



Monthly Noise & Operations Report October 2020

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 October occur during all phases of flight. For instance, while aircraft are on the ground, taxiing, operating auxiliary power units (APUs), and conducting run-ups October 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.

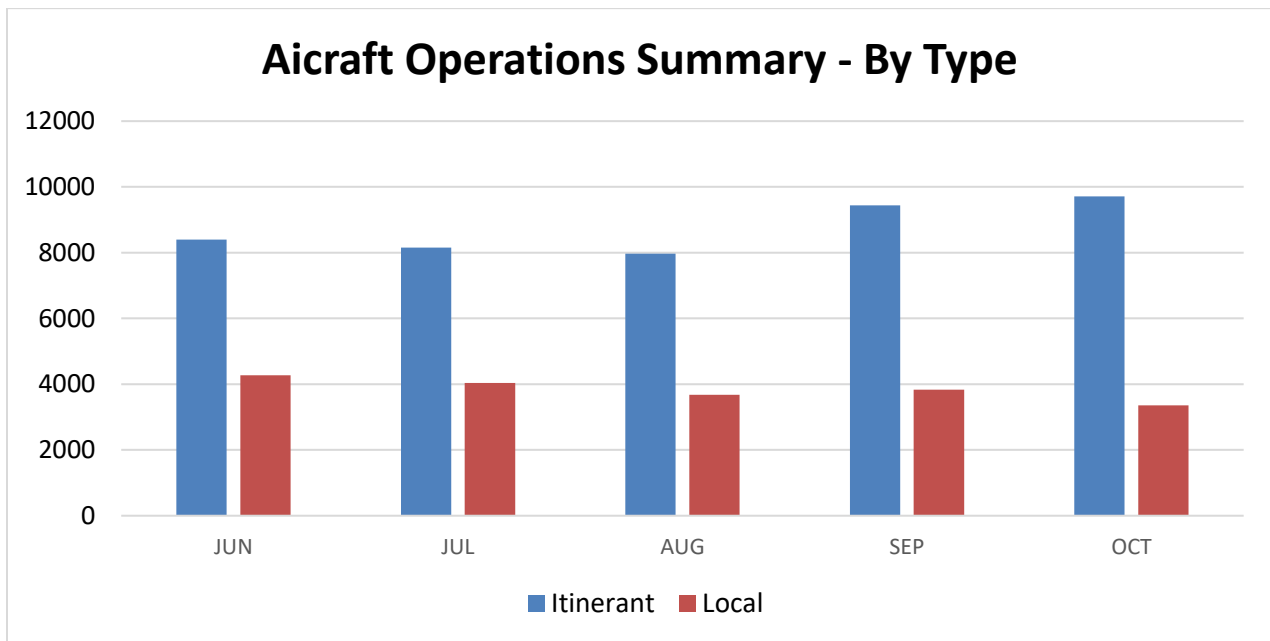
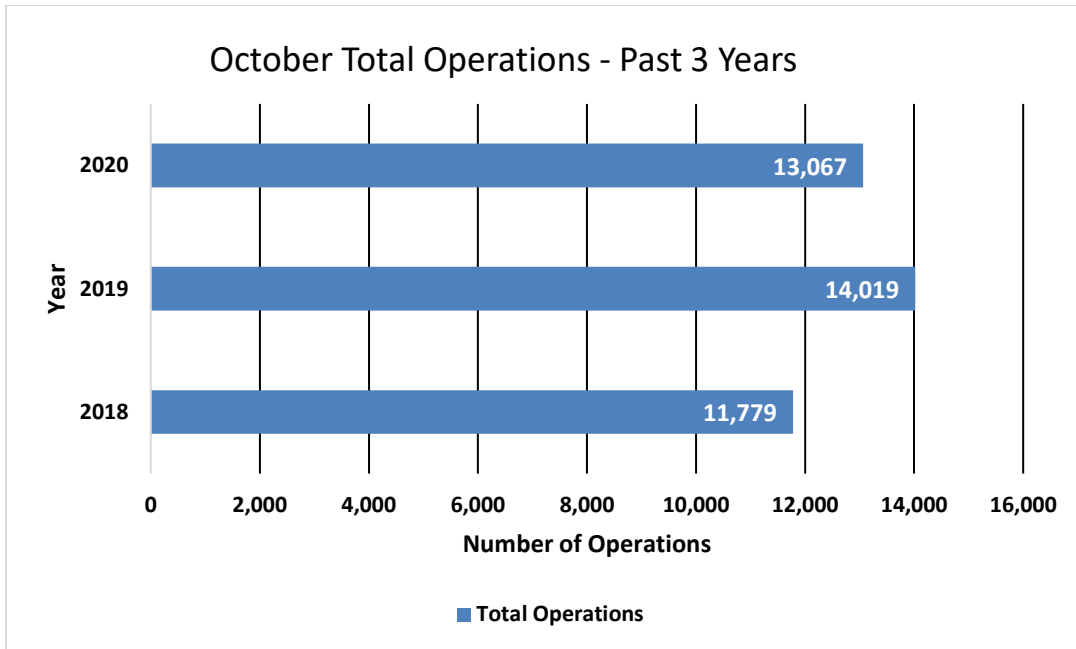
October 2020 Aircraft Operations:

	This Month	This Month, Last Year (October 2019)	% Change from October 2019	5-Year Average for Month
Total Operations	13,067	14,019	-6.79%	13,355
Itinerant	9,711	10,337	-6.06%	10,136
Local	3,356	3,682	-8.85%	3,219
Voluntary Curfew Ops	454	390	16.41%	353
Prior Authorization	145	(1) 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.

