-34.47%</b>	<b>2,548</b>
Voluntary Curfew Ops	<b>313</b>	<b>280</b>	<b>11.79%</b>	<b>308</b>
Prior Authorization	<b>125</b>	<b>(2)</b> Noise disturbance calls associated with these flights. <b>(3)</b> 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.**

# February 2021 Aircraft Operations Summary

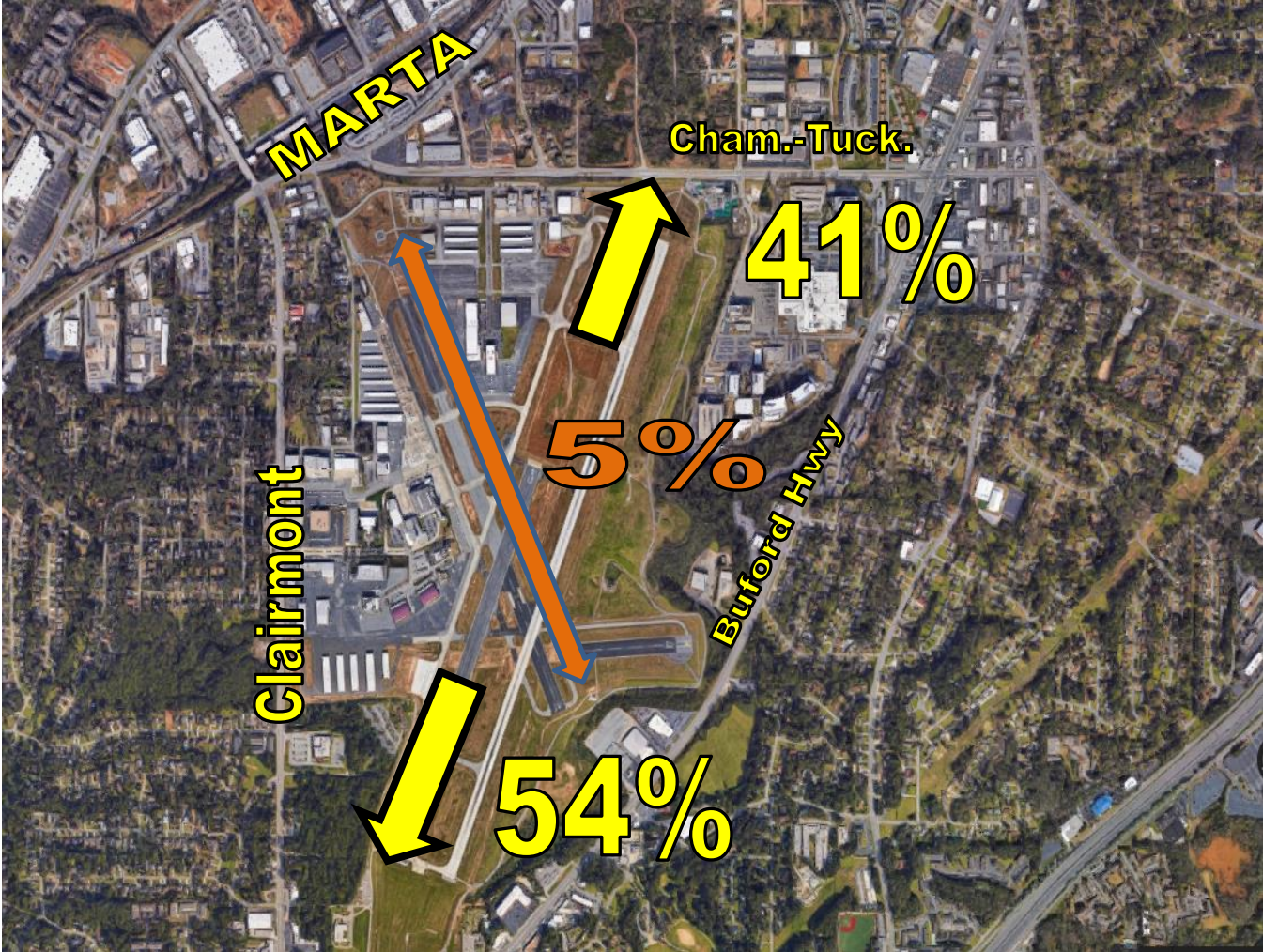


2020 Total Operations	2020 Total Operations as of February 2020	Total 2021 Ops as of February 2021
138,420	24,360	19,764 (-18.87%)

<b>2021 Operations by Month</b>				
	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
JAN	7,643	3,029	10,672	262
<b>FEB</b>	<b>7,134</b>	<b>1,958</b>	<b>9,092</b>	<b>313</b>
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

