



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

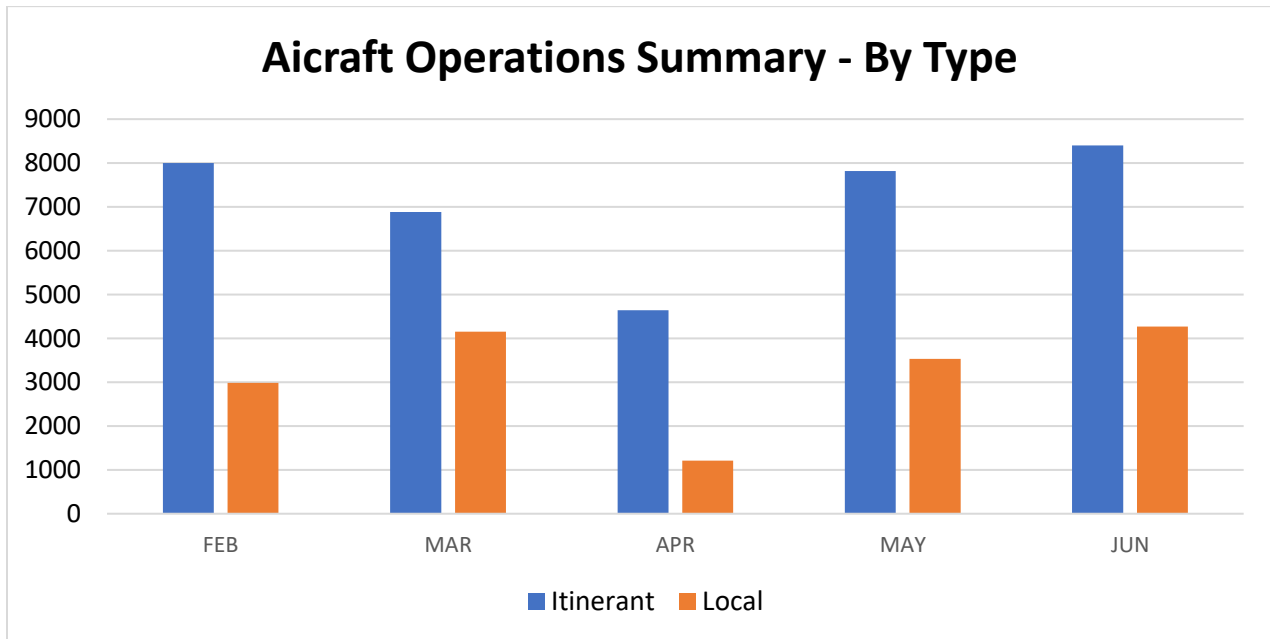
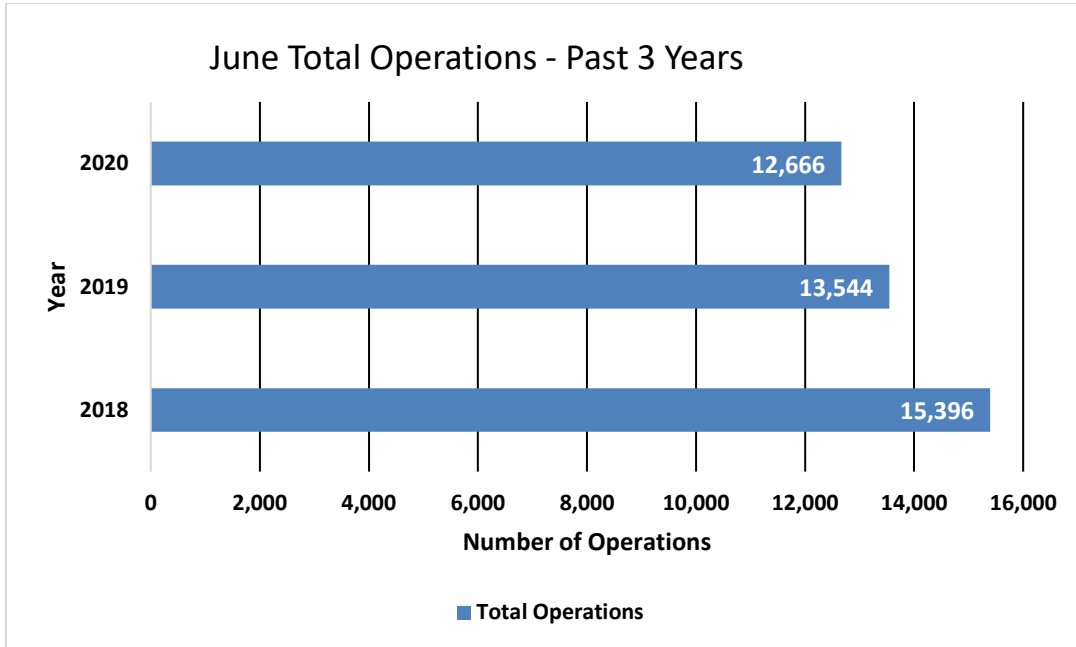
## June 2020 Aircraft Operations:

	<b>This Month</b>	This Month, Last Year (June 2019)	% Change from June 2019	5-Year Average for Month
Total Operations	<b>12,666</b>	<b>13,544</b>	<b>-6.48%</b>	<b>13,612</b>
Itinerant	<b>8,397</b>	<b>9,634</b>	<b>-12.84%</b>	<b>9,543</b>
Local	<b>4,269</b>	<b>3,910</b>	<b>9.18%</b>	<b>4,069</b>
Voluntary Curfew Ops	<b>355</b>	<b>315</b>	<b>11.27%</b>	<b>327</b>
Prior Authorization	<b>95</b>	<b>(3)</b> Noise disturbance calls associated with these flights. <b>(4)</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.**