October 2020 Aircraft Operations Summary

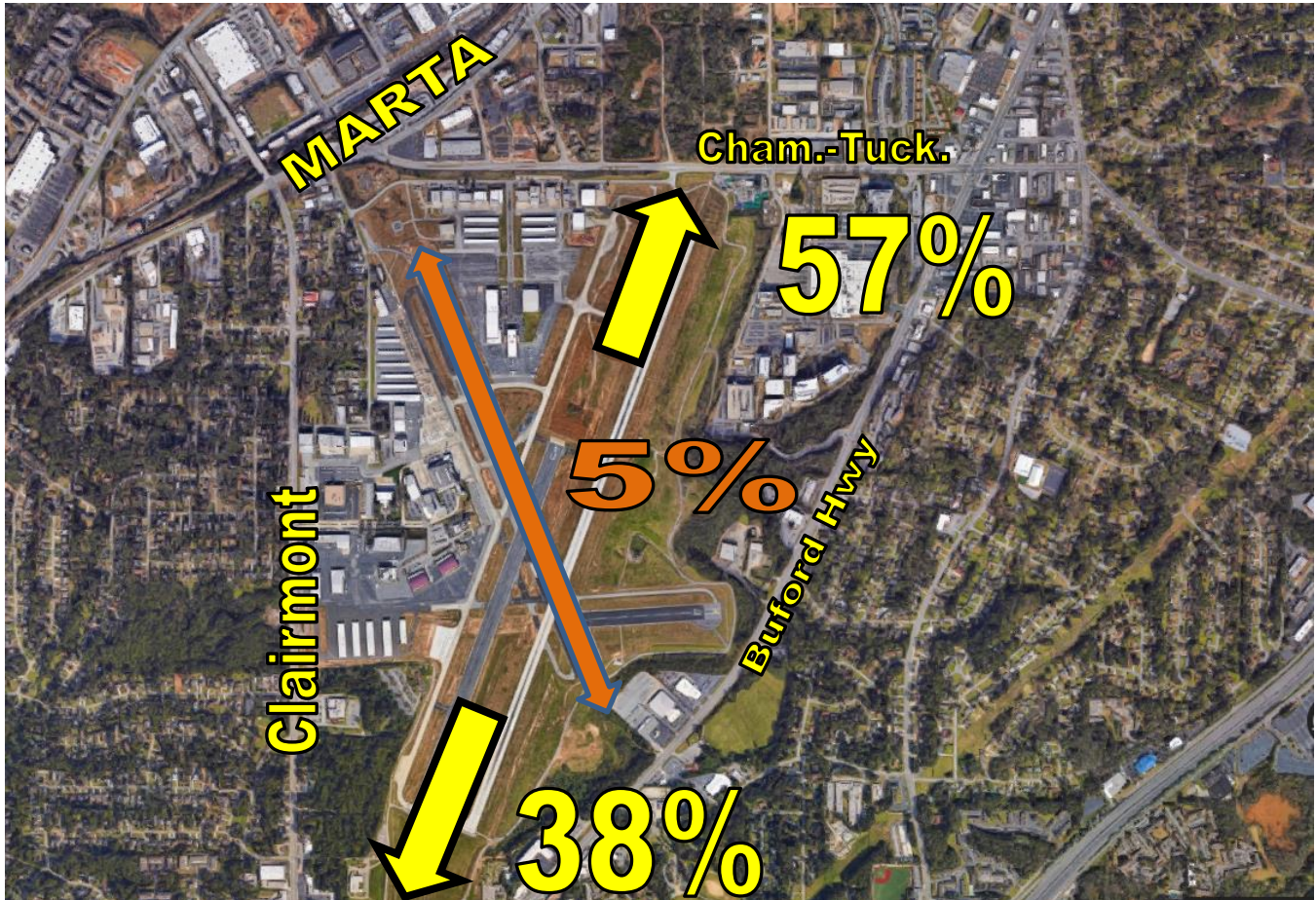


2019 Total Operations	2019 Total Operations as of October 2019	Total 2020 Ops as of October 2020
161,367	134,651	115,541 (-14.19%)

2020 Operations by Month				
	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
JAN	9,231	4,142	13,373	311
FEB	7,999	2,988	10,987	280
MAR	6,886	4,153	11,039	275
APR	4,644	1,208	5,852	198
MAY	7,891	3,534	11,353	259
JUN	8,397	4,269	12,666	355
JUL	8,155	4,036	12,191	355
AUG	7,971	3,678	11,649	349
SEP	9,444	3,830	13,274	565
OCT	9,711	3,356	13,067	454
NOV				
DEC				

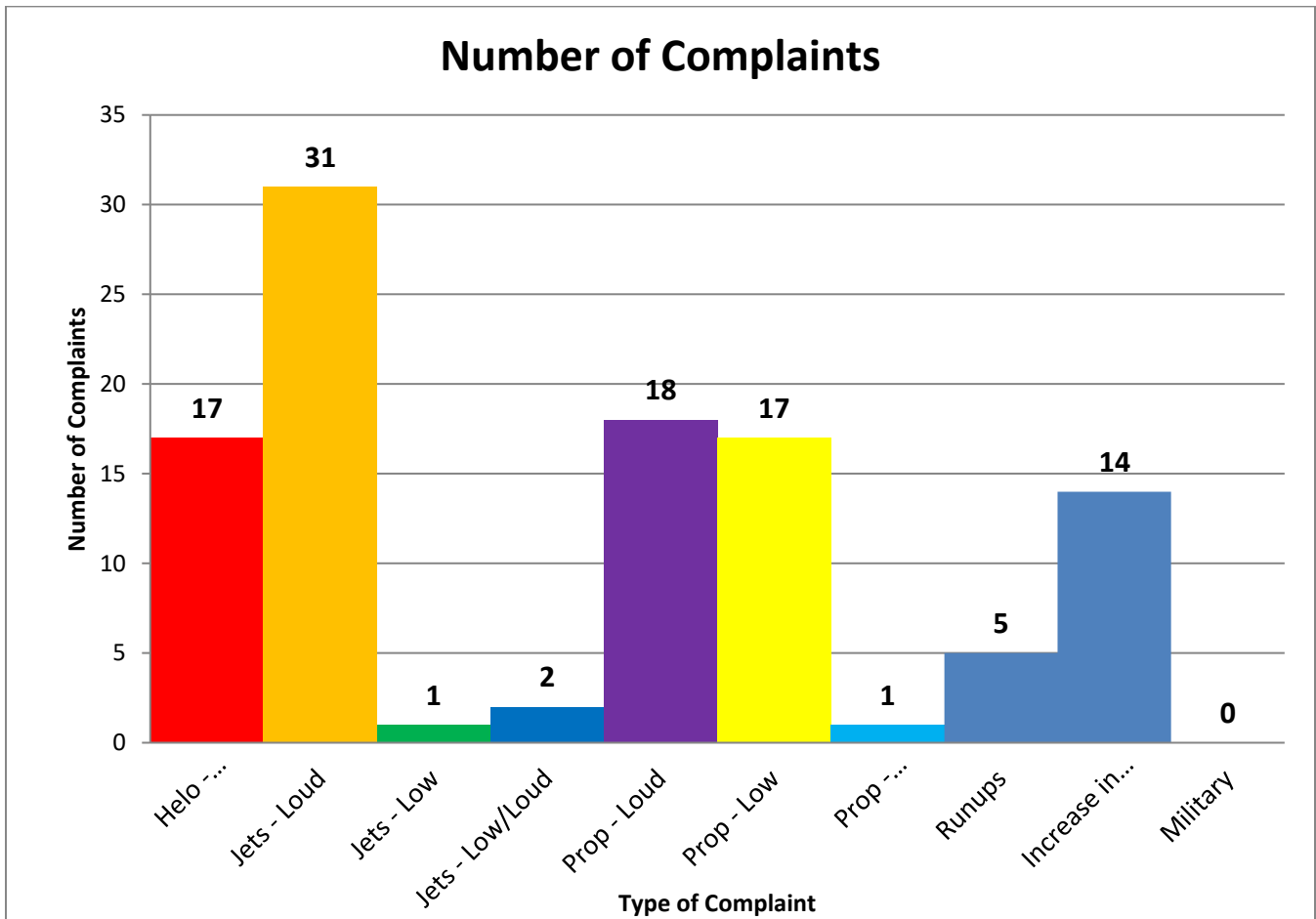
Runway Mode of Operations – October 2020