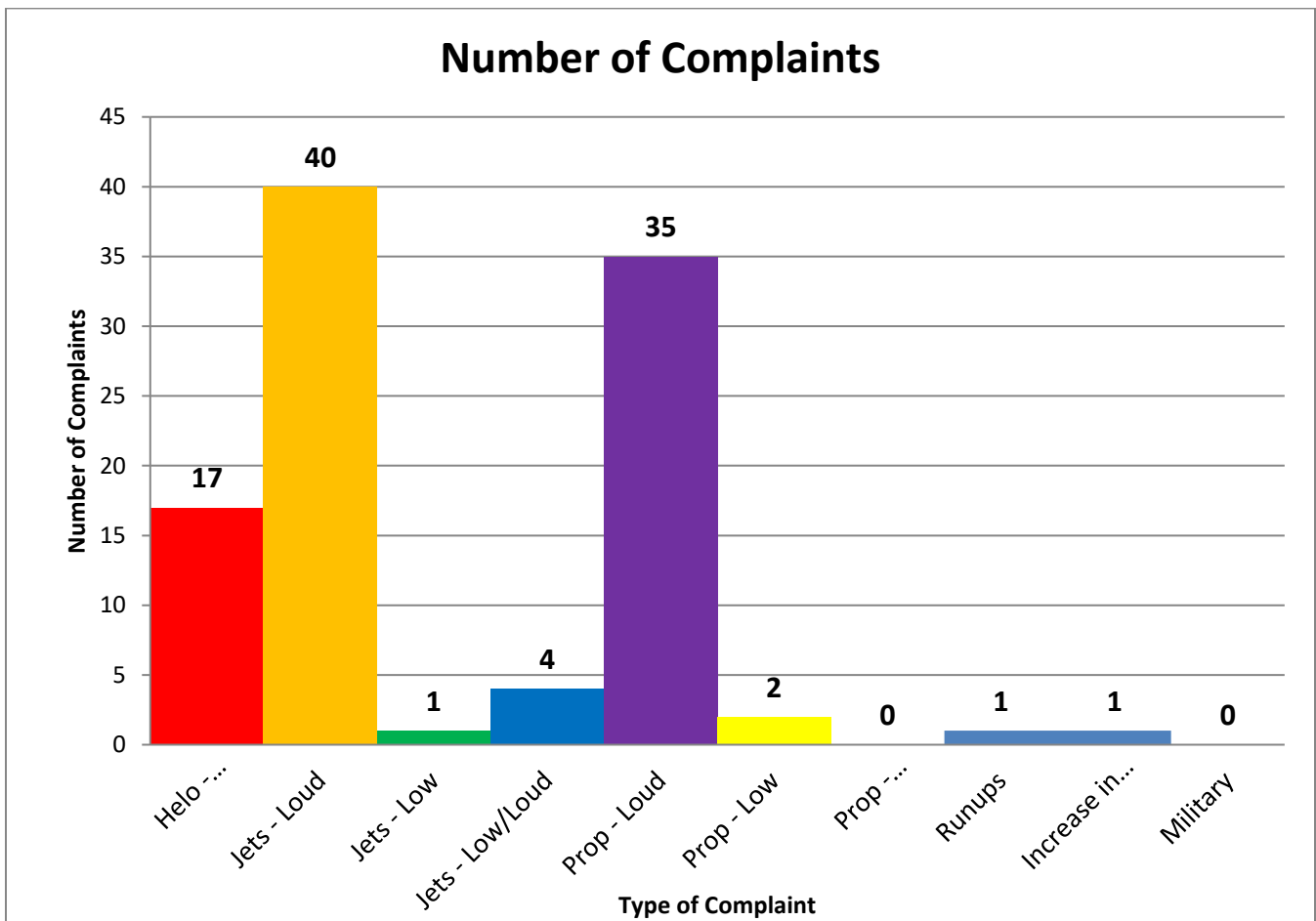
# Runway Mode of Operations – February 2021

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.

