

Monthly Noise & Operations Report April 2020

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

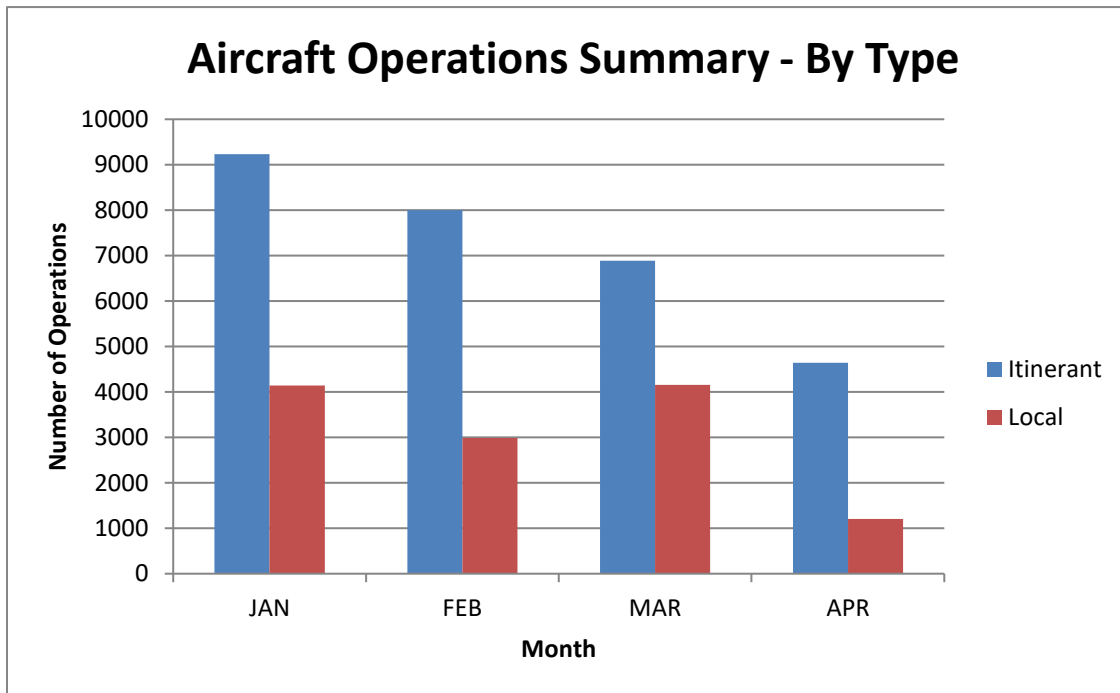
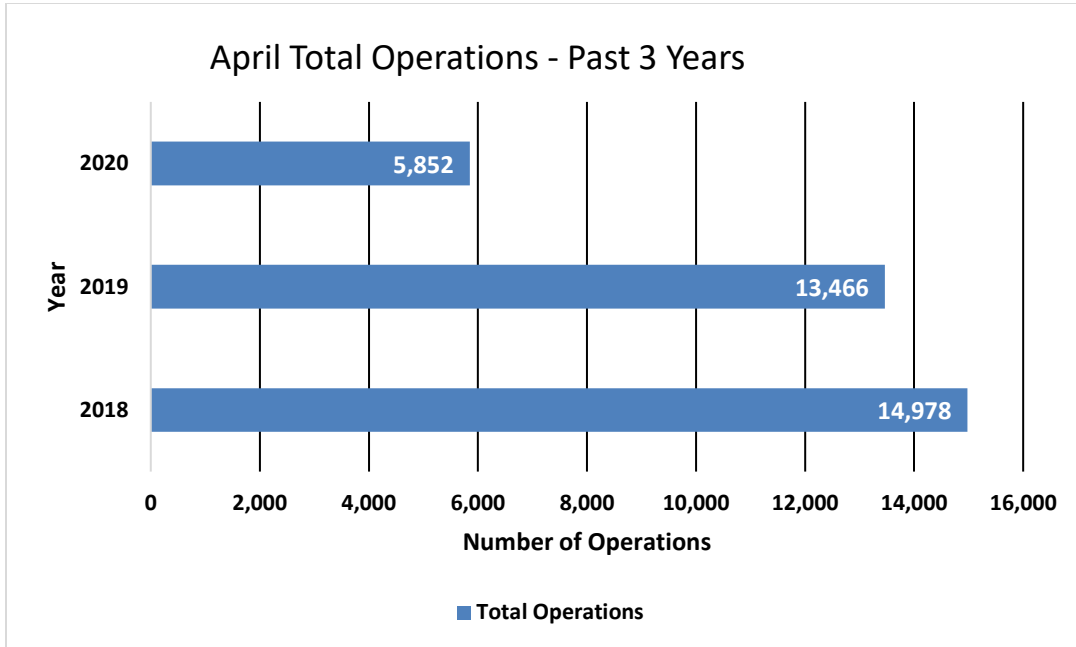
April 2020 Aircraft Operations:

	This Month	This Month, Last Year (April 2019)	% Change from April 2019	5-Year Average for Month
Total Operations	5,852	13,466	-56.54%	12,538
Itinerant	4,644	10,119	-54.11%	9,447
Local	1,208	3,347	-63.91%	3,091
Voluntary Curfew Ops	198	356	-44.38%	307
Prior Authorization	26	(0) 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.

April 2020 Aircraft Operations Summary

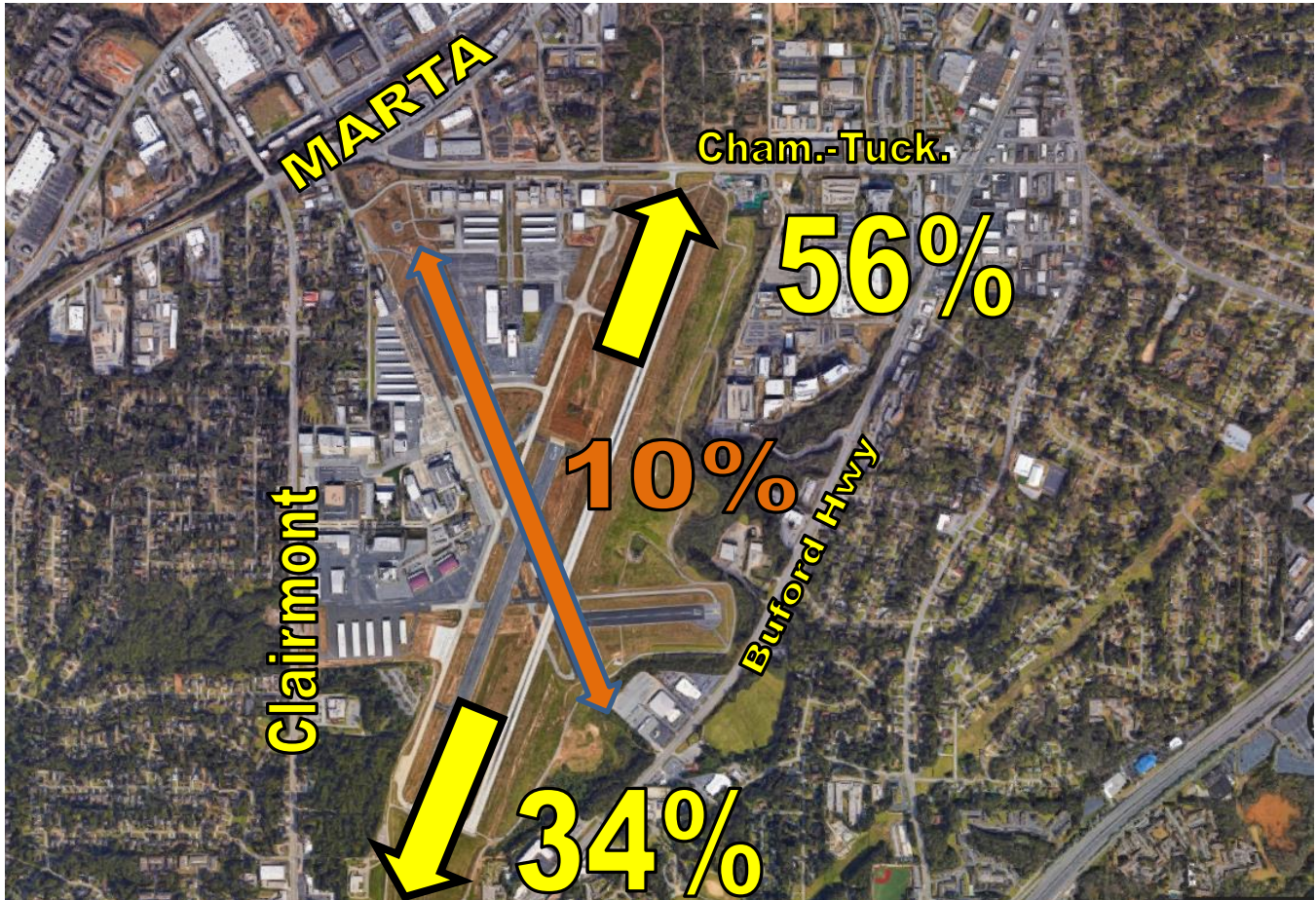


2019 Total Operations	2019 Total Operations as of Apr 2019	Total 2020 Ops as of Apr 2020
161,367	48,078	41,251 (-14.20%)

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				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

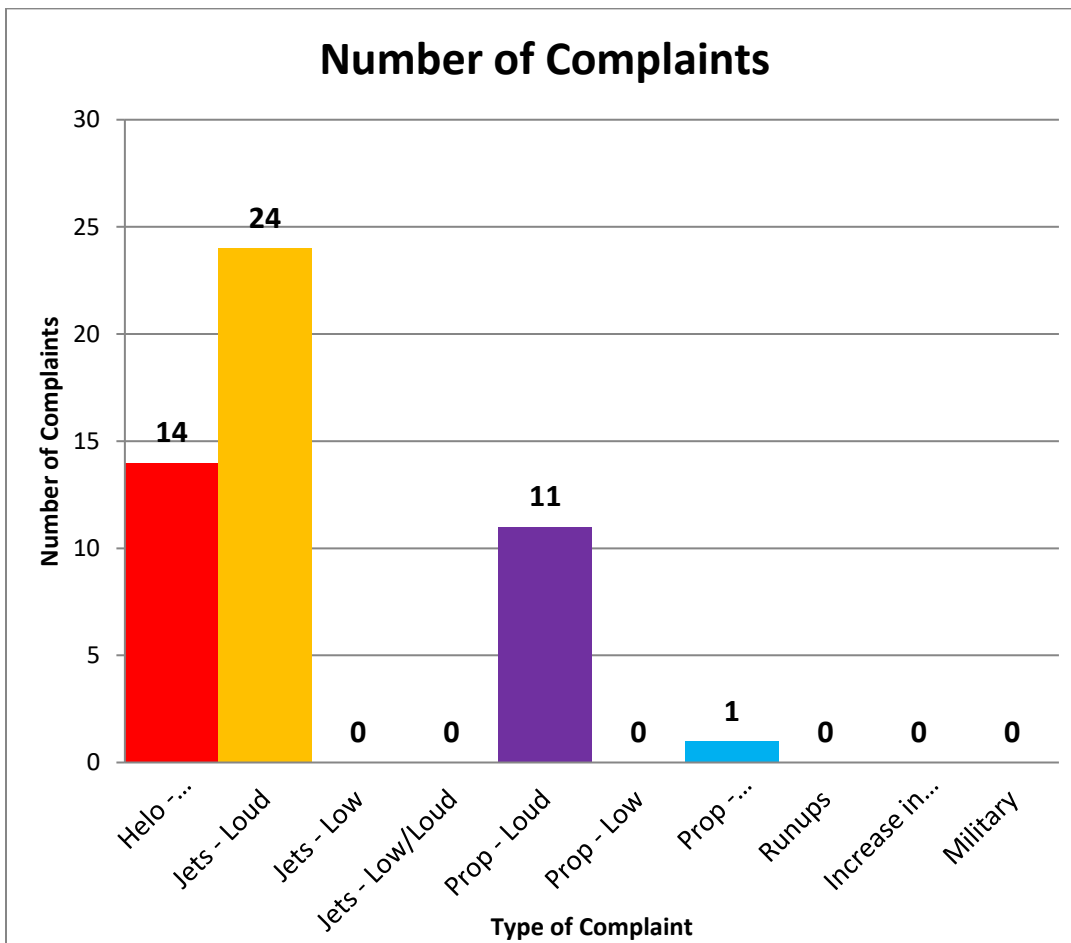
Runway Mode of Operations – April 2020

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.

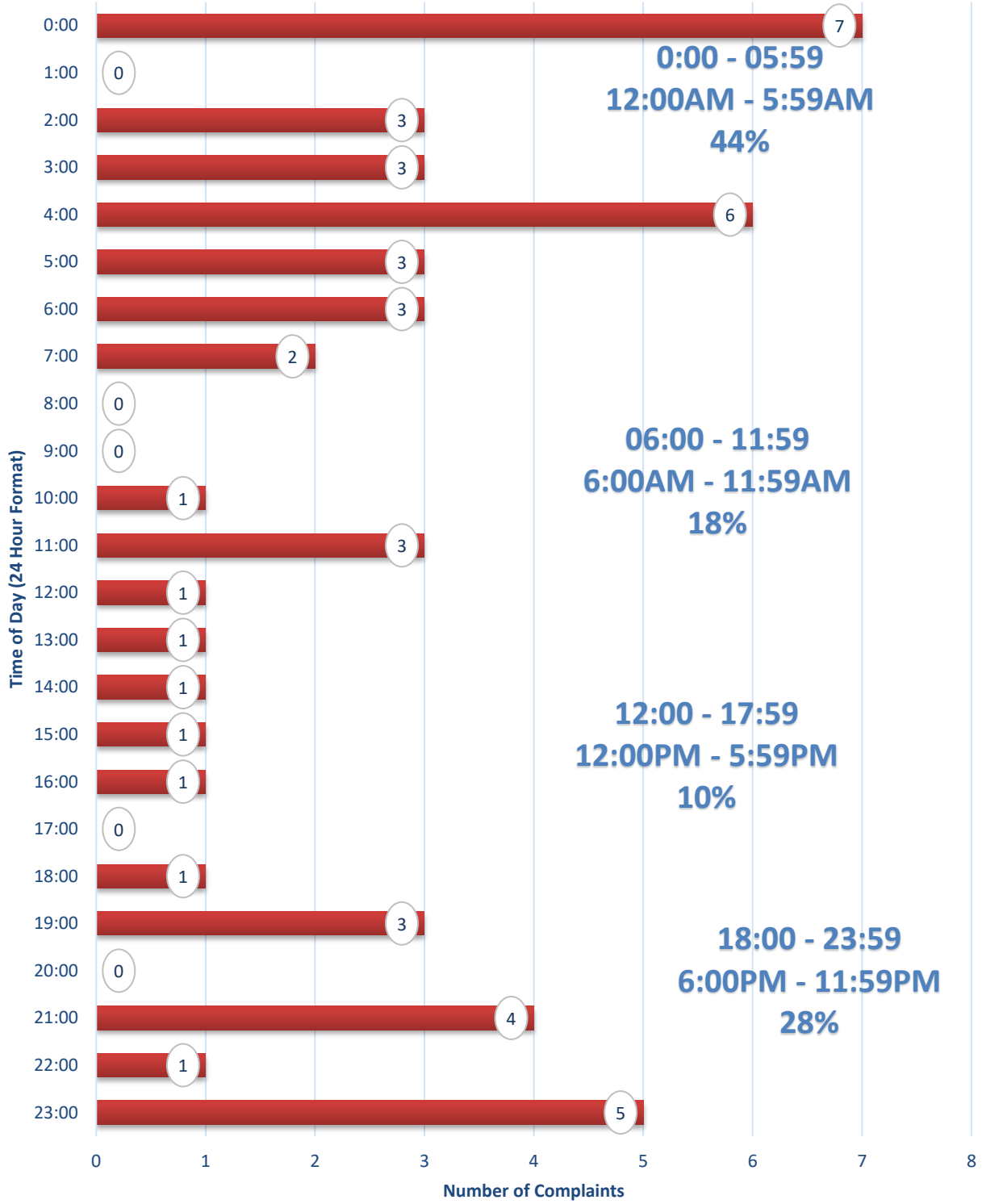


Noise Disturbance Summary

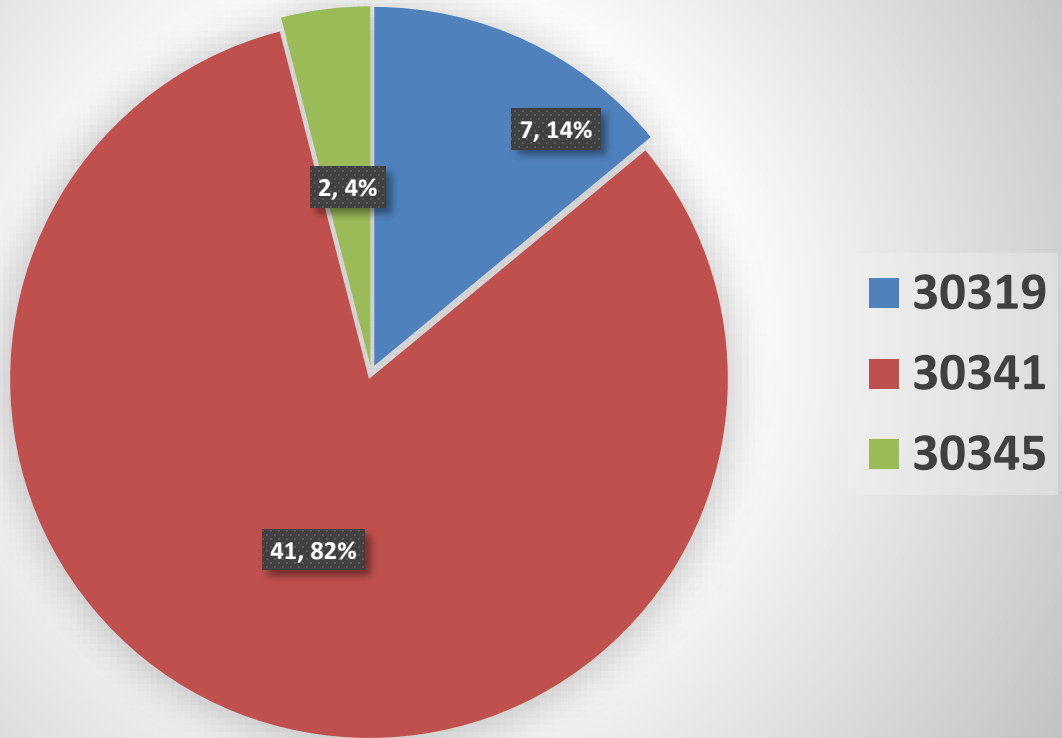
Total complaints for April 2020	Monthly Complaint Average 2020	April 2020 Complaints per Household <i>(minus top two/Households)</i>	April 2020 Complaints per Household <i>All Inclusive</i>
50	118	1.3	5.5



Number of Complaints by Hour



Complaints by Zip Code

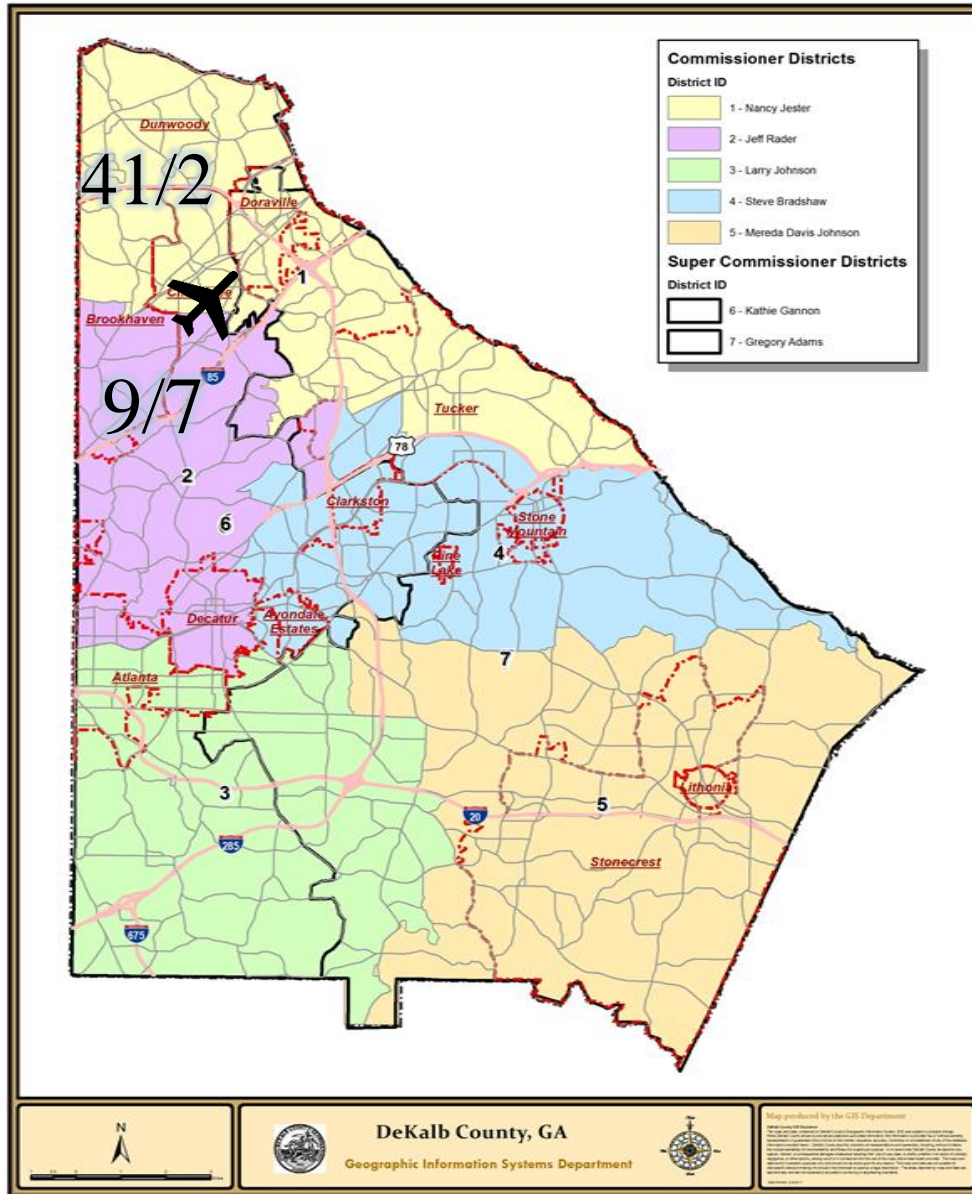


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	14%
30341	Chamblee - North	82%
30345	Chamblee – South	4%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	3
Stamm	1824 Falling Sky Ct NE	Brookhaven	30319	1
Anon - 1	Dresden Dr	Atlanta	30341	38
Archer	4063 Chippewa Place	Atlanta	30319	1
Barbieri	2659 S Bamby Ln NE	Brookhaven	30319	1
Yates	1889 9th Street	Chamblee	30341	3
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Runestad	2430 Field Way	Brookhaven	30319	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	1

Complaints per Commission District



Total Number of Complaints




Total Number of Complainants

50/
9

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

Correlation Chart of Noise Complaints to Operations

Chart Legend:

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

The airport correlated **46 (92%)** out of **50** complaints:

- **44 or 88%** of the noise complaints were found to be **Direct** correlations
- **2 or 4 %** were **Indirect** correlations to operations
- **4 or 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

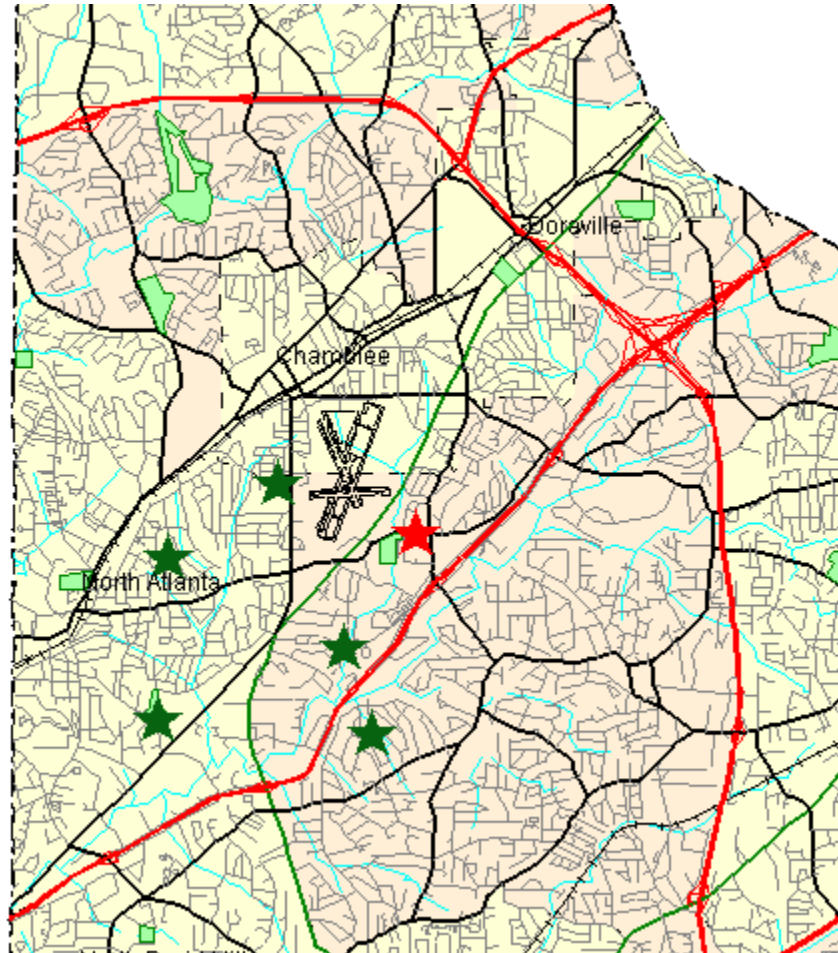
Please contact: *Korey Barnes, Airport Noise and Environmental Analyst*, for more information regarding the PDK Good Neighbor Program at (770) 936-5440 or kbarnes@dekalbcountyga.gov.




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

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon-1	4/1/2020 3:50	4/1/2020 3:45	03R	D	C525	N525LX		
Anon-1	4/1/2020 4:08	4/1/2020 4:04	03R	D	C208	N208LS		
Anon-1	4/1/2020 6:07	4/1/2020 6:05	16	D	UNKN	N2AQ		
Anon-1	4/1/2020 6:46	4/1/2020 6:42	UNK	D	UNKN	N76PC		
Anon-1	4/1/2020 19:49	4/1/2020 19:51	03R	A	GLF4	N1624K	NMS03	66.9
Anon-1	4/2/2020 0:12	4/2/2020 0:15	03R	A	LJ60	N156DH	NMS03	69
Anon-1	4/2/2020 0:29	4/2/2020 0:28	03R	D	AC50	CTL67		
Anon-1	4/2/2020 2:50	4/2/2020 2:46	21L	D	C208	N208LS	NMS03	76.3
Fox	4/2/2020 6:40	4/2/2020 6:14	16	D	UNKN	N684AE		
Anon-1	4/2/2020 11:42	4/2/2020 11:44	34	A	UNKN	N41HX		
Schneeberg	4/2/2020 18:05	4/2/2020 18:02	UNK	D	UNKN	N46CL		
Runestad	4/2/2020 19:22	4/2/2020 19:26	03R	A	CL35	LXJ592		
Anon-1	4/2/2020 21:38	4/2/2020 21:42	03R	A	UNKN	N68GA		
Anon-1	4/2/2020 22:40	4/2/2020 22:36	21L	D	BE40	N308KP	NMS03	83.3
Anon-1	4/3/2020 7:26	4/3/2020 7:19	21L	D	G280	N280PC	NMS03	79.3
Anon-1	4/3/2020 7:32	4/3/2020 7:27	03R	D	E545	LXJ427	NMS03	74.6
Anon-1	4/4/2020 0:20	4/4/2020 0:19	03R	D	AC50	CTL67		
Anon-1	4/5/2020 21:07	4/5/2020 21:14	03R	A	UNKN	N896T	NMS03	85.8
Anon-1	4/7/2020 23:37							
Anon-1	4/8/2020 0:08	4/8/2020 0:11	34	A	UNKN	N165AE		
Anon-1	4/8/2020 4:26	4/8/2020 4:25	21L	D	C525	N525LX	NMS03	77.3
Hunnicut	4/9/2020 2:24	4/9/2020 2:10	21L	D	BE40	N782TP	NMS04	78.1
Anon-1	4/9/2020 3:11	4/9/2020 3:11	21L	D	C208	N208LS	NMS03	77.3
Stamm	4/9/2020 21:11							
Anon-1	4/10/2020 4:56	4/10/2020 5:06	27L	A	MD11	UNKNOWN		
Anon-1	4/11/2020 5:05	4/11/2020 4:44	03R	D	G280	N270PC		
Anon-1	4/11/2020 5:45							
Anon-1	4/12/2020 0:35	4/12/2020 0:21	UNK	O	UNKN	N445CH		
Anon-1	4/13/2020 11:45	4/13/2020 11:53	21L	A	FA50	N50HN	NMS03	70.6

Anon-1	4/14/2020 4:27	4/14/2020 4:16	21L	D	C560	N900PS	NMS03	83.5
Anon-1	4/14/2020 23:47	4/14/2020 23:56	34	A	UNKN	N7109C		
Anon-1	4/15/2020 4:22	4/15/2020 4:29	26R	A	A306	UNKNOWN		
Schneeberg	4/16/2020 12:39	4/16/2020 12:21	UNK	O	UNKN	N336AE		
Anon-1	4/16/2020 14:58	4/16/2020 14:57	UNK	D	UNKN	UNKNOWN		
Schneeberg	4/17/2020 11:02	4/17/2020 10:59	16	D	UNKN	N5QV		
Yates	4/17/2020 15:20	4/17/2020 15:21	21L	A	C560	N265CM		
Archer	4/19/2020 13:08							
Anon-1	4/19/2020 23:13	4/19/2020 22:49	21L	D	GLF4	N685MF		
Yates	4/20/2020 10:20	4/20/2020 10:30	34	A	S22T	N99HS		
Anon-1	4/21/2020 2:54	4/21/2020 2:51	16	D	C208	N208LS		
Anon-1	4/23/2020 0:59	4/23/2020 0:57	03R	D	UNKN	UNKNOWN		
Anon-1	4/23/2020 23:36	4/23/2020 23:38	21L	A	GLF4	N598GS		
Yates	4/24/2020 19:56	4/24/2020 19:53	UNK	D	UNKN	UNKNOWN		
Barbieri	4/25/2020 16:40							
Anon-1	4/26/2020 5:46	4/26/2020 5:24	21L	D	LJ35	N131AJ	NMS03	81.7
Anon-1	4/27/2020 0:20	4/27/2020 0:21	03R	A	GLF4	TFF909	NMS03	67.6
Anon-1	4/28/2020 3:03	4/28/2020 3:08	16	D	C208	N208LS		
Anon-1	4/29/2020 21:07	4/29/2020 21:11	21L	A	C560	N154JK	NMS03	69.3
Anon-1	4/30/2020 4:05	4/30/2020 4:04	21L	D	C560	N154JK	NMS03	84
Anon-1	4/30/2020 23:19	4/30/2020 23:24	UNK	A	UNKN	N4488H		

Disturbance Location Pin Map – April 2020



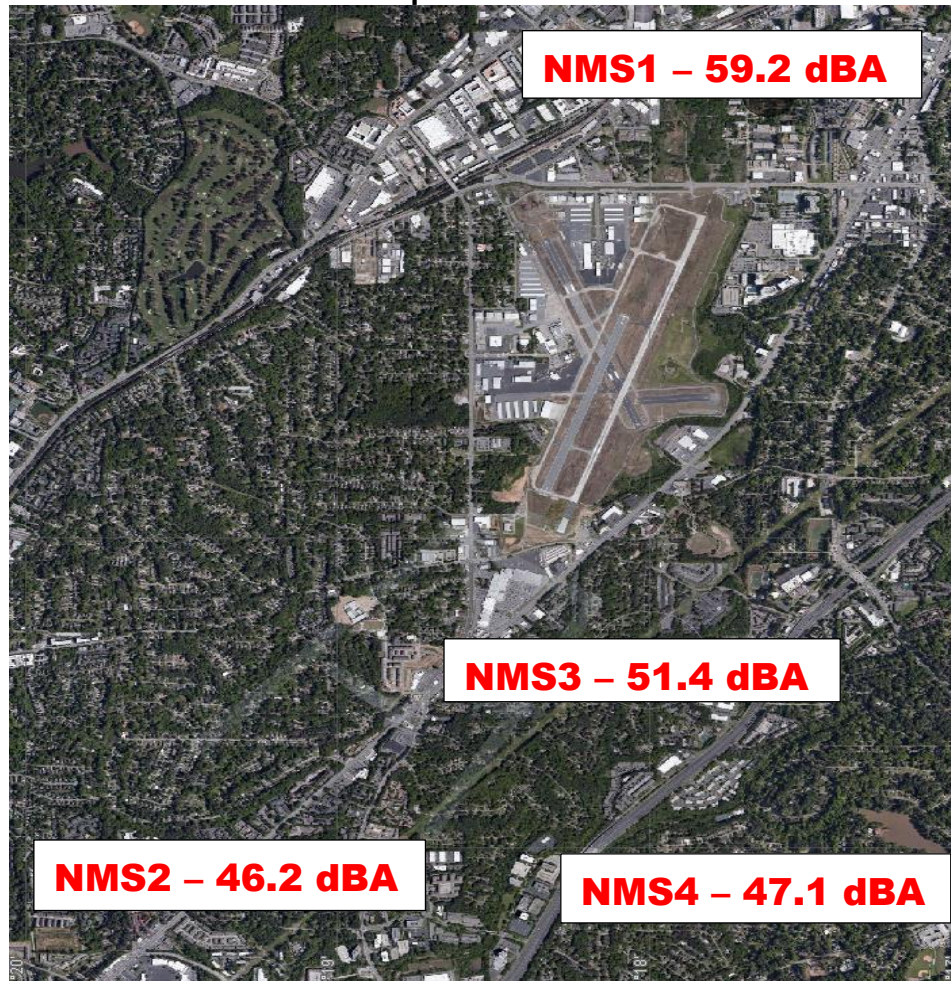
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(2 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

April 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 **197 (99.49%)** of the **198** operations during the voluntary curfew period (11PM-6AM) during the month of **April 2020**. Of the **197** identified operations, **141 (71.5%)** 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, **34 one-time** operations were conducted during this period.
- Out of the *identified* operations, **163 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:

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

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

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

Complaints received from operations conducted during the voluntary curfew period:

50 complaints were received during **April 2020**.