# June 2020 Aircraft Operations Summary

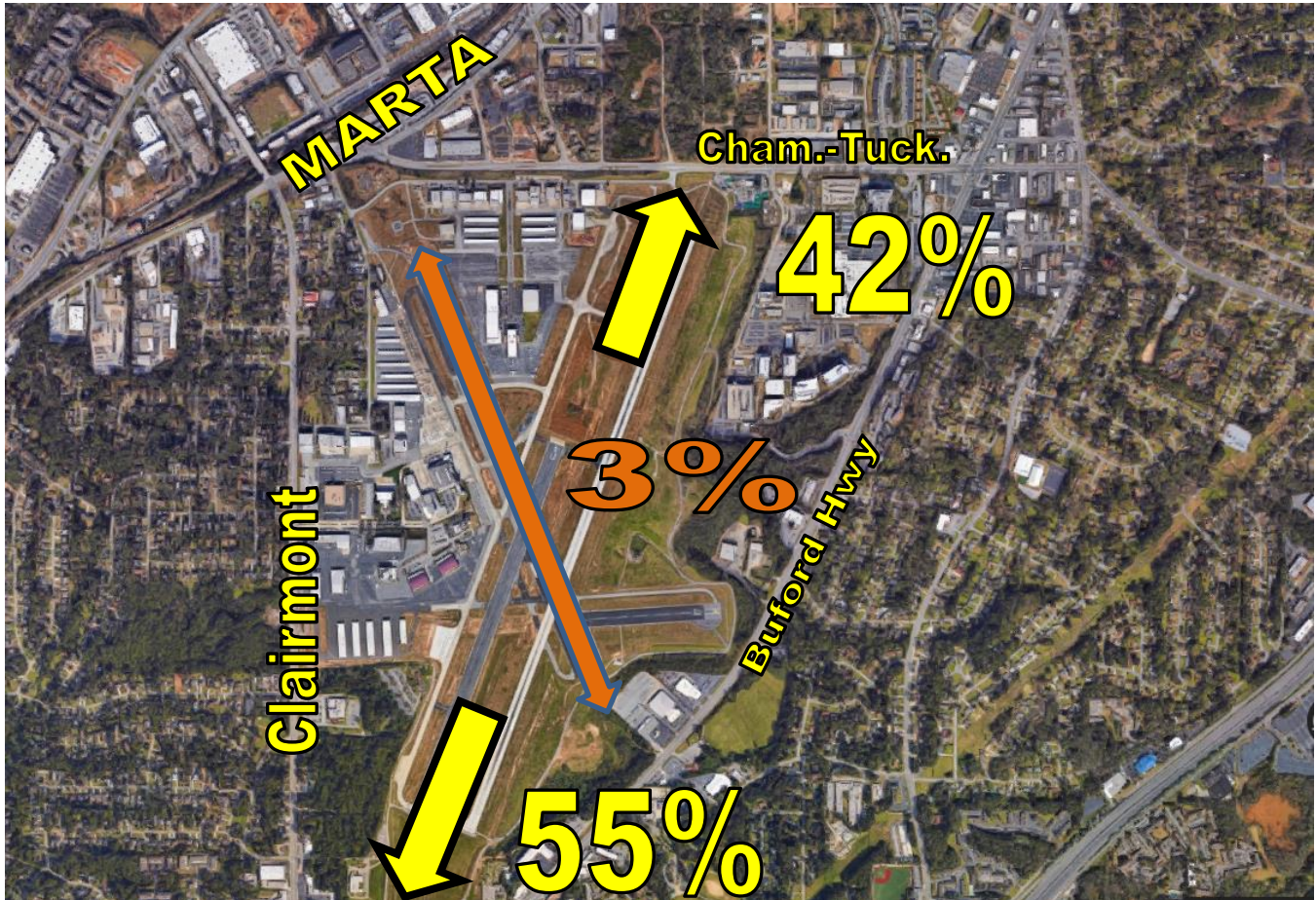


2019 Total Operations	2019 Total Operations as of June 2019	Total 2020 Ops as of June 2020
161,367	76,775	65,270 (-14.99%)

<b>2020 Operations by Month</b>				
	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
<b>JUN</b>	<b>8,397</b>	<b>4,269</b>	<b>12,666</b>	<b>355</b>
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