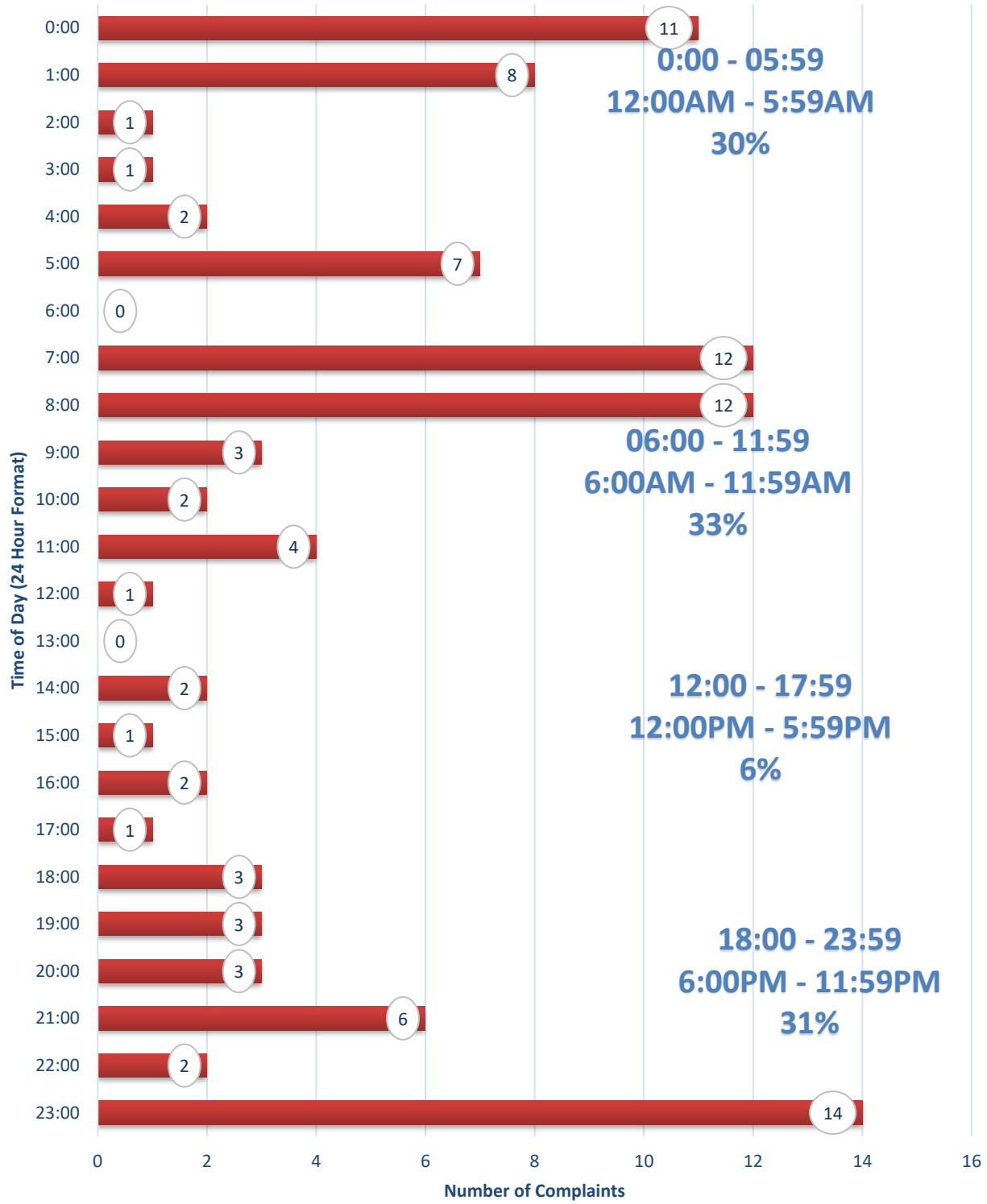


# Noise Disturbance Summary

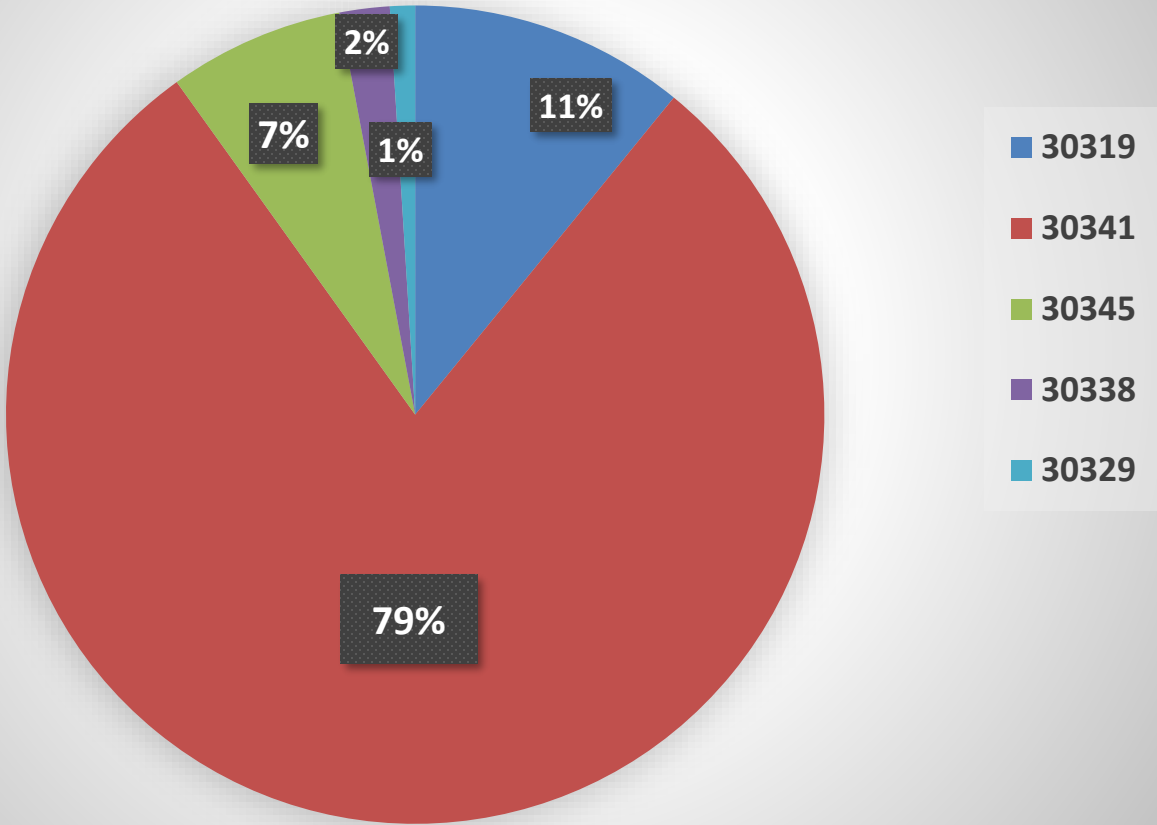
Total complaints for February 2021	Monthly Complaint Average 2021	February 2021 Complaints per Household <i>(minus top two/Households)</i>	February 2021 Complaints per Household <i>All Inclusive</i>
101	90	2.6	7.8