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.

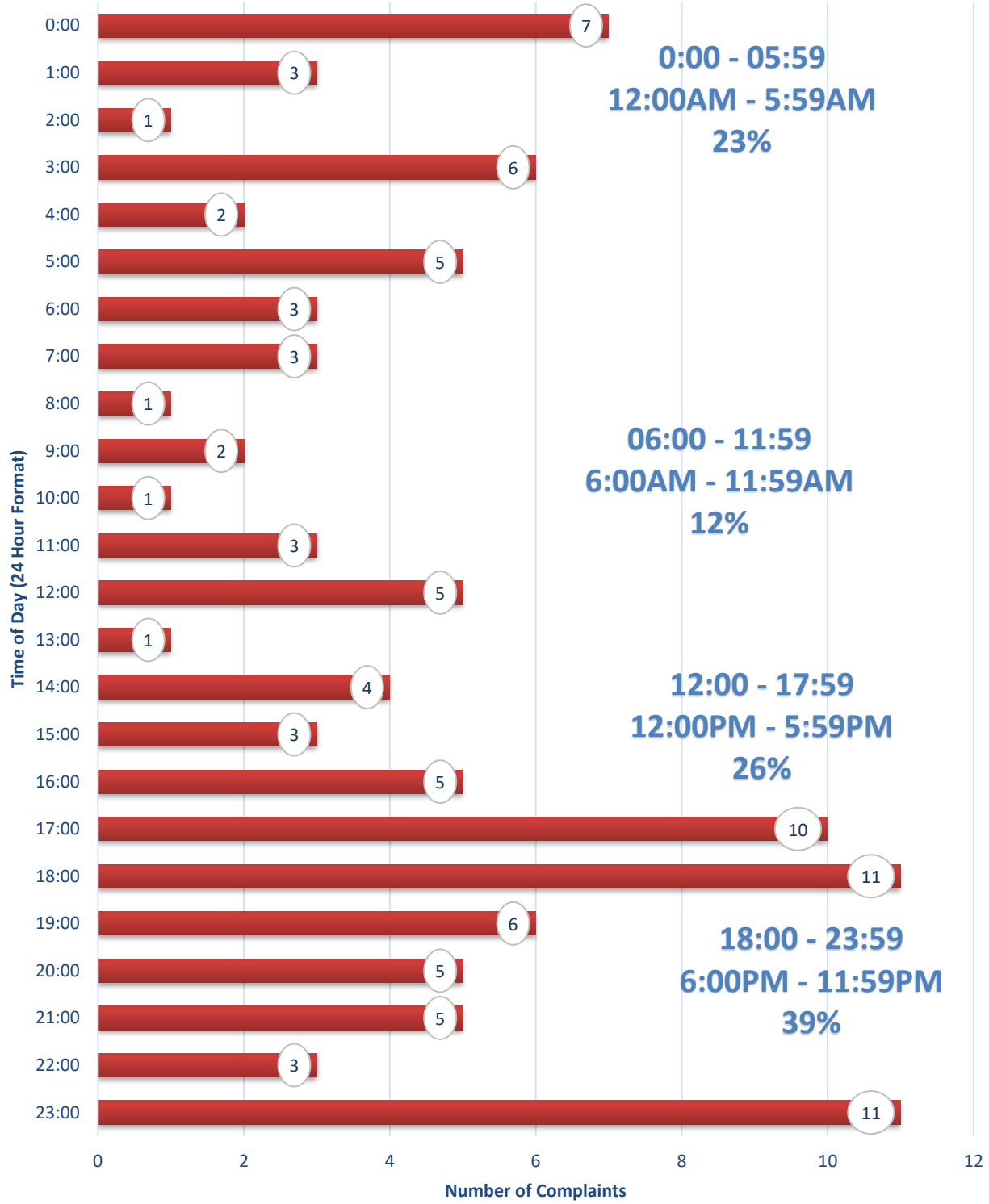


Noise Disturbance Summary

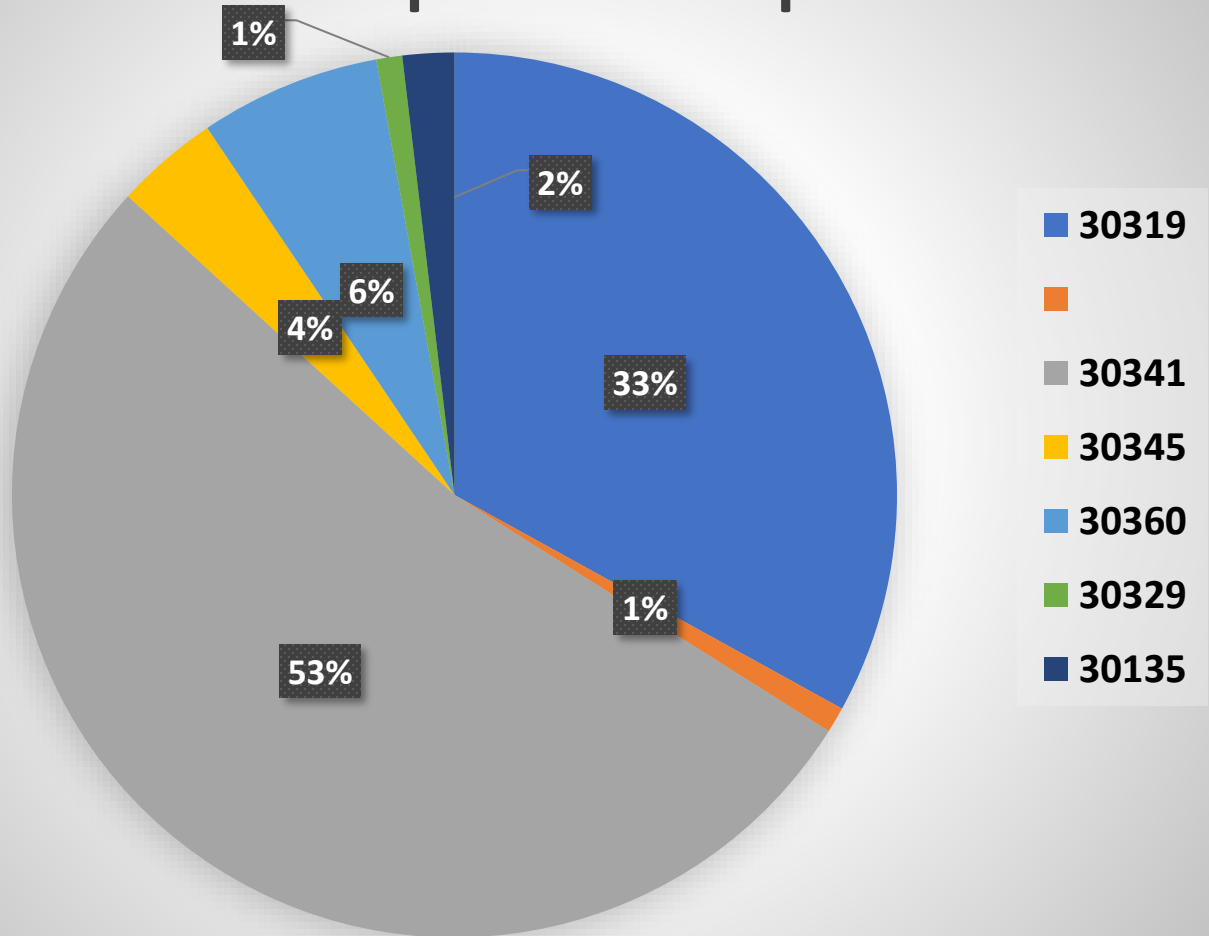
Total complaints for October 2020	Monthly Complaint Average 2020	October 2020 Complaints per Household <i>(minus top two/Households)</i>	October 2020 Complaints per Household <i>All Inclusive</i>
106	102	1.75	4.8