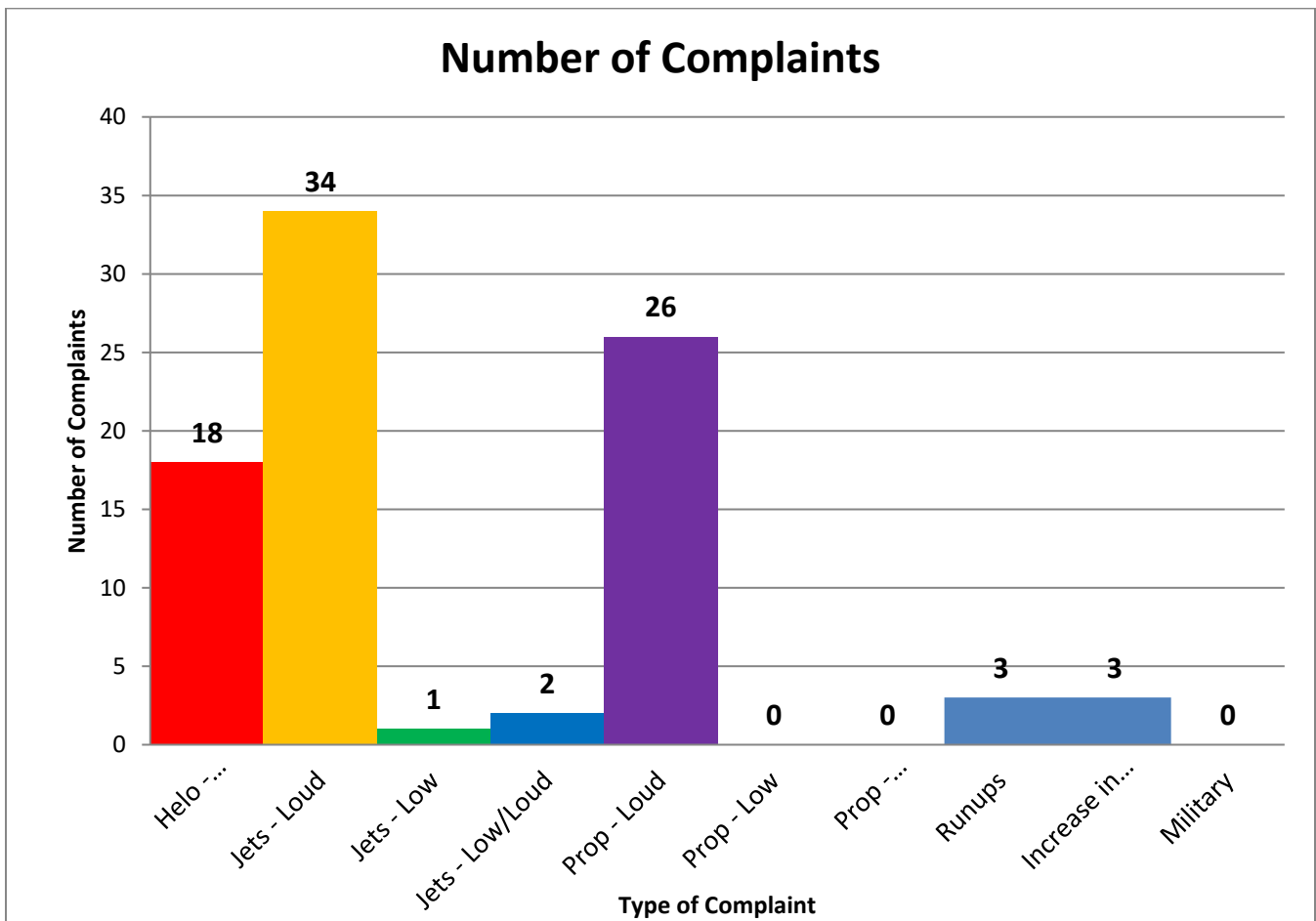
# Runway Mode of Operations – June 2020

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.