## Number of Complaints by Hour



# Zip Code Complaints



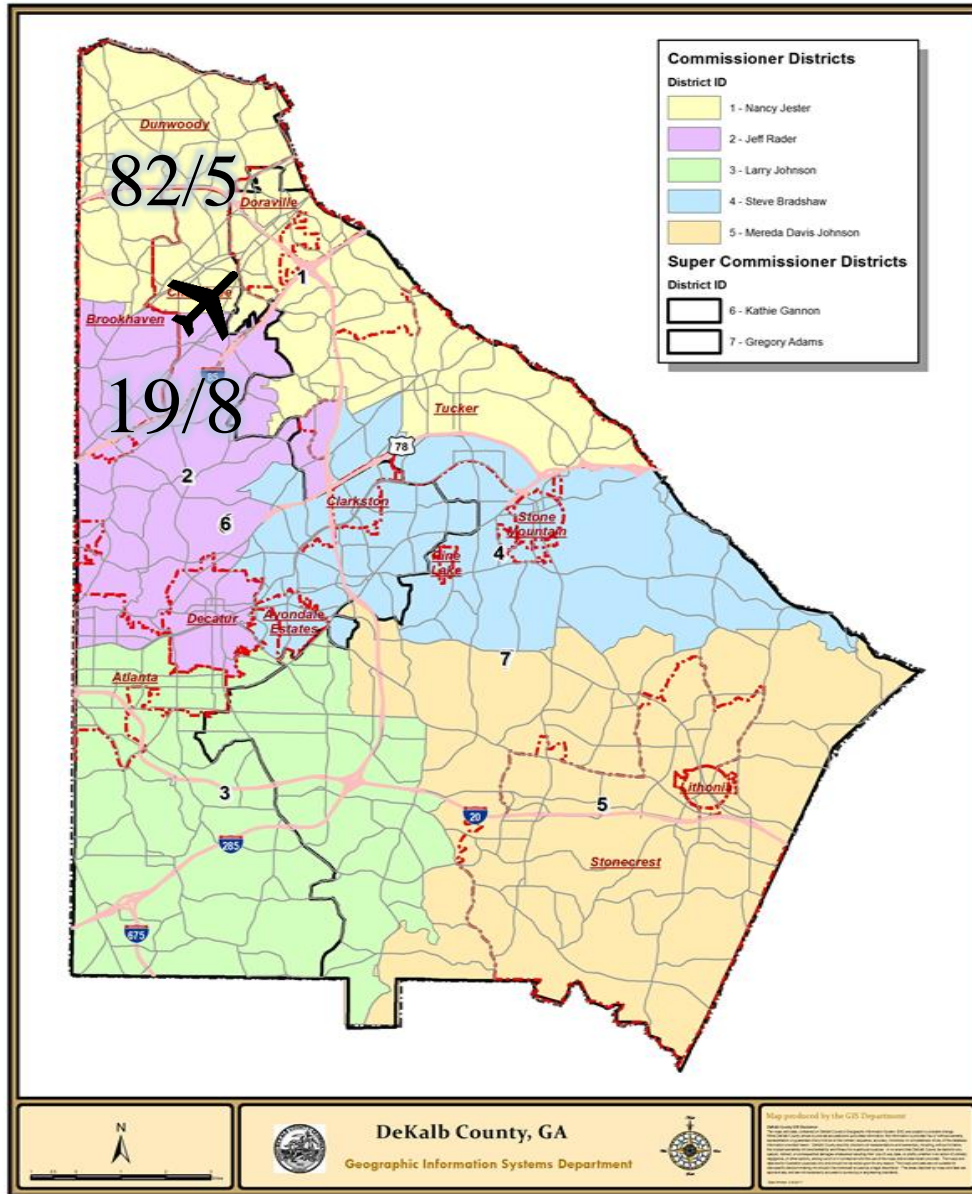
Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	11%
30341	Chamblee - North	79%
30345	Chamblee - South	7%
30338	Dunwoody	2%
30329	North Druid Hills	1%



## Complaints by Caller

Name	Address	City	Zip Code	Complaints
<b>Anon - 2</b>	Nancy Ln NE	Atlanta	30345	1
<b>Lynch</b>	2430 Circlewood Rd NE	Atlanta	30345	1
<b>Bailie</b>	1799 Tobey Rd.	Chamblee	30341	19
<b>Ledford</b>	3811 Harts Mill Ln	Atlanta	30319	6
<b>Anon -1</b>	Dresden Dr	Atlanta	30341	53
<b>Yates</b>	1889 9th Street	Chamblee	30341	5
<b>Chidiac</b>	1208 Pelly Cir NE	Atlanta	30319	3
<b>Brooks</b>	3801 Briarcliff Rd NE	Atlanta	30345	1
<b>Lennon</b>	1802 Tobey Road	Atlanta	30341	3
<b>Gokce</b>	1955 Fairway Circle NE	Atlanta	30319	2
<b>Barnard</b>	2502 Flair Knoll Court	Atlanta	30345	4
<b>Elwell</b>	1513 Laurel Park Cir	Atlanta	30329	1
<b>Nichols</b>	4500 Orleans Ct	Dunwoody	30338	2

# Complaints per Commission District



82/5

19/8

Total Number of Complaints

101

Total Number of Complainants




/13

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 **101 (100%)** out of **101** complaints:

- **97 or 96.0%** of the noise complaints were found to be **Direct** correlations
- **4 or 4.0%** were **Indirect** correlations to operations
- **0 or 0.0%** 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: [pdnoise@dekalbcountyga.gov](mailto:pdnoise@dekalbcountyga.gov)