Number of Complaints by Hour



Zip Code Complaints

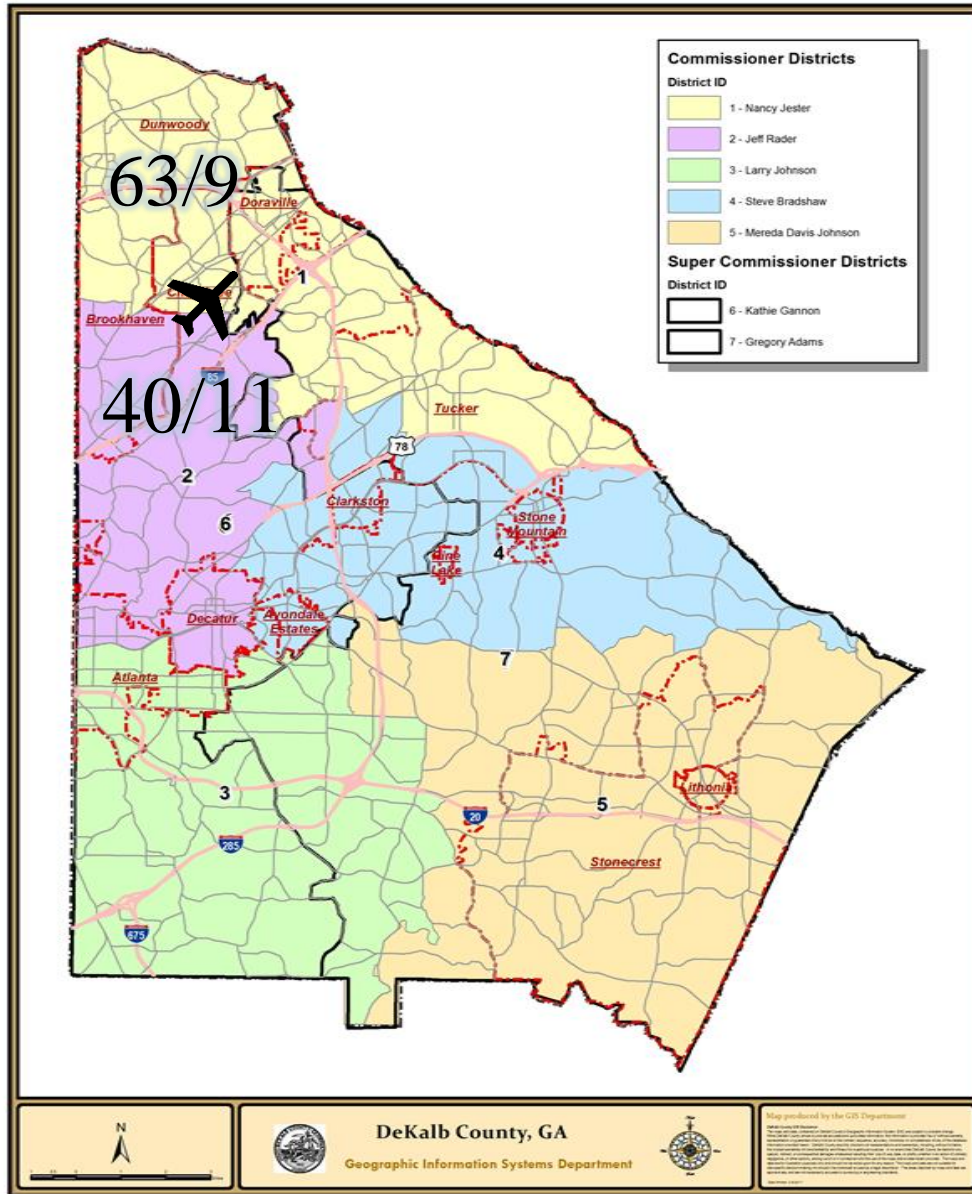


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	33%
30341	Chamblee - North	53%
30345	Chamblee - South	4%
30360	Dunwoody	1%
30329	North Druid Hills	1%
30135	Douglasville	1%
Unknown		1%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Anon - 1	Dresden Dr	Atlanta	30341	43
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	28
Nagel	3905 Winters Hill Drive	Atlanta	30360	7
Yates	1889 9th Street	Chamblee	30341	7
Ledford	3811 Harts Mill Ln	Atlanta	30319	2
Koenig	4034 Oak Hill Road	Douglasville	30135	2
Bevins	2536 Woodacres Rd NE	Atlanta	30345	2
James				1
Yin	Perimeter Park Dr	Chamblee	30341	1
Anderson	5200 Peachtree Rd Apt 1108	Atlanta	30341	1
Madan	2022 Drew Valley Rd NE	Brookhaven	30319	1
Floyd	3622 Carmel Rd	Chamblee	30341	1
Gardner	3752 Ensign Drive	Chamblee	30341	1
Runestad	2430 Field Way	Brookhaven	30319	1
Sheffield	1920 Gainsborough Drive	Chamblee	30341	1
Jakobsen	3902 Commander Dr	Atlanta	30341	1
Terry	2652 Cove Circle NE	Atlanta	30319	1
Anon - 2	2003 Lavista Rd	Atlanta	30329	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	1
Moss	2360 Drew Valley Road NE	Brookhaven	30319	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	1
Rodriquez	1029 Fairway Estates NE	Atlanta	30319	1

Complaints per Commission District



63/9

40/11

Total Number of Complaints

Total Number of Complainants




103 /
20

There were 1 complainant(s) outside of DeKalb County with 2 complaint(s) total.

There were 1 complainant(s) with an unknown address with 1 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 **96 (91%)** out of **106** complaints:

- **92 or 86.8%** of the noise complaints were found to be **Direct** correlations
- **4 or 3.8%** were **Indirect** correlations to operations
- **10 or 9.4%** 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.

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

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
F	10/1/2020 0:08	10/1/2020 0:09	21L	A	GLF4	DCM4212		
F	10/1/2020 0:09	10/1/2020 0:09	21L	A	GLF4	DCM4212		
F	10/1/2020 0:42	10/1/2020 0:42	03R	D	AC50	CTL67		
Bevins	10/1/2020 12:03	10/1/2020 12:03	21R	D	UNKN	N929A		
Schneeberg	10/1/2020 12:31	10/1/2020 12:27	21R	D	UNKN	N9672V		
Bevins	10/1/2020 12:40	10/1/2020 12:39	21L	D	BE58	N213CH	NMS03	72.8
F	10/1/2020 16:49	10/1/2020 16:54	21R	A	UNKN	N73924	NMS03	69.1
F	10/1/2020 18:01	10/1/2020 17:56	21R	A	UNKN	N737YE		
F	10/1/2020 20:08	10/1/2020 20:13	21R	A	AC50	CTL333	NMS03	78.9
F	10/1/2020 20:27	10/1/2020 20:23	21L	D	UNKN	N1925	NMS03	74.5
Moss	10/1/2020 23:21							
F	10/2/2020 23:31	10/2/2020 23:30	03R	D	BE58	LBQ782		
F	10/3/2020 0:09	10/3/2020 0:08	03R	A	BE58	LBQ850		
Runestad	10/3/2020 3:59							
Schneeberg	10/3/2020 17:05	10/3/2020 17:01	03L	A	UNKN	N314GT		
Yates	10/3/2020 21:53	10/3/2020 21:57	UNK	A	UNKN	N543BZ		
Yates	10/4/2020 4:02							
Sheffield	10/4/2020 10:25	10/4/2020 10:24	03L	D	UNKN	N73924	NMS01	71.1
Schneeberg	10/4/2020 12:01	10/4/2020 11:58	03L	D	UNKN	N393ES		
F	10/5/2020 5:45	10/5/2020 5:44	21L	A	C560	N154JK		
F	10/5/2020 5:48	10/5/2020 5:44	21L	A	C560	N154JK		
Yates	10/5/2020 21:43	10/5/2020 21:47	03R	A	UNKN	N674A		
F	10/6/2020 0:32	10/6/2020 0:31	21L	D	BE9L	N377P	NMS03	69.7
F	10/6/2020 23:14	10/6/2020 23:14	03R	D	BE58	LBQ782		
F	10/7/2020 1:03	10/7/2020 1:02	21L	D	BE20	CTE615	NMS03	75