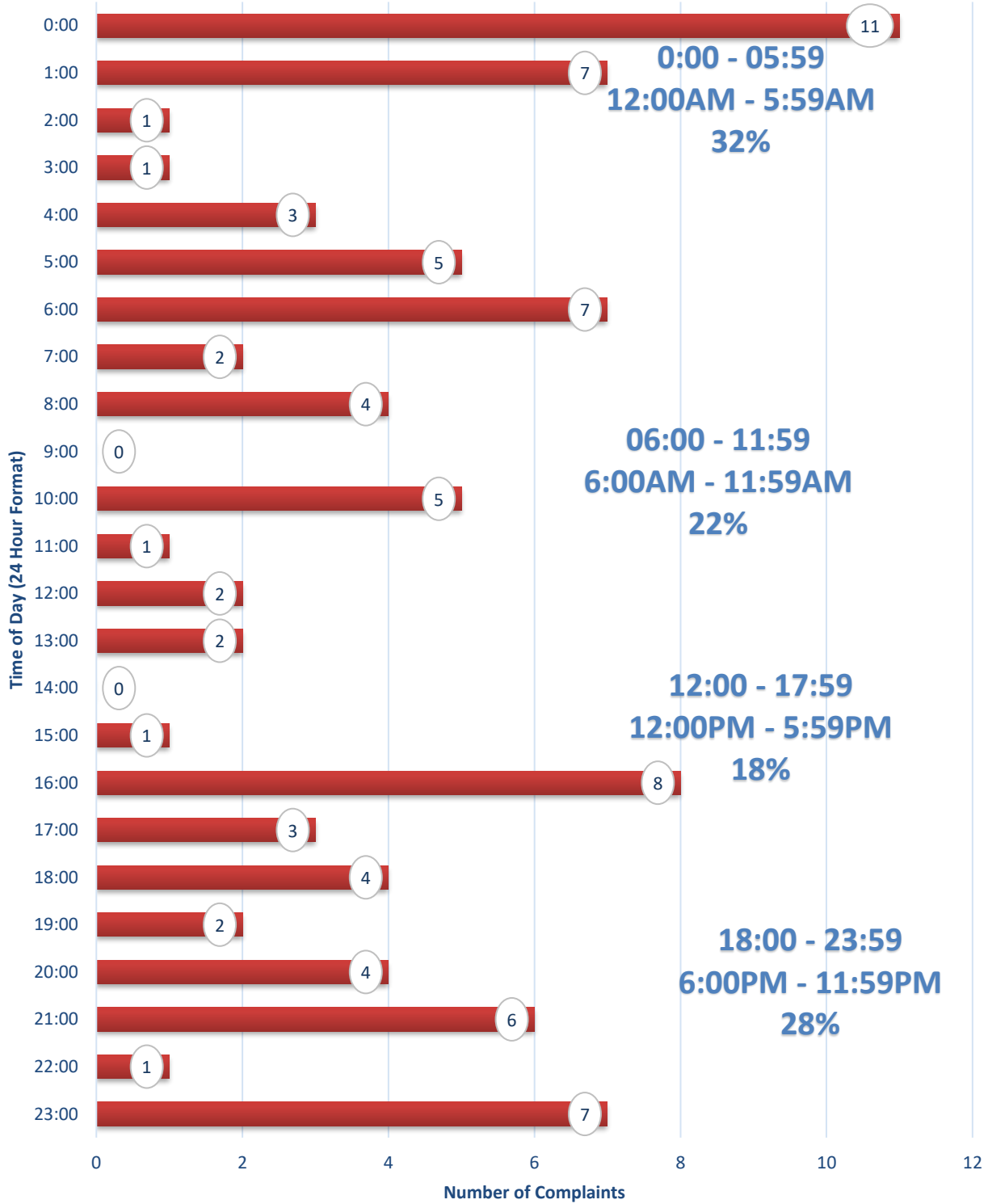


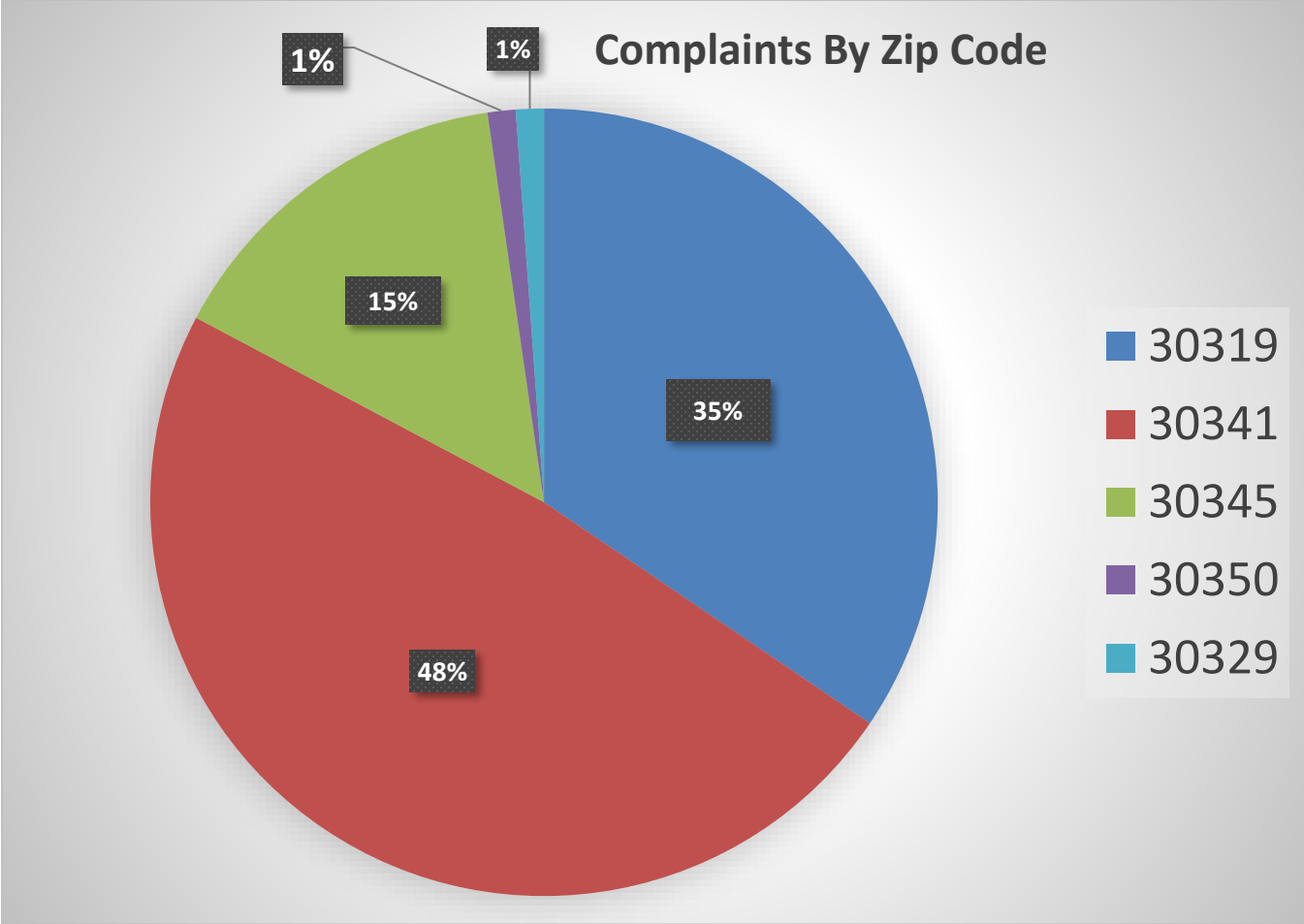
# Noise Disturbance Summary

Total complaints for June 2020	Monthly Complaint Average 2020	June 2020 Complaints per Household <i>(minus top two/Households)</i>	June 2020 Complaints per Household <i>All Inclusive</i>
87	102	2.1	4.1



## Number of Complaints by Hour





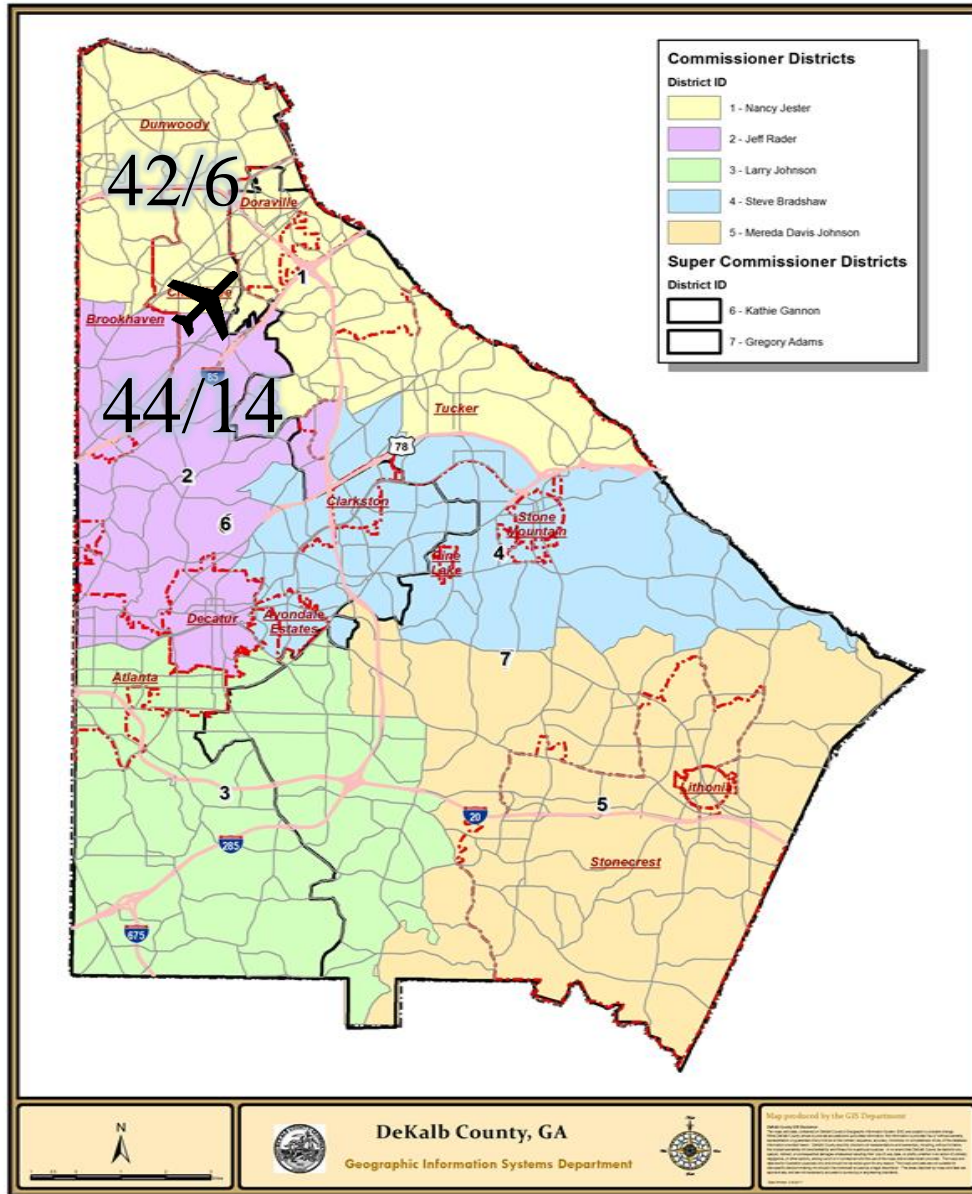
<b>Zip Code Guide</b>		
<b>Zip Code</b>	<b>Community</b>	<b>% of Complaints</b>
30319	Brookhaven	35%
30341	Chamblee - North	48%
30345	Chamblee - South	15%
30350	Sandy Springs	1%
30329	Druid Hills	1%



# Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	14
Bailey	2693 Cove Cir NE	ATLANTA	30319	1
Anon-1	LaVenture Forest	Atlanta	30341	32
P	2100 Imperial Drive	Atlanta	30345	1
Wilson	3814 captain drive	Chamblee	30341	1
Masone	2352 Burch Cir NE	Atlanta	30319	1
Floyd	3622 Carmel Rd	Chamblee	30341	1
Anon-2	Ashford Rd NE	Atlanta	30319	2
Yates	1889 9th Street	Chamblee	30341	6
Gardner	3752 Ensign Drive	Chamblee	30341	1
Williams	1925 Monticello Ct	Sandy Springs	30350	1
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	5
Terry	2652 Cove Circle NE	Atlanta	30319	6
Robinson	2586 Warwick Cir NE	Chamblee	30345	1
Friedman	2234 Wayside Dr	Atlanta	30319	1
Sheffield	1920 Gainsborough Drive	Chamblee	30341	1
fuchs	2076 Beaver Road NE	Atlanta	30345	1
Stephens	1923 Briarmill Rd NE	Atlanta	30329	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	3
Philips	2442 Wentworth Dr NE	Atlanta	30345	6

# Complaints per Commission District



Total Number of Complaints




Total Number of Complainants

87/  
21

There were 1 complainant(s) outside of DeKalb County 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 **84 (96.6%)** out of **87** complaints:

- **83 or 95.4%** of the noise complaints were found to be **Direct** correlations
- **1 or 1.2%** were **Indirect** correlations to operations
- **3 or 3.4%** 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](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
Fox	6/1/2020 5:52	6/1/2020 5:42	21L	D	M20P	N79849	NMS03	72.8
Schneeberg	6/1/2020 16:44	6/1/2020 16:42	UNK	D	UNKN	N372HM		
Schneeberg	6/1/2020 18:23	6/1/2020 18:11	21R	D	UNKN	N73924		
Sadler	6/3/2020 21:08	6/3/2020 21:04	21R	D	UNKN	N140SB		
Anon - 1	6/4/2020 5:56	6/4/2020 5:55	21L	D	PC12	N859PL		
Anon - 1	6/4/2020 6:06	6/4/2020 6:04	16	D	UNKN	N2AQ		
Anon - 1	6/4/2020 6:37	6/4/2020 6:35	21R	D	UNKN	N76PC		
Anon - 1	6/4/2020 6:41	6/4/2020 6:35	21R	D	UNKN	N76PC		
Yates	6/4/2020 13:46	6/4/2020 13:49	21L	A	C501	N71LP		
Yates	6/4/2020 18:39	6/4/2020 18:37	21L	A	C206	N2445J		
Schneeberg	6/5/2020 8:02	6/5/2020 8:00	16	D	UNKN	N2AQ		
Terry	6/5/2020 21:40	6/5/2020 21:36	21L	D	SR22	N571CD	NMS03	68.3
Anon - 1	6/5/2020 23:13	6/5/2020 23:13	21L	A	F900	N116RW		
Philips	6/5/2020 23:50	6/5/2020 23:49	21L	D	F900	N116RW	NMS03	84.4
P	6/6/2020 0:01							
Anon - 1	6/6/2020 8:57	6/6/2020 8:54	21L	D	GLF4	N5GF	NMS03	80.5
Terry	6/6/2020 16:17	6/6/2020 16:13	21L	D	BE58	N265DB		
Schneeberg	6/6/2020 17:13	6/6/2020 17:11	UNK	D	UNKN	N206TJ		
Schneeberg	6/7/2020 16:30	6/7/2020 16:17	UNK	O	UNKN	N9693Y		
Yates	6/7/2020 19:36	6/7/2020 19:37	UNK	A	UNKN	N445CH		
Schneeberg	6/8/2020 20:39	6/8/2020 20:18	21R	D	UNKN	N26103		
Terry	6/9/2020 12:33	6/9/2020 12:27	21R	D	BE33	N75CS		
Schneeberg	6/9/2020 16:56	6/9/2020 16:51	21R	T	UNKN	N608HR		
Robinson	6/10/2020 0:35	6/10/2020 0:32	21L	D	F900	N711T	NMS03	86.3
Schneeberg	6/10/2020 16:18	6/10/2020 16:33	21R	A	UNKN	N148CZ		