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon-1	2/1/2021 0:25	2/1/2021 0:34	21L	A	GLF4	N415QS		
Anon-1	2/1/2021 0:25	2/1/2021 0:34	21L	A	GLF4	N415QS		
Anon-1	2/1/2021 8:12	2/1/2021 7:58	03R	D	H25B	N499PA	NMS03	71.6
Anon-1	2/1/2021 8:23	2/1/2021 8:35	03R	A	GLF6	N922H		
Anon-1	2/1/2021 8:32	2/1/2021 8:37	34	A	B350	N935JC	NMS03	67.7
Anon-1	2/2/2021 0:34	2/2/2021 0:28	03R	D	C560	VET563		
Anon-1	2/3/2021 23:56	2/3/2021 23:48	16	A	UNKN	N63AE		
Anon-1	2/4/2021 3:08	2/4/2021 3:06	21R	D	UNKN	N355AE	NMS03	72.9
Anon-1	2/4/2021 23:46	2/4/2021 23:51	21R	A	UNKN	N887AE	NMS03	78.3
Anon-1	2/4/2021 23:50	2/4/2021 23:51	21R	A	UNKN	N887AE	NMS03	78.3
Anon-1	2/5/2021 0:15	2/5/2021 0:11	UNK	D	UNKN	N649AE		
Anon-1	2/5/2021 0:30	2/5/2021 0:21	21L	D	AC50	CTL67	NMS03	71.8
Barnard	2/5/2021 7:20	2/5/2021 7:29	03R	D	C525	N309CJ		
Barnard	2/5/2021 7:20	2/5/2021 7:29	03R	D	C525	N309CJ		
Barnard	2/5/2021 7:20	2/5/2021 7:29	03R	D	C525	N309CJ		
Barnard	2/5/2021 7:20	2/5/2021 7:29	03R	D	C525	N309CJ		
Anon-1	2/5/2021 7:40	2/5/2021 7:42	16	D	UNKN	N2AQ		
Chidiac	2/5/2021 8:00	2/5/2021 7:58	03R	D	H25B	N900QC		
Nichols	2/5/2021 8:00	2/5/2021 7:43	03R	D	C172	CGOSM		
Nichols	2/5/2021 8:12	2/5/2021 8:19	03R	A	C560	N220BG		
Chidiac	2/5/2021 8:30	2/5/2021 8:25	03R	D	C560	N220BG		
Anon-1	2/6/2021 1:41	2/6/2021 1:34	16	D	SR22	N732AB		
Anon-1	2/6/2021 1:52	2/6/2021 1:34	16	D	SR22	N732AB		
Yates	2/7/2021 10:02	2/7/2021 10:07	21R	D	SR22	N822MS		
Anon-1	2/8/2021 2:18	2/8/2021 2:14	16	D	SR22	N732AB		
Lennon	2/8/2021 5:41	2/8/2021 5:42	03R	D	G280	N284PC		
Lennon	2/8/2021 5:43	2/8/2021 5:42	03R	D	G280	N284PC		
Anon-1	2/8/2021 5:44	2/8/2021 5:42	03R	D	G280	N284PC		
Lennon	2/8/2021 5:53	2/8/2021 5:44	03R	D	BE40	N109NS	NMS03	75.7
Yates	2/8/2021 20:08	2/8/2021 20:33	21L	A	GLF4	EDG132		
Chidiac	2/9/2021 0:56	2/9/2021 0:56	21R	D	UNKN	CTL67		

Anon-1	2/9/2021 19:49	2/9/2021 19:53	03R	A	GLF4	TFF938		
Brooks	2/9/2021 20:46	2/9/2021 20:42	34	A	C56X	EJA589	NMS04	74.4
Anon-1	2/10/2021 1:08	2/10/2021 1:08	03R	D	AC50	CTL67		
Anon-1	2/10/2021 4:59	2/10/2021 4:51	03R	D	CL35	LXJ591	NMS03	71.2
Anon-1	2/10/2021 5:04	2/10/2021 4:51	03R	D	CL35	LXJ591	NMS03	71.2
Anon-1	2/10/2021 14:00	2/10/2021 13:48	21L	D	UNKN	N637P		
Anon-1	2/11/2021 14:13	2/11/2021 13:57	21L	D	C68A	EJA601	NMS03	72
Anon-1	2/12/2021 1:49	2/12/2021 1:52	21L	A	E135	N926FM		
Anon-1	2/14/2021 7:43	2/14/2021 8:06	8R	D	B738	UNKNOW N		
West	2/14/2021 7:45	2/14/2021 8:06	8R	D	B738	UNKNOW N		
Anon-1	2/15/2021 23:34	2/15/2021 23:32	21L	D	AC50	CTL66	NMS03	77
Anon-1	2/15/2021 23:59	2/15/2021 23:47	21L	D	PA32	N15554		
Anon-1	2/17/2021 0:23	2/17/2021 0:28	21L	A	C560	N953F		
Ledford	2/17/2021 11:30	2/17/2021 11:21	34	D	UNKN	N46CL		
Yates	2/17/2021 21:05	2/17/2021 21:06	21L	A	CL35	EJA700		
Anon-1	2/18/2021 23:06	2/18/2021 23:25	21L	A	AC50	CTL67		
Anon-1	2/18/2021 23:40	2/18/2021 23:25	21L	A	AC50	CTL67		
Anon-1	2/19/2021 4:55	2/19/2021 4:48	21L	D	C525	N525JW	NMS03	77.3
Anon-1	2/19/2021 11:48	2/19/2021 11:35	03R	D	H25B	N58BL		
Anon-1	2/20/2021 0:31	2/20/2021 0:26	03R	D	BE20	CTE816		
Ledford	2/20/2021 16:42	2/20/2021 16:37	34	D	UNKN	N608HR		
Ledford	2/20/2021 18:48	2/20/2021 18:44	03L	D	UNKN	N608HR		
Bailie	2/21/2021 7:00	2/21/2021 6:40	8R	D	E75S	UNKNOW N		