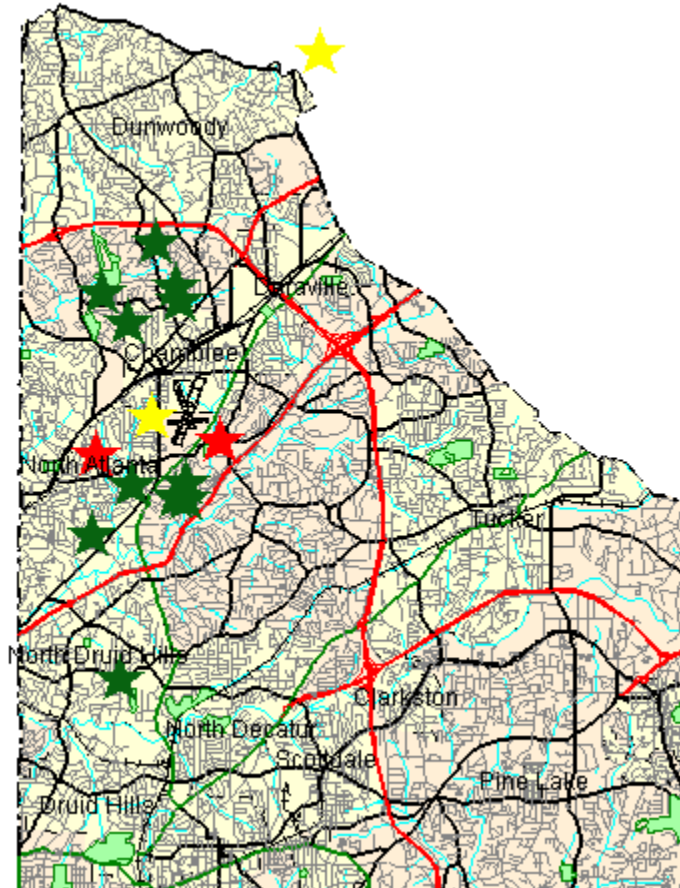
Fox	10/8/2020 6:30	10/8/2020 6:30	21L	D	CL60	JTL777	NMS03	74.8
Gardner	10/8/2020 14:28	10/8/2020 14:05	03L	D	UNKN	N674A		
F	10/9/2020 1:48	10/9/2020 1:47	16	D	C208	N414CY		
Yates	10/9/2020 11:39	10/9/2020 11:37	03L	D	UNKN	N941CS		
Jakobsen	10/9/2020 12:04	10/9/2020 12:01	03L	D	P28A	N980A	NMS01	71.1
Yates	10/10/2020 2:10	10/10/2020 2:09	21L	A	GLF4	EDG195		
F	10/12/2020 5:17	10/12/2020 5:16	21L	D	BE40	JTL480	NMS03	80.2
F	10/12/2020 5:25	10/12/2020 5:24	21L	D	UNKN	UNKNOWN	NMS03	79.8
Schneeberg	10/12/2020 18:48	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 18:49	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 18:51	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 18:53	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 18:54	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 18:55	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 19:04	10/12/2020 18:35	03L	T	UNKN	N1080H		
Schneeberg	10/12/2020 19:05	10/12/2020 19:02	34	T	UNKN	N608HR		
F	10/12/2020 21:37	10/12/2020 21:38	21L	T	UNKN	N19646		
F	10/12/2020 21:59	10/12/2020 21:59	21R	D	UNKN	N165AE	NMS03	73.4
F	10/12/2020 21:59	10/12/2020 21:59	21R	D	UNKN	N165AE	NMS03	73.4
F	10/12/2020 23:03	10/12/2020 23:02	21L	D	GLF4	LXJ453	NMS03	74.7
F	10/12/2020 23:34	10/12/2020 23:34	UNK	D	UNKN	N445CH		
F	10/13/2020 0:33	10/13/2020 0:32	21L	A	C560	N154JK		
James	10/13/2020 3:28							
Schneeberg	10/13/2020 17:40	10/13/2020 17:39	03L	A	UNKN	N1080H		




Schneeberg	10/13/2020 17:41	10/13/2020 17:43	03R	T	UNKN	N159CD		
Schneeberg	10/13/2020 19:09	10/13/2020 19:12	03L	T	UNKN	N980A		
Schneeberg	10/13/2020 19:19	10/13/2020 19:24	16	A	UNKN	N4488H		
Yin	10/13/2020 19:55							
F	10/13/2020 23:24	10/13/2020 23:23	03R	D	UNKN	N10XN		
F	10/14/2020 4:27	10/14/2020 4:26	21L	D	PC12	SKQ31	NMS03	68.5
Schneeberg	10/14/2020 15:21	10/14/2020 15:23	03L	A	UNKN	N26935		
F	10/14/2020 23:53	10/14/2020 23:53	03R	D	AC50	CTL67		
Nagel	10/15/2020 16:13	10/15/2020 16:15	21L	A	GLF6	N13JS		
Schneeberg	10/15/2020 20:36	10/15/2020 20:35	21R	T	UNKN	N161GT		