29 (58%) 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 – April 2020 N#'s (Multi-Use):

15 Aircraft with 2 Operations (**N895CR, N525LX, N131AJ**, N154JK, **N553AE**, N156DH, N9868VM N179SF, N500TH, **N309CJ, N539RM**, N336AE, **N891AA, OLV750, CTE816, N900PS**)

3 Aircraft with 3 Operations (**CTE491, N377P**, N9686M)

3 Aircraft with 4 Operations (**N355AE**, N165AE, **CTE585**)

2 Aircraft with 6 Operations (N103AV)

1 Aircraft with 11 Operations (**N445CH**)

1 Aircraft with 37 Operations (**CTL67**)

1 Aircraft with 55 Operations (**N208LS**)

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

23 Aircraft with 2 Operations (N63AE, EJA501, N418DL, N156DH, N525LX, N245PE, N179SF, EJA341, N423AE, N911AL, N4TL, CTE816, N553AE, N900PS, N683GA, N94AD, N401SM, N949SA, N349D, EJA649, N349SB, N30LP, N304JT)

2 Aircraft with 3 Operations (N423AE, N895CR)

3 Aircraft with 4 Operations (N826AC, N16PC, N154JK)

2 Aircraft with 6 Operations (CTE585)

1 Aircraft with 16 Operations (SKQ43)

1 Aircraft with 39 Operations (CTL67)

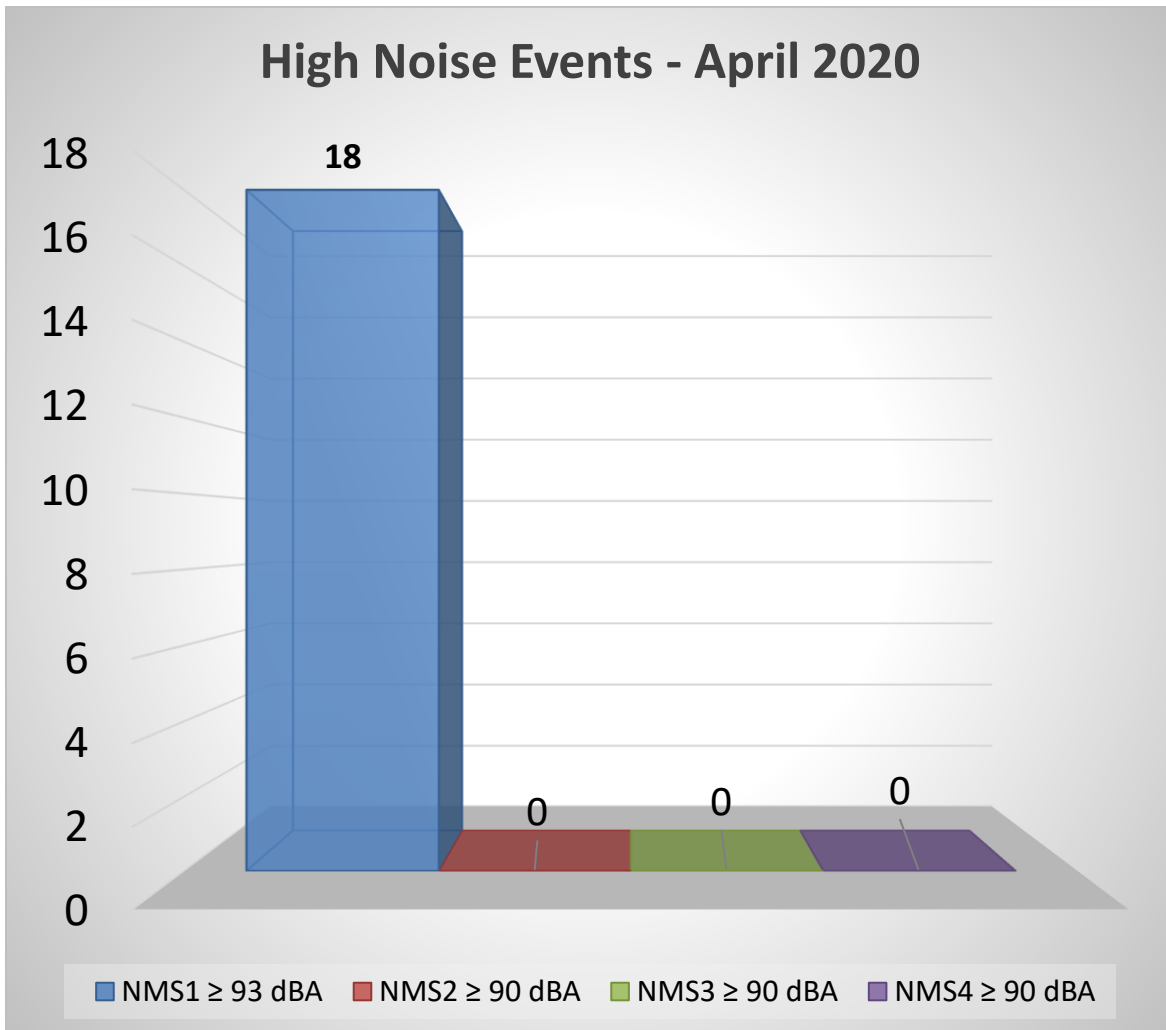
1 Aircraft with 59 Operations (N208LS)

4 Aircraft with 8 Operations (N103AV, N445CH, EMD28, SKQ44)

A total of **55** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **April** 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 **18** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



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)

March 2020

35 Aircraft with 1 High Noise Event (TFF980, N725WF, N682GA, EJM790, N823MC, JTL480, EJA532, N500FZ, N103AV, N68GA, N114HC, N800TH, N116RW, N977LC, N1D, DCM4068, N200WL, N501RP, N236D, N525F, N27GA, N683GA, N30WR, N711P, N323P, N77ME, N330WR, N8176R, N359BC, N891SH, N36EE, N990MM, N400WF, N428JD, N499PA)

1 Aircraft with 2 High Noise Events (N50HN)

1 Unknown Aircraft

Comments/Concerns?

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



Monthly Noise & Operations Report August 2020

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Environmental & Noise Analyst

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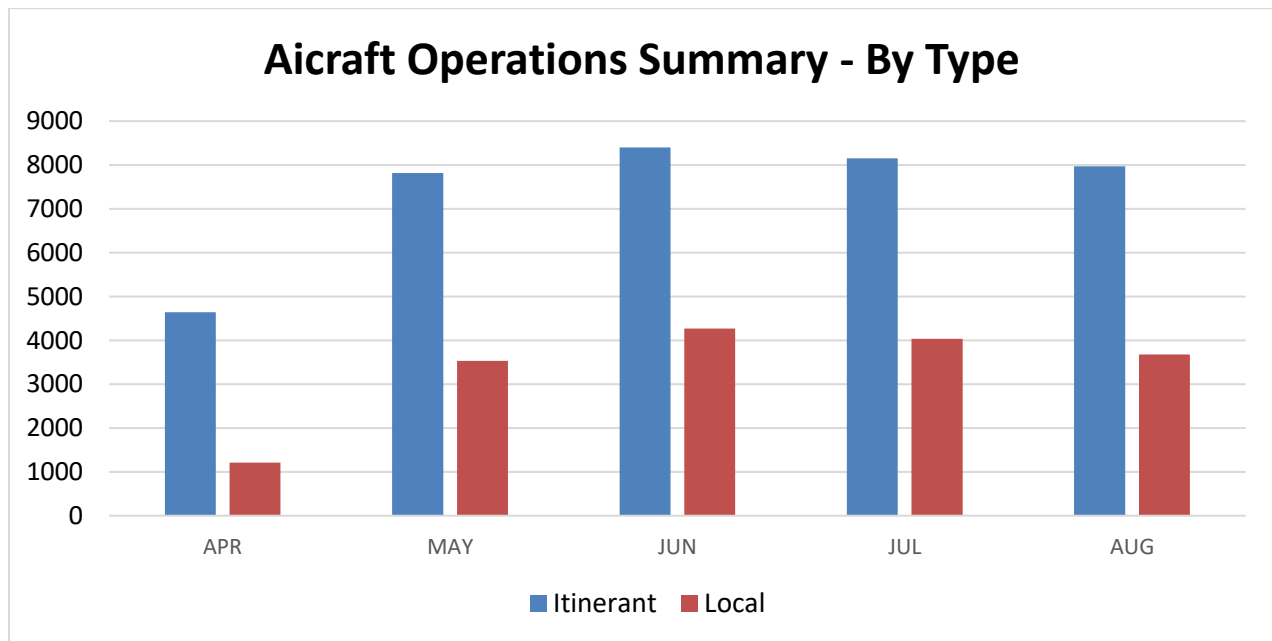
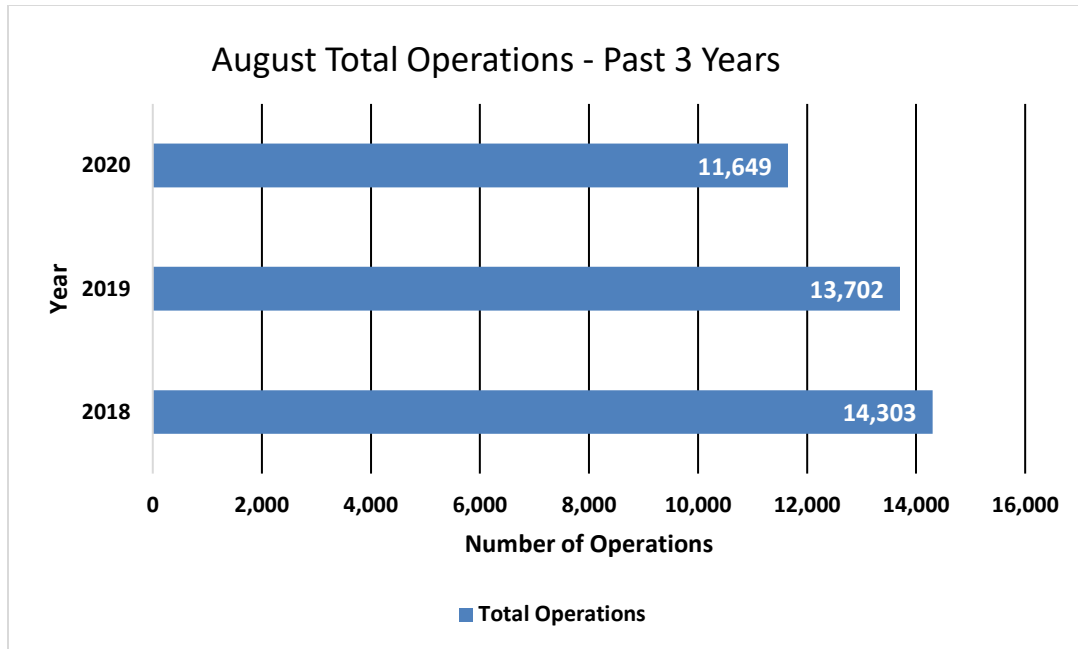
August 2020 Aircraft Operations:

	This Month	This Month, Last Year (August 2019)	% Change from August 2019	5-Year Average for Month
Total Operations	11,649	13,702	-14.98%	13,574
Itinerant	7,971	10,642	-25.10%	9,671
Local	3,678	3,060	20.20%	3,903
Voluntary Curfew Ops	349	324	7.72%	335
Prior Authorization	90	(1) Noise disturbance calls associated with these flights. (3) Voluntary curfew ops were associated with these flights.		

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

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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.

August 2020 Aircraft Operations Summary

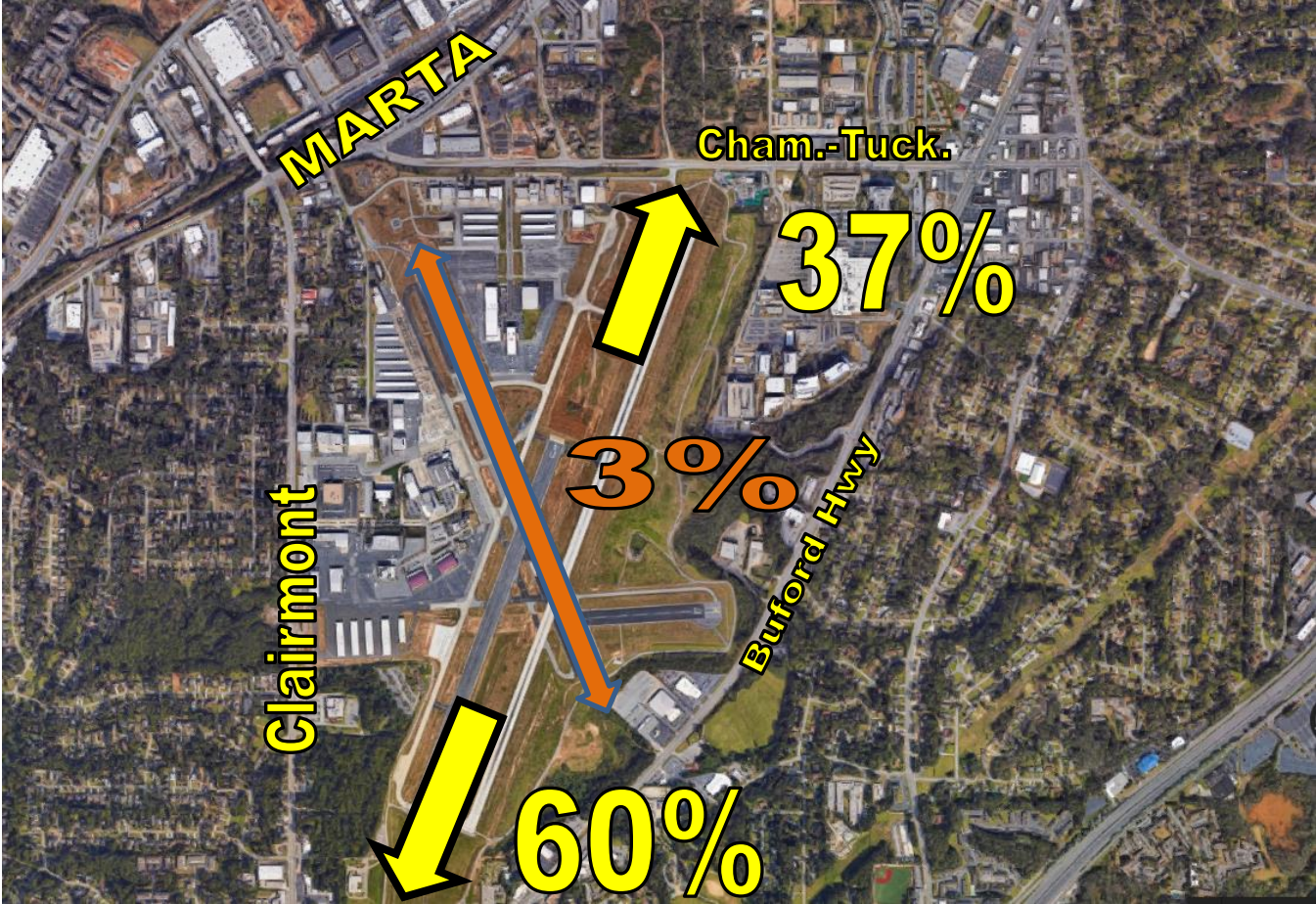


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MAR	6,886	4,153	11,039	275
APR	4,644	1,208	5,852	198
MAY	7,891	3,534	11,353	259
JUN	8,397	4,269	12,666	355
JUL	8,155	4,036	12,191	355
AUG	7,971	3,678	11,649	349
SEP				
OCT				
NOV				
DEC				

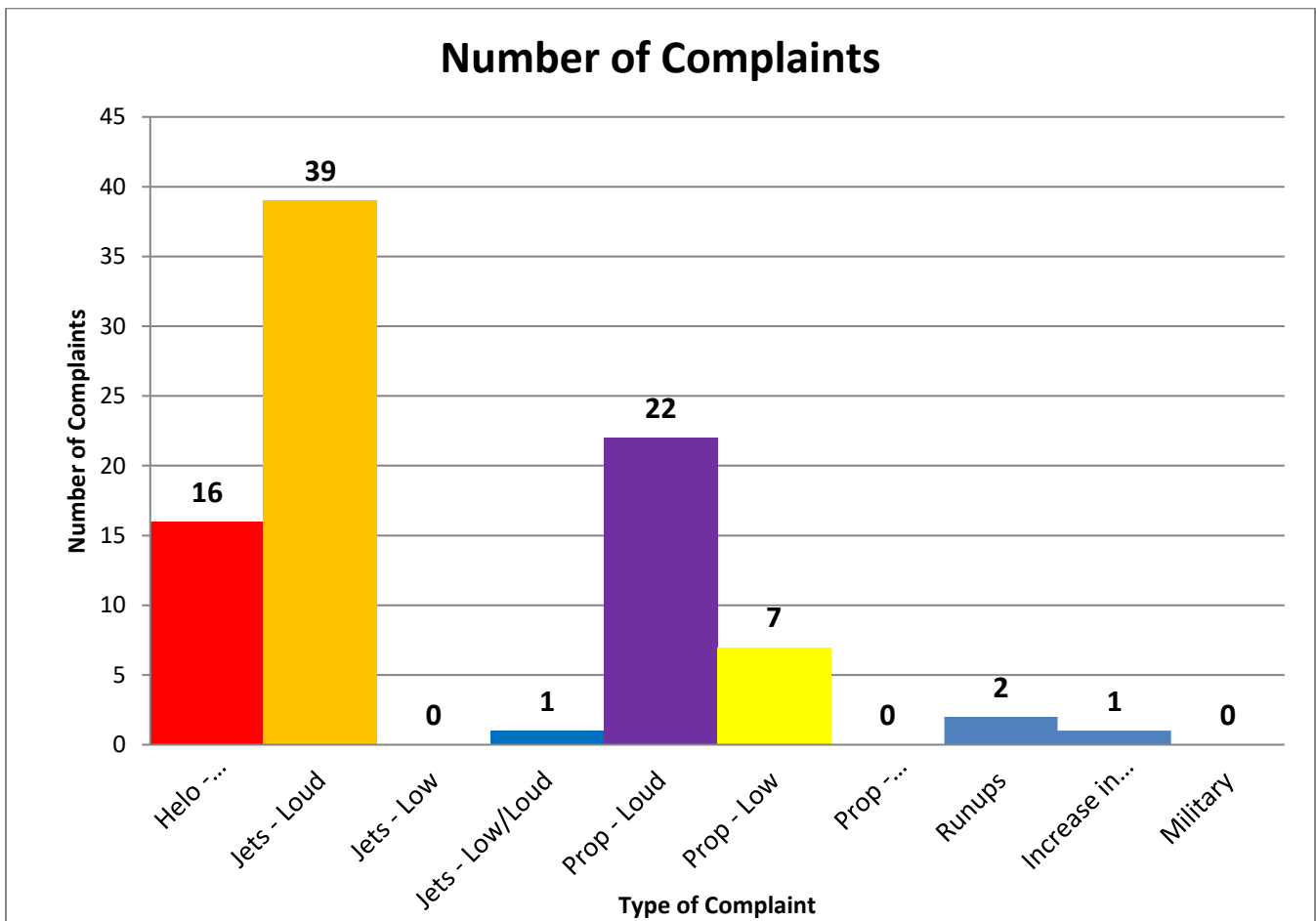
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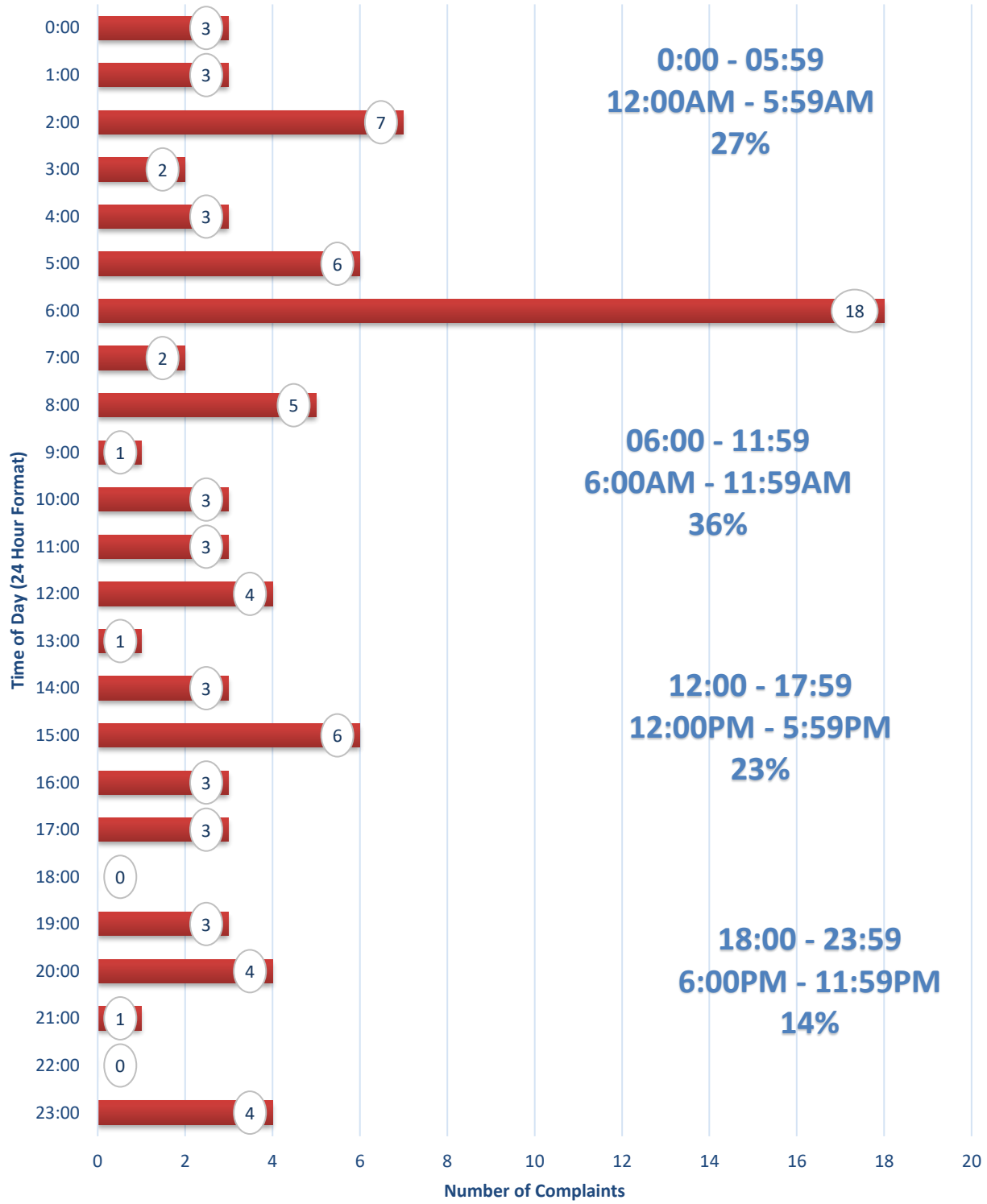


Noise Disturbance Summary

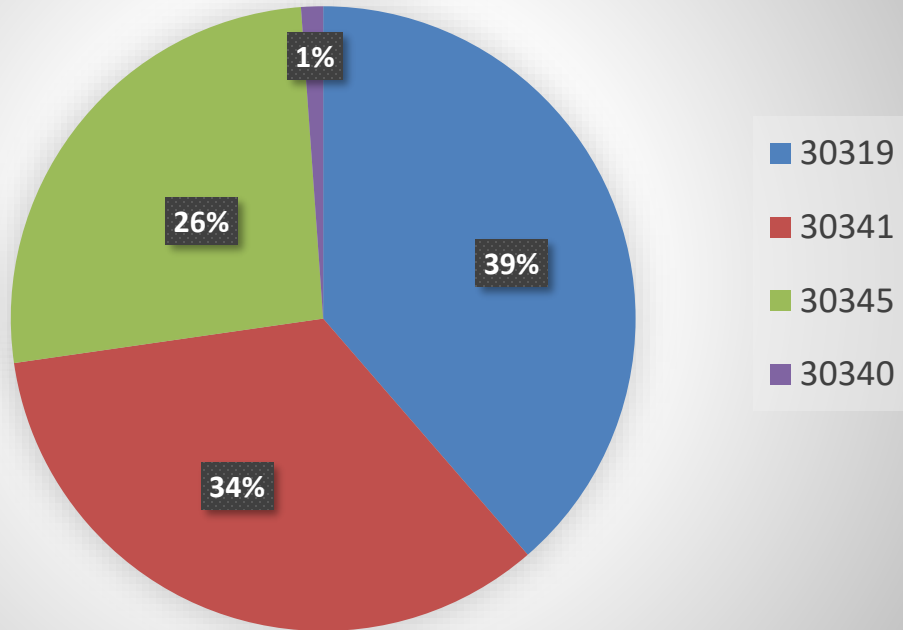
Total complaints for August 2020	Monthly Complaint Average 2020	August 2020 Complaints per Household <i>(minus top two/Households)</i>	August 2020 Complaints per Household <i>All Inclusive</i>
88	102	3.6	7.3



Number of Complaints by Hour



Complaints by Zip Code

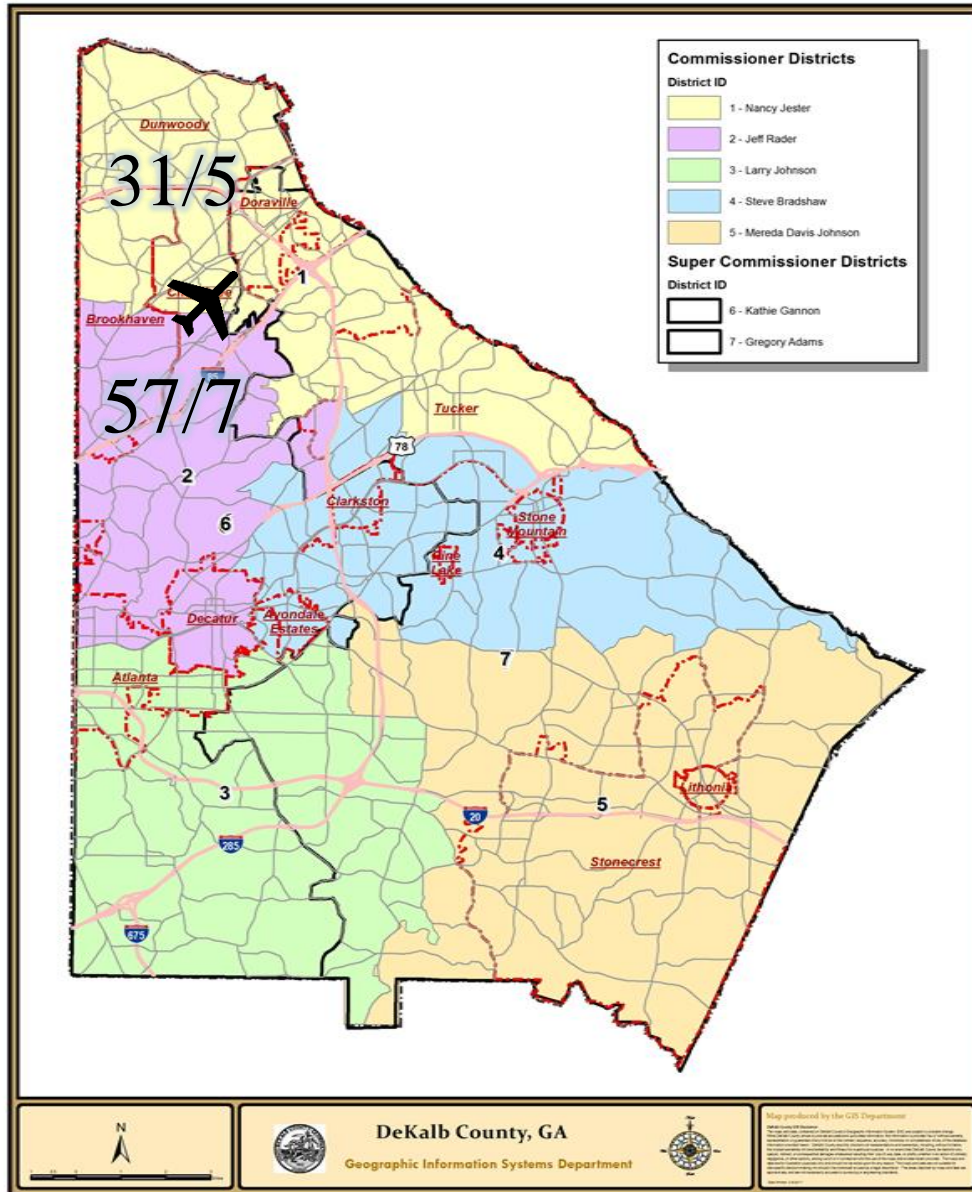


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	39%
30341	Chamblee - North	34%
30345	Chamblee – South	26%
30340	Doraville	1%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	29
Van Pelt	1752 Morris Landers Dr NE	Atlanta	30345	1
Anon -1	Dresden Dr	Atlanta	30341	23
Adams	2358 Logan Cir NE	Atlanta	30319	1
Yates	1889 9th Street	Chamblee	30341	3
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	2
Gardner	Ensign Drive	Chamblee	30341	1
Terry	2652 Cove Circle NE	Atlanta	30319	1
Miller	3416 Alison Dr	Doraville	30340	1
Joyner	2033 Drew Valley Road NE	Atlanta	30319	1
Fox	Woodacres Rd NE	Atlanta	30345	22
Yin	Kaylen Dr	Chamblee	30341	3

Complaints per Commission District



31/5

57/7

Total Number of Complaints

Total Number of Complainants




88 /

12

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

Correlation Chart of Noise Complaints to Operations

Chart Legend:

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

The airport correlated **85 (96.6%)** out of **88** complaints:

- **82 or 93.2%** of the noise complaints were found to be **Direct** correlations
- **3 or 3.4%** 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.