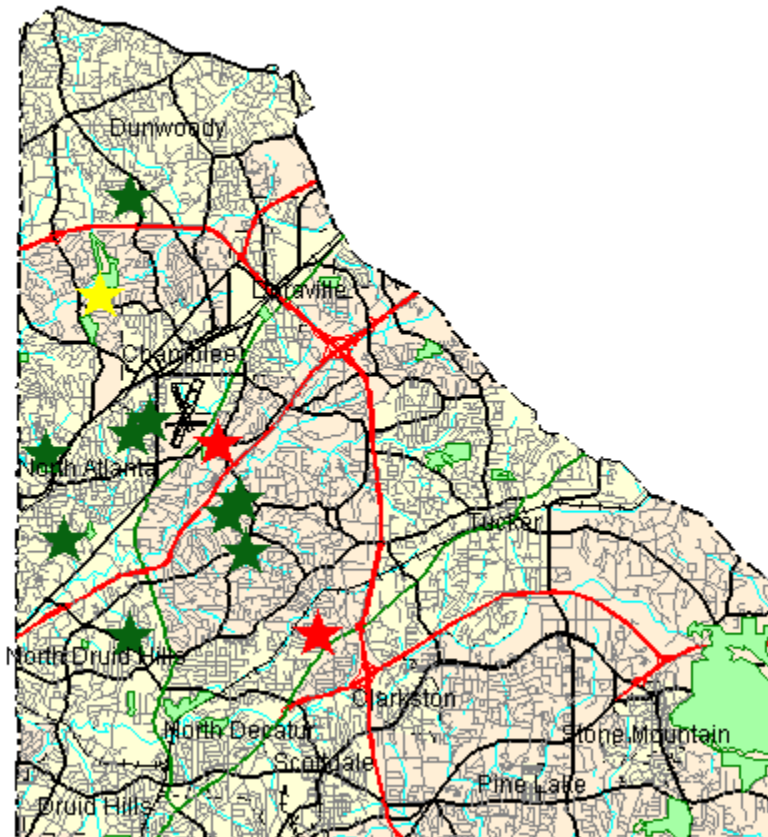
Gokce	2/21/2021 21:10	2/21/2021 21:06	21L	D	C560	N469ES	NMS02	76.1
Anon-1	2/22/2021 0:16	2/22/2021 0:10	9R	D	A359	UNKNOW N		
Anon-1	2/22/2021 1:17	2/22/2021 1:11	21L	D	FA20	KFS71	NMS03	79.6
Anon-1	2/22/2021 1:18	2/22/2021 1:11	21L	D	FA20	KFS71	NMS03	79.6
Anon-1	2/22/2021 11:30	2/22/2021 11:33	21L	A	GLF5	N550DX		
Elwell	2/22/2021 18:46	2/22/2021 18:32	UNK	D	UNKN	N5QV	NMS02	70.7
Yates	2/22/2021 19:06	2/22/2021 19:02	UNK	D	UNKN	N553AE	NMS03	76.2
Lynch	2/23/2021 10:02	2/23/2021 10:01	21R	D	UNKN	N98PC	NMS04	78.7
Anon-1	2/23/2021 16:54	2/23/2021 16:58	21R	A	UNKN	N330TY		
Anon-1	2/23/2021 17:05	2/23/2021 16:55	21L	D	C650	N750CK	NMS03	83.8
Anon-1	2/24/2021 1:00	2/24/2021 0:58	03R	D	AC50	CTL67		
Anon-1	2/24/2021 5:04	2/24/2021 4:55	03R	D	UNKN	N2088K		
Anon-1	2/24/2021 5:10	2/24/2021 4:55	03R	D	UNKN	N2088K		
Anon-1	2/24/2021 7:42	2/24/2021 7:20	21L	D	E545	N794BC		
Anon-1	2/24/2021 7:43	2/24/2021 7:20	21L	D	E545	N794BC		
Anon-1	2/24/2021 7:49	2/24/2021 7:34	21R	D	P28A	N103AV		
Bailie	2/24/2021 21:10	2/24/2021 20:46	UNK	O	P28A	N55010		
Bailie	2/24/2021 21:22	2/24/2021 21:09	16	D	UNKN	N445CH		
Bailie	2/24/2021 21:45	2/24/2021 21:41	21L	D	F2TH	N190SA	NMS04	72.2
Bailie	2/24/2021 21:54	2/24/2021 21:47	UNK	O	B350	N350WV		
Anon-1	2/24/2021 23:32	2/24/2021 23:35	21L	A	DA62	N465CE		
Anon-1	2/24/2021 23:34	2/24/2021 23:42	21L	A	AC50	CTL67		
Anon-1	2/24/2021 23:36	2/24/2021 23:28	21L	D	BE36	GTX512	NMS03	74.3