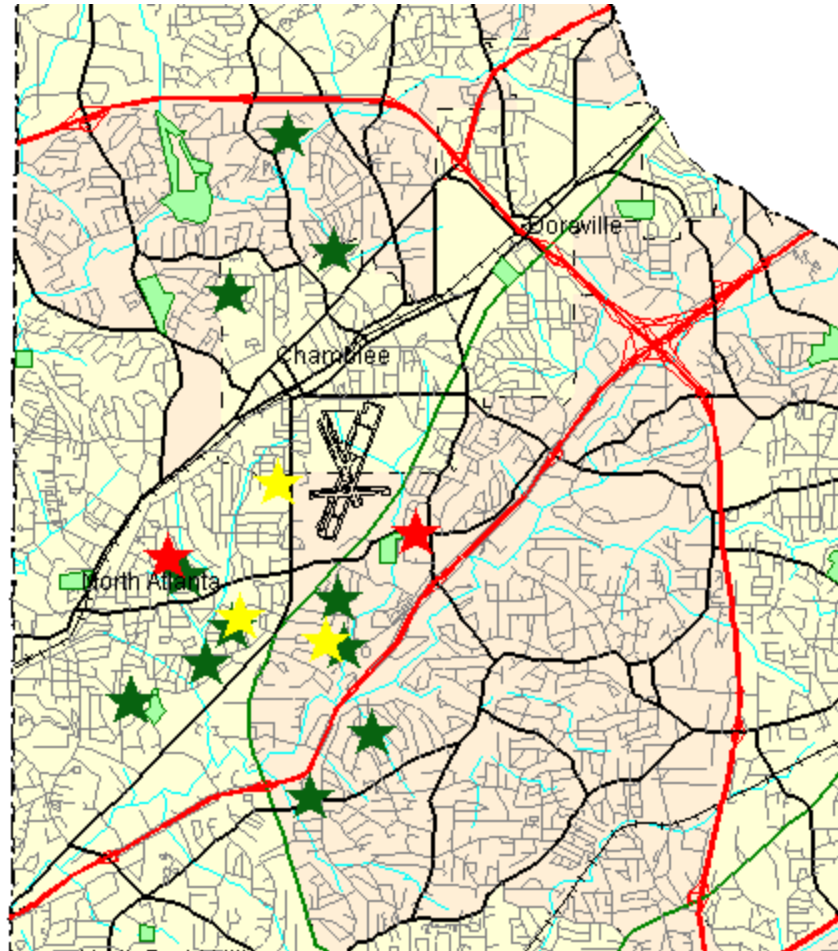
Schneeberg	6/10/2020 17:27	6/10/2020 17:20	21L	D	C56X	N564CH		
Anon - 1	6/11/2020 1:42	6/11/2020 1:39	21L	D	C560	N265CM	NMS03	82.4
Fox	6/11/2020 4:22	6/11/2020 4:33	21L	D	C560	N154JK	NMS03	83.2
Anon - 1	6/11/2020 4:39	6/11/2020 4:33	21L	D	C560	N154JK	NMS03	83.2
Anon - 1	6/11/2020 4:54	6/11/2020 4:53	21L	A	GLF3	N44HB		
Gardner	6/11/2020 13:33	6/11/2020 13:25	03R	D	PA46	N755FG	NMS01	71.1
Anon - 1	6/11/2020 15:04	6/11/2020 15:15	03R	A	F900	N508BA		
Anon - 1	6/12/2020 1:02	6/12/2020 1:02	21R	D	AC50	CTL67		
Fox	6/12/2020 5:56	6/12/2020 5:55	21L	D	H25B	N800WH	NMS03	76.4
fuchs	6/12/2020 17:26							
Anon - 2	6/13/2020 1:09	6/13/2020 1:07	21R	D	AC50	CTL67		
Schneeberg	6/13/2020 19:37	6/13/2020 19:35	UNK	D	UNKN	N123		
Philips	6/14/2020 11:41	6/14/2020 11:44	03R	A	BE36	N60YA	NMS03	71.7
Yates	6/14/2020 18:42	6/14/2020 18:35	34	A	C182	N2600G		
Wilson	6/14/2020 21:45							
Anon - 1	6/15/2020 0:13	6/15/2020 0:14	03R	A	GLEX	N683GA	NMS03	67.1
Anon - 1	6/15/2020 0:13	6/15/2020 0:14	03R	A	GLEX	N683GA	NMS03	67.1
Friedman	6/15/2020 23:09	6/15/2020 23:19	03R	A	UNKN	N674A		
Floyd	6/16/2020 16:45	6/16/2020 16:42	34	D	UNKN	N2AQ		
Anon - 1	6/17/2020 0:53	6/17/2020 0:55	21R	D	AC50	CTL67	NMS03	70.5
Anon - 1	6/17/2020 6:09	6/17/2020 6:03	34	D	UNKN	N2AQ		
Philips	6/17/2020 10:04	6/17/2020 9:55	21R	D	UNKN	N7020L		
Schneeberg	6/17/2020 16:29	6/17/2020 16:26	UNK	T	UNKN	N46CL		




Schneeberg	6/17/2020 16:30	6/17/2020 16:26	21R	D	SR22	N107TQ		
Schneeberg	6/17/2020 20:17	6/17/2020 20:15	UNK	D	UNKN	N46CL		
Terry	6/17/2020 20:39	6/17/2020 20:37	21R	T	UNKN	N6919J	NMS03	68.2
Anon - 1	6/17/2020 21:36	6/17/2020 21:36	21L	D	BE40	N826JM		
Schneeberg	6/17/2020 21:48	6/17/2020 21:40	21R	T	UNKN	N704RB		
Anon - 1	6/17/2020 23:40	6/17/2020 23:37	21R	D	UNKN	N314AE		
Bailey	6/18/2020 0:34	6/18/2020 0:35	03R	A	PC12	PHJ44		
Anon - 1	6/18/2020 7:59	6/18/2020 7:46	34	T	UNKN	N2AQ		
Philips	6/18/2020 22:39	6/18/2020 22:30	21L	D	UNKN	N103AV		
Philips	6/18/2020 23:14	6/18/2020 23:01	21L	D	UNKN	N401SM		
Williams	6/19/2020 23:10	6/19/2020 23:22	UNK	A	UNKN	N445CH		
Anon - 1	6/21/2020 0:11	6/21/2020 0:08	UNK	D	UNKN	N445CH		
Hunnicut	6/21/2020 0:38	6/21/2020 0:34	21L	D	C550	N819KR		
Anon - 1	6/21/2020 7:32	6/21/2020 7:26	21L	D	GLF6	N1040	NMS03	66.1
Friedman	6/21/2020 8:01	6/21/2020 8:01	21L	D	H25B	N800EM	NMS02	74.1
Stephens	6/22/2020 12:50	6/22/2020 12:32	21R	D	UNKN	N2111F		
Terry	6/22/2020 20:05	6/22/2020 19:45	21R	D	UNKN	UNKNOWN		
Terry	6/23/2020 10:16	6/23/2020 10:18	21L	D	CRJ2	VTE207	NMS03	72.5
Yates	6/23/2020 18:28	6/23/2020 18:30	21R	A	PA31	FNX1242		
Anon - 1	6/24/2020 0:53	6/24/2020 0:53	21L	A	C56X	N72SG		
Anon - 1	6/24/2020 0:55	6/24/2020 0:53	21L	A	C56X	N72SG		
Anon - 1	6/24/2020 1:51	6/24/2020 1:35	21L	D	C56X	N72SG	NMS03	76.7
Anon - 1	6/24/2020 1:51	6/24/2020 1:35	21L	D	C56X	N72SG	NMS03	76.7