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

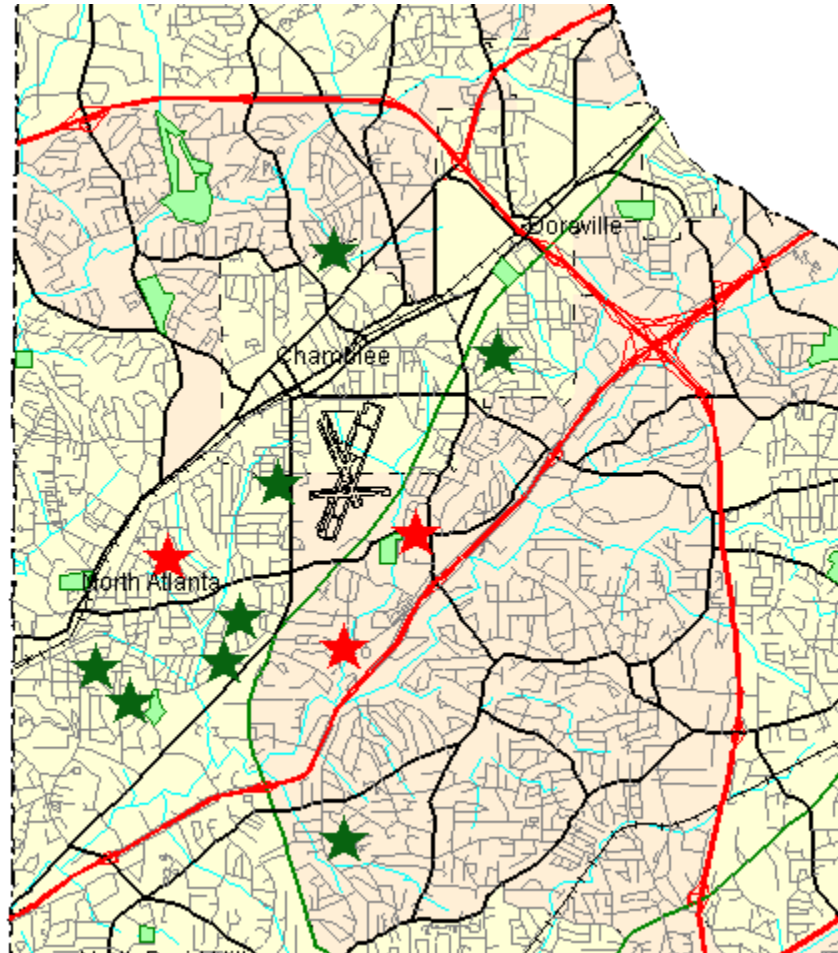
Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Schneeberg	8/1/2020 8:41	8/1/2020 8:28	21R	D	UNKN	N81771		
Schneeberg	8/1/2020 13:57	8/1/2020 13:55	UNK	D	UNKN	UNKNOWN		
Schneeberg	8/1/2020 15:31	8/1/2020 15:30	UNK	D	UNKN	N608HR		
Schneeberg	8/1/2020 16:01	8/1/2020 15:59	UNK	D	UNKN	N608HR		
Schneeberg	8/1/2020 16:01	8/1/2020 15:59	UNK	D	UNKN	N608HR		
Schneeberg	8/1/2020 20:15	8/1/2020 20:14	UNK	D	UNKN	N608HR		
Joyner	8/2/2020 8:26	8/2/2020 8:29	21R	D	UNKN	N103AV		
Schneeberg	8/2/2020 19:45	8/2/2020 19:40	21R	D	UNKN	VFR		
Fox	8/3/2020 6:10	8/3/2020 6:06	21R	D	S22T	N591GT	NMS03	78.7
Friedman	8/3/2020 7:27	8/3/2020 7:27	21L	D	FA7X	LVT988	NMS02	72.7
Schneeberg	8/3/2020 19:54	8/3/2020 19:56	03L	D	UNKN	N103AV		
Schneeberg	8/4/2020 10:56	8/4/2020 10:55	21R	D	UNKN	N103AV	NMS02	68.3
Schneeberg	8/4/2020 11:02	8/4/2020 11:00	21L	D	UNKN	N504A		
Schneeberg	8/4/2020 11:04	8/4/2020 11:00	21L	D	UNKN	N504A		
Schneeberg	8/4/2020 19:53	8/4/2020 19:29	21R	D	UNKN	N4454R		
Fox	8/5/2020 6:10	8/5/2020 6:05	16	D	UNKN	N2AQ		
Fox	8/5/2020 6:15	8/5/2020 6:05	16	D	UNKN	N2AQ		
Schneeberg	8/5/2020 8:12	8/5/2020 8:10	03R	A	TBM7	N700LT		
Gardner	8/5/2020 12:34	8/5/2020 12:40	03L	D	SR20	N908CB		
Schneeberg	8/5/2020 17:47	8/5/2020 17:45	UNK	D	UNKN	N46CL		
Anon - 1	8/6/2020 0:40	8/6/2020 0:47	03R	D	AC50	CTL67		




Anon - 1	8/6/2020 0:58	8/6/2020 0:47	03R	D	AC50	CTL67		
Anon - 1	8/8/2020 23:55	8/8/2020 23:55	21L	D	GLF4	N685MF	NMS03	77.1
Anon - 1	8/9/2020 0:07	8/9/2020 0:07	UNK	D	UNKN	N423AE		
Anon - 1	8/9/2020 1:19	8/9/2020 1:16	UNK	O	UNKN	N445CH		
Anon - 1	8/9/2020 1:40	8/9/2020 1:40	21L	D	LJ45	JRT51	NMS03	72.9
Anon - 1	8/9/2020 6:02	8/9/2020 6:09	26R	A	B753	UNKNOWN		
Van Pelt	8/9/2020 9:55	8/9/2020 9:52	21L	D	UNKN	N278EH	NMS04	70.1
Anon - 1	8/10/2020 5:50	8/10/2020 5:51	21L	D	BE40	JTL73	NMS03	76.9
Fox	8/10/2020 5:52	8/10/2020 5:51	21L	D	BE40	JTL73	NMS03	76.9
Anon - 1	8/10/2020 6:14	8/10/2020 6:13	21L	D	CL35	LXJ583	NMS03	77.1
Fox	8/10/2020 6:14	8/10/2020 6:13	21L	D	CL35	LXJ583	NMS03	77.1
Friedman	8/11/2020 6:27	8/11/2020 6:26	UNK	D	C56X	N690XL	NMS02	74.9
Anon - 1	8/12/2020 2:42	8/12/2020 2:42	21L	D	AC50	CTL67	NMS03	72.4
Fox	8/12/2020 2:42	8/12/2020 2:42	21L	D	AC50	CTL67	NMS03	72.4
Anon - 1	8/12/2020 2:50	8/12/2020 2:50	21L	A	GLEX	MPECL		
Fox	8/12/2020 5:49	8/12/2020 5:49	21L	D	BE9L	N329GS	NMS03	77.5
Fox	8/12/2020 5:50	8/12/2020 5:51	21L	D	C680	EJA361	NMS03	74.5
Yin	8/12/2020 11:41							
Fox	8/13/2020 5:52	8/13/2020 5:39	21L	D	C68A	EJA548	NMS03	70.2
Schneeberg	8/13/2020 12:29	8/13/2020 12:27	UNK	D	UNKN	N2AQ		
Schneeberg	8/13/2020 15:02	8/13/2020 14:55	03L	A	P28A	N81771		
Schneeberg	8/13/2020 15:04	8/13/2020 15:17	03L	A	UNKN	N256AT		
Terry	8/15/2020 10:58	8/15/2020 10:47	21L	D	BE58	N1566W	NMS03	76.1

Schneeberg	8/15/2020 15:51	8/15/2020 15:53	21L	D	DA42	N430PS		
Schneeberg	8/15/2020 17:54	8/15/2020 17:34	21R	D	UNKN	N103AV		
Schneeberg	8/15/2020 21:48	8/15/2020 21:45	UNK	D	UNKN	N608HR		
Fox	8/16/2020 6:09	8/16/2020 6:23	03L	D	P28A	N140SB		
Schneeberg	8/16/2020 8:45	8/16/2020 8:28	03L	T	UNKN	N6919J		
Schneeberg	8/16/2020 20:13	8/16/2020 20:18	03L	A	UNKN	N629LT	NMS02	66.2
Anon - 1	8/17/2020 2:16	8/17/2020 2:15	03R	D	AC50	CTL101		
Fox	8/17/2020 5:23	8/17/2020 5:27	03R	A	BE9L	N329GS	NMS03	74.7
Fox	8/17/2020 6:06	8/17/2020 6:03	UNK	D	UNKN	N2AQ		
Fox	8/17/2020 6:12	8/17/2020 6:08	21R	D	UNKN	N7784G		
Yin	8/17/2020 10:10							
Anon - 1	8/18/2020 2:57	8/18/2020 3:00	UNK	A	C560	N154JK	NMS03	69.9
Anon - 1	8/18/2020 3:57	8/18/2020 3:52	03R	D	C560	N154JK	NMS03	72.3
Anon - 1	8/18/2020 4:47	8/18/2020 4:54	26L	A	B763	UNKNOWN		
Anon - 1	8/18/2020 6:15	8/18/2020 6:12	UNK	D	UNKN	N76PC		
Adams	8/19/2020 7:30	8/19/2020 7:28	21R	T	UNKN	N9054S	NMS02	73.9
Schneeberg	8/19/2020 8:14	8/19/2020 7:59	21R	T	UNKN	N7664F		
Yates	8/19/2020 17:52	8/19/2020 18:07	21L	A	C56X	DPJ47		
Fox	8/20/2020 4:48	8/20/2020 4:42	21L	D	BE58	FNX1393	NMS03	76.9
Schneeberg	8/20/2020 14:09	8/20/2020 14:08	UNK	T	C560	N500FZ		
Anon - 1	8/20/2020 23:52	8/20/2020 23:50	21L	A	P28A	N103AV		
Anon - 1	8/21/2020 20:22	8/21/2020 20:04	UNK	O	UNKN	UNKNOWN		
Yates	8/22/2020 14:33	8/22/2020 14:37	21L	A	C510	N979PC		

Anon - 1	8/23/2020 4:10	8/23/2020 4:08	16	D	COL3	N1334X		
Schneeberg	8/23/2020 12:58	8/23/2020 12:42	21L	D	E55P	EJA416		
Yin	8/25/2020 1:06							
Fox	8/25/2020 6:38	8/25/2020 6:33	21L	D	J328	UJC130	NMS03	80
Anon - 1	8/25/2020 23:11	8/25/2020 23:03	03R	D	C525	N525LX		
Fox	8/26/2020 3:24	8/26/2020 3:14	21L	D	C208	N414CY	NMS03	71.2
Fox	8/26/2020 6:19	8/26/2020 6:05	21L	D	SR22	N553LB	NMS03	72.4
Anon - 1	8/27/2020 2:44	8/27/2020 2:20	16	D	C208	N414CY		
Anon - 1	8/27/2020 2:45	8/27/2020 2:20	16	D	C208	N414CY		
Fox	8/27/2020 6:05	8/27/2020 6:03	16	D	UNKN	N2AQ		
Fox	8/27/2020 6:11	8/27/2020 6:00	21R	D	UNKN	N704RB		
Schneeberg	8/27/2020 20:04	8/27/2020 19:51	21R	D	UNKN	N314GT	NMS02	67.2
Fox	8/28/2020 6:20	8/28/2020 5:51	21L	D	G280	N82CW	NMS03	72.1
Yates	8/28/2020 14:33	8/28/2020 14:29	21L	A	P28A	N385D		
Schneeberg	8/28/2020 15:56	8/28/2020 15:54	21L	D	UNKN	UNKNOWN		
Schneeberg	8/28/2020 16:00	8/28/2020 15:59	UNK	D	UNKN	UNKNOWN		
Anon - 1	8/28/2020 23:27	8/28/2020 23:32	21L	A	GLF4	DCM4212		
Miller	8/29/2020 15:28	8/29/2020 15:09	UNK	O	UNKN	N91DK		
Schneeberg	8/30/2020 12:59	8/30/2020 12:30	21R	D	UNKN	N435JM		
Fox	8/31/2020 6:10	8/31/2020 6:07	21L	D	S22T	N23SB	NMS03	81.8
Fox	8/31/2020 6:20	8/31/2020 6:07	21L	D	S22T	N23SB	NMS03	81.8

Disturbance Location Pin Map – August 2020



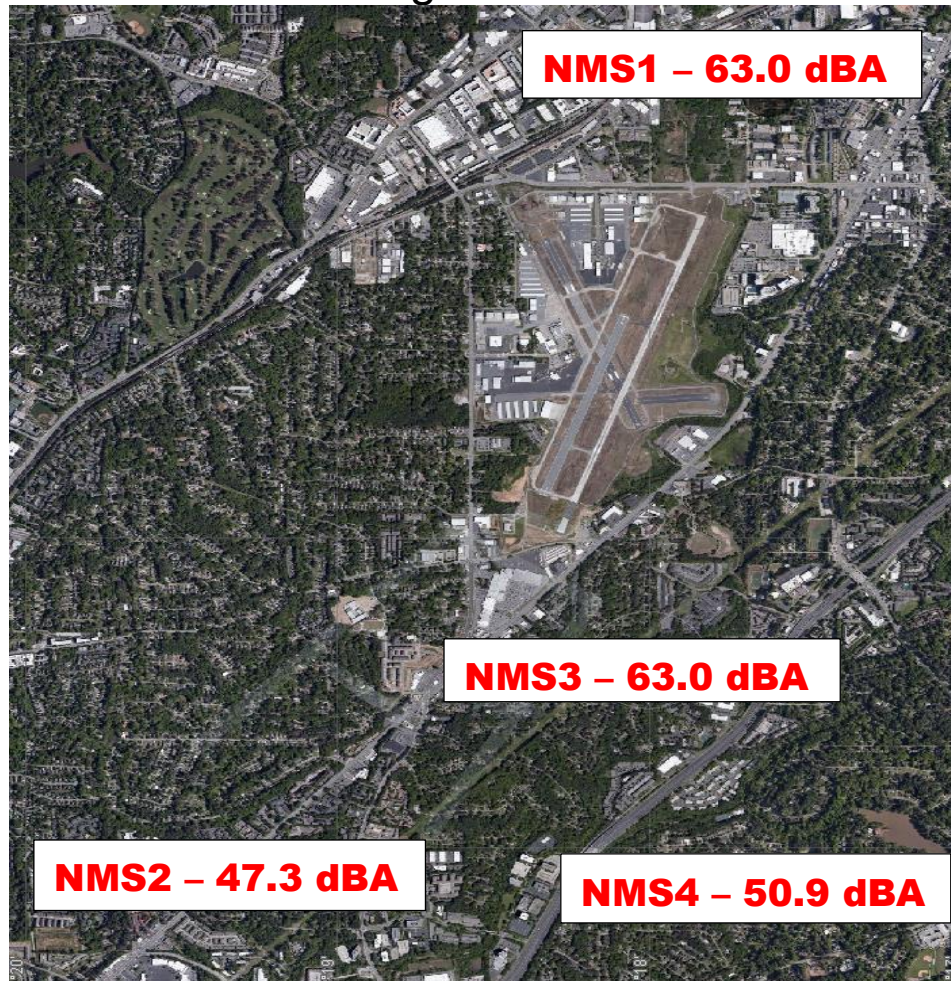
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

August 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 **348 (99.7%)** of the **349** operations during the voluntary curfew period (11PM-6AM) during the month of **August 2020**. Of the **348** identified operations, **206 (59%)** 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, **267 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:

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

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

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

Complaints received from operations conducted during the voluntary curfew period:

88 complaints were received during **August 2020**.

28 (31.2%) 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 – August 2020 N#'s (Multi-Use):

26 Aircraft with 2 Operations (N72GR, N610RL, N350KM, **N93LF, LBQ782**, CTL101, N777ZL, FNX1393, **N895CR**, N258SB, **N296AE, N133LN**, KFS44, N1334X, **N72SG**, N91853, N7784G, KFS69, N857CB, N54854, **N179SF**, N608HR, N504A, **N407LS, N412GJ, N355AE**)

4 Aircraft with 3 Operations (**N649AE**, N421ZZ, **CTL397**, N154JK)

3 Aircraft with 4 Operations (N140SB, N81771, **N377P**)

3 Aircraft with 5 Operations (**N423AE, EMD28, N445CH**)

4 Aircraft with 6 Operations (N685MF, **N525LX, N329GS, SKQ44**)

1 Aircraft with 7 Operations (N6919J)

1 Aircraft with 9 Operations (N103AV)

1 Aircraft with 14 Operations (**N208LS**)

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

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

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

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

26 Aircraft with 2 Operations (N773RC, N26889, **N900PS**, N1080H, N75CS, **CTE816**, N888WD, N4488H, N919DS, JLG97, **N649AE**, **N464RM**, EJM132, N414VA, N885GT, N500TH, N236D, **N525JW**, **N911UG**, KFS44, **N939TW**, N553LB, N58BE, **N445CH**, AUD91, **N423AE**)

4 Aircraft with 3 Operations (**CTE491**, N322CA, N154JK, N349SB,)

3 Aircraft with 4 Operations (N7664F, DCM6007, **SKQ44**)

4 Aircraft with 5 Operations (**N365LH**, **N407LS**, N140SB, N482A)

1 Aircraft with 6 Operations (N449A)

3 Aircraft with 7 Operations (**N329GS**, **N525LX**, **N891AA**)

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

2 Aircraft with 11 Operations (**N377P**, N103AV)

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

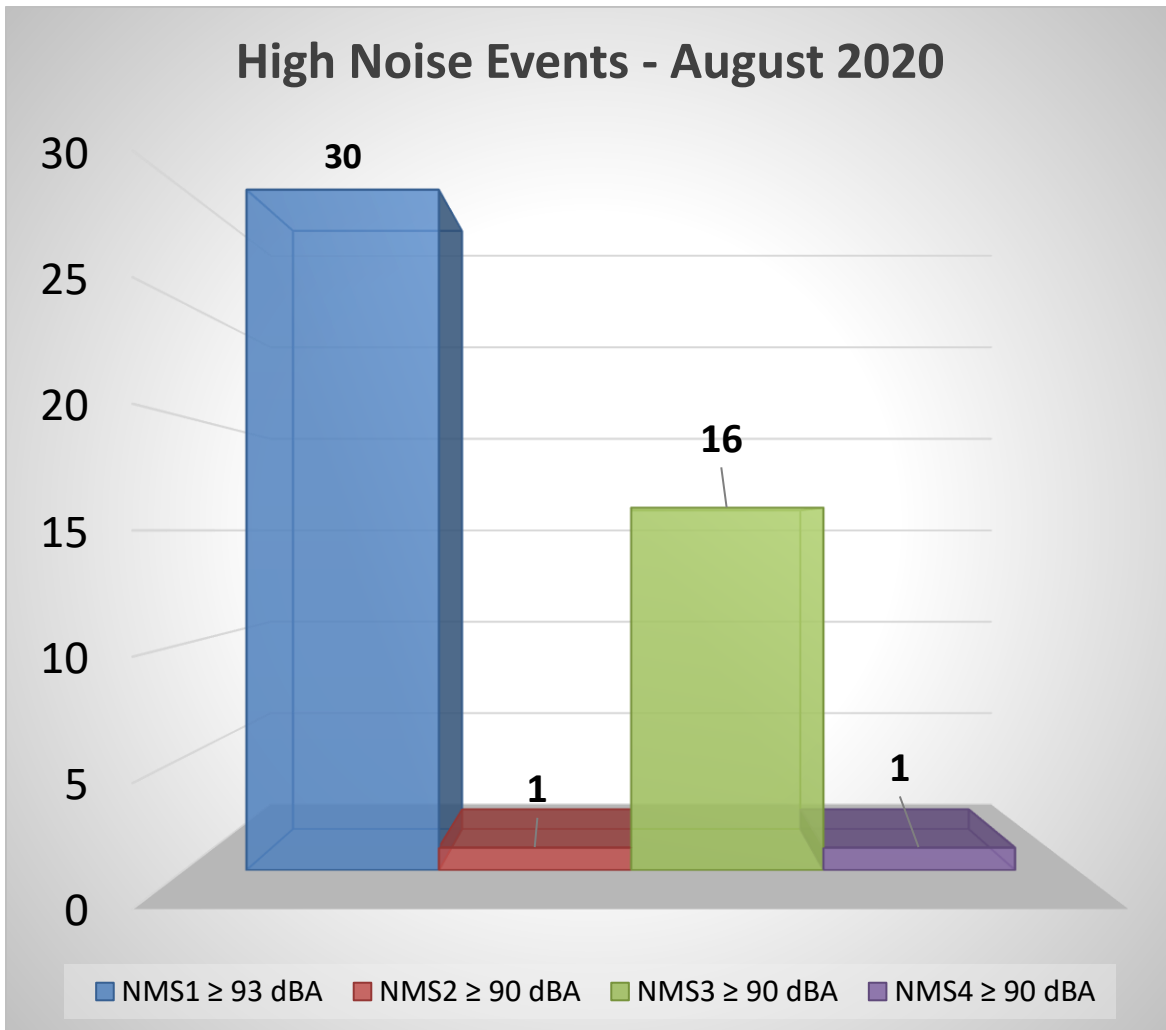
1 Aircraft with 40 Operations (**CTL67**)

1 Aircraft with 42 Operations (**N414CY**)

A total of **142** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **August** 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.



August 2020

6 Aircraft with 2 High Noise Event (N30WR, N99VS, N116RW, N789HA, N272TX, N420QS)

1 Aircraft with 3 High Noise Events (N58DH)

July 2020

10 Aircraft with 2 High Noise Event (N800EM, N533GT, N321MS, TMC449, N541S, JTL58, N116TT, N116RW, N5208K, N500TH)

4 Aircraft with 3 High Noise Events (N499PA, N50HN, N73924, N372MZ)

1 Aircraft with 4 High Noise Events (M487LX)

1 Aircraft with 9 High Noise Events (N103AV)

Comments/Concerns?

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



Monthly Noise & Operations Report December 2020

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

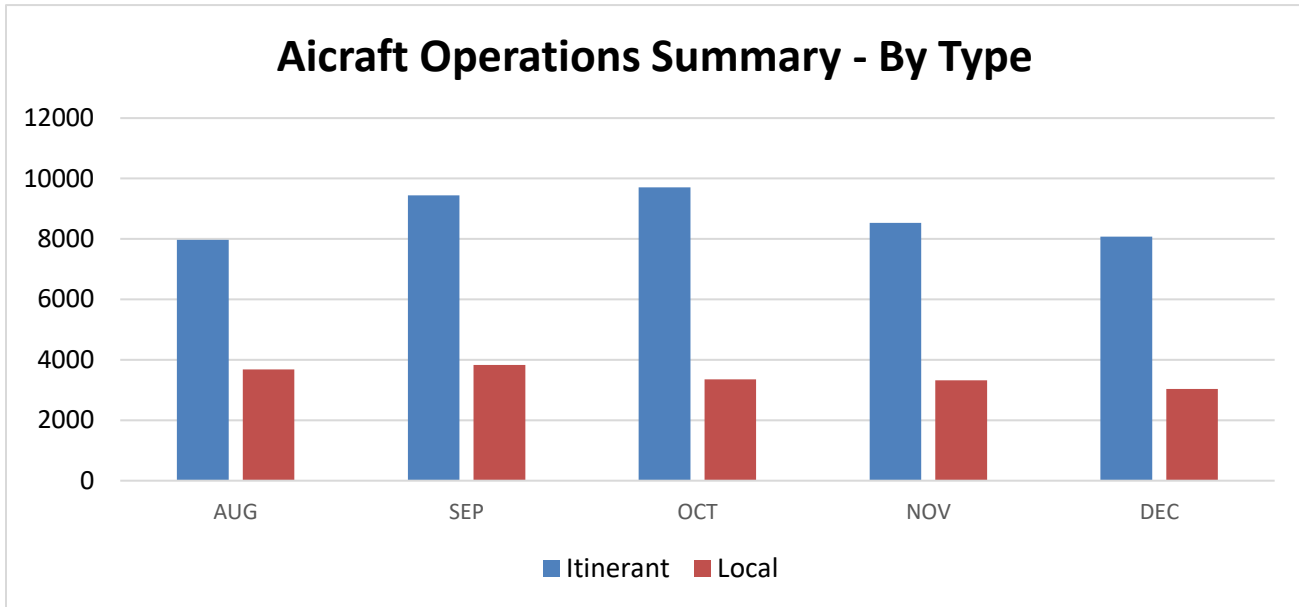
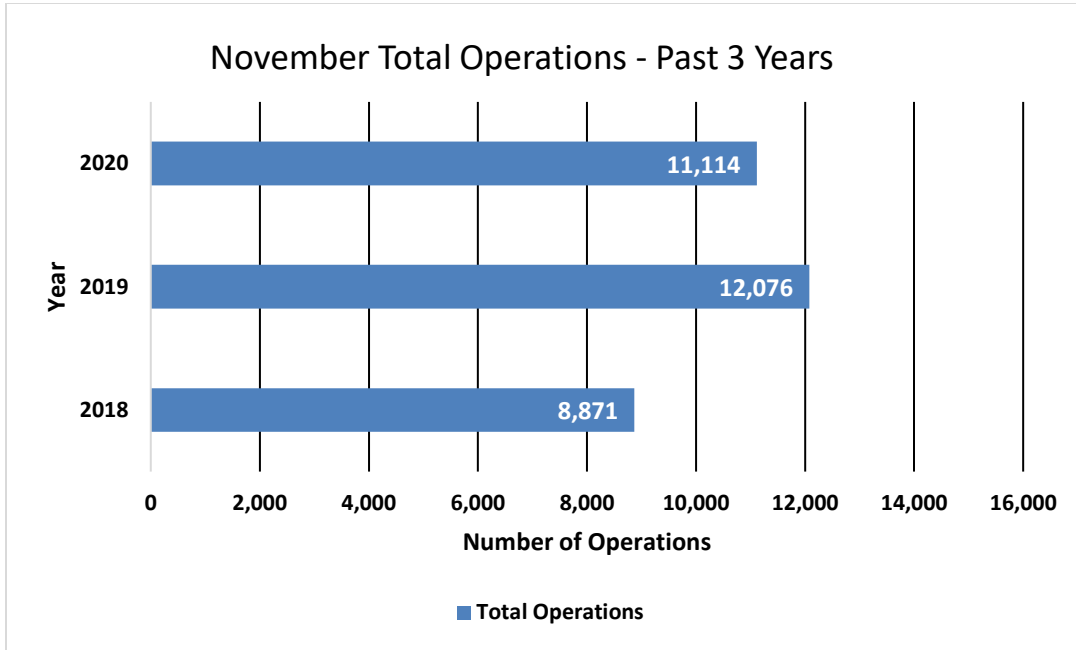
December 2020 Aircraft Operations:

	This Month	This Month, Last Year (December 2019)	% Change from December 2019	5-Year Average for Month
Total Operations	11,114	12,076	-7.97%	10,653
Itinerant	8,075	9,589	-15.79%	8,181
Local	3,039	2,487	22.20%	2,472
Voluntary Curfew Ops	331	328	0.91%	281
Prior Authorization	122	(3) 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.