Schneeberg	10/15/2020 20:52	10/15/2020 20:50	21R	D	UNKN	N314GT		
F	10/15/2020 23:23	10/15/2020 23:23	21L	D	LJ40	ERY97	NMS03	75.7
Anderson	10/16/2020 0:00							
F	10/16/2020 6:05	10/16/2020 6:04	UNK	D	UNKN	N2AQ		
Schneeberg	10/16/2020 17:21	10/16/2020 17:21	03L	A	UNKN	N81771		
F	10/16/2020 23:28	10/16/2020 23:28	03R	D	AC50	CTL67		
Floyd	10/16/2020 23:29	10/16/2020 23:28	03R	D	AC50	CTL67	NMS01	72.8
F	10/17/2020 1:22	10/17/2020 1:20	03R	D	EA50	N113EA		
F	10/17/2020 3:36	10/17/2020 3:39	UNK	A	PC12	SKQ44	NMS03	69.9
Schneeberg	10/17/2020 18:40	10/17/2020 18:38	21R	D	UNKN	N161GT		
Schneeberg	10/17/2020 18:40	10/17/2020 18:38	21R	D	UNKN	N161GT		
Ledford	10/18/2020 14:32	10/18/2020 14:25	03L	D	UNKN	N386D	NMS01	67.4
Yates	10/18/2020 20:54	10/18/2020 20:53	21L	A	C68A	EJA640		

F	10/19/2020 5:20	10/19/2020 5:20	21L	D	E55P	N308GV	NMS03	77.3
F	10/19/2020 6:06	10/19/2020 6:05	16	D	UNKN	N2AQ		
Schneeberg	10/19/2020 7:00	10/19/2020 7:05	21L	D	C56X	N735XL		
F	10/19/2020 17:18	10/19/2020 17:33	21R	A	UNKN	N4070Z		
Schneeberg	10/19/2020 18:39	10/19/2020 18:31	21R	T	UNKN	N66597	NMS02	75.2
F	10/19/2020 22:05	10/19/2020 21:55	UNK	O	UNKN	UNKNOWN		
F	10/20/2020 3:53	10/20/2020 3:52	21L	D	C560	N154JK	NMS03	76.3
Schneeberg	10/20/2020 16:43	10/20/2020 16:45	03L	T	UNKN	N335R		
Nagel	10/21/2020 8:03	10/21/2020 8:02	21L	A	GLF4	N700FJ		
Madan	10/21/2020 11:58							
Schneeberg	10/21/2020 17:11	10/21/2020 16:47	UNK	O	UNKN	N442MW		
Schneeberg	10/21/2020 17:26	10/21/2020 17:23	03R	T	UNKN	UNKNOWN		
Terry	10/22/2020 7:24	10/22/2020 7:23	21R	D	UNKN	N9054S	NMS03	69.1
Nagel	10/22/2020 13:17	10/22/2020 13:17	21L	A	H25B	N800WH		
Yates	10/22/2020 17:31	10/22/2020 17:32	21L	D	PA32	N53392	NMS03	72.3
F	10/23/2020 9:23	10/23/2020 9:22	21L	D	E55P	N175MC	NMS03	74.5
Miller	10/23/2020 11:25	10/23/2020 11:18	8R	D	B712	UNKNOWN		
Koenig	10/23/2020 15:42							
Koenig	10/23/2020 15:43							
Schneeberg	10/23/2020 17:46	10/23/2020 17:22	UNK	O	UNKN	N1958C		
Nagel	10/26/2020 14:24	10/26/2020 14:31	21L	A	S22T	N23SB		
Philips	10/27/2020 3:18	10/27/2020 3:13	21L	D	C208	N414CY	NMS03	74.5
Rodriquez	10/27/2020 14:46							