Anon - 1	6/24/2020 1:51	6/24/2020 1:35	21L	D	C56X	N72SG	NMS03	76.7
Anon - 1	6/24/2020 5:42	6/24/2020 5:38	21L	D	PC12	CNS1923		
Anon - 1	6/24/2020 5:47	6/24/2020 5:40	21L	D	PC12	SKQ31	NMS03	70.5
Friedman	6/24/2020 6:44	6/24/2020 6:41	21L	D	GALX	FWK882	NMS02	78.1
Anon - 1	6/25/2020 0:32	6/25/2020 0:38	16	A	C182	N78092		
Sheffield	6/25/2020 1:03	6/25/2020 1:00	03R	D	AC50	CTL67	NMS01	84.6
Philips	6/26/2020 10:33	6/26/2020 10:22	21L	D	C68A	EJA537	NMS03	80.6
Masone	6/27/2020 8:41	6/27/2020 8:12	21R	T	UNKN	N84400		
Yates	6/27/2020 21:20	6/27/2020 21:20	21L	A	UNKN	N508KD		
Friedman	6/28/2020 6:26	6/28/2020 6:35	21L	D	C68A	EJA505	NMS02	69
Anon - 1	6/28/2020 6:36	6/28/2020 6:35	21L	D	C68A	EJA505	NMS03	73.3
Friedman	6/28/2020 10:12	6/28/2020 10:11	21L	D	CL30	N7JG	NMS02	70.4
Friedman	6/28/2020 10:14	6/28/2020 10:13	21L	D	C56X	JTL560	NMS02	74
Anon - 1	6/29/2020 3:15	6/29/2020 3:14	21L	A	C750	FTH100		
Anon - 1	6/30/2020 2:04	6/30/2020 2:03	03R	D	C560	N154JK		
Anon - 1	6/30/2020 23:25	6/30/2020 23:24	21L	A	C560	N508KD		

# Disturbance Location Pin Map – June 2020



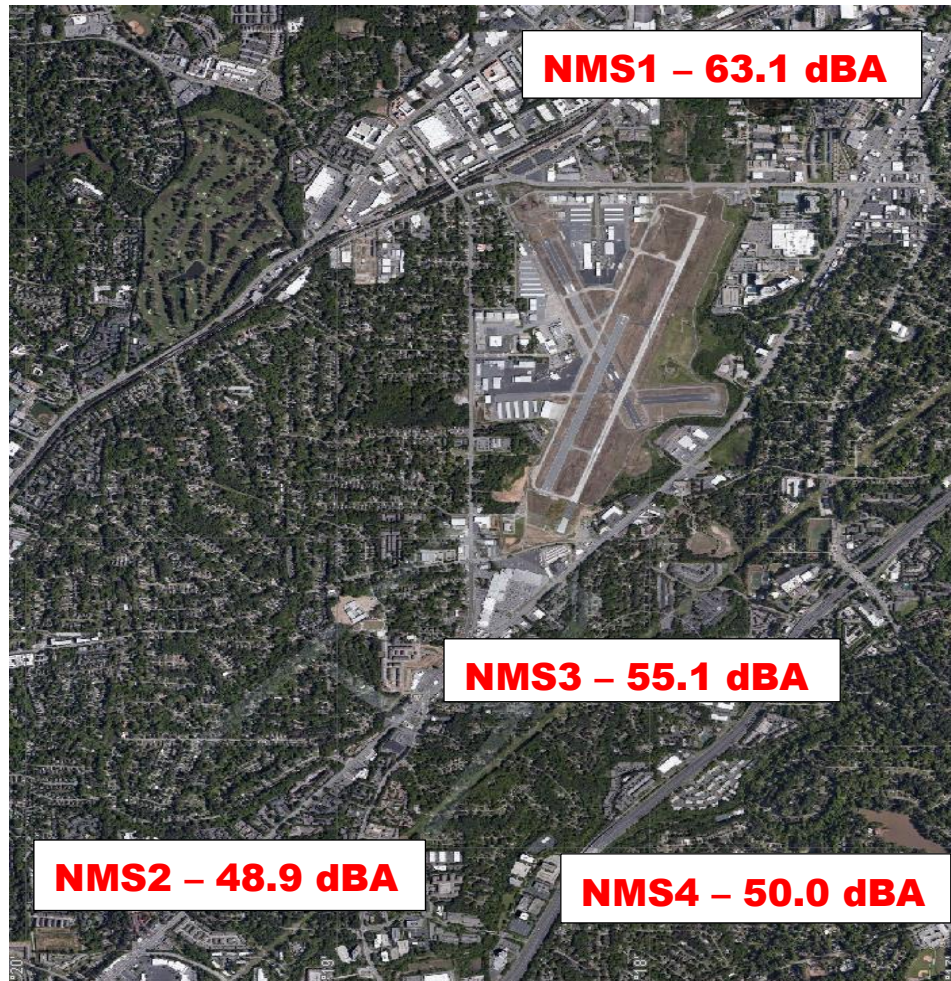
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

## Complainants with Complaints Total

(1 Complainant(s) outside of DeKalb County)

# Monthly Noise Levels at Monitors

June 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<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 **355 (100%)** of the **355** operations during the voluntary curfew period (11PM-6AM) during the month of **June 2020**. Of the **355** identified operations, **202 (57%)** 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, **67 one-time** operations were conducted during this period.
- Out of the *identified* operations, **288 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:

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

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

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

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

**87** complaints were received during **June 2020**.

**42 (48%)** 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 – June 2020 N#'s (Multi-Use):

**25 Aircraft with 2 Operations** (N349D, N211F, PEG78, **N423AE**, N859PL, N131EA, N120GE, FNX1234, RAX777, N66PG, N81P **N265CM**, **N887AE**, N662A, N89811, N211HK, **OLV750**, N72SG, N405EH, N116RW, SIS66, N776CJ, N120HF, N79849, **N525LX**)