December 2020 Aircraft Operations Summary

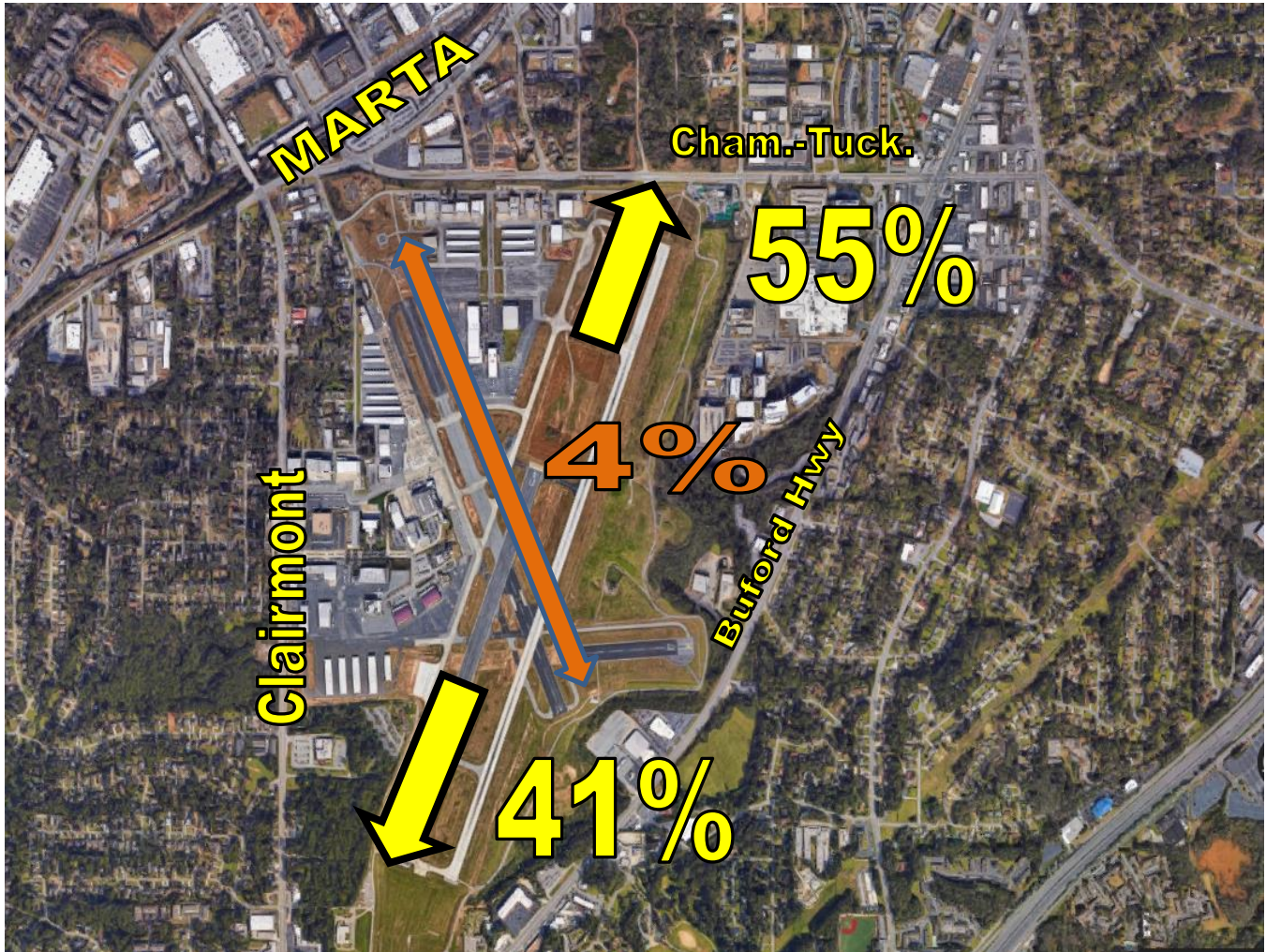


2019 Total Operations	2019 Total Operations as of December 2019	Total 2020 Ops as of December 2020
161,367	161,367	138,420 (-14.22%)

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	8,534	3,321	11,855	344
DEC	8,075	3,039	11,114	331

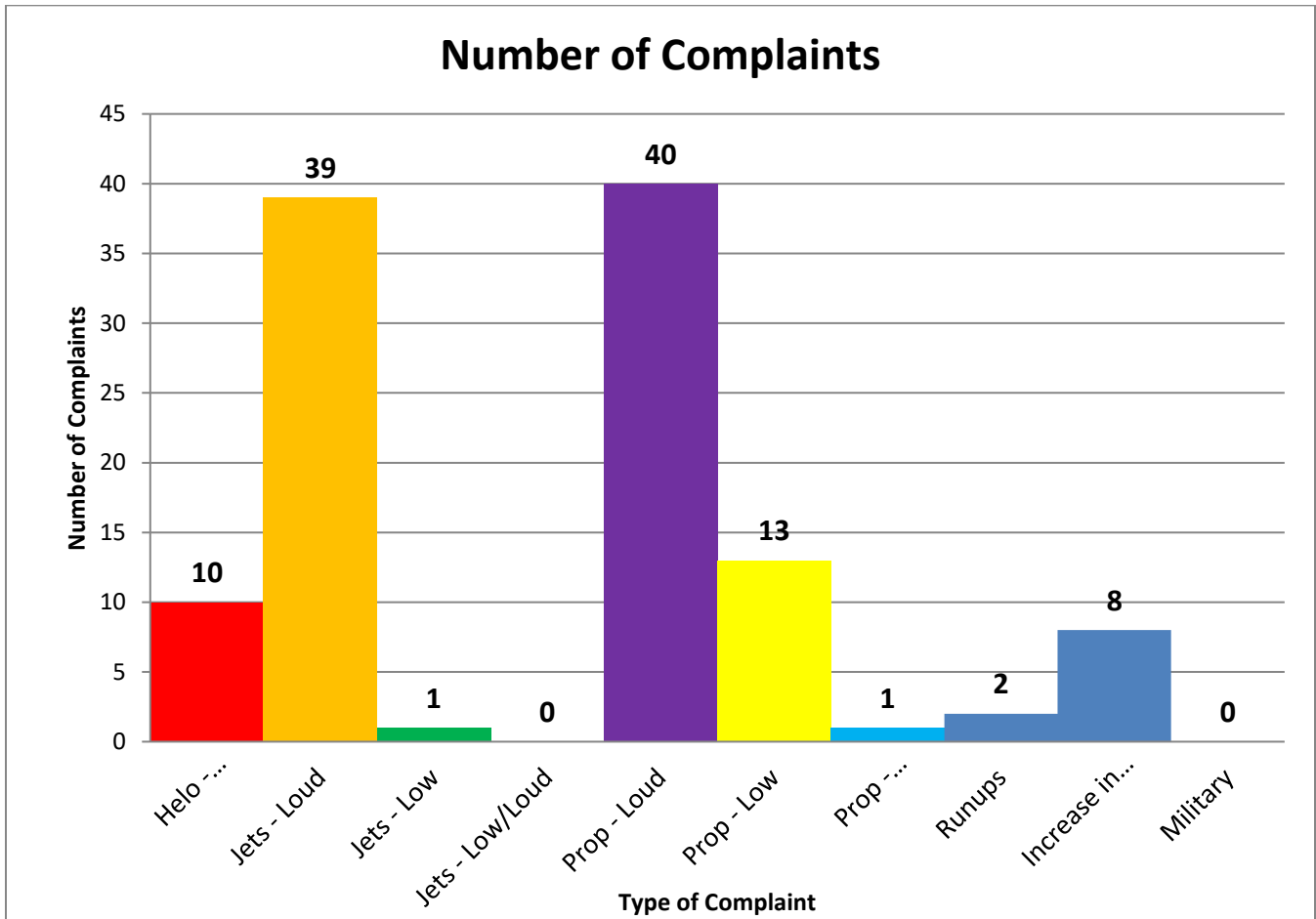
Runway Mode of Operations – December 2020

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.

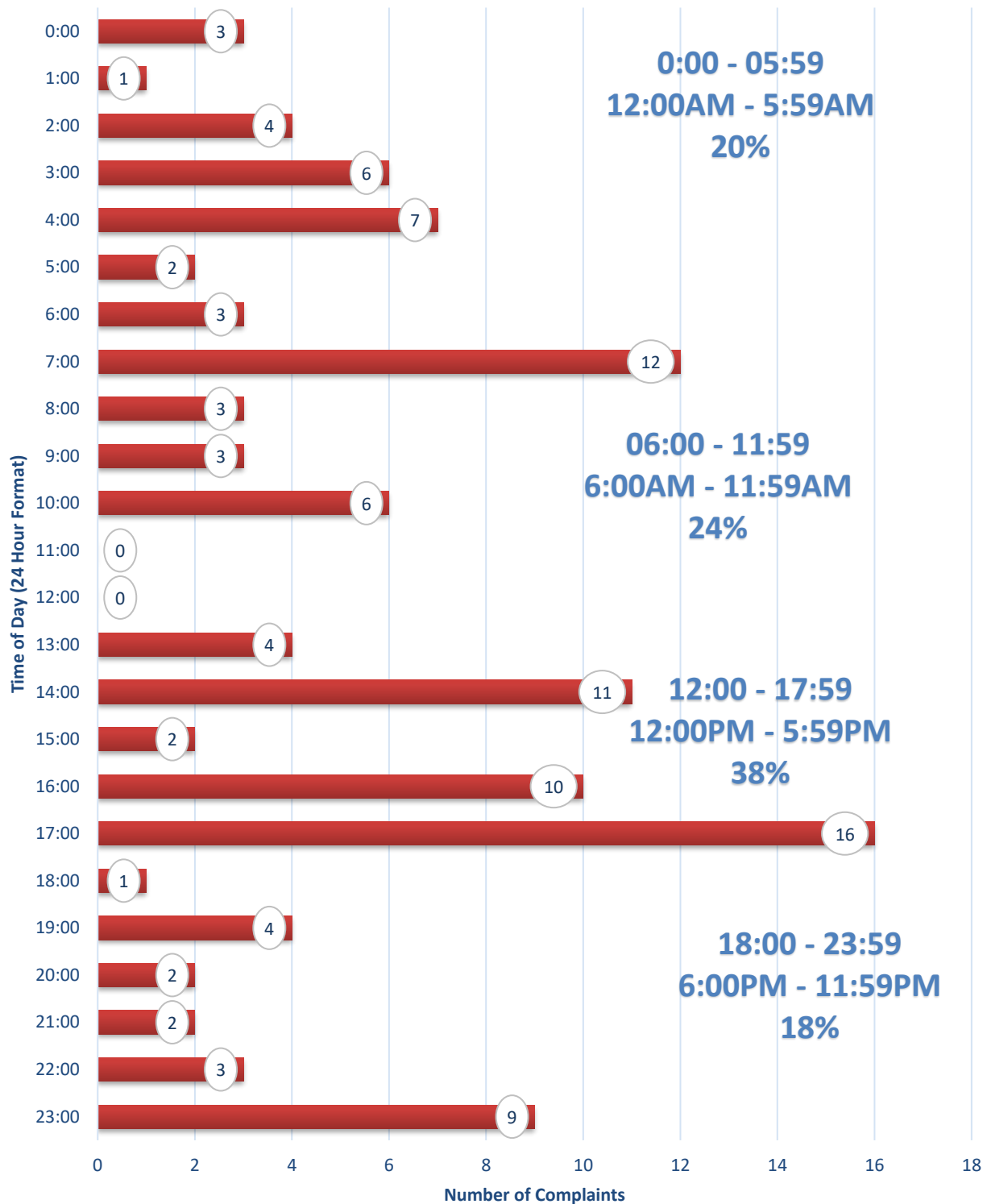


Noise Disturbance Summary

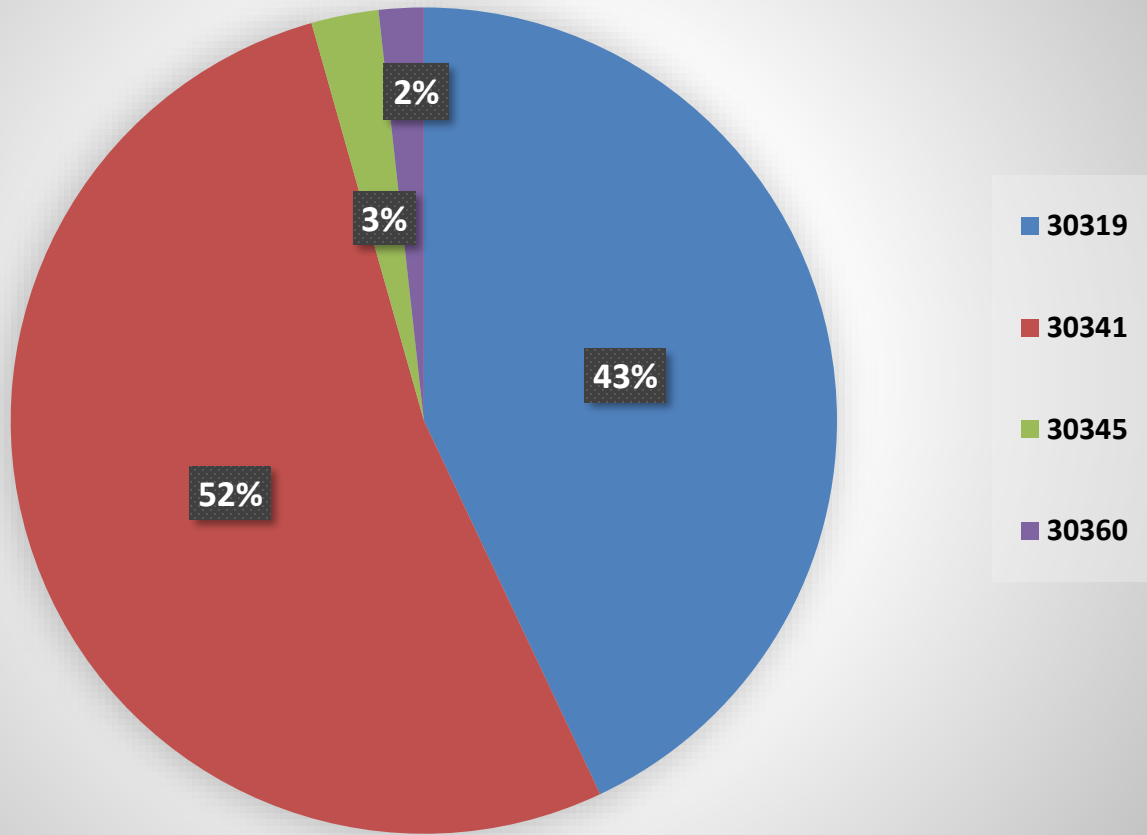
Total complaints for December 2020	Monthly Complaint Average 2020	December 2020 Complaints per Household <i>(minus top two/Households)</i>	December 2020 Complaints per Household <i>All Inclusive</i>
114	104	2.1	12.6



Number of Complaints by Hour



Zip Code Complaints

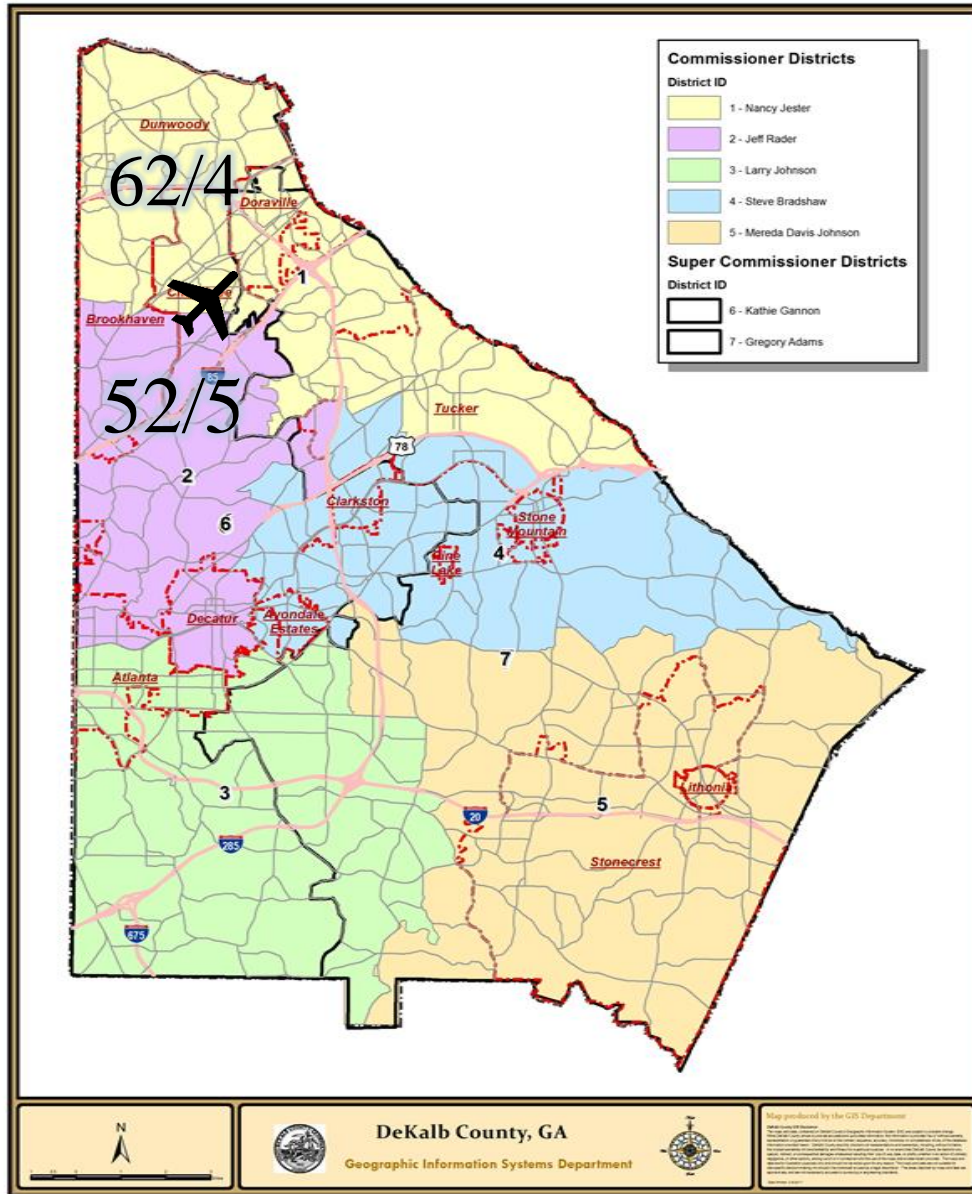


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	43%
30341	Chamblee - North	52%
30345	Chamblee - South	3%
30360	Dunwoody	2%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	47
Anon - 1	Dresden Dr	Atlanta	30341	52
Nagel	3905 Winters Hill Drive	Atlanta	30360	2
Yates	1889 9th Street	Chamblee	30341	4
Terry	2652 Cove Circle NE	Atlanta	30319	1
Figueroa	2718 Eaton Place	Chamblee	30341	4
Fox	2423 Woodacres Rd NE	Atlanta	30345	2
Manso	3812 Glen Arbor Ct Ne	Atlanta	30319	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	1

Complaints per Commission District






Total Number of Complaints
Total Number of Complainants

114 /
9

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 **114 (100%)** out of **114** complaints:

- **113 or 99.1%** of the noise complaints were found to be **Direct** correlations
- **1 or 0.9%** were **Indirect** correlations to operations
- **0 or 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.

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

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon-1	12/2/2020 3:36	12/2/2020 3:36	21L	A	C208	N208LS		
Anon-1	12/2/2020 14:04	12/2/2020 14:05	03R	A	UNKN	UNKNOWN	NMS03	84.5
Anon-1	12/2/2020 18:26	12/2/2020 18:33	03R	A	GLF4	N444QC	NMS03	72
Anon-1	12/2/2020 19:33	12/2/2020 19:23	03R	D	SF50	N124SP		
Anon-1	12/2/2020 19:50	12/2/2020 19:43	03R	D	C560	N560JK	NMS03	75
Schneeberg	12/3/2020 9:25	12/3/2020 9:37	03L	A	UNKN	N348D		
Schneeberg	12/3/2020 13:35	12/3/2020 13:18	03L	D	UNKN	N674DT		
Schneeberg	12/3/2020 16:46	12/3/2020 16:43	UNK	D	UNKN	N2AQ		
Manso	12/4/2020 0:25	12/4/2020 0:24	03R	D	AC50	CTL67	NMS01	73.9
Schneeberg	12/4/2020 7:10	12/4/2020 6:53	03L	D	P28A	N6919J		
Schneeberg	12/4/2020 9:43	12/4/2020 9:27	21R	D	C172	N623KW		
Schneeberg	12/4/2020 21:32	12/4/2020 21:31	21R	D	AC50	CTL66		
Anon-1	12/5/2020 2:40	12/5/2020 2:30	21L	D	C208	N414CY	NMS03	75.5
Anon-1	12/5/2020 13:57	12/5/2020 14:00	03L	A	UNKN	N1785A		
Schneeberg	12/5/2020 17:08	12/5/2020 17:14	03L	A	UNKN	N21228		
Schneeberg	12/5/2020 17:09	12/5/2020 17:14	03L	A	UNKN	N21228		
Schneeberg	12/5/2020 17:15	12/5/2020 17:25	03L	A	UNKN	N19PE	NMS02	67.4
Anon-1	12/5/2020 22:19	12/5/2020 22:14	21R	D	UNKN	N543BZ		
Schneeberg	12/6/2020 17:16	12/6/2020 17:13	21R	D	C182	N737JS		
Anon-1	12/7/2020 2:15	12/7/2020 2:11	21L	D	C208	N414CY	NMS03	75.4
Fox	12/7/2020 5:23	12/7/2020 5:13	21L	D	C525	N525KY	NMS03	82.8
Anon-1	12/7/2020 6:53	12/7/2020 6:39	21L	D	G280	EDG94		
Anon-1	12/7/2020 6:55	12/7/2020 6:51	21L	D	E550	N183TS		
Anon-1	12/7/2020 7:08	12/7/2020 7:00	21L	D	BE30	N740PC	NMS03	81.2
Anon-1	12/8/2020 7:34	12/8/2020 7:21	03R	D	C525	N309CJ	NMS03	68.3
Schneeberg	12/8/2020 16:29	12/8/2020 16:28	UNK	D	UNKN	UNKNOWN		

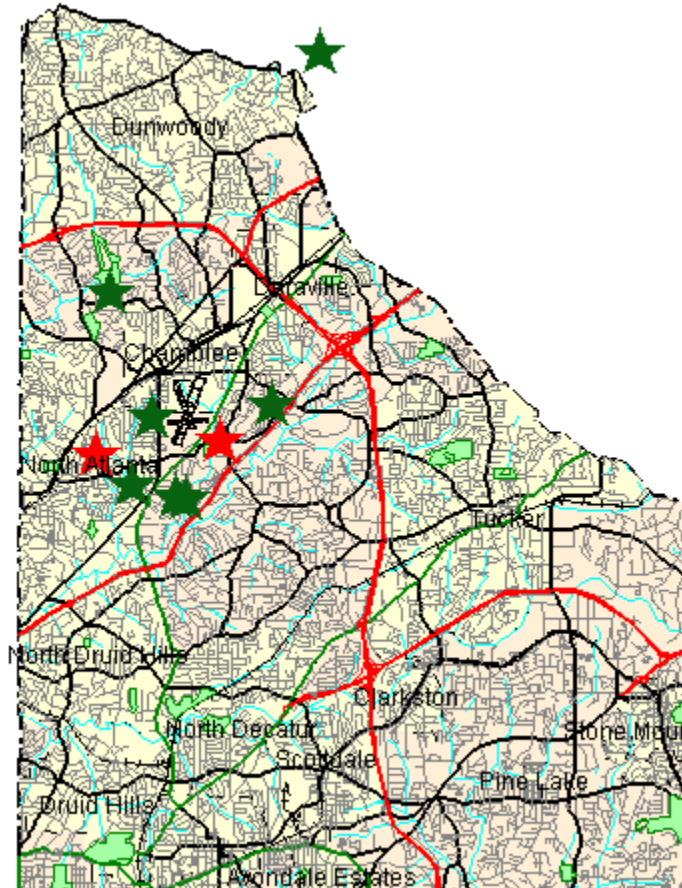
Schneeberg	12/8/2020 16:52	12/8/2020 16:57	03L	A	UNKN	N704RB		
Fox	12/8/2020 23:05	12/8/2020 23:20	21L	A	C680	EJA376	NMS03	76.7
Anon-1	12/9/2020 0:46	12/9/2020 0:42	03R	D	AC50	CTL67		
Anon-1	12/9/2020 1:48	12/9/2020 1:52	34	A	UNKN	N887AE	NMS03	73.4
Anon-1	12/9/2020 13:01	12/9/2020 12:57	03R	D	E55P	N563EE		
Anon-1	12/9/2020 16:32	12/9/2020 16:23	03R	D	FA50	N216WD		
Anon-1	12/9/2020 16:45	12/9/2020 16:43	03R	D	C56X	N404MM		
Anon-1	12/9/2020 17:47	12/9/2020 17:50	03R	A	FA50	N50HN	NMS03	67.6
Anon-1	12/9/2020 21:50	12/9/2020 21:57	UNK	A	UNKN	N543BZ		
Anon-1	12/9/2020 23:12	12/9/2020 23:05	21L	D	BE9L	N329GS	NMS03	81.5
Anon-1	12/10/2020 2:15	12/10/2020 2:20	21L	A	E145	LYM563	NMS03	70.7
Anon-1	12/10/2020 4:13	12/10/2020 4:09	21L	D	AC50	CTL68	NMS03	74.6
Anon-1	12/10/2020 7:53	12/10/2020 7:52	16	D	UNKN	N6QP		
Anon-1	12/10/2020 7:55	12/10/2020 7:52	16	D	UNKN	N6QP		
Schneeberg	12/10/2020 9:33	12/10/2020 9:37	03L	A	SR22	N891DM		
Schneeberg	12/10/2020 10:07	12/10/2020 9:42	03L	D	P28A	N674DT		
Anon-1	12/10/2020 15:45	12/10/2020 15:37	03R	D	GLF3	N734TJ		
Schneeberg	12/10/2020 16:50	12/10/2020 16:43	UNK	D	UNKN	N608HR		
Anon-1	12/10/2020 23:21	12/10/2020 23:16	21L	D	BE40	RVJ303	NMS03	77.4
Schneeberg	12/11/2020 17:03	12/11/2020 17:05	21L	A	UNKN	UNKNOWN		
Schneeberg	12/11/2020 17:09	12/11/2020 17:07	UNK	D	UNKN	UNKNOWN		
Schneeberg	12/11/2020 17:14	12/11/2020 17:13	UNK	O	UNKN	UNKNOWN		
Figuroa	12/12/2020 3:57	12/12/2020 3:58	21L	A	LJ60	FTD561	NMS01	85.7
Anon-1	12/12/2020 4:04	12/12/2020 3:59	21L	D	AC50	CTL68		




Figueroa	12/12/2020 4:05	12/12/2020 3:59	21L	D	AC50	CTL68		
Anon-1	12/12/2020 4:09	12/12/2020 3:57	21L	D	LJ35	N655JH	NMS03	75.1
Figueroa	12/12/2020 4:09	12/12/2020 3:57	21L	D	LJ35	N655JH	NMS01	69.3
Schneeberg	12/12/2020 10:14	12/12/2020 9:59	03L	D	UNKN	N891TA		
Schneeberg	12/12/2020 10:35	12/12/2020 10:59	21R	A	UNKN	N519SF		
Schneeberg	12/12/2020 10:40	12/12/2020 10:59	21R	A	UNKN	N519SF		
Schneeberg	12/12/2020 10:47	12/12/2020 10:59	21R	A	UNKN	N519SF		
Schneeberg	12/12/2020 14:42	12/12/2020 14:42	21R	D	UNKN	N796PG		
Schneeberg	12/12/2020 14:43	12/12/2020 14:42	21R	D	UNKN	N796PG		
Schneeberg	12/12/2020 14:54	12/12/2020 14:42	21R	D	UNKN	N796PG		
Anon-1	12/13/2020 7:42	12/13/2020 7:32	21L	D	BE33	N896T	NMS03	81.2
Terry	12/13/2020 16:47	12/13/2020 16:45	21L	D	PC12	N330NX		
Schneeberg	12/13/2020 19:25	12/13/2020 18:56	21R	D	UNKN	N161GT		
Anon-1	12/14/2020 7:58	12/14/2020 7:41	21L	D	C340	N8671K		
Anon-1	12/14/2020 7:59	12/14/2020 7:53	21L	D	G150	N503RP	NMS03	81.2
Anon-1	12/14/2020 8:01	12/14/2020 7:53	21L	D	F2TH	N1925		
Yates	12/15/2020 23:18	12/15/2020 23:15	21L	D	C650	N2UP	NMS03	82.8
Anon-1	12/16/2020 4:12	12/16/2020 4:04	03R	D	C560	N900PS	NMS03	71.3
Nagel	12/16/2020 19:31	12/16/2020 19:36	21L	A	H25B	JTL762		
Philips	12/16/2020 22:40	12/16/2020 22:34	21L	D	GLEX	SIS829	NMS03	82.7
Anon-1	12/17/2020 5:39	12/17/2020 5:27	03R	D	BE58	GTX506		
Schneeberg	12/17/2020 20:46	12/17/2020 20:42	UNK	D	UNKN	N543BZ		
Anon-1	12/18/2020 3:50	12/18/2020 3:55	21L	A	GLF4	KFB510	NMS03	81.8

Anon-1	12/18/2020 3:50	12/18/2020 3:55	21L	A	GLF4	KFB510	NMS03	81.8
Anon-1	12/18/2020 8:52	12/18/2020 8:46	03R	D	C560	LAK689		
Schneeberg	12/18/2020 14:49	12/18/2020 14:52	03L	A	UNKN	N891TA		
Schneeberg	12/18/2020 16:51	12/18/2020 16:58	03L	A	UNKN	N4734X		
Schneeberg	12/18/2020 17:05	12/18/2020 17:02	03L	T	UNKN	N73924	NMS02	70.1
Schneeberg	12/18/2020 17:07	12/18/2020 17:02	03L	T	UNKN	N73924	NMS02	70.1
Schneeberg	12/18/2020 17:10	12/18/2020 17:17	03L	A	UNKN	N81771		
Schneeberg	12/18/2020 17:15	12/18/2020 17:22	03L	A	UNKN	N2674W		
Schneeberg	12/18/2020 17:24	12/18/2020 17:29	03L	A	UNKN	N348D		
Schneeberg	12/18/2020 17:28	12/18/2020 17:26	03L	D	UNKN	N1080H		
Anon-1	12/18/2020 23:21	12/18/2020 23:25	21L	A	LJ60	FTD561	NMS03	72.6
Schneeberg	12/20/2020 16:24	12/20/2020 16:20	21R	D	UNKN	N891TA		
Schneeberg	12/20/2020 16:33	12/20/2020 16:14	21R	D	UNKN	N103AV		
Schneeberg	12/20/2020 17:22	12/20/2020 17:09	21R	D	UNKN	N103AV		
Anon-1	12/21/2020 3:05	12/21/2020 3:00	21L	D	C208	N414CY	NMS03	74.8
Figuroa	12/22/2020 0:37	12/22/2020 0:36	03R	D	UNKN	CTL67		
Anon-1	12/22/2020 7:53	12/22/2020 7:50	03R	D	H25B	N499PA	NMS03	68.5
Anon-1	12/22/2020 22:15	12/22/2020 22:41	21L	T	GLF4	DCM6007	NMS03	84.5
Anon-1	12/22/2020 23:04	12/22/2020 22:42	21L	T	GLF4	DCM6007	NMS03	72.7
Yates	12/23/2020 2:48	12/23/2020 2:54	03R	A	PC12	SKQ31	NMS03	70.6
Schneeberg	12/23/2020 15:11	12/23/2020 15:09	UNK	D	UNKN	UNKNOWN	NMS02	71.5
Anon-1	12/23/2020 23:22	12/23/2020 23:28	03R	A	AC50	CTL67		
Anon-1	12/24/2020 4:54	12/24/2020 4:49	21L	D	CL60	KFS88	NMS03	72.2

Yates	12/26/2020 20:41	12/26/2020 20:53	21L	A	GLF5	N942JT		
Anon-1	12/27/2020 7:49	12/27/2020 7:53	03R	A	F2TH	N360SJ		
Schneeberg	12/27/2020 14:02	12/27/2020 13:59	03L	T	UNKN	N166RT		
Schneeberg	12/27/2020 14:22	12/27/2020 13:56	03L	D	UNKN	N103AV		
Schneeberg	12/27/2020 14:29	12/27/2020 14:34	03L	A	UNKN	N109TJ		
Schneeberg	12/27/2020 14:29	12/27/2020 14:34	03L	A	UNKN	N109TJ		
Schneeberg	12/27/2020 14:53	12/27/2020 14:57	03L	A	UNKN	N458GT		
Schneeberg	12/27/2020 14:53	12/27/2020 14:57	03L	A	UNKN	N458GT		
Anon-1	12/28/2020 6:58	12/28/2020 6:50	21R	D	UNKN	N428ZZ	NMS03	83.5
Anon-1	12/28/2020 7:52	12/28/2020 7:47	21L	D	BE40	N500TH	NMS03	71
Schneeberg	12/28/2020 17:02	12/28/2020 16:49	21R	D	C182	N1344U		
Anon-1	12/29/2020 7:26	12/29/2020 7:12	03R	D	GLF5	EJM17	NMS03	74.9
Anon-1	12/29/2020 8:04	12/29/2020 7:57	03R	D	GLF3	N500GF	NMS03	80.1
Schneeberg	12/29/2020 10:27	12/29/2020 10:06	03L	D	UNKN	N109TJ	NMS02	66.9
Yates	12/30/2020 3:17	12/30/2020 3:13	21L	D	C560	PXG690	NMS03	82.7
Anon-1	12/30/2020 23:23	12/30/2020 23:14	03R	D	C560	N797MM		
Anon-1	12/30/2020 23:57	12/30/2020 23:57	21L	A	BE9L	N377P	NMS03	76.3
Nagel	12/31/2020 13:48	12/31/2020 13:51	21L	A	UNKN	N327GA		

Disturbance Location Pin Map – December 2020



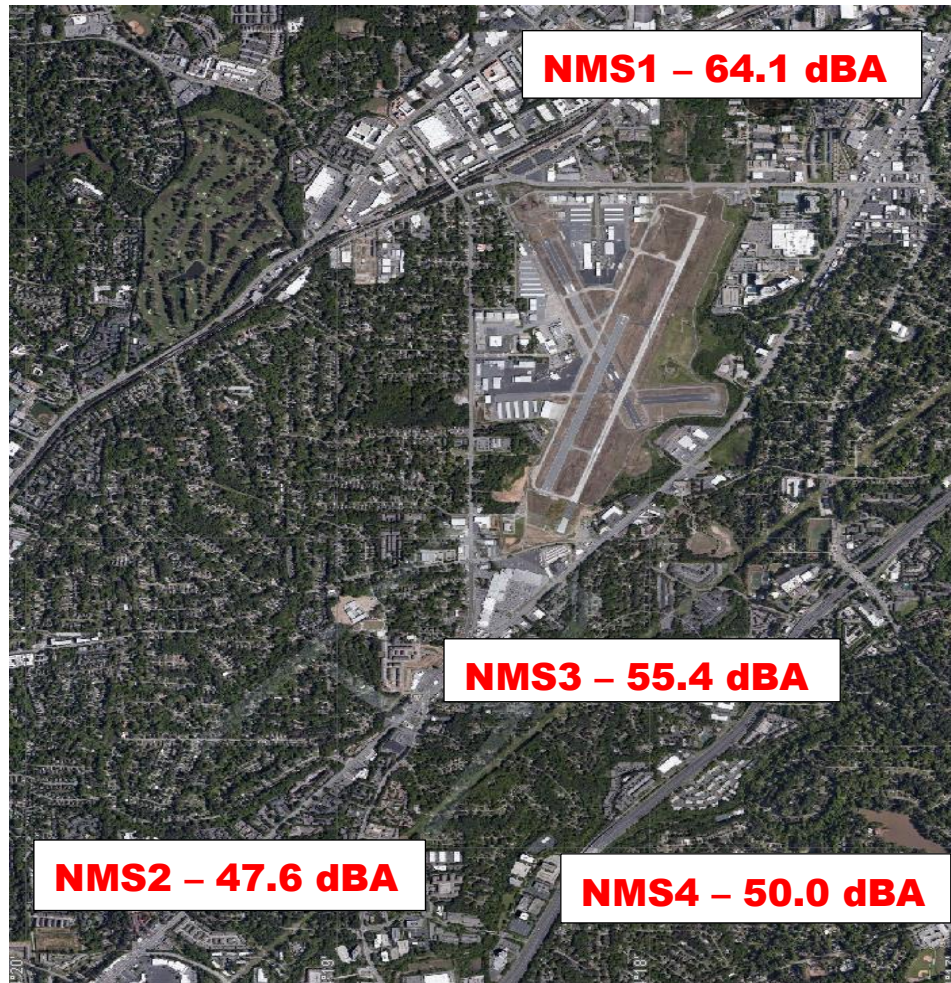
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

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

Monthly Noise Levels at Monitors

December 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 **329 (99.4%)** of the **331** operations during the voluntary curfew period (11PM-6AM) during the month of **December 2020**. Of the **329** identified operations, **205 (62.3%)** 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, **247 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:

127 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.