F	10/28/2020 9:22	10/28/2020 9:22	21L	D	C25B	N516KM	NMS03	79.9
Nagel	10/28/2020 16:14	10/28/2020 16:21	21L	A	C56X	FWK285		
Nagel	10/28/2020 16:40	10/28/2020 16:43	21L	A	C68A	EJA513		
Nagel	10/28/2020 17:00	10/28/2020 17:07	21R	A	C172	N106AF		
Schneeberg	10/29/2020 18:13	10/29/2020 18:26	21L	A	C68A	EJA610		
F	10/29/2020 23:45	10/29/2020 23:46	21L	A	GLF4	DCM4212		
F	10/30/2020 7:08	10/30/2020 7:02	03R	D	G280	N86CW		
Ledford	10/30/2020 19:16	10/30/2020 19:21	21R	A	UNKN	N543BZ	NMS01	69.7
F	10/30/2020 22:21	10/30/2020 21:56	03R	T	UNKN	N125SB	NMS03	74.1
F	10/30/2020 22:27	10/30/2020 22:21	UNK	O	UNKN	N90DK		
F	10/31/2020 3:47	10/31/2020 3:40	21L	D	C208	N414CY	NMS03	73.3

Disturbance Location Pin Map – October 2020



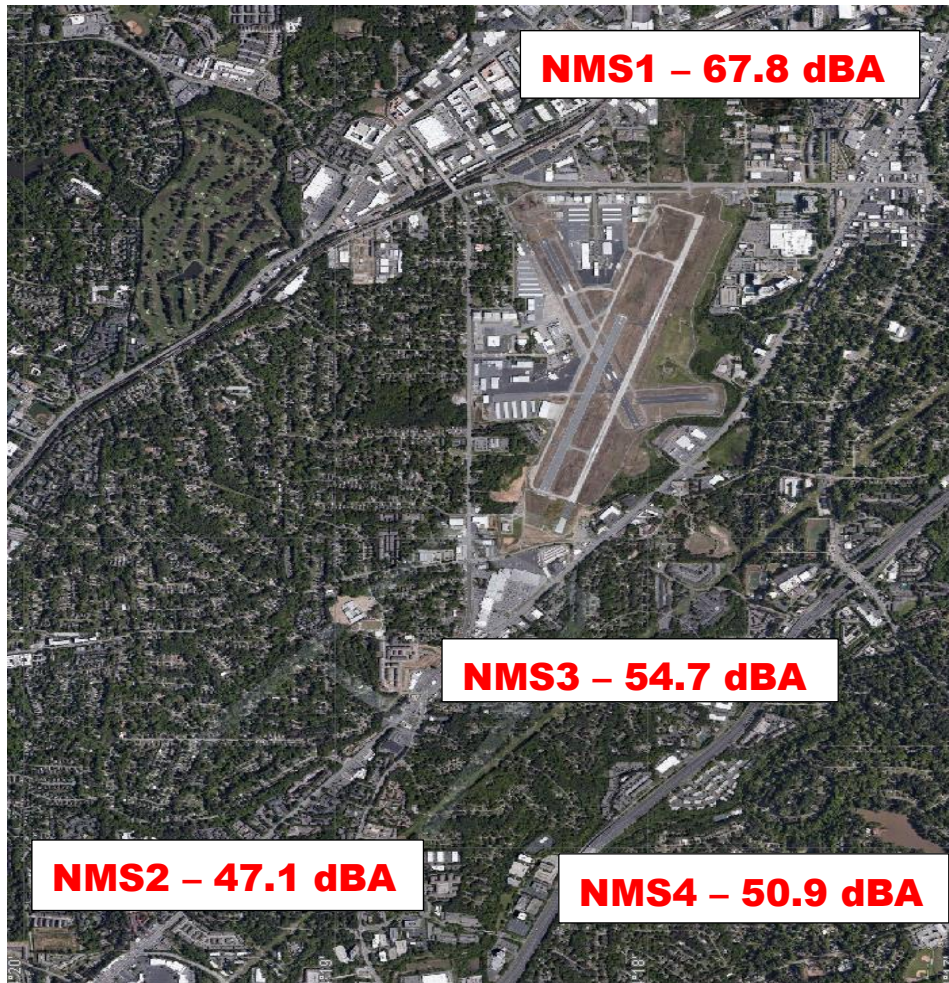
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(1 Complainant(s) outside of DeKalb County; and 1 unknown)

Monthly Noise Levels at Monitors

October 2020



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_{max} – 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 **452 (99.6%)** of the **454** operations during the voluntary curfew period (11PM-6AM) during the month of **October 2020**. Of the **452** identified operations, **318 (70.4%)** 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, **82 one-time** operations were conducted during this period.
- Out of the *identified* operations, **370 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:

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

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

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

Complaints received from operations conducted during the voluntary curfew period:

106 complaints were received during **October 2020**.

35 (33%) 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 – October 2020 N#'s (Multi-Use):

36 Aircraft with 2 Operations (**OLV608**, N7664F, N63NM, **N332AM**, N88GT, **EMD28**, **LBQ860**, WWI84, **N143DE**, **N407LS**, **LBQ841**, MLN285, **N895CR**, **N423AE**, **CTE816**, N442CJ, N610LJ, N14175, N10XN, N761SD, **N486AE**, N7JG, **N519SF**, N858WK, N113EA, **N891AA**, **CTL35**, N9298S, N543BZ, LBQ640, **N547AE**, DCM4212, N140SB, N558MT, N469ES, N402A)