**9 Aircraft with 3 Operations** (**EMD28**, N91853, N161GT, **N314AE**, **N895CR**, **N377P**, OHJ44, N393ES, N674A)

**4 Aircraft with 4 Operations** (CTE491, N103AV, **N395AE**, **CTE816**)

**1 Aircraft with 5 Operations** (**N508KD**)

**2 Aircraft with 6 Operations** (**CTE615**, **CTE491**)

**1 Aircraft with 7 Operations** (N140SB)

**2 Aircraft with 8 Operations** (**N445CH**, N154JK)

**1 Aircraft with 9 Operations** (**SKQ43**)

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

**2 Aircraft with 14 Operations** (**N208LS**, N103AV)

**1 Aircraft with 16 Operations** (**SKQ31**)

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

**1 Aircraft with 50 Operations** (**N414CY**)

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

**27 Aircraft with 2 Operations** (FTD509, **N694PD, N179SF, EMD28**, N13MS, N211RN, N558MT, **N262TX**, N683GA, **N296AE, N189PP**, N300GV, N500FZ, **N309CJ, N539RM**, N120HF, N5QV, N84400, N181CC, **N355AE, N684AE, N887AE**, N704RB, **CTE615**, N428JD, N349SB, VET430)

**5 Aircraft with 3 Operations** (**N445CH**, N322CA, N7664F, N154JK, N61942)

**4 Aircraft with 4 Operations** (CTE491, N103AV, **N649AE, CTE816**)

**2 Aircraft with 5 Operations** (PHJ56, **N525JW**)

**1 Aircraft with 6 Operations** (**SKQ44**)

**1 Aircraft with 8 Operations** (**SKQ43**)

**1 Aircraft with 10 Operations** (**N525LX**)

**1 Aircraft with 15 Operations** (**N414CY**)

**1 Aircraft with 41 Operations** (**CTL67**)

**1 Aircraft with 45 Operations** (**N208LS**)

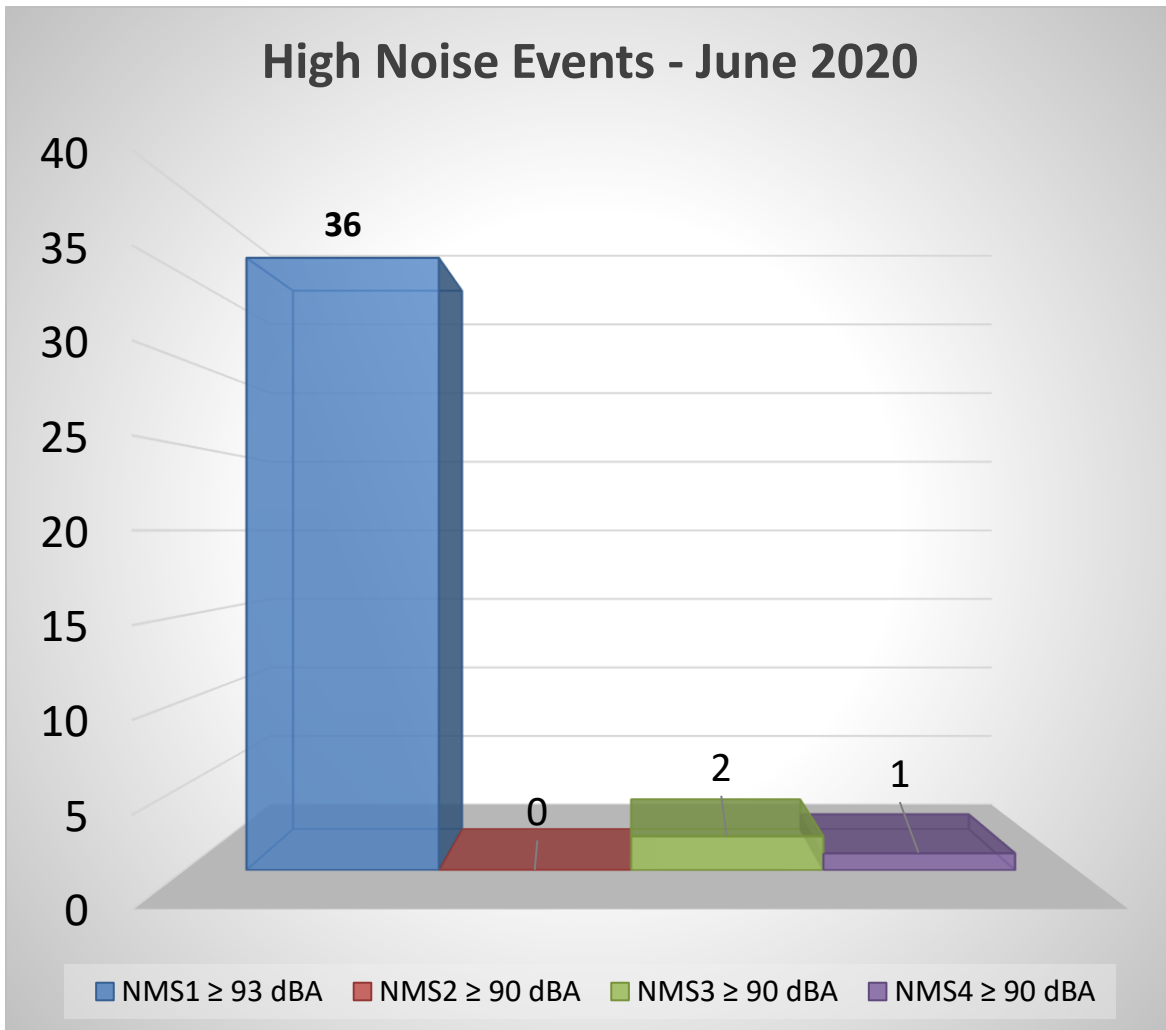
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A total of **153** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **June** who were not identified as Med-Evac and/or other emergency flights.

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



## June 2020

37 Aircraft with 1 High Noise Event (PVG981, N56LN, N500XP, DCM4212, N819AP, GJE76, CMF1200, JTL480, N565SK, JTL58, N65RA, JTL73, DCM4068, N884CC, N10XN, SIS66, N116RW, N500N, N125JF, N5476Y, N224FD, N569HA, N329GS, N600MV, N330WR, N79SE, N417RM, N837P, N440QS, N896T, N44HB, PHJ56, N469ES, RJE43, N499PA, N500DG, N500GF)

1 Aircraft with 2 High Noise Events (N94AD)

**April 2020**

**9 Aircraft with 1 High Noise Event** (JTL58, N685MF, N683GA, N730CJ, N500TH, N325CA, TIV56, N524LR, N591GT)

**1 Aircraft with 3 High Noise Events** (N896T)

**1 Aircraft with 6 High Noise Events** (N50HN)

**Comments/Concerns?**

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