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

Complaints received from operations conducted during the voluntary curfew period:

114 complaints were received during **December 2020**.

32 (28.1%) 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 – 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**)

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

38 Aircraft with 2 Operations (N255AM, N628JW, **N550AJ**, N29XX, GLT84, JTL52, **LBQ840**, **LBQ640**, N558MT, **CTE585**, N133PE, **LBQ782**, PEG16, XACAL, N258SB, EJA437, FFL400, N385DS, **N553AE**, YEL10, N125SB, DPJ454, **N133LN**, **LBQ784**, N79849, N4488H, **CTE491**, N457MT, PEG73, N499PA, PXG680, **LBQ800**, **EMD28**, **N329GS**, WWI84, N355FA, N35731, **N407LS**)

10 Aircraft with 3 Operations (N770CJ, N130AV, PHJ56, N6919J, N17FA, **N887AE**, N302GV, **N325AM**, N500FZ, **N377P**)

7 Aircraft with 4 Operations (**N508KD**, **N525LX**, **N525JW**, **NLBQ825**, **N573AM**, **N891AA**, **N445CH**)

2 Aircraft with 6 Operations (**CTE816**, **SKQ44**)

1 Aircraft with 16 Operations (**N208LS**)

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

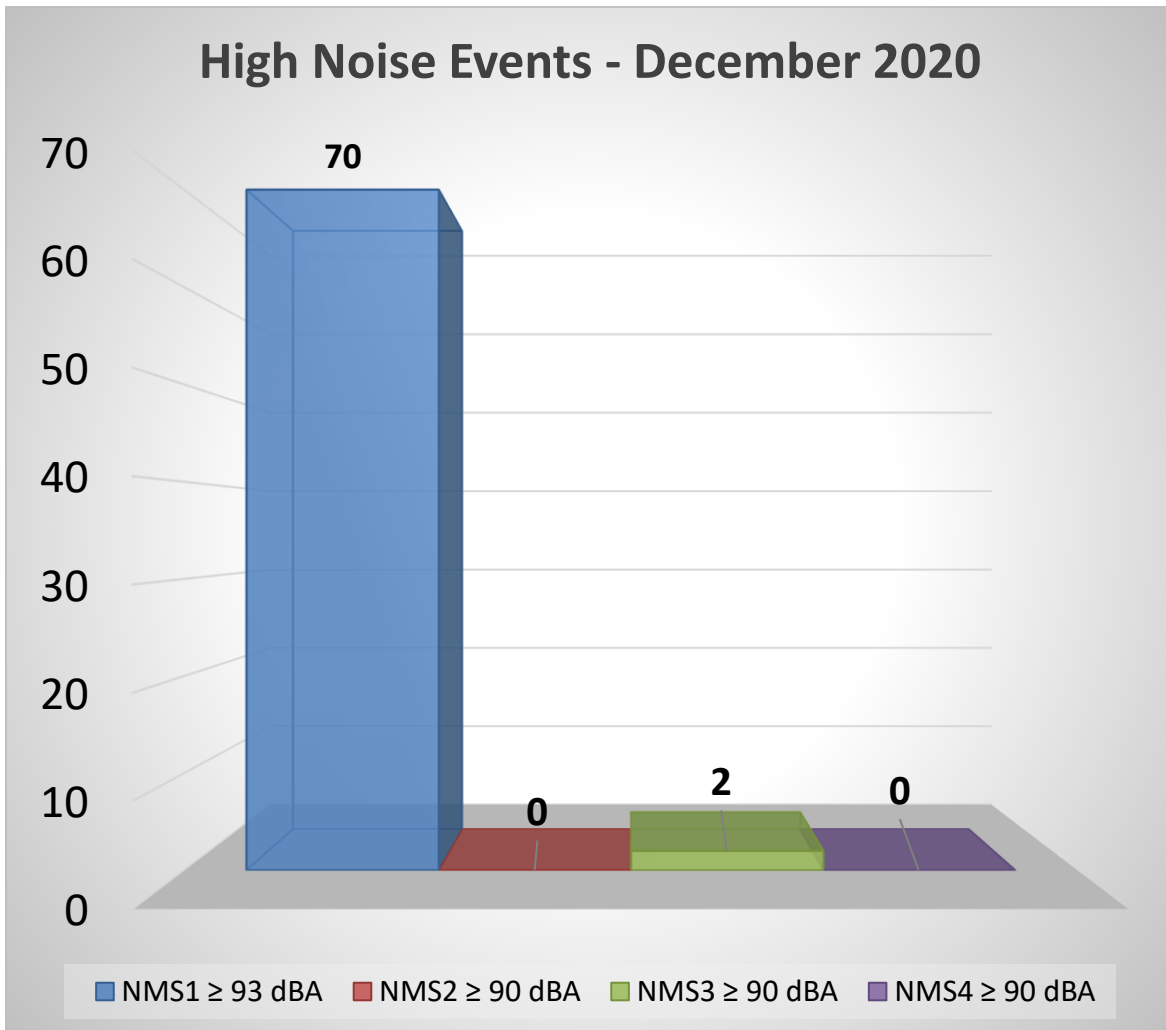
1 Aircraft with 35 Operations (**CTL67**)

1 Aircraft with 40 Operations (**N414CY**)

A total of **124** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **December** 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 **61** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



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**)

November 2020

5 Aircraft with 2 High Noise Event (N681SC, **N329GS**, N92CJ, N800EM, N908CB)

Comments/Concerns?

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



Monthly Noise & Operations Report February 2020

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

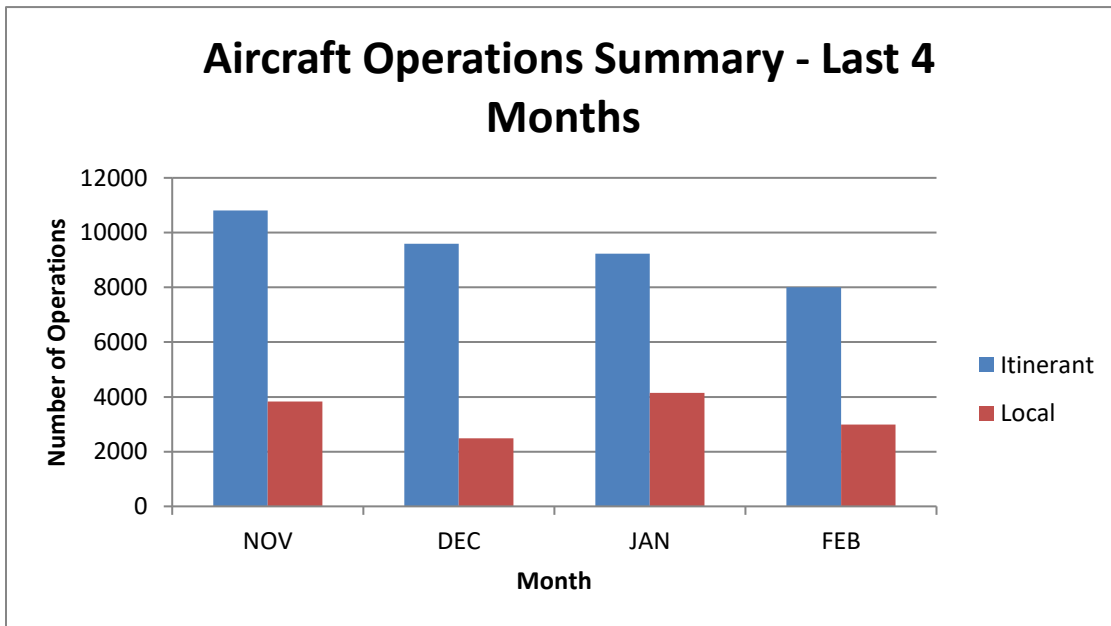
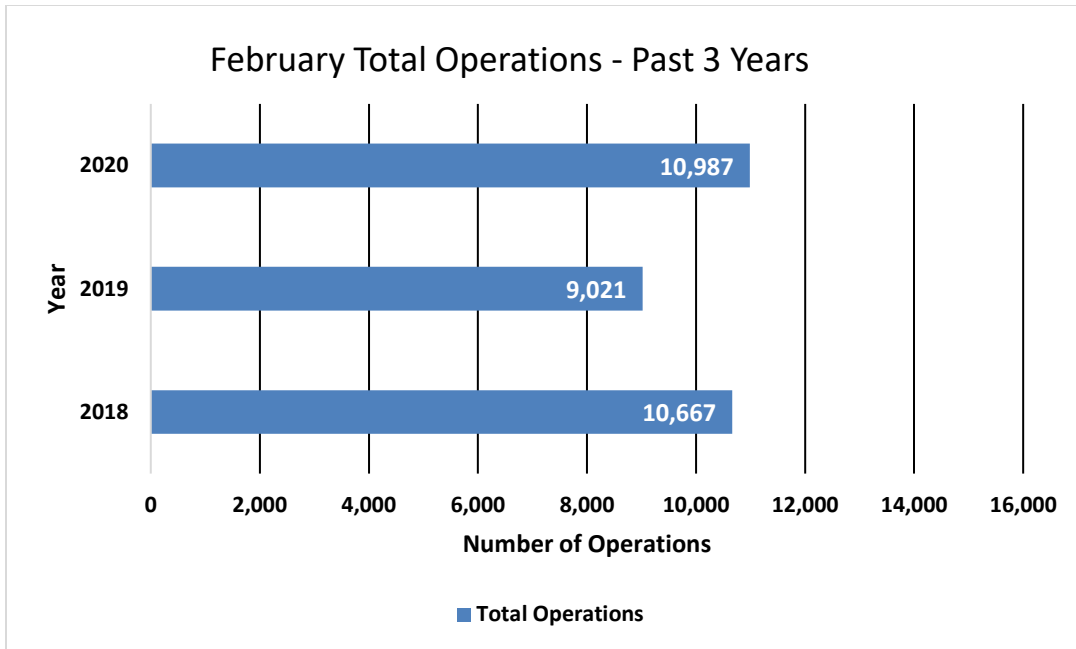
February 2020 Aircraft Operations:

	This Month	This Month, Last Year (February 2019)	% Change from February 2019	5-Year Average for Month
Total Operations	10,987	9,021	21.79%	11,012
Itinerant	7,999	7,268	10.06%	8,326
Local	2,988	1,753	70.45%	2,686
Voluntary Curfew Ops	280	340	-17.65%	296
Prior Authorization	144	(8) Noise disturbance calls associated with these flights. (4) 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 2020 Aircraft Operations Summary

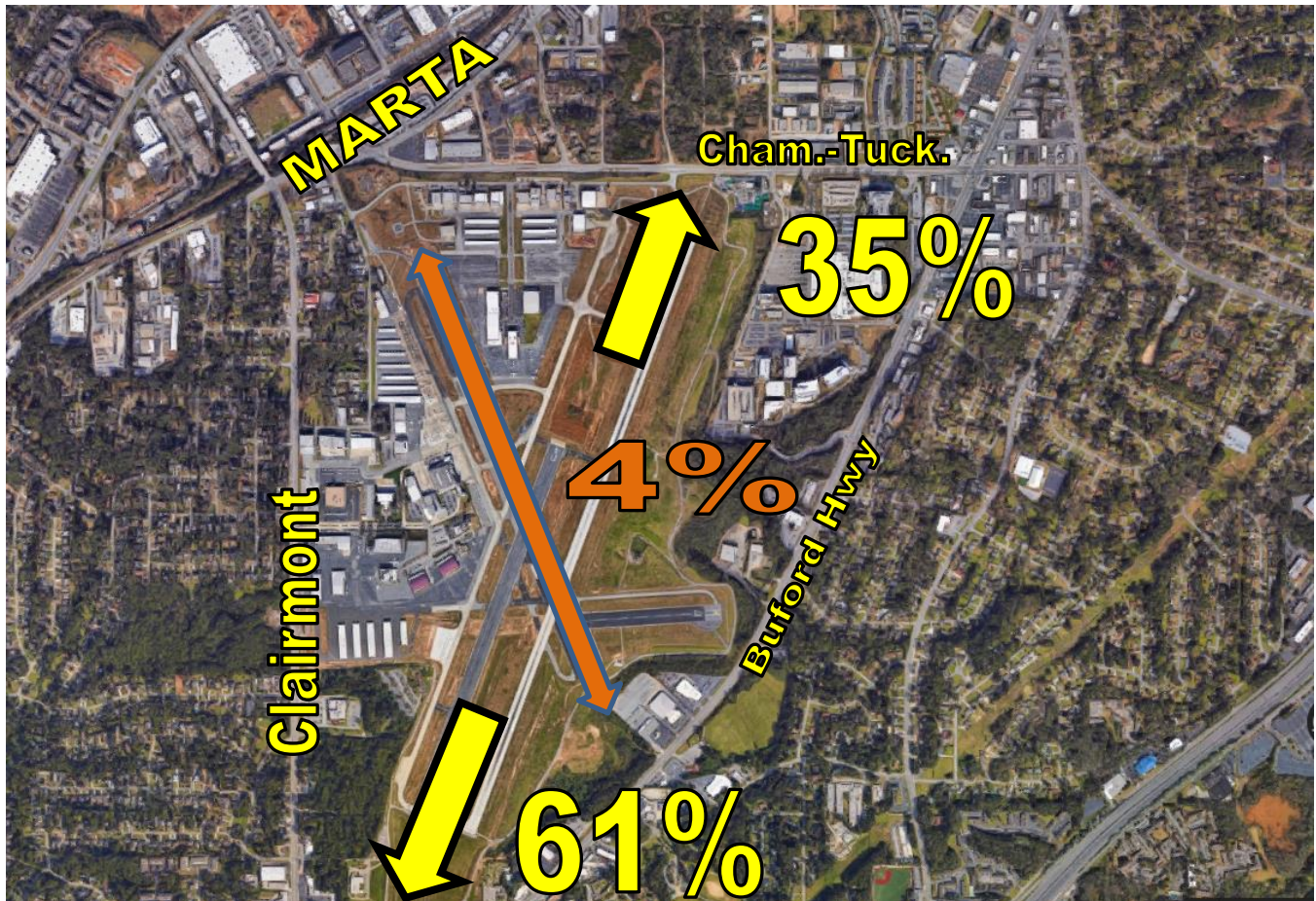


2019 Total Operations	2019 Total Operations as of Feb 2019	Total 2020 Ops as of Feb 2020
161,367	20,106	24,360 (21.16%)

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				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

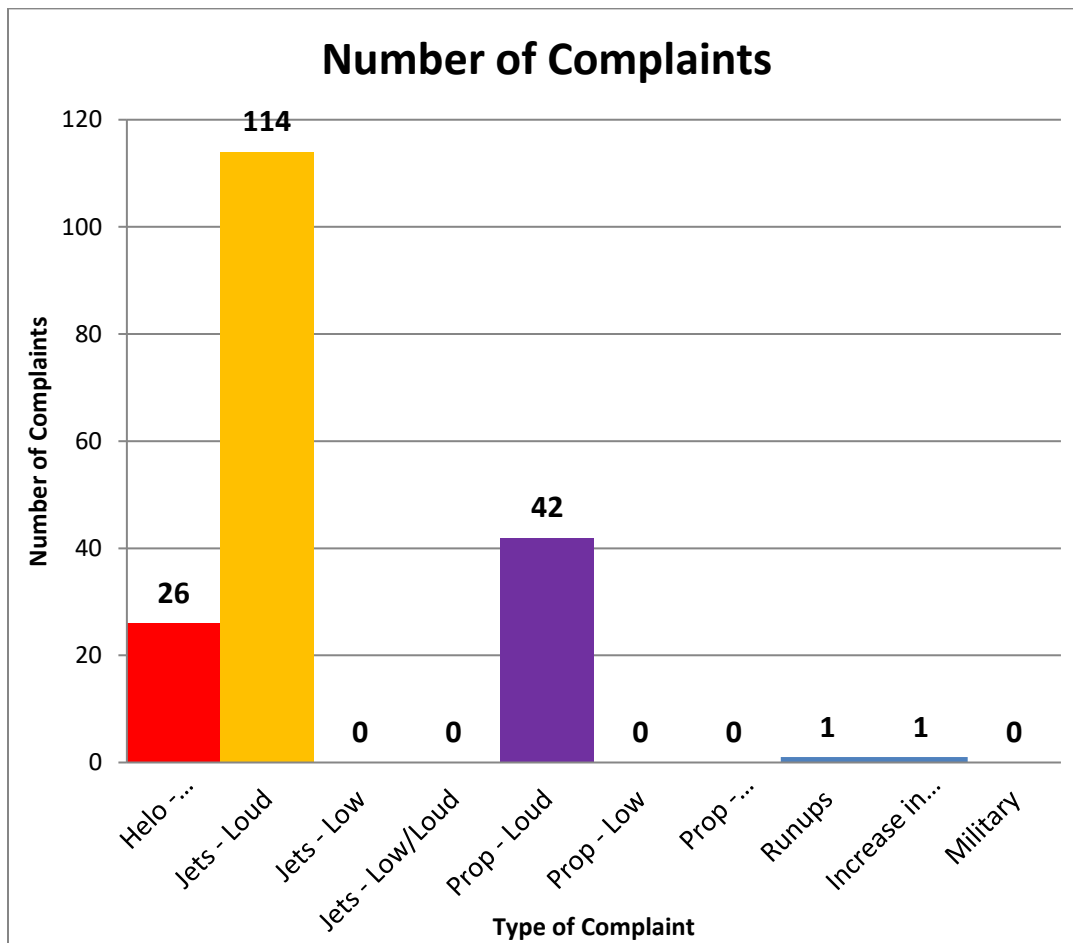
Runway Mode of Operations – February 2020

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.

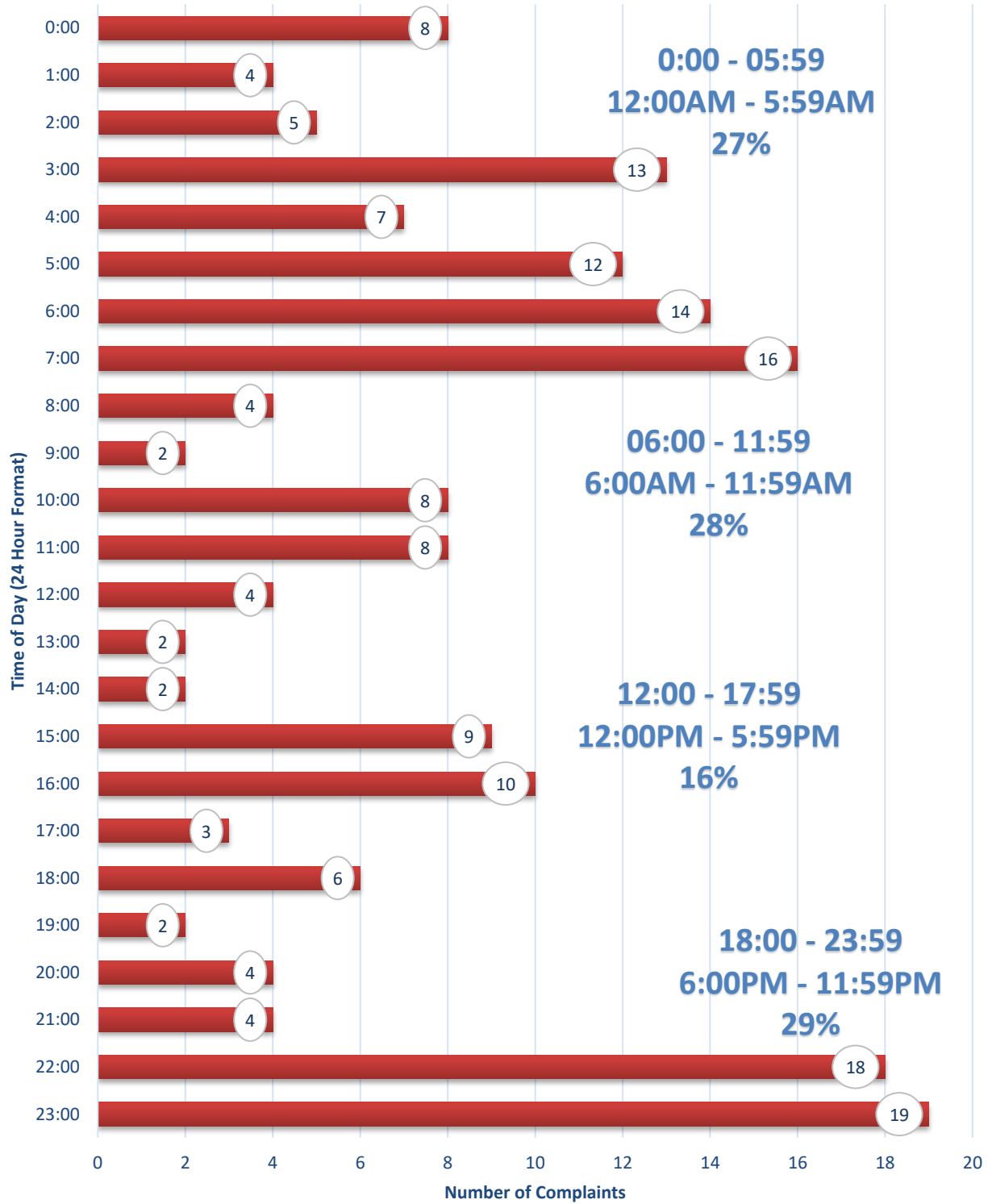


Noise Disturbance Summary

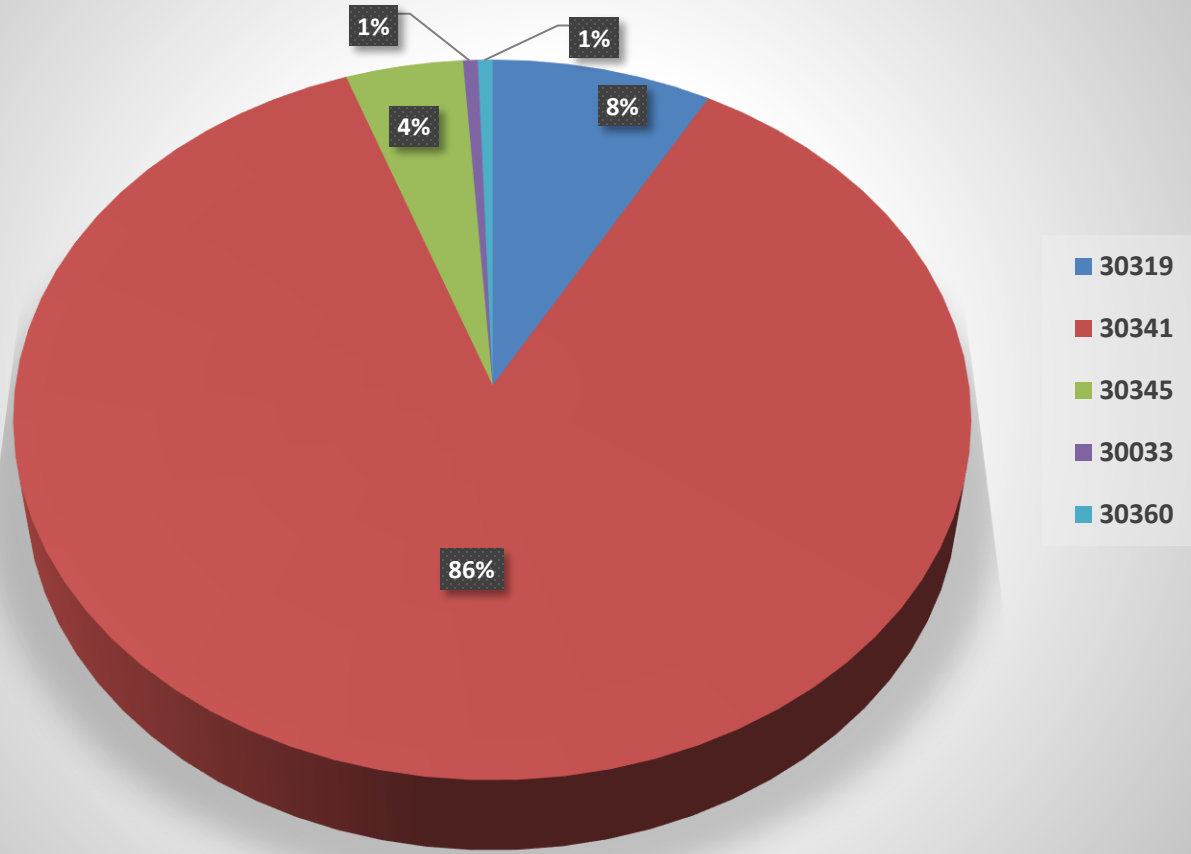
Total complaints for February 2020	Monthly Complaint Average 2020	February 2020 Complaints per Household <i>(minus top two/Households)</i>	February 2020 Complaints per Household <i>All Inclusive</i>
184	192	1.6	10.8



Number of Complaints by Hour



Complaints by Zip code

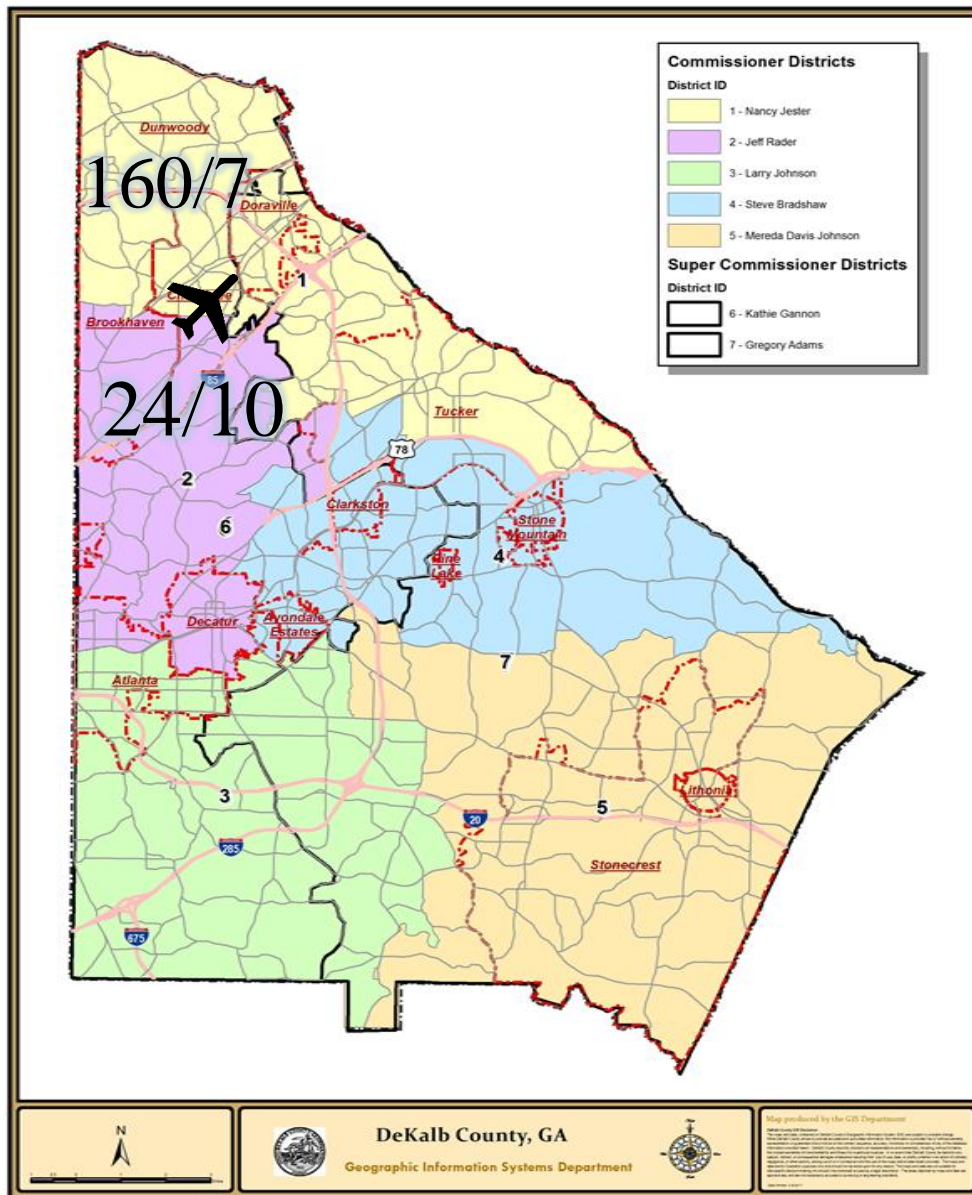


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	8%
30341	Chamblee - North	86%
30345	Chamblee - South	4%
30033	Decatur	1%
30360	Doraville	1%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	9
Tyler	1818 Tobey Rd	Chamblee	30341	1
Nagel	3905 Winters Hill Drive	Atlanta	30360	1
Anon - 1	Dresden Dr	Atlanta	30341	151
Bullard	2710 Fair Oaks Rd	Decatur	30033	1
Needle	3144 Parkridge Crescent	Chamblee	30341	1
Yates	1889 9th Street	Chamblee	30341	4
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Moss	2360 Drew Valley Rd NE	Atlanta	30319	2
Evans	2592 Woodacres Rd NE	Atlanta	30345	1
Davidian	1806 Duke Road	Chamblee	30341	1
Terry	2652 Cove Circle NE	Atlanta	30319	2
Runestad	2430 Field Way	Brookhaven	30319	1
Williams	1875 8th St	Chamblee	30341	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	4
Schwartz	1685 Cotswold Drive NE	Brookhaven	30319	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	2

Complaints per Commission District



160/7

24/10

Total Number of Complaints

184/




Total Number of Complainants

17

There were 0 complainant(s) outside of DeKalb County 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 **182 (98.9%)** out of **184** complaints:

- **178 or 96.7%** of the noise complaints were found to be **Direct** correlations
- **4 or 2.2 %** were **Indirect** correlations to operations
- **2 or 1.1%** 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: pdknoise@dekalbcountyga.gov

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon-1	2/1/2020 0:10	2/1/2020 0:25	03R	A	AC50	CTL67		
Anon-1	2/1/2020 0:46	2/1/2020 0:36	03R	D	AC50	CTL67		
Anon-1	2/1/2020 17:30	2/1/2020 17:33	21L	A	FA50	N27GA		
Anon-1	2/1/2020 22:52	2/1/2020 22:37	21L	D	C56X	PHJ56	NMS03	69.1
Anon-1	2/1/2020 23:24	2/1/2020 23:29	03L	A	UNKN	N445CH		
Anon-1	2/1/2020 23:27	2/1/2020 23:29	03L	A	UNKN	N445CH		
Anon-1	2/2/2020 2:53							
Anon-1	2/2/2020 4:27	2/2/2020 4:33	03R	A	CL60	WWI80		
Runestad	2/2/2020 11:18	2/2/2020 11:12	21R	D	UNKN	N166RT	NMS02	71
Anon-1	2/2/2020 16:20	2/2/2020 16:15	21L	D	BE40	JTL73	NMS03	81.1
Anon-1	2/3/2020 3:08	2/3/2020 3:05	21L	D	C208	N208LS	NMS03	75.5
Anon-1	2/3/2020 5:42	2/3/2020 5:35	03R	D	LJ75	N16PC		
Anon-1	2/3/2020 6:02	2/3/2020 5:59	16	D	UNKN	N2AQ		
Anon-1	2/3/2020 6:32	2/3/2020 6:31	21L	D	BE58	N18VR	NMS03	76.7
Anon-1	2/3/2020 6:37	2/3/2020 6:32	03R	D	GLF4	N435QS		
Anon-1	2/3/2020 7:09	2/3/2020 7:08	03R	A	E545	N794BC		
Anon-1	2/3/2020 7:56	2/3/2020 7:51	03R	D	LJ60	N275HZ		
Anon-1	2/3/2020 7:58	2/3/2020 7:51	03R	D	F2TH	N1925		
Anon-1	2/3/2020 7:58	2/3/2020 7:51	03R	D	F2TH	N1925		
Anon-1	2/3/2020 8:55	2/3/2020 8:47	03R	D	GLF4	DCM4212		
Anon-1	2/3/2020 22:31	2/3/2020 22:30	21L	D	F2TH	N9147H	NMS03	79.4
Moss	2/3/2020 23:22	2/3/2020 23:20	UNK	D	UNKN	N445CH		
Anon-1	2/4/2020 3:39	2/4/2020 3:43	21L	D	PC12	SKQ44		
Anon-1	2/4/2020 3:48	2/4/2020 3:43	21L	D	PC12	SKQ44		
Anon-1	2/4/2020 7:50	2/4/2020 7:45	21L	D	BE40	JTL480		
Anon-1	2/4/2020 7:58	2/4/2020 7:55	21R	D	BE24	N18841	NMS03	72.7
Anon-1	2/4/2020 8:08	2/4/2020 7:54	21L	D	UNKN	N744A	NMS03	71.9
Anon-1	2/4/2020 9:28	2/4/2020 9:33	21L	A	E135	UJC521		
Anon-1	2/4/2020 9:42	2/4/2020 9:38	21L	D	GLF5	N550DX	NMS03	75.5
Anon-1	2/4/2020 10:32	2/4/2020 10:20	UNK	D	UNKN	N543BZ		
Anon-1	2/4/2020 10:40	2/4/2020 10:40	21L	D	F2TH	N472K	NMS03	77

Anon-1	2/4/2020 11:19	2/4/2020 11:15	21L	D	GLF4	N805VZ		
Anon-1	2/4/2020 11:53	2/4/2020 11:59	21L	A	UNKN	N543BZ		
Anon-1	2/4/2020 12:29	2/4/2020 12:31	21L	A	BE40	JTL480		
Anon-1	2/4/2020 12:48	2/4/2020 12:41	UNK	O	C25B	N426NS		
Anon-1	2/4/2020 15:19	2/4/2020 14:53	21L	D	C56X	N60SW	NMS03	71.9
Anon-1	2/4/2020 15:51	2/4/2020 15:44	21L	D	J328	UJC851	NMS03	81.3
Schneeberg	2/4/2020 16:00	2/4/2020 15:55	21L	D	C182	N5454N		
Schneeberg	2/4/2020 16:00	2/4/2020 15:55	21L	D	C182	N5454N		
Anon-1	2/4/2020 16:18	2/4/2020 16:11	21L	D	BE40	TMC452	NMS03	75.9
Anon-1	2/4/2020 16:56	2/4/2020 16:52	21L	D	GLF5	N505GF	NMS03	76.3
Anon-1	2/4/2020 23:09	2/4/2020 22:59	UNK	O	UNKN	N547AM		
Anon-1	2/5/2020 4:00	2/5/2020 3:57	21L	D	PC12	SKQ43	NMS03	71.3
Anon-1	2/5/2020 4:51	2/5/2020 4:28	21L	D	G280	N280PC	NMS03	75
Anon-1	2/5/2020 6:25	2/5/2020 6:13	21L	D	BE40	JTL480	NMS03	76.5
Anon-1	2/5/2020 10:11	2/5/2020 9:56	21R	D	P32R	N42993	NMS03	79.6
Anon-1	2/5/2020 10:22	2/5/2020 10:15	21L	D	F2TH	N1897S	NMS03	76
Anon-1	2/5/2020 22:36	2/5/2020 22:17	21L	D	BE20	CTE491	NMS03	81.3
Anon-1	2/5/2020 22:56	2/5/2020 22:50	21L	D	C68A	EJA501	NMS03	77.2
Anon-1	2/6/2020 14:51	2/6/2020 15:15	21L	A	GLF5	N600JD		
Anon-1	2/6/2020 15:15	2/6/2020 15:14	21L	A	C750	FTH399		
Philips	2/6/2020 21:31	2/6/2020 21:02	21L	D	CL35	EJA774	NMS03	71.6
Anon-1	2/6/2020 22:36	2/6/2020 22:40	21L	A	CL35	EJA778		
Anon-1	2/6/2020 22:38	2/6/2020 22:44	21L	A	GLF6	N120GA		
Anon-1	2/6/2020 23:30	2/6/2020 23:31	21L	A	GLEX	N683GA	NMS03	69.4
Anon-1	2/7/2020 1:27	2/7/2020 1:30	21L	A	FA50	N617BZ		

Anon-1	2/7/2020 4:00	2/7/2020 3:53	21L	D	PC12	SKQ43	NMS03	71.2
Anon-1	2/7/2020 4:00	2/7/2020 3:53	21L	D	PC12	SKQ43	NMS03	71.2
Anon-1	2/7/2020 4:58	2/7/2020 5:08	21L	A	C208	N208LS		
Anon-1	2/7/2020 5:26	2/7/2020 5:28	21L	A	BE40	N8YM		
Schwartz	2/7/2020 5:29	2/7/2020 5:23	21L	D	C208	N208LS		
Fox	2/7/2020 5:29	2/7/2020 5:23	21L	D	C208	N208LS		
Anon-1	2/7/2020 5:29	2/7/2020 5:23	21L	D	C208	N208LS		
Anon-1	2/7/2020 5:33	2/7/2020 5:29	21L	D	FA50	N617BZ	NMS03	72.6
Fox	2/7/2020 5:55	2/7/2020 6:01	21L	D	BE40	N8YM	NMS03	88.8
Fox	2/7/2020 5:59	2/7/2020 6:01	21L	D	BE40	N8YM	NMS03	88.8
Fox	2/7/2020 6:01	2/7/2020 6:01	21L	D	BE40	N8YM	NMS03	88.8
Anon-1	2/7/2020 6:06	2/7/2020 6:01	21L	D	BE40	N8YM	NMS03	88.8
Anon-1	2/7/2020 6:58	2/7/2020 6:57	21L	D	C501	N999PW	NMS03	70.4
Anon-1	2/7/2020 15:00	2/7/2020 15:05	34	A	UNKN	N369SE		
Anon-1	2/7/2020 16:32	2/7/2020 16:37	21L	A	FA10	N100YP		
Anon-1	2/7/2020 17:01	2/7/2020 16:35	UNK	O	UNKN	UNKNOWN		
Anon-1	2/7/2020 17:06	2/7/2020 17:08	21L	A	SR22	N107TQ		
Anon-1	2/7/2020 23:43	2/7/2020 23:42	03R	A	C650	N541S		
Terry	2/8/2020 3:05	2/8/2020 2:59	21L	D	PC12	SKQ44	NMS03	71.4
Anon-1	2/8/2020 3:19	2/8/2020 3:15	21L	D	C208	N208LS	NMS03	80
Anon-1	2/8/2020 18:25	2/8/2020 18:37	21L	A	FA50	N27GA		
Anon-1	2/8/2020 18:30	2/8/2020 18:37	21L	A	FA50	N27GA		
Anon-1	2/9/2020 10:10	2/9/2020 10:05	21L	D	BE40	JTL73	NMS03	70
Anon-1	2/9/2020 10:16	2/9/2020 9:50	21L	D	G280	N270PC	NMS03	74.1
Yates	2/9/2020 20:36	2/9/2020 20:38	21L	A	G280	N280PC		
Philips	2/10/2020 11:16	2/10/2020 11:08	21L	D	F900	N25MX		
Evans	2/10/2020 11:29	2/10/2020 11:09	21R	D	BE36	N725WF	NMS03	71.9
Anon-1	2/10/2020 19:30	2/10/2020 19:29	21L	D	G150	N428JD		
Tyler	2/10/2020 21:59	2/10/2020 21:53	21L	D	AC50	CTL66	NMS03	72.8
Anon-1	2/10/2020 23:03	2/10/2020 23:24	21L	A	C68A	EJA511		

Davidian	2/11/2020 1:06	2/11/2020 1:02	03R	D	E545	N600CH		
Anon-1	2/11/2020 6:30	2/11/2020 6:24	21L	D	CL30	LXJ550	NMS03	79.2
Anon-1	2/11/2020 7:01	2/11/2020 6:56	21L	D	BE40	TMC487		
Nagel	2/11/2020 18:17	2/11/2020 18:24	21L	A	TBM7	N700AP		
Anon-1	2/12/2020 7:39	2/12/2020 7:14	16	D	UNKN	N2AQ		
Anon-1	2/12/2020 7:43	2/12/2020 7:38	21L	D	GLF3	N500GF		
Williams	2/13/2020 3:50	2/13/2020 3:43	21L	D	PC12	SKQ43		
Anon-1	2/13/2020 6:20	2/13/2020 6:16	21L	D	C56X	N343CC	NMS03	75.4
Anon-1	2/13/2020 7:44	2/13/2020 7:45	21L	A	E550	N183TS		
Anon-1	2/13/2020 10:44	2/13/2020 10:47	21L	A	FA50	N791CP		
Anon-1	2/13/2020 22:20	2/13/2020 22:13	03R	D	F2TH	N244C	NMS03	67.8
Anon-1	2/13/2020 22:53	2/13/2020 22:57	03R	A	G280	N270PC		
Anon-1	2/13/2020 23:49	2/13/2020 23:56	03R	A	SR20	N229DA		
Bullard	2/14/2020 0:10	2/14/2020 0:09	03R	A	E550	N288SF		
Anon-1	2/14/2020 0:51	2/14/2020 0:43	03R	D	AC50	CTL67		
Anon-1	2/14/2020 6:10	2/14/2020 6:03	03R	D	H25B	JTL58	NMS03	68.5
Schneeberg	2/14/2020 16:36	2/14/2020 16:37	34	A	UNKN	N12HX		
Anon-1	2/14/2020 23:09	2/14/2020 23:03	03R	D	FA50	N782RP		
Anon-1	2/15/2020 3:46	2/15/2020 3:45	UNK	D	UNKN	N684AE		
Anon-1	2/15/2020 3:46	2/15/2020 3:45	UNK	D	UNKN	N684AE		
Anon-1	2/15/2020 4:13	2/15/2020 4:07	03R	D	PC12	SKQ44		
Anon-1	2/15/2020 13:20	2/15/2020 13:10	03R	D	GLEX	N518DD		
Needle	2/15/2020 19:53	2/15/2020 19:56	21R	A	UNKN	N122AA		

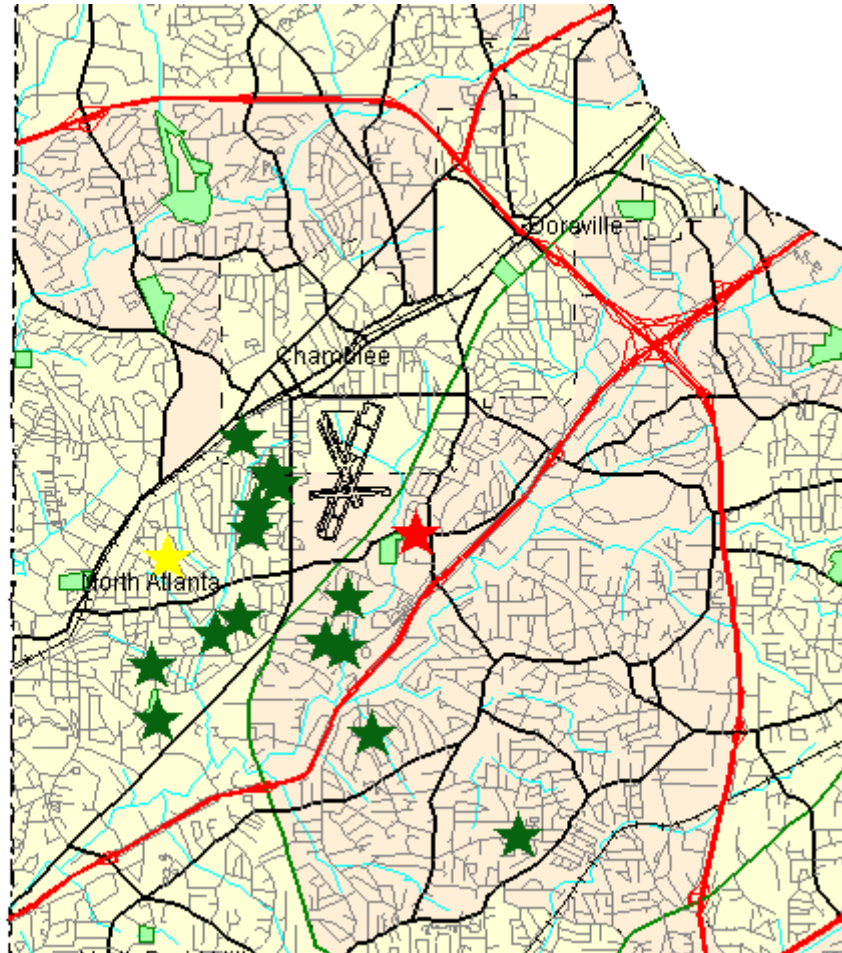
Moss	2/16/2020 1:31	2/16/2020 1:18	21L	A	CL30	LXJ588		
Anon-1	2/16/2020 7:36	2/16/2020 7:23	21L	D	PA46	N41827		
Anon-1	2/16/2020 7:39	2/16/2020 7:23	21L	D	PA46	N41827		
Anon-1	2/16/2020 18:35	2/16/2020 18:29	21L	D	FA50	N5322	NMS03	79.6
Anon-1	2/16/2020 23:11	2/16/2020 23:03	UNK	O	E190	N378TP		
Anon-1	2/17/2020 0:35							
Anon-1	2/17/2020 15:34	2/17/2020 15:33	21L	D	C208	N208HF		
Anon-1	2/17/2020 15:36	2/17/2020 15:33	21L	D	C208	N208HF		
Anon-1	2/17/2020 15:46	2/17/2020 15:42	21L	D	FA7X	N814TP	NMS03	82
Anon-1	2/17/2020 18:13	2/17/2020 18:10	21L	D	UNKN	GPD361	NMS03	71.3
Anon-1	2/18/2020 23:07	2/18/2020 23:22	21L	A	BE40	JTL480		
Anon-1	2/19/2020 0:03	2/19/2020 0:30	9R	A	E55P	UNKNOWN		
Anon-1	2/20/2020 3:04	2/20/2020 3:20	16	A	C208	N208LS		
Anon-1	2/20/2020 3:20	2/20/2020 3:20	16	A	C208	N208LS		
Anon-1	2/20/2020 23:19	2/20/2020 23:15	03R	T	C25B	N767XT		
Anon-1	2/21/2020 0:44	2/21/2020 0:43	03R	D	AC50	CTL67		
Schneeberg	2/21/2020 8:26	2/21/2020 8:00	16	T	UNKN	N2AQ	NMS02	72.5
Schneeberg	2/21/2020 16:37	2/21/2020 16:47	03L	A	UNKN	N229DA		
Anon-1	2/21/2020 22:38	2/21/2020 22:32	03R	D	GLF4	N290PS	NMS03	72.2
Anon-1	2/21/2020 22:50	2/21/2020 22:46	03R	D	BE20	CTE491		
Anon-1	2/21/2020 23:11	2/21/2020 22:56	03R	D	PC24	N156BW	NMS03	75.8
Anon-1	2/22/2020 2:28	2/22/2020 2:13	21L	A	PC12	N895CR		
Anon-1	2/22/2020 2:52	2/22/2020 2:55	03R	A	C208	N208LS		




Anon-1	2/22/2020 3:28	2/22/2020 3:29	21L	D	C208	N208LS	NMS03	74.9
Schneeberg	2/22/2020 10:33	2/22/2020 10:28	UNK	D	UNKN	N442JP		
Anon-1	2/22/2020 20:28	2/22/2020 20:39	21L	A	GLF4	N102BQ		
Anon-1	2/22/2020 23:06	2/22/2020 22:50	03R	D	F2TH	TWY20		
Anon-1	2/22/2020 23:16	2/22/2020 23:05	03R	D	P28R	N1342T		
Anon-1	2/22/2020 23:28	2/22/2020 23:29	21L	A	GLF4	DCM4212		
Anon-1	2/23/2020 1:56	2/23/2020 1:52	21L	D	GLF4	N102BQ	NMS03	76.4
Anon-1	2/23/2020 5:58	2/23/2020 5:52	21L	D	PC12	N895CR	NMS03	68.2
Anon-1	2/23/2020 6:38	2/23/2020 6:32	03R	D	C525	N525LX	NMS03	71.4
Schneeberg	2/23/2020 7:38	2/23/2020 7:13	03L	T	UNKN	N355D		
Yates	2/23/2020 8:48	2/23/2020 8:50	03R	D	C501	N999PW		
Terry	2/23/2020 20:35	2/23/2020 20:23	21R	D	BE36	N72108	NMS03	75.7
Yates	2/23/2020 20:57	2/23/2020 21:02	21R	A	PA46	N262CW		
Yates	2/24/2020 2:10	2/24/2020 2:20	9R	D	B748	UNKNOWN		
Hunnicut	2/24/2020 5:52	2/24/2020 5:41	21L	D	FA20	N81P		
Anon-1	2/24/2020 6:45	2/24/2020 6:54	21L	A	GLEX	LNx12MO		
Anon-1	2/25/2020 14:29	2/25/2020 14:31	21L	A	LJ75	N16PC		
Anon-1	2/25/2020 21:37	2/25/2020 21:38	21L	A	AC50	CTL66		
Anon-1	2/25/2020 21:37	2/25/2020 21:38	21L	A	AC50	CTL66		
Anon-1	2/25/2020 23:15	2/25/2020 23:14	21L	A	BE20	N585CE		
Anon-1	2/25/2020 23:27	2/25/2020 23:34	21L	A	TBM8	N850MK		
Anon-1	2/26/2020 3:59	2/26/2020 3:59	21L	D	C208	N208LS	NMS03	73.2
Anon-1	2/26/2020 6:25	2/26/2020 6:04	21L	D	C56X	DPJ413	NMS03	73.4

Anon-1	2/26/2020 7:10	2/26/2020 7:08	21L	D	GLF4	LXJ458		
Anon-1	2/26/2020 7:17	2/26/2020 7:21	21L	A	LJ60	N365KM		
Anon-1	2/26/2020 7:37	2/26/2020 7:28	21R	D	UNKN	N355D		
Anon-1	2/26/2020 11:24	2/26/2020 11:24	21L	D	H25B	N80PK	NMS03	85.3
Anon-1	2/26/2020 11:37	2/26/2020 11:43	UNK	A	UNKN	N166GS		
Anon-1	2/26/2020 11:44	2/26/2020 11:43	21L	D	C414	N999RK		
Anon-1	2/26/2020 12:07	2/26/2020 12:07	21L	D	GLF3	N330WR	NMS03	85.4
Schneeberg	2/26/2020 15:33	2/26/2020 15:30	UNK	D	UNKN	N46CL		
Anon-1	2/26/2020 22:36	2/26/2020 22:40	03R	A	GLF4	N56L		
Anon-1	2/27/2020 0:37	2/27/2020 0:33	03R	D	AC50	CTL67		
Anon-1	2/27/2020 2:52	2/27/2020 2:57	03R	A	C208	N208LS		
Anon-1	2/27/2020 5:01	2/27/2020 4:57	03R	D	PC12	LBQ875		
Anon-1	2/27/2020 5:10	2/27/2020 5:06	03R	D	UNKN	LBQ865		
Anon-1	2/27/2020 15:02	2/27/2020 15:02	34	T	UNKN	UNKNOWN		
Schneeberg	2/27/2020 16:48	2/27/2020 16:57	03L	A	UNKN	N238AR		
Anon-1	2/27/2020 18:31	2/27/2020 18:31	34	A	PC12	CNS1025		
Anon-1	2/27/2020 22:55	2/27/2020 22:53	03R	D	GLF4	N63NM	NMS03	68.3
Anon-1	2/28/2020 3:25	2/28/2020 3:25	UNK	A	C208	N208LS	NMS03	70.2
Anon-1	2/28/2020 6:30	2/28/2020 6:13	21L	D	E55P	N68TJ	NMS03	76.4
Anon-1	2/28/2020 12:17	2/28/2020 12:27	21L	A	UNKN	UNKNOWN		
Anon-1	2/28/2020 13:44	2/28/2020 13:46	21L	A	BE58	N1129W		
Anon-1	2/28/2020 16:08	2/28/2020 16:07	21L	A	C56X	EJA583		
Anon-1	2/28/2020 22:04	2/28/2020 22:11	34	A	UNKN	N122AA		

Anon-1	2/28/2020 22:28	2/28/2020 22:26	03R	D	GLF4	JNY200		
Anon-1	2/28/2020 22:57	2/28/2020 23:08	UNK	A	PC12	N988EC	NMS03	69.1
Anon-1	2/28/2020 23:00	2/28/2020 23:08	UNK	A	PC12	N988EC	NMS03	69.1
Anon-1	2/29/2020 22:00	2/29/2020 21:54	03R	D	G280	EJM618		
Anon-1	2/29/2020 22:12	2/29/2020 22:05	03R	D	PA34	N906MB		
Anon-1	2/29/2020 22:47	2/29/2020 22:40	21L	D	GLF5	N107AL	NMS03	77.1

Disturbance Location Pin Map – February 2020



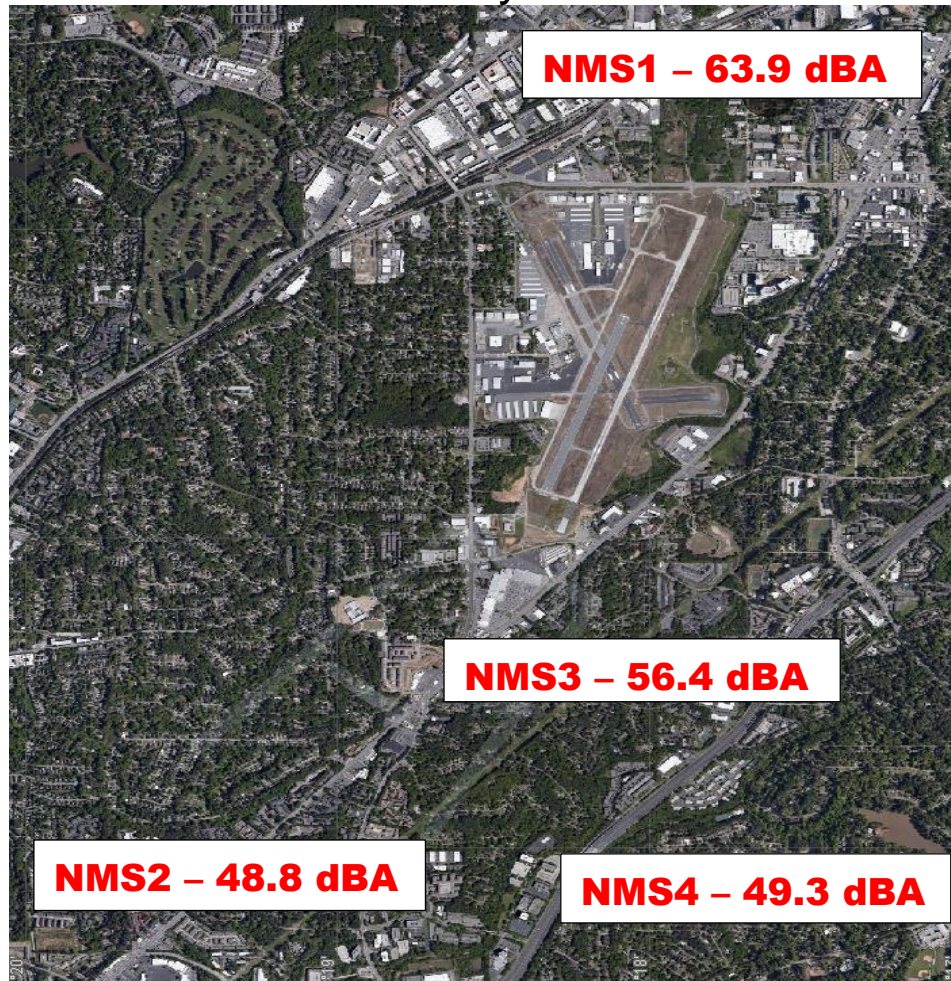
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

February 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 **279 (99.64%)** of the **280** operations during the voluntary curfew period (11PM-6AM) during the month of **February 2020**. Of the **279** identified operations, **166 (59.5%)** 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, **69 one-time** operations were conducted during this period.
- Out of the *identified* operations, **210 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:

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

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

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

Complaints received from operations conducted during the voluntary curfew period:

184 complaints were received during **February 2020**.

68 (37%) 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 2020 N#'s (Multi-Use):

20 Aircraft with 2 Operations (N179SF, N600CH, N541S, **N900PS**, N133PE, N859PL, **LBQ865**, N60612, 553LB, 617BZ, N102SW, **N119AE**, N767XT, **LBQ875**, N365GA, N305PL, N288SF, N905FJ)

4 Aircraft with 3 Operations (JTL480, **N423AE**, N131EA, N81P)

3 Aircraft with 4 Operations (**EMD28**, **CTE615**, N2AQ)

2 Aircraft with 5 Operations (**N525LX**, **N895CR**)

1 Aircraft with 8 Operations (N103AV)

1 Aircraft with 10 Operations (**N445CH**)

1 Aircraft with 12 Operations (**SKQ44**)

1 Aircraft with 17 Operations (**SKQ43**)

1 Aircraft with 40 Operations (**CTL67**)

1 Aircraft with 53 Operations (**N208LS**)

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

20 Aircraft with 2 Operations (N716LT, N553LB, **N895CR**, LXJ419, N690BB, **CTE615**, N805LC, N131EA, NEJA776, N244AT, **N56LW**, N32PA, N69PC, N355AE, N780GS, N385RM, N826AC, BKA771, N416AT, **EMD28**)

7 Aircraft with 3 Operations (N8HP, N16PC, **CTE491**, **N445CH**, N642WW, **N400WK**)

1 Aircraft with 27 Operations (**SKQ43**)

2 Aircraft with 4 Operations (**N377P**, N2AQ)

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

1 Aircraft with 6 Operations (N154JK)

1 Aircraft with 59 Operations (**N208L**)

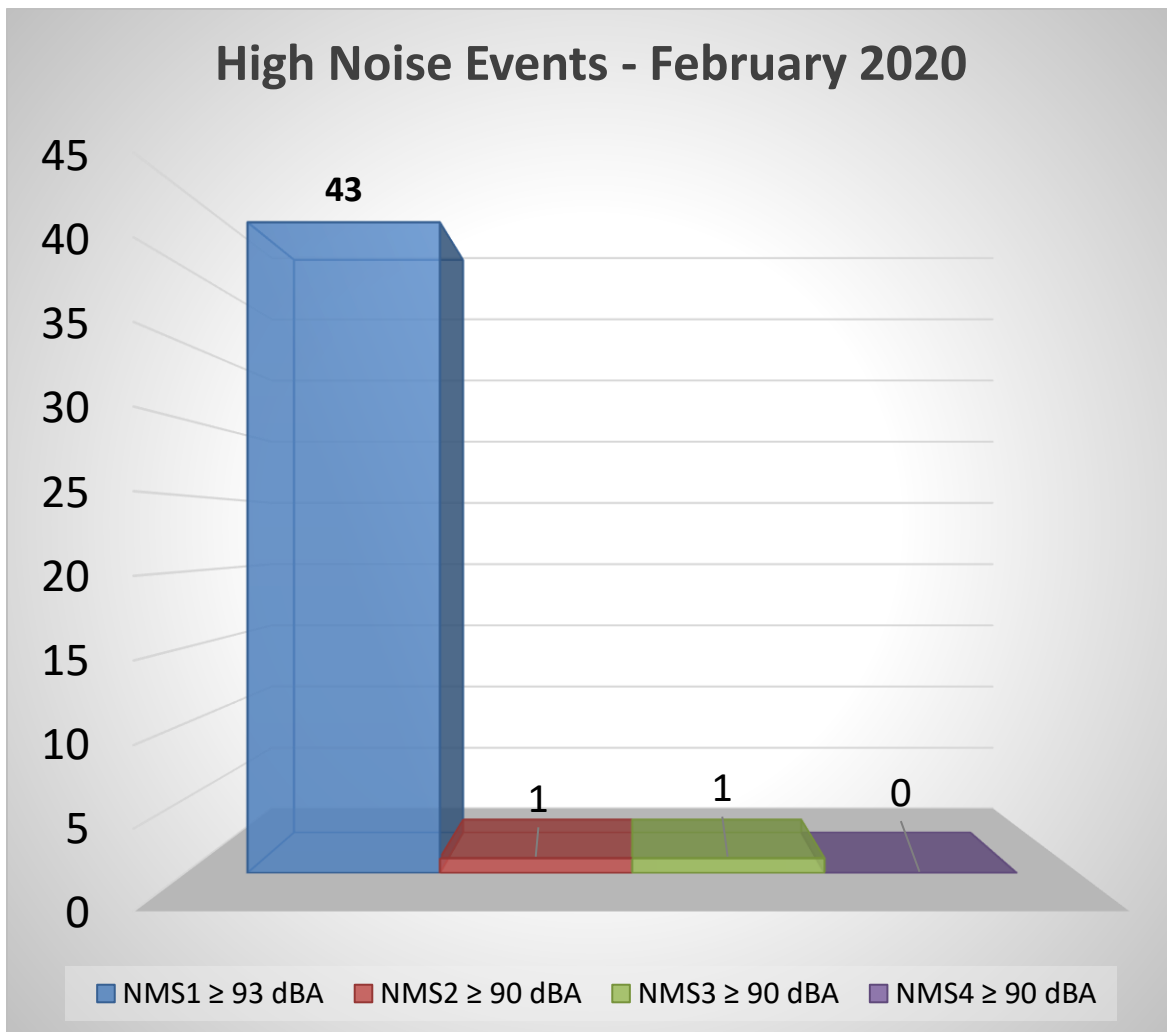
2 Aircraft with 7 Operations (N103AV, **N525LX**)

1 Aircraft with 14 Operations (**SKQ44**)

A total of **110** 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.

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



February 2020

37 Aircraft with 1 High Noise Event (N905FJ, N588CC, N434BZ, FNX1176, EJA653, GTH505, DCM1210, JTL118, N500GF, JTL73, EJA319, LXJ378, N8834M, N1097Z, UJC522, N116RW, N365EG, N129CJ, N450EF, N150TC, N568K, N183MS, N609MH, N228PG, N735XL, N741MM, N800EM, N262CW, N831VP, N26NJ, N900QC, N270PC, TMC450, N27GA, UJC523, CTL67, N351GC)

2 Aircraft with 2 High Noise Events (NJ725WF, N791CP)

1 Aircraft with 3 High Noise Events (N30WR)

1 Aircraft with 4 High Noise Events (CTL67)

1 Aircraft unknown

December 2019

63 Aircraft with 1 High Noise Event (N531MB, N791CP, N681GH, N220LE, N917MS, EDG84, N603A, N241DE, N740PC, DCM4068, N8343Y, HRC395, PVO752, N309CJ, N560TP, N31ST, N1360C, N327R, N6KE, CGPOP, N74TB, 32MJ, N80XX, JTL, 58, N880Z, N349SB, N964C, N375GK, N210CM, N3VF, N550DX, N405HR, N600LY, N40PC, N604XT, N414K, N64892, N426JN, N685BC, LXJ550, N173PA, N442GJ, N74825, TMC460, N7664F, BKA771, N79SE, N103AV, N826LJ, N490JC, N860CR, N10RU, N900QC, DPJ753, N958HC, N4QN, N200WL, N122AA, TMC450, N500GF, N502TN, N444QC, N445QS)


13 Aircraft with 2 High Noise Events (N469ES, JTL480, N49KW, N224FD, N428JD, N500FZ, N499PA, EJA599, DCM4212, N979CM, N73924, N304PC, N329GS)

4 Aircraft with 3 High Noise Events (N330WR, N62MV, N116RW, N27GA)

2 Aircraft Unknown

Comments/Concerns?

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



Monthly Noise & Operations Report January 2020

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

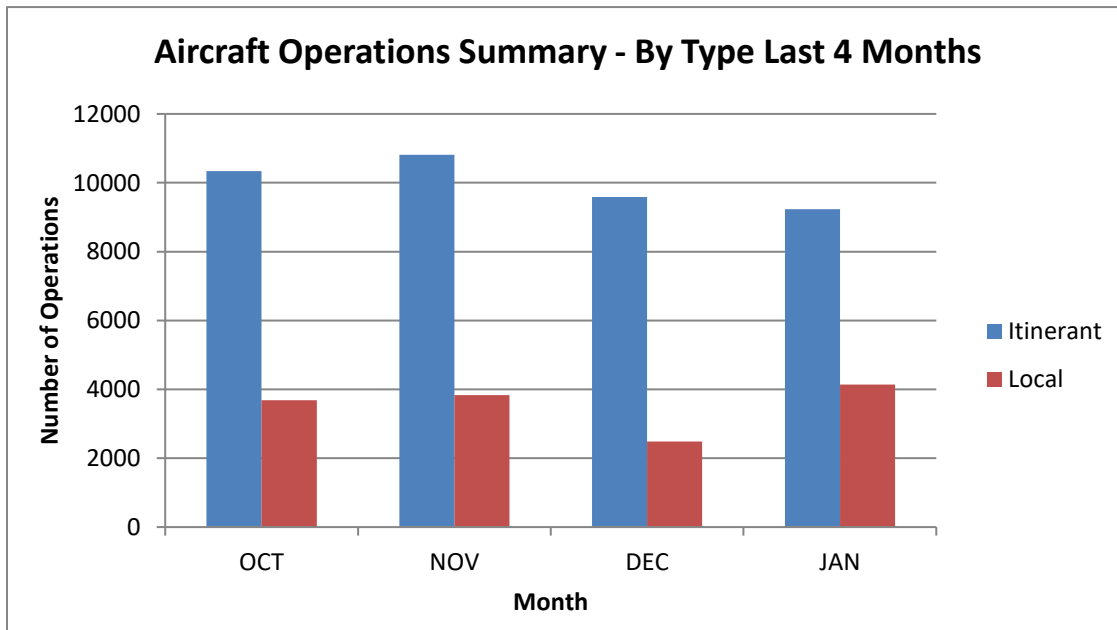
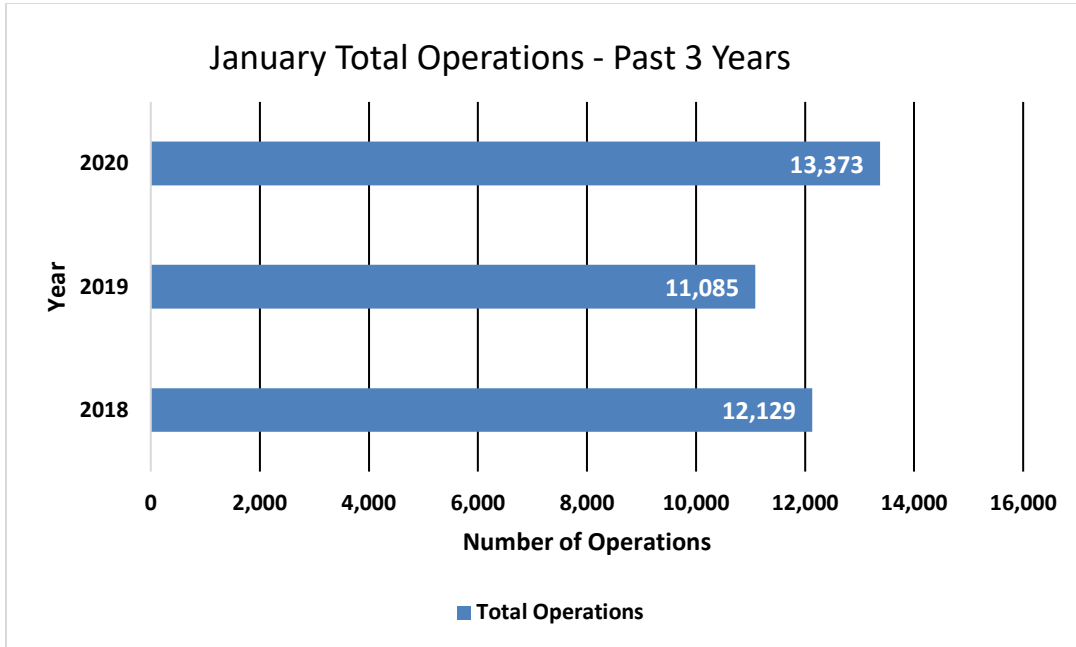
January 2020 Aircraft Operations:

	This Month	This Month, Last Year (January 2019)	% Change from January 2019	5-Year Average for Month
Total Operations	13,373	11,085	20.64%	11,812
Itinerant	9,231	8,151	13.25%	8,763
Local	4,142	2,934	41.17%	3,049
Voluntary Curfew Ops	311	301	3.32%	311
Prior Authorization	175	(19) Noise disturbance calls associated with these flights. (5) 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 2020 Aircraft Operations Summary



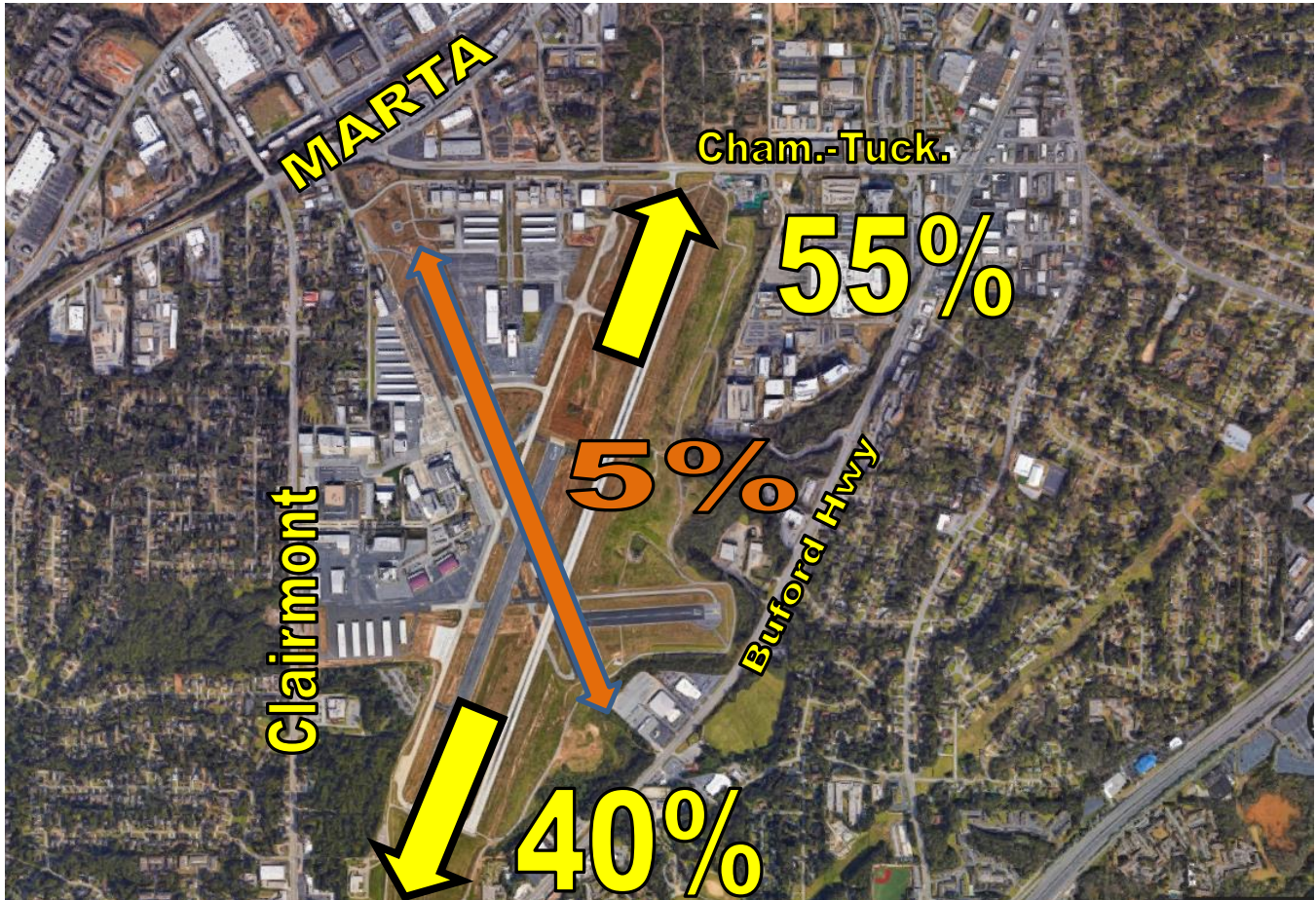
2019 Total Operations	2019 Total Operations as of Jan 2019	Total 2020 Ops as of Jan 2020
161,367	11,085	13,373 (20.64%)

2020 Operations by Month

	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
JAN	9,231	4,142	13,373	311
FEB				
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

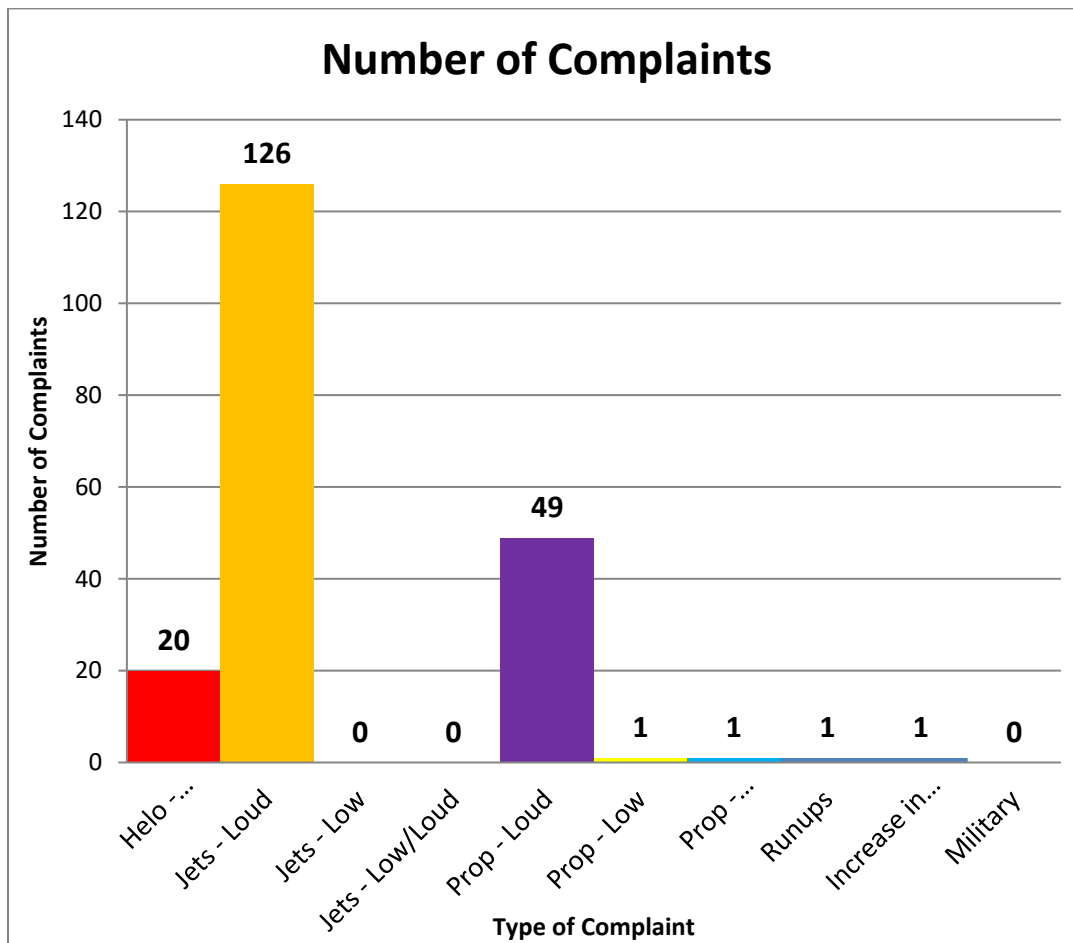
Runway Mode of Operations – January 2020

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.

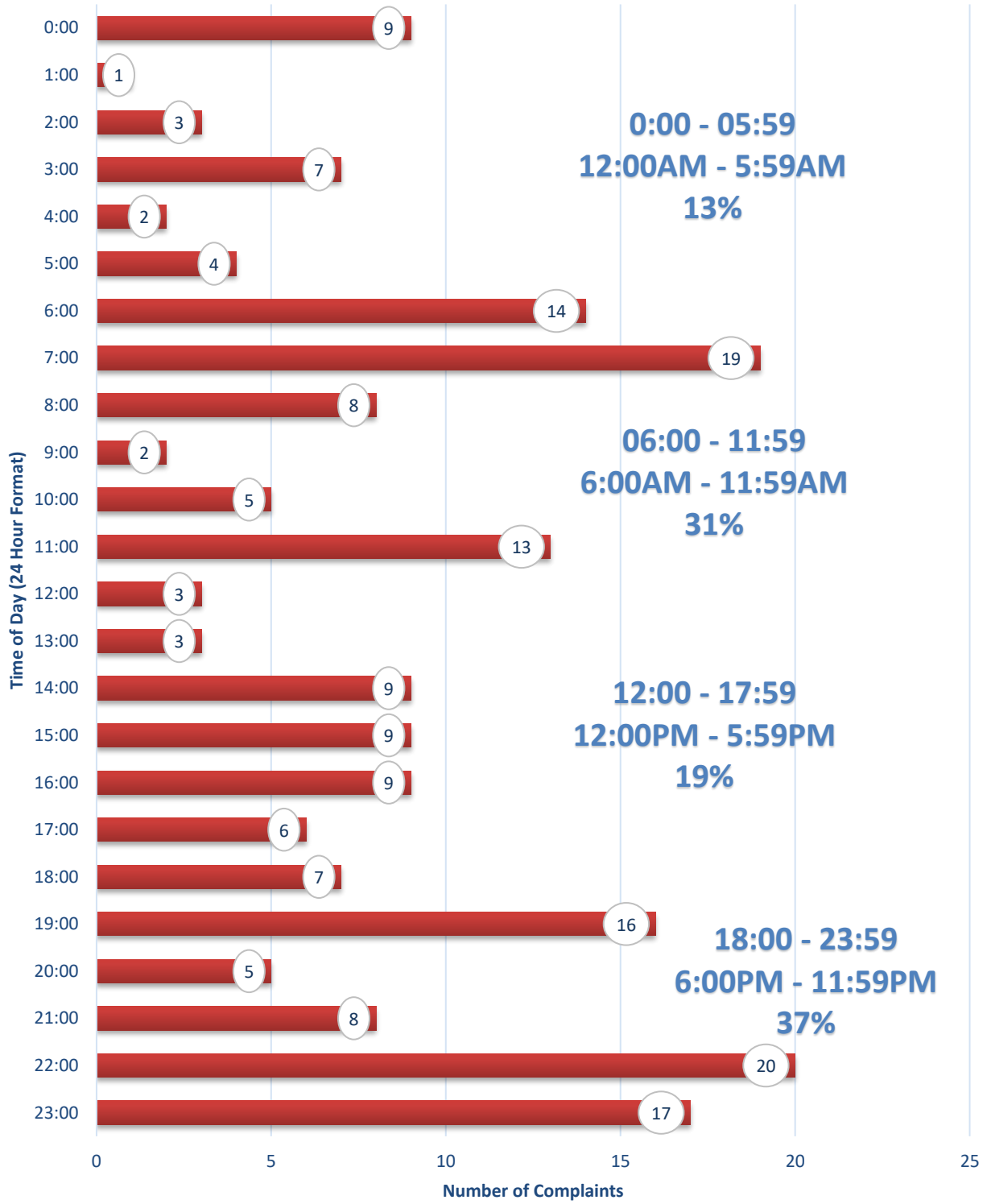


Noise Disturbance Summary

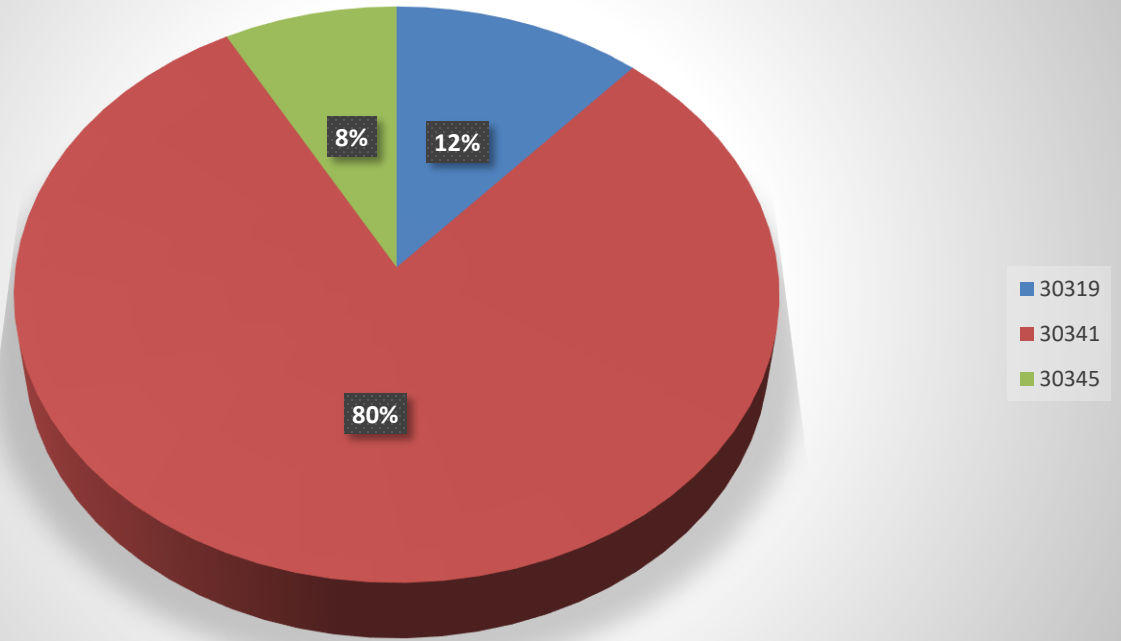
Total complaints for January 2020	Monthly Complaint Average 2020	January 2020 Complaints per Household <i>(minus top two/Households)</i>	January 2020 Complaints per Household <i>All Inclusive</i>
199	199	3.2	15.3



Number of Complaints by Hour



Complaints by Zip Code

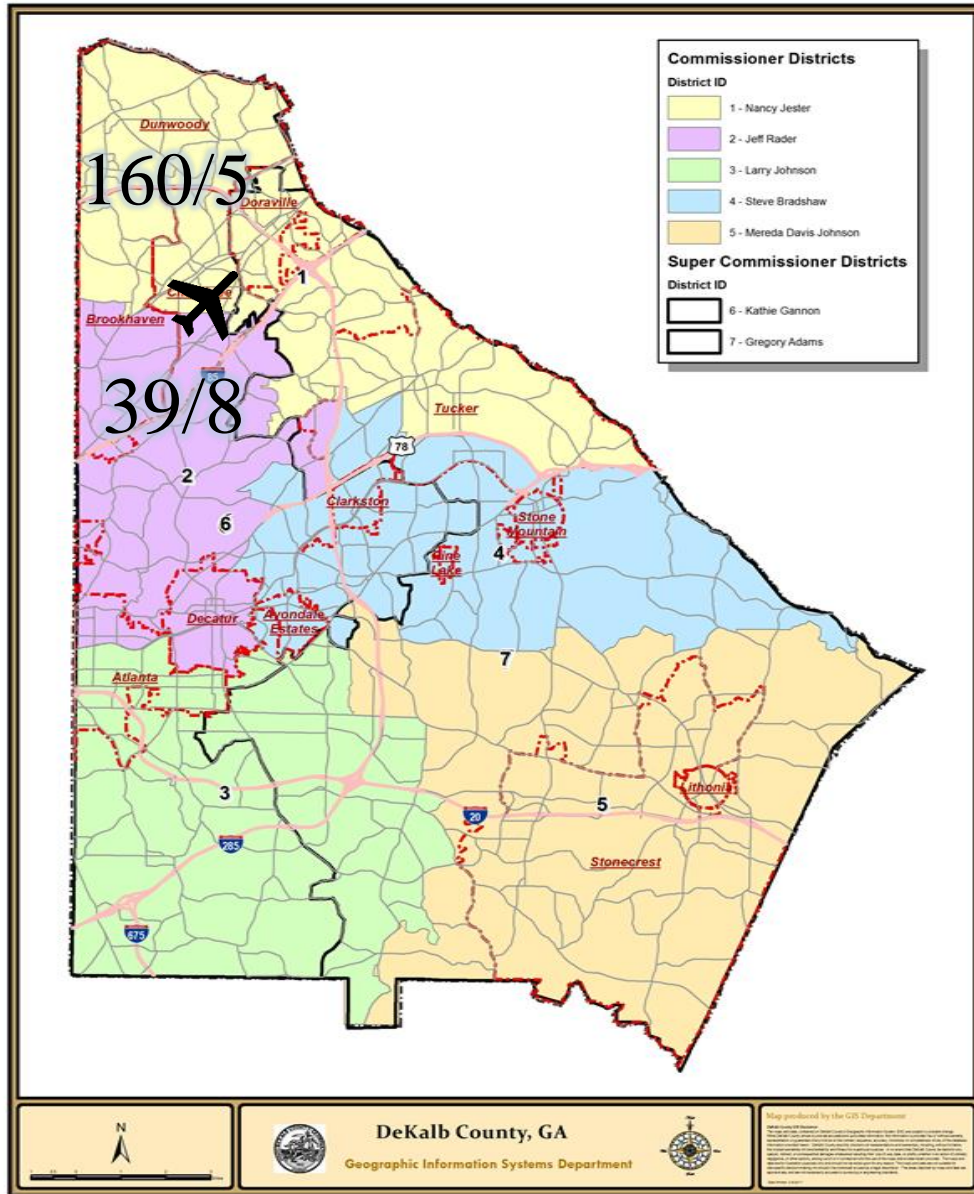


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	12%
30341	Chamblee - North	80%
30345	Chamblee - South	8%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	9
Graap	2221 Marann Dr NE	Chamblee	30345	1
Anon -1	Dresden Dr	Atlanta	30341	151
Yates	1889 9th Street	Chamblee	30341	5
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Moss	2360 Drew Valley Rd NE	Atlanta	30319	7
Anon - 2	Hickory Rd	Chamblee	30341	1
Terry	2652 Cove Circle NE	Atlanta	30319	5
Lennon	1802 Tobey Road	Atlanta	30341	2
Penn	3039 Skyland Dr NE	Chamblee	30341	1
Anon - 2	Cotswold Drive NE	Brookhaven	30319	2
Evans	2536 Woodacres Rd NE	Atlanta	30345	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	13

Complaints per Commission District



160/5
39/8

Total Number of Complaints

Total Number of Complainants




199/

13

There were 0 complainant(s) outside of DeKalb County 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 **198 (99.5%)** out of **199** complaints:

- **193 or 96.9%** of the noise complaints were found to be **Direct** correlations
- **5 or 2.6 %** were **Indirect** correlations to operations
- **1 or 0.5%** 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: pdknoise@dekalbcountyga.gov

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon - 1	1/1/2020 20:56	1/1/2020 21:00	21L	A	BE40	N848C	NMS01	87.2
Philips	1/2/2020 8:16	1/2/2020 8:11	21L	D	E55P	JTL161	NMS03	81
Anon - 1	1/2/2020 11:17	1/2/2020 11:22	21L	A	AEST	CSJ92	NMS01	89.1
Philips	1/2/2020 21:26	1/2/2020 21:22	21L	D	CL30	LXJ571	NMS03	77.8
Anon - 1	1/4/2020 7:21	1/4/2020 7:15	21L	D	E545	LXJ421		
Hunnicut	1/4/2020 7:21	1/4/2020 7:19	21L	D	F900	N116RW		
Anon - 1	1/4/2020 11:05	1/4/2020 11:01	21L	D	BE40	JTL73	NMS03	73.8
Philips	1/4/2020 12:51	1/4/2020 12:46	21L	D	GLF5	N933H	NMS03	79.9
Philips	1/4/2020 17:06	1/4/2020 17:06	UNK	D	C650	N541S		
Philips	1/4/2020 17:07	1/4/2020 17:04	21L	D	GLF5	N933H	NMS03	83.4
Anon - 1	1/4/2020 18:22	1/4/2020 18:22	34	A	P28A	N32355		
Anon - 1	1/4/2020 20:21	1/4/2020 20:24	34	A	C210	CGPLS		
Anon - 1	1/5/2020 19:09	1/5/2020 19:11	21L	T	GLF4	EJM444	NMS01	87.7
Anon - 1	1/5/2020 20:40	1/5/2020 20:45	21L	A	GLF4	JNY297		
Schneeberg	1/6/2020 13:05	1/6/2020 13:05	03L	A	UNKN	N418BC		
Schneeberg	1/6/2020 13:12	1/6/2020 13:13	03L	A	UNKN	N206TJ		
Philips	1/6/2020 16:00	1/6/2020 15:51	21L	D	J328	UJC851	NMS03	73.9
Yates	1/6/2020 16:09	1/6/2020 16:08	21L	D	CL30	FWK945	NMS03	79.1
Anon - 1	1/6/2020 21:41	1/6/2020 21:47	21L	A	GL5T	XOJ505	NMS01	83.8
Philips	1/7/2020 8:44	1/7/2020 8:44	21L	D	UNKN	UNKNOWN	NMS03	81
Anon - 1	1/7/2020 10:36	1/7/2020 10:27	21L	D	GL5T	XOJ505	NMS01	67.9
Anon - 1	1/7/2020 22:28	1/7/2020 22:23	UNK	O	SR22	N121BR		
Anon - 1	1/8/2020 7:15	1/8/2020 6:52	03R	D	G280	N280PC	NMS01	77.3
Anon - 1	1/8/2020 18:24	1/8/2020 18:34	21L	A	C68A	DCM6072	NMS01	81.7

Anon - 1	1/8/2020 19:07	1/8/2020 19:02	UNK	O	BE58	LBQ850		
Anon - 1	1/8/2020 19:10	1/8/2020 18:58	03R	D	UNKN	N407FC	NMS01	73.1
Anon - 1	1/8/2020 19:19	1/8/2020 18:53	03R	D	GLF4	DCM2467		
Anon - 1	1/8/2020 21:54	1/8/2020 21:48	03R	D	AC50	CTL66	NMS01	74.3
Anon - 1	1/8/2020 22:04	1/8/2020 22:02	03R	D	BE40	JTL215	NMS01	92.5
Anon - 1	1/8/2020 22:10	1/8/2020 22:08	03R	D	GLEK	N683GA	NMS01	91.6
Anon - 1	1/8/2020 22:45	1/8/2020 22:37	03R	D	UNKN	N13RK		
Lennon	1/8/2020 22:53	1/8/2020 22:39	03L	D	PA32	N43796		
Anon - 1	1/8/2020 22:57	1/8/2020 22:39	03L	D	PA32	N43796	NMS01	73
Lennon	1/8/2020 22:57	1/8/2020 22:39	03L	D	PA32	N43796		
Anon - 1	1/8/2020 23:01	1/8/2020 22:54	03L	D	C172	N310FS		
Anon - 1	1/8/2020 23:08	1/8/2020 22:54	03L	D	C172	N310FS		
Anon - 1	1/8/2020 23:13	1/8/2020 23:07	03R	D	BE9L	N377P	NMS01	79
Terry	1/9/2020 2:04	1/9/2020 2:11	03R	A	C208	N208LS	NMS03	74.5
Anon - 1	1/9/2020 2:27	1/9/2020 2:13	21L	D	C208	N208LS		
Anon - 1	1/9/2020 3:20	1/9/2020 3:24	03R	A	PC12	SKQ43		
Anon - 1	1/9/2020 3:58	1/9/2020 3:52	21L	D	PC12	SKQ43		
Anon - 1	1/9/2020 4:06	1/9/2020 4:03	21L	D	BE9L	N377P		
Yates	1/9/2020 5:22	1/9/2020 5:21	03R	D	BE20	N503GF		
Anon - 1	1/9/2020 14:27	1/9/2020 14:18	21L	D	C56X	N600BS		
Evans	1/9/2020 16:27	1/9/2020 16:22	21L	D	C414	N500AA	NMS03	78.6
Schneeberg	1/10/2020 16:14	1/10/2020 16:30	03L	A	UNKN	N229DA		
Yates	1/10/2020 23:17	1/10/2020 22:53	16	A	HELO	N102SW		
Terry	1/12/2020 11:08	1/12/2020 11:06	21R	T	UNKN	N9298S	NMS03	69.3
Terry	1/12/2020 11:11	1/12/2020 11:06	21R	T	UNKN	N9298S	NMS03	69.3
Terry	1/12/2020 11:13	1/12/2020 11:12	21R	T	UNKN	N57FM		

Terry	1/12/2020 14:16	1/12/2020 14:10	UNK	A	FA50	N5322		
Philips	1/12/2020 14:49	1/12/2020 14:48	21L	D	FA50	N5322	NMS03	82.9
Yates	1/12/2020 19:38	1/12/2020 19:37	21L	D	BE20	CTE491	NMS03	75.1
Anon - 1	1/14/2020 13:54	1/14/2020 13:54	21L	D	CL30	LXJ586		
Anon - 1	1/14/2020 19:08	1/14/2020 19:07	21L	A	GLF5	EJM80	NMS01	84.5
Anon - 1	1/14/2020 19:56	1/14/2020 19:55	21L	A	GLF4	N2129	NMS01	88.2
Anon - 1	1/14/2020 23:14	1/14/2020 23:13	21L	A	GLF5	N132SD	NMS01	84.8
Anon - 1	1/15/2020 0:13	1/15/2020 0:07	21L	A	AC50	CTL67		
Anon - 1	1/15/2020 5:55	1/15/2020 5:54	03R	D	ASTR	N327GA	NMS01	93.6
Anon - 1	1/15/2020 6:56	1/15/2020 6:56	21L	D	CL35	EJA782		
Anon - 1	1/15/2020 6:56	1/15/2020 6:56	21L	D	CL35	EJA782		
Anon - 1	1/15/2020 7:21	1/15/2020 7:22	UNK	D	HELO	N2AQ		
Anon - 1	1/15/2020 7:40	1/15/2020 7:40	21L	D	FA50	N791CP	NMS01	79.9
Anon - 1	1/15/2020 8:15	1/15/2020 8:08	21L	A	J328	UJC850	NMS01	87
Anon - 1	1/15/2020 10:50	1/15/2020 10:42	UNK	O	UNKN	UNKNOWN	NMS03	76
Philips	1/15/2020 19:46	1/15/2020 19:45	21L	D	GLF4	DCM2467	NMS03	73.2
Philips	1/16/2020 0:03	1/16/2020 0:03	21L	D	FA8X	N60SN	NMS03	86.9
Graap	1/16/2020 0:04	1/16/2020 0:03	21L	D	FA8X	N60SN	NMS04	75.8
Anon - 1	1/16/2020 0:25	1/16/2020 0:25	21L	D	LJ60	FTD508	NMS03	74.6
Anon - 1	1/16/2020 7:55	1/16/2020 7:55	21L	D	E550	N183TS	NMS03	76.5
Anon - 1	1/16/2020 11:02	1/16/2020 11:05	03R	D	C56X	JTL560		
Anon - 1	1/16/2020 11:18	1/16/2020 11:16	03R	T	UNKN	N43HX		
Anon - 1	1/16/2020 12:09	1/16/2020 12:14	34	A	UNKN	N94EM		

Anon - 1	1/16/2020 19:16	1/16/2020 19:16	03R	D	E55P	EJA406		
Anon - 1	1/16/2020 23:21	1/16/2020 23:22	UNK	A	HELO	N332AM		
Anon - 1	1/16/2020 23:21	1/16/2020 23:22	UNK	A	HELO	N332AM		
Anon - 1	1/17/2020 7:13	1/17/2020 7:13	03R	D	GLF5	N599H		
Anon - 1	1/17/2020 18:26	1/17/2020 18:27	03R	A	C56X	DPJ536		
Schneeberg	1/17/2020 21:30	1/17/2020 21:31	UNK	A	AC50	CTL66		
Anon - 1	1/17/2020 23:03	1/17/2020 23:03	03R	D	UNKN	N805LC		
Anon - 3	1/18/2020 7:29	1/18/2020 7:29	UNK	D	BE36	N435JM	NMS02	71.4
Moss	1/18/2020 7:30	1/18/2020 7:29	UNK	D	BE36	N435JM	NMS02	71.4
Anon - 1	1/18/2020 11:50	1/18/2020 11:49	21L	D	C560	N777WY	NMS03	76.7
Anon - 1	1/18/2020 23:28	1/18/2020 23:28	21L	D	C525	OLV252	NMS03	76.7
Anon - 1	1/19/2020 1:47	1/19/2020 1:47	21L	A	CL60	N70X		
Anon - 1	1/19/2020 5:47	1/19/2020 5:47	03R	D	C25B	N95TX		
Anon - 1	1/19/2020 6:40	1/19/2020 6:40	03R	D	GLF5	N102DZ		
Anon - 1	1/19/2020 22:21	1/19/2020 22:21	03R	A	BE40	N362EA		
Philips	1/20/2020 11:26	1/20/2020 11:29	03R	A	PC12	N125LE	NMS03	76.9
Anon - 1	1/20/2020 11:47	1/20/2020 11:42	03R	D	BE40	JTL73		
Anon - 1	1/20/2020 14:29	1/20/2020 14:32	34	A	PC12	N401SM		
Anon - 1	1/20/2020 14:36	1/20/2020 14:39	03R	A	GL5T	CGBRK	NMS03	67.8
Anon - 1	1/20/2020 15:50	1/20/2020 15:43	03R	D	GLF4	DCM4212		
Anon - 1	1/20/2020 16:26	1/20/2020 16:29	03R	A	M20T	N872M		
Anon - 1	1/20/2020 17:14	1/20/2020 17:20	03L	A	UNKN	N161GT		
Anon - 1	1/21/2020 10:08	1/21/2020 9:46	03R	D	GL5T	XOJ505		

Anon - 1	1/21/2020 10:17	1/21/2020 10:17	UNK	O	BE30	FLC66		
Schneeberg	1/21/2020 11:44	1/21/2020 11:30	03L	D	UNKN	N109TJ		
Anon - 1	1/21/2020 15:17	1/21/2020 15:10	03R	D	GLF3	N500GF	NMS03	73.7
Anon - 1	1/21/2020 17:17	1/21/2020 17:07	03R	D	E55P	LXJ381		
Anon - 1	1/21/2020 19:09	1/21/2020 19:09	34	A	PA28	N7664F		
Anon - 1	1/21/2020 21:03	1/21/2020 21:01	03R	D	UNKN	N428JD		
Anon - 1	1/22/2020 7:04	1/22/2020 7:01	21L	D	LJ31	BKA771	NMS03	69.4
Anon - 3	1/22/2020 20:30	1/22/2020 20:16	UNK	O	P28A	N43700		
Moss	1/22/2020 22:55	1/22/2020 22:51	21L	D	PA31	N578TC		
Anon - 1	1/22/2020 23:00	1/22/2020 22:51	21L	D	PA31	N578TC	NMS03	75.6
Anon - 1	1/24/2020 8:02	1/24/2020 8:02	21L	D	GLF5	N505GF	NMS03	71.9
Anon - 1	1/24/2020 19:00	1/24/2020 18:53	21L	D	UNKN	UNKNOWN		
Anon - 1	1/25/2020 7:14	1/25/2020 7:08	21R	D	BE33	N1506Z	NMS03	81.7
Anon - 1	1/25/2020 7:48	1/25/2020 7:44	21L	D	C25B	N162EC		
Anon - 1	1/25/2020 7:48	1/25/2020 7:44	21L	D	C25B	N162EC		
Anon - 1	1/25/2020 7:53	1/25/2020 7:45	21L	D	C25B	DJR213	NMS03	76.8
Anon - 1	1/25/2020 8:09	1/25/2020 8:06	21L	D	ASTR	N928JA	NMS03	82
Anon - 1	1/25/2020 8:09	1/25/2020 8:06	21L	D	ASTR	N928JA	NMS03	82
Anon - 2	1/25/2020 19:18	1/25/2020 19:07	UNK	D	HELO	N122AA	NMS01	68.6
Anon - 1	1/25/2020 21:42	1/25/2020 21:41	03R	D	BE40	JCM44		
Anon - 1	1/25/2020 22:58	1/25/2020 23:02	03R	A	H25B	N488AM		
Anon - 1	1/26/2020 6:13	1/26/2020 6:10	03R	D	G150	N428JD	NMS03	67.1
Anon - 1	1/26/2020 6:27	1/26/2020 6:32	21L	A	B350	N327R	NMS03	69

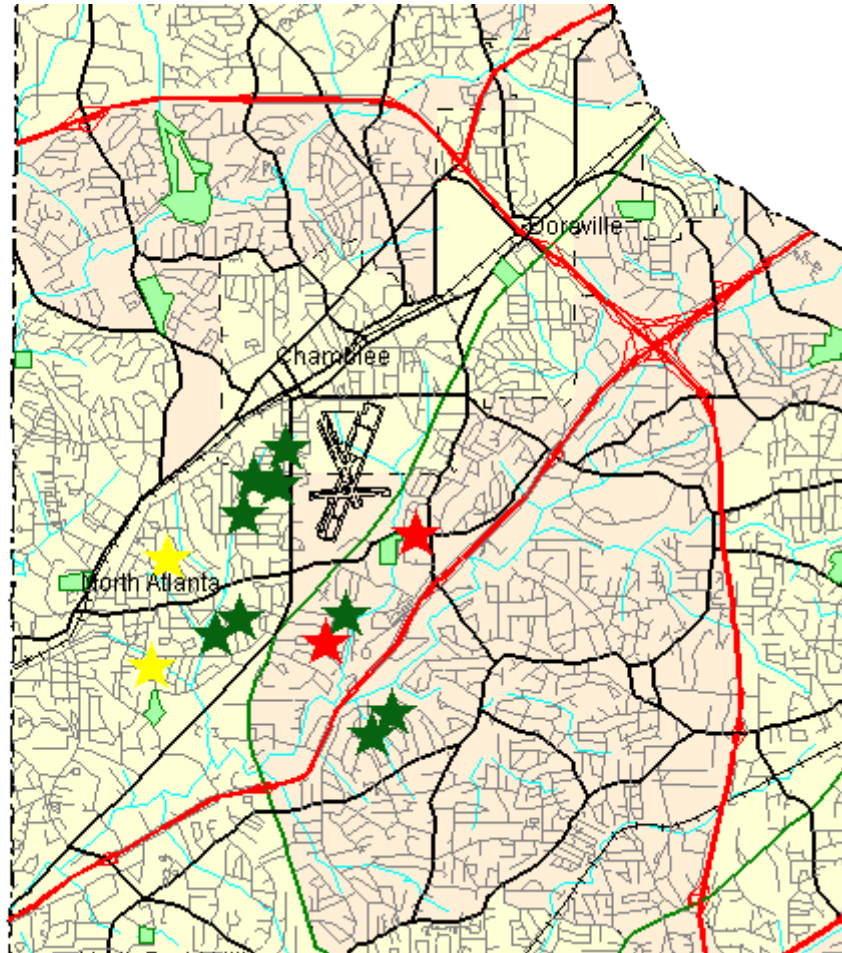
Anon - 1	1/26/2020 6:31	1/26/2020 6:32	21L	A	B350	N327R	NMS03	69
Anon - 1	1/26/2020 6:49	1/26/2020 6:25	03R	D	PA28	N103AV		
Anon - 1	1/26/2020 6:57	1/26/2020 7:06	21L	D	B350	N327R	NMS03	72
Anon - 1	1/26/2020 9:52	1/26/2020 9:52	21L	A	C25B	N757PC		
Anon - 1	1/26/2020 14:12	1/26/2020 14:22	21R	A	PA32	N15494		
Anon - 1	1/26/2020 14:38	1/26/2020 14:40	21R	A	SR20	N39MB		
Schneeberg	1/26/2020 14:58	1/26/2020 14:56	UNK	T	UNKN	N608HR		
Schneeberg	1/26/2020 15:03	1/26/2020 14:56	UNK	T	UNKN	N608HR		
Schneeberg	1/26/2020 15:40	1/26/2020 15:45	UNK	A	BE36	N1072F		
Schneeberg	1/26/2020 16:59	1/26/2020 17:02	21R	D	UNKN	N4106S		
Anon - 1	1/26/2020 18:11	1/26/2020 18:05	21L	D	GLF3	N330WR	NMS03	70.3
Anon - 1	1/26/2020 19:04	1/26/2020 18:59	21L	D	UNKN	N300BD	NMS03	71.4
Anon - 1	1/26/2020 22:15	1/26/2020 22:28	21L	A	E55P	LXJ349		
Anon - 1	1/26/2020 22:55	1/26/2020 22:57	21L	A	GLF5	N11GW		
Penn	1/27/2020 0:47	1/27/2020 0:34	26L	D	LJ31	UNKNOWN		
Anon - 1	1/27/2020 6:20	1/27/2020 6:15	03R	D	C56X	N735XL		
Anon - 1	1/27/2020 6:58	1/27/2020 6:50	21L	D	C56X	N343CC	NMS03	72.7
Anon - 1	1/27/2020 7:21	1/27/2020 7:09	21L	D	G280	N270PC	NMS03	79.8
Anon - 1	1/27/2020 9:33	1/27/2020 9:27	21L	D	C56X	EJA617		
Anon - 1	1/27/2020 10:14	1/27/2020 9:46	21L	D	ASTR	N327GA	NMS03	72.9
Anon - 1	1/27/2020 11:46	1/27/2020 11:49	21L	A	FA50	N291FJ	NMS03	71.1
Anon - 1	1/27/2020 12:00	1/27/2020 11:55	21L	D	FA50	N291FJ	NMS03	80.1
Anon - 1	1/27/2020 15:00	1/27/2020 14:59	21L	D	C25C	N74TB	NMS03	74.2




Anon - 1	1/27/2020 15:22	1/27/2020 15:12	21L	D	BE20	N196SC		
Anon - 1	1/27/2020 15:50	1/27/2020 15:57	21L	A	CL30	N773RC		
Anon - 1	1/27/2020 16:23	1/27/2020 16:16	21L	D	BE40	TMC489	NMS03	70.3
Anon - 1	1/27/2020 17:11	1/27/2020 17:05	21L	D	GLF4	N371FP		
Anon - 1	1/27/2020 17:19	1/27/2020 17:08	21L	D	E55P	EJA409	NMS03	76.2
Philips	1/27/2020 18:41	1/27/2020 18:39	21L	D	H25B	N488AM	NMS03	83.5
Anon - 1	1/27/2020 19:03	1/27/2020 18:59	21L	D	FA50	N291FJ	NMS03	77.4
Anon - 1	1/27/2020 19:46	1/27/2020 19:43	21L	D	GLF4	TWY4	NMS03	85.6
Anon - 1	1/27/2020 21:26	1/27/2020 21:20	21L	D	C525	OLV252	NMS03	78.1
Anon - 1	1/27/2020 22:12	1/27/2020 22:16	21L	A	C750	XOJ789		
Anon - 1	1/27/2020 22:43	1/27/2020 22:48	03L	A	UNKN	N649AE	NMS03	72.8
Anon - 1	1/27/2020 22:53	1/27/2020 22:54	21L	A	GL5T	N723AB	NMS03	71.3
Anon - 1	1/27/2020 23:18	1/27/2020 23:16	16	D	UNKN	N649AE		
Anon - 1	1/27/2020 23:19	1/27/2020 23:16	16	D	UNKN	N649AE		
Anon - 1	1/27/2020 23:21	1/27/2020 23:16	16	D	UNKN	N649AE		
Anon - 1	1/27/2020 23:32	1/27/2020 23:28	03R	D	GL5T	N723AB	NMS03	69.5
Anon - 1	1/28/2020 6:45	1/28/2020 6:41	03R	D	GLF4	DCM4212	NMS03	72.7
Anon - 1	1/28/2020 8:01	1/28/2020 8:04	03R	A	E135	UJC850	NMS03	80.3
Anon - 1	1/28/2020 15:25	1/28/2020 15:25	UNK	A	LJ75	N40PC	NMS03	66.7
Anon - 1	1/28/2020 15:34	1/28/2020 15:40	03R	A	MN2	N361MA		
Anon - 1	1/28/2020 16:09	1/28/2020 16:10	03R	D	BE36	N7102R		
Anon - 1	1/28/2020 16:20	1/28/2020 16:22	03R	A	SR22	N553LB		
Anon - 1	1/28/2020 22:51	1/28/2020 22:47	03R	D	CL35	EJA769	NMS03	77.1

Anon - 1	1/28/2020 22:59	1/28/2020 22:53	03R	D	GLF6	N200ES		
Anon - 1	1/28/2020 23:00	1/28/2020 22:53	03R	D	GLF6	N200ES		
Anon - 1	1/29/2020 0:07	1/29/2020 0:06	03R	A	AC50	CTL67		
Anon - 1	1/29/2020 0:09	1/29/2020 0:06	03R	A	AC50	CTL67		
Anon - 1	1/29/2020 0:43	1/29/2020 0:41	03R	D	AC50	CTL67		
Anon - 1	1/29/2020 5:44	1/29/2020 5:41	21L	D	SR22	N107TQ	NMS03	77.7
Anon - 1	1/29/2020 6:37	1/29/2020 6:12	03R	D	E55P	EJA325	NMS03	77.2
Anon - 1	1/29/2020 14:12	1/29/2020 14:14	UNK	A	UNKN	N76PC		
Anon - 1	1/29/2020 20:04	1/29/2020 20:12	03R	A	PC12	CNS2	NMS03	69.8
Anon - 1	1/29/2020 21:08	1/29/2020 21:04	03R	D	C560	N939TW	NMS03	76.9
Anon - 1	1/29/2020 22:06	1/29/2020 22:22	21L	A	UNKN	N717NC		
Anon - 1	1/29/2020 22:18	1/29/2020 22:22	21L	A	UNKN	N717NC		
Anon - 1	1/29/2020 23:50							
Anon - 1	1/30/2020 0:45	1/30/2020 0:43	03R	D	AC50	CTL67		
Anon - 1	1/30/2020 3:11	1/30/2020 3:11	21L	A	C208	N208LS		
Anon - 1	1/30/2020 6:21	1/30/2020 6:12	03R	D	SR22	N107TQ		
Anon - 1	1/30/2020 7:01	1/30/2020 6:57	03R	D	C25B	N386SF	NMS03	74.3
Anon - 1	1/30/2020 7:44	1/30/2020 7:38	16	D	UNKN	N41HX		
Anon - 1	1/30/2020 8:25	1/30/2020 8:12	03L	D	UNKN	N81771		
Anon - 1	1/30/2020 11:40	1/30/2020 11:41	03L	T	UNKN	N9298S		
Anon - 1	1/30/2020 22:28	1/30/2020 22:21	03R	D	GLF5	N79MA		
Anon - 1	1/30/2020 23:00	1/30/2020 23:11	03L	A	UNKN	N103AV		
Moss	1/31/2020 2:50	1/31/2020 2:42	21L	D	C208	N208LS		

Moss	1/31/2020 3:07	1/31/2020 3:11	03R	A	PC12	SKQ43		
Moss	1/31/2020 3:09	1/31/2020 3:11	03R	A	PC12	SKQ43		
Yates	1/31/2020 3:37	1/31/2020 3:35	21L	D	PC12	SKQ43		
Moss	1/31/2020 3:43	1/31/2020 3:35	21L	D	PC12	SKQ43		
Moss	1/31/2020 4:05	1/31/2020 4:05	UNK	D	C560	N826AC		
Anon - 1	1/31/2020 6:11	1/31/2020 6:00	16	D	UNKN	N6QP		
Anon - 1	1/31/2020 7:42	1/31/2020 7:36	16	D	P32R	N834CC		
Anon - 1	1/31/2020 7:58	1/31/2020 7:56	21L	D	C56X	DPJ70		
Anon - 1	1/31/2020 18:22	1/31/2020 18:21	21L	A	C525	DCM5874		
Philips	1/31/2020 18:22	1/31/2020 18:22	21L	D	G150	N428JD	NMS03	87.5
Anon - 1	1/31/2020 19:19	1/31/2020 19:15	21L	D	GLF5	N933H	NMS03	69.9

Disturbance Location Pin Map – January 2020



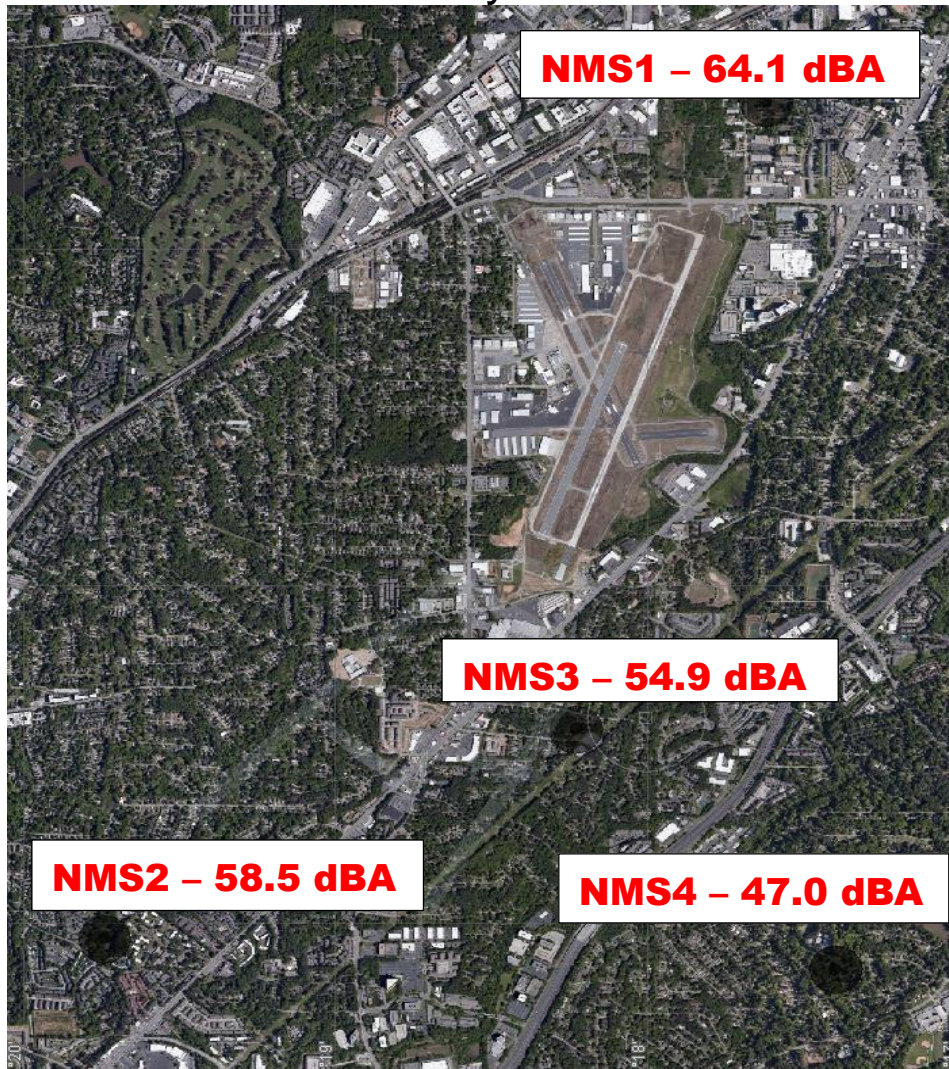
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

January 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.*
- *Lmax – 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 **308 (99.03%)** of the **311** operations during the voluntary curfew period (11PM-6AM) during the month of **January 2020**. Of the **308** identified operations, **176 (57.14%)** 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, **80 one-time** operations were conducted during this period.
- Out of the *identified* operations, **231 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:

115 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.

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

Complaints received from operations conducted during the voluntary curfew period:

199 complaints were received during **January 2020**.

43 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 2020 N#'s (Multi-Use):

20 Aircraft with 2 Operations (N716LT, N553LB, **N895CR**, LXJ419, N690BB, **CTE615**, N805LC, N131EA, NEJA776, N244AT, **N56LW**, N32PA, N69PC, N355AE, N780GS, N385RM, N826AC, BKA771, N416AT, **EMD28**)

7 Aircraft with 3 Operations (N8HP, N16PC, **CTE491**, **N445CH**, N642WW, **N400WK**)

2 Aircraft with 4 Operations (**N377P**, N2AQ)

1 Aircraft with 6 Operations (N154JK)

2 Aircraft with 7 Operations (N103AV, **N525LX**)

1 Aircraft with 14 Operations (**SKQ44**)

1 Aircraft with 27 Operations (**SKQ43**)

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

1 Aircraft with 59 Operations (**N208L**)

Last Month – December 2019 N#'s (Multi-Use):

28 Aircraft with 2 Operations (EJA557, JCM718, FTD508, N187MR, MDKT278, N533GT, N222NB, N777ZL, N270LE, SCM77, N2SW, **N525LX**, N302GV, N54J, **N329GS**, N6919J, **N395AE**, **N777WY**, **N407LS**, N77WW, **N423AE**, N918AM, **SKQ66**, **CTE66**, N454GC, JTL560, N49KW, N401SM)

1 Aircraft with 3 Operations (N62MV)

1 Aircraft with 9 Operations (N2AQ)

3 Aircraft with 4 Operations (**N900PS**, **N726SF**, **CTE491**)

1 Aircraft with 10 Operations (**N445CH**)

2 Aircraft with 5 Operations (**CTE615**, **EMD28**)

1 Aircraft with 24 Operations (**SKQ44**)

3 Aircraft with 6 Operations (N355AE, **SKQ43**, **CTE816**)

1 Aircraft with 39 Operations (**CTL67**)

1 Aircraft with 7 Operations (N154JK)

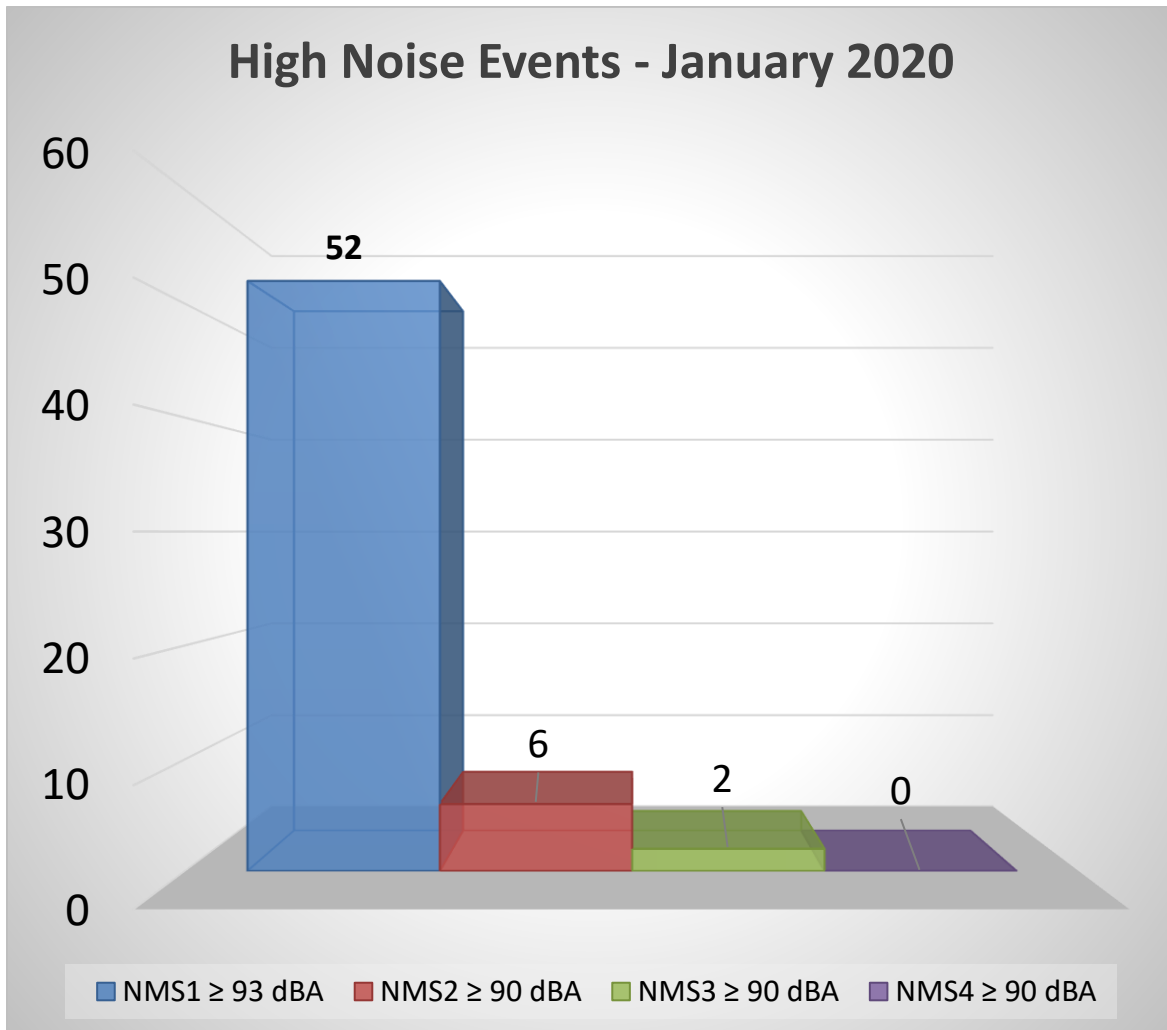
1 Aircraft with 45 Operations (**N208LS**)

1 Aircraft with 7 Operations (N154JK)

A total of **125** 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.

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



January 2020

38 Aircraft with 1 High Noise Event (N92ME, N621SB, N5GF, LXJ414, N762NB, N118MM, SIY415, N125TN, N609MH, N210LA, N732AM, N215BB, N8250D, N239AX, N987CE, EJM904, N598DR, N304PC, N5HQ, JET2, N610DP, N327GA, N622PM, N32MJ, N735XL, JTL5150