Bailie	2/24/2021 23:39	2/24/2021 23:46	21L	D	C208	PRY02	NMS04	67.3
Anon-1	2/24/2021 23:55	2/24/2021 23:46	21L	D	C208	PRY02	NMS03	74.3
Bailie	2/24/2021 23:57	2/24/2021 23:46	21L	D	C208	PRY02	NMS04	67.3
Bailie	2/25/2021 0:33	2/25/2021 0:19	21L	A	P28A	N6919J		
Anon-1	2/25/2021 7:25	2/25/2021 7:20	03R	D	E55P	EJA330		
Bailie	2/25/2021 8:04	2/25/2021 8:22	03R	A	LJ75	TKK800		
Bailie	2/25/2021 8:05	2/25/2021 8:22	03R	A	LJ75	TKK800		
Bailie	2/25/2021 8:14	2/25/2021 8:22	03R	A	LJ75	TKK800		
Bailie	2/25/2021 8:21	2/25/2021 8:35	03R	A	BE55	N4589S		
Bailie	2/25/2021 8:36	2/25/2021 8:35	03R	A	BE55	N4589S		
Bailie	2/25/2021 9:10	2/25/2021 9:26	03R	A	UNKN	N489AM		
Bailie	2/25/2021 9:15	2/25/2021 9:26	03R	A	UNKN	N489AM		
Bailie	2/25/2021 9:26	2/25/2021 9:33	03L	T	UNKN	N704RB		
Ledford	2/25/2021 11:18	2/25/2021 11:18	34	D	UNKN	N39HX		
Gokce	2/25/2021 12:48	2/25/2021 12:22	03R	D	UNKN	N9058S		
Ledford	2/25/2021 19:39	2/25/2021 19:29	03L	A	C172	N7784G		
Bailie	2/25/2021 22:34	2/25/2021 22:20	UNK	O	UNKN	N54448		
Bailie	2/25/2021 22:54	2/25/2021 23:17	34	A	UNKN	N7109C		
Bailie	2/26/2021 0:38	2/26/2021 0:20	21L	D	C208	PRY02	NMS04	68.3
Anon-1	2/26/2021 1:06	2/26/2021 1:10	21L	A	C750	N970JS	NMS03	71.3
Ledford	2/27/2021 18:51	2/27/2021 18:59	21R	D	UNKN	N1080H		
Anon-1	2/27/2021 23:51	2/27/2021 23:41	UNK	O	UNKN	N91DK		
Yates	2/28/2021 15:31	2/28/2021 15:31	UNK	A	UNKN	N445CH		

Anon-1	2/28/2021 20:11	2/28/2021 20:15	21L	A	UNKN	N65LJ		
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# Disturbance Location Pin Map – February 2021



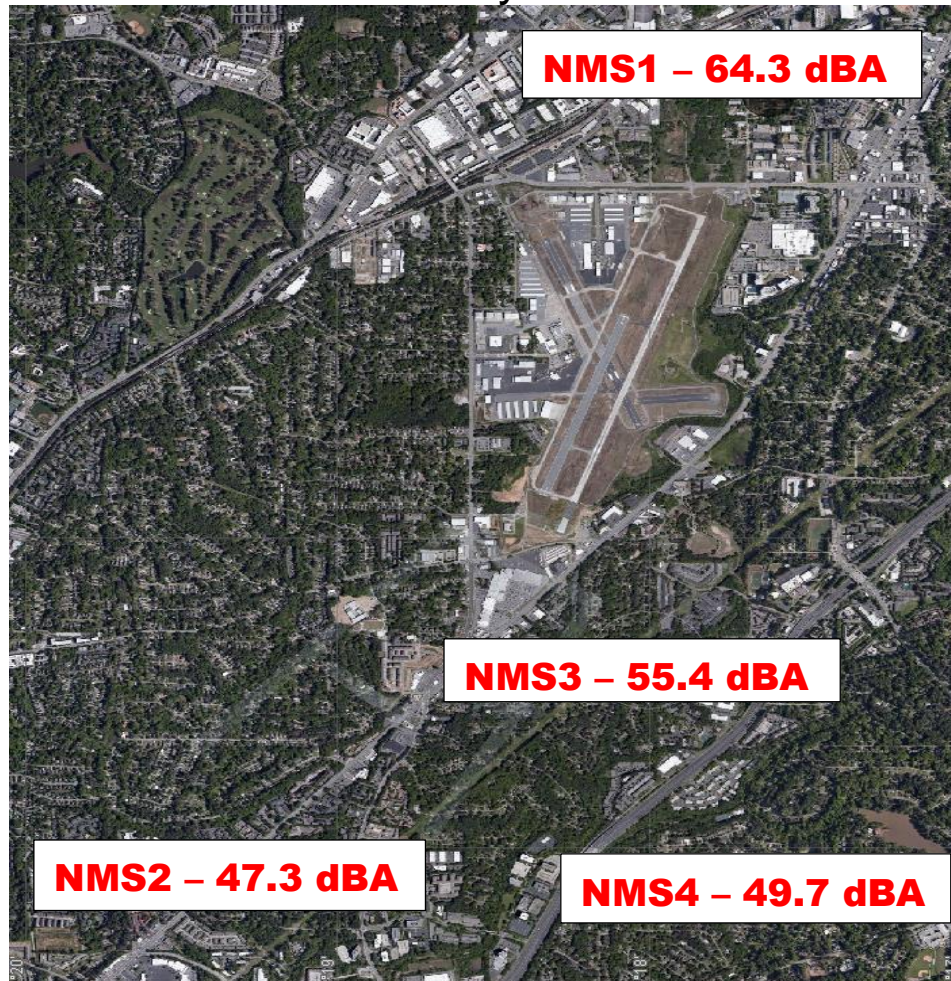
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

## Complainants with Complaints Total

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

# Monthly Noise Levels at Monitors

February 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 **312 (99.7%)** of the **313** operations during the voluntary curfew period (11PM-6AM) during the month of **February 2021**. Of the **312** identified operations, **177 (56.7%)** 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, **76 one-time** operations were conducted during this period.
- Out of the *identified* operations, **236 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:

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

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

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

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

**101** complaints were received during **February 2021**.

**44 (43.6%)** 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 – February 2021 N#'s (Multi-Use):

**38 Aircraft with 2 Operations** (FWK772, **PRY05**, N6919J, KFS48, N408FZ, KFS71, N545HF, N112BR, N773RC, N149WW, RAX716, N151LN, N428ZZ, N175JA, **N525JW**, N211F, GTX505, **N239AE**, GTX509, **N336AE**, N805LC, EJM17, N970JS)

**6 Aircraft with 3 Operations** (**N63AE**, KFS87, **CTE816**,

N140SB, N577XW, **N335AE**)

**7 Aircraft with 4 Operations** (**N887AE**, **N445CH**, **N423AE**,

**LBQ825**, **EMD28**, N732AB, **PRY02**)

**1 Aircraft with 5 Operations** (N154JK)

**2 Aircraft with 6 Operations** (**SKQ43**, **N377P**)

**1 Aircraft with 7 Operations** (**N914AS**)

**1 Aircraft with 8 Operations** (**N208LS**)

**1 Aircraft with 10 Operations** (N103AV)

**1 Aircraft with 24 Operations** (**SKQ31**)

**1 Aircraft with 31 Operations** (**CTL31**)

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

**Last 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)

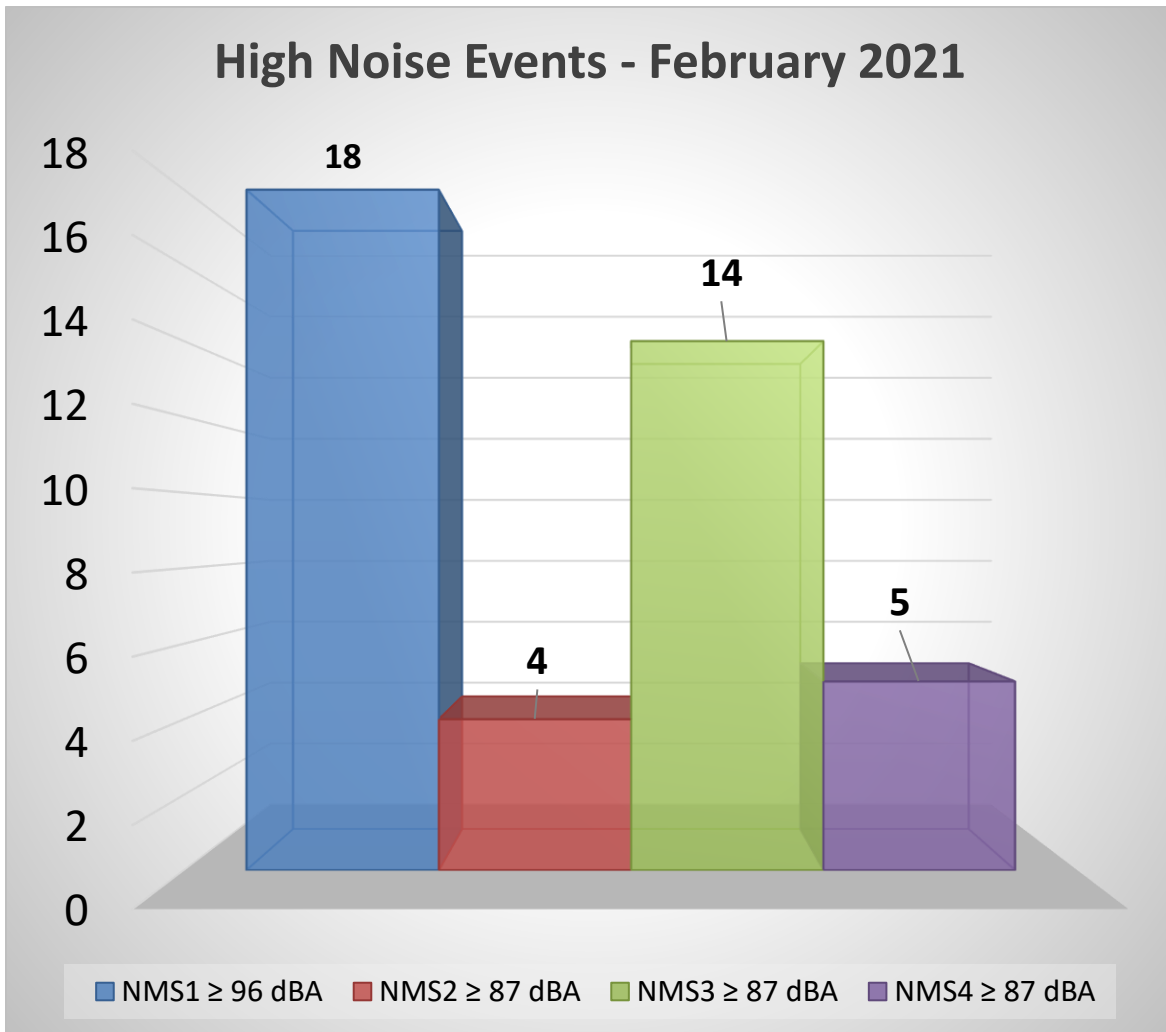
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A total of **135** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **February** who were not identified as Med-Evac and/or other emergency flights.

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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 **38** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



## February 2021

1 Aircraft with 3 High Noise Event (N791CP)

1 Aircraft with 2 High Noise Event (N14VJ)

1 Aircraft with 2 High Noise Event (N609MH)

January 2021

1 Aircraft with 3 High Noise Event (N891AA)

**Comments/Concerns?**

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