5 Aircraft with 3 Operations (PHJ56, **N553AE**, **N335AE**, N125SB, **N445CH**)

7 Aircraft with 4 Operations (**N525JW**, **N325AM**, **N684AE**, **CTE585**)

3 Aircraft with 5 Operations (N6919J, N154JK, **CTE615**)

1 Aircraft with 6 Operations (**N329GS**)

1 Aircraft with 8 Operations (**SKQ44**)

3 Aircraft with 10 Operations (**LBQ840**, **N208LS**, **N377P**)

1 Aircraft with 12 Operations (**LBQ782**)

1 Aircraft with 14 Operations (**LBQ865**)

3 Aircraft with 16 Operations (**LBQ850**, **LBQ783**, **LBQ825**)

1 Aircraft with 30 Operations (**SKQ31**)

1 Aircraft with 42 operations (CTL67)

1 Aircraft with 50 Operations (N414CY)

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

32 Aircraft with 2 Operations (N613HA, **N442GJ**, N735XL, **N179SF**, N51GJ, EJA110, N659A, UJC6, N165AE, N914AS, **N519SF**, N92CJ, **N550AJ**, N945HC, N62855, LBQ780, N685MF, GLT777, KFS88, LBQ111, **N135SH**, WWI111, N946HC, N310GV, N986LF, CNS12, **CTE615**, N369SE, **N252RV**, YEL6, **N309CJ**, **N355AE**)

5 Aircraft with 3 Operations (**N423AE**, **N377P**, **LBQ784**, **FTD506**, N91853)

4 Aircraft with 4 Operations (**SKQ44**, **N985CR**, **LBQ841**, **CTE585**)

1 Aircraft with 5 Operations (N103AV)

1 Aircraft with 6 Operations (**N117CH**)

1 Aircraft with 8 Operations (N154JK)

1 Aircraft with 11 Operations (**N208LS**)

1 Aircraft with 32 Operations (**SKQ31**)

1 Aircraft with 35 Operations (**LBQ840**)

3 Aircraft with 37 Operations (**LBQ850**, **LBQ782**, **LBQ783**)

1 Aircraft with 38 Operations (**LBQ865**)

1 Aircraft with 41 operations (**LBQ825**)

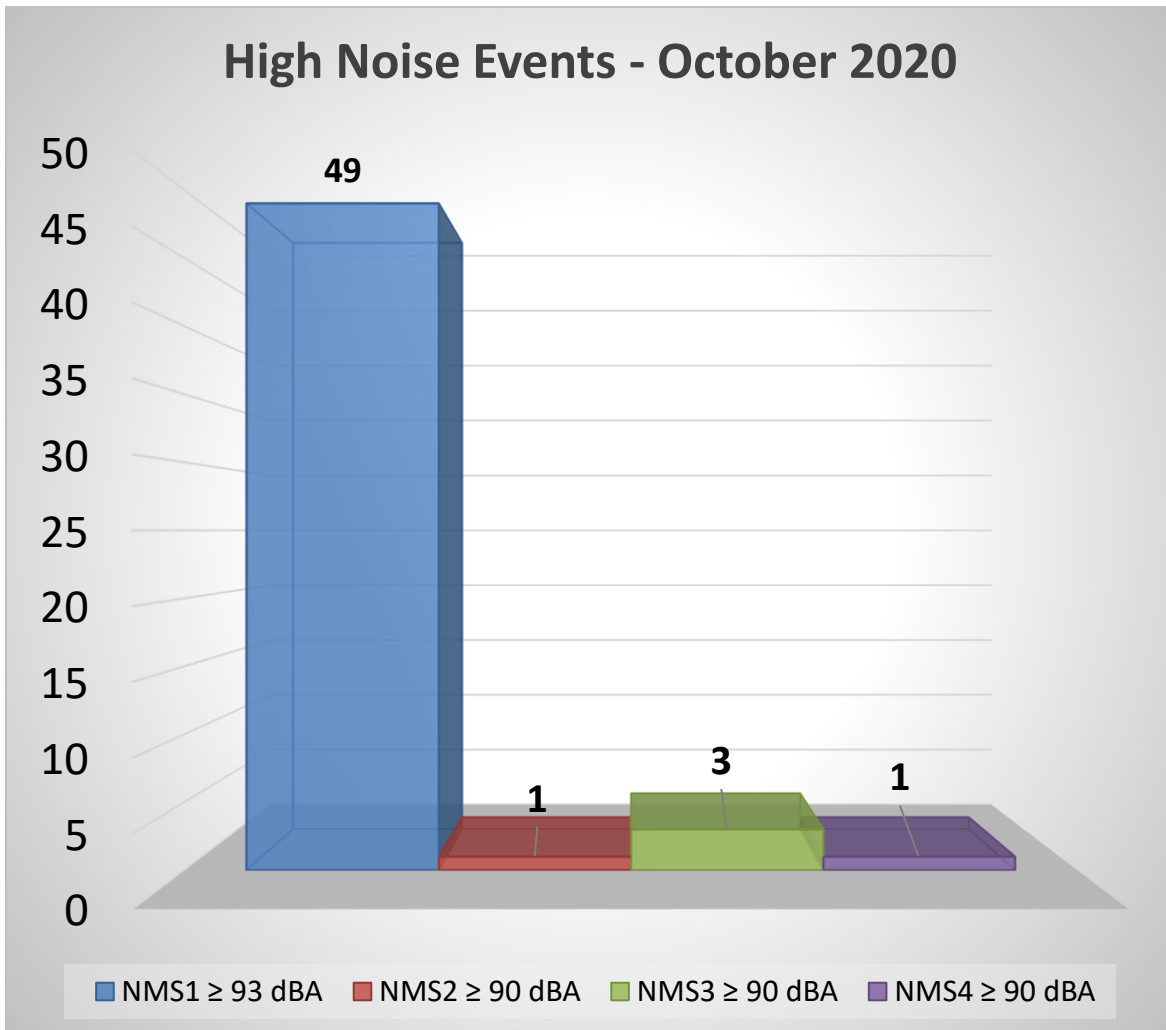
1 Aircraft with 42 Operations (**CTL67**)

1 Aircraft with 43 Operations (**N414CY**)

A total of **134** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **October** who were not identified as Med-Evac and/or other emergency flights.

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



October 2020

3 Aircraft with 2 High Noise Event (N560SC, **MPECL**, N50FG)

2 Aircraft with 3 High Noise Events (**N329GS**, N116RW)

1 Aircraft with 4 High Noise Events (N791CP)

September 2020

3 Aircraft with 2 High Noise Event (N57MK, N30WR, N347JR)

2 Aircraft with 3 High Noise Events (N58DH, N116RW)

Comments/Concerns?

Please visit www.pdkairport.org for airport information. You October also contact the airport about noise concerns at pdknoise@dekalbcountyga.gov or call the noise hotline at (770) 936-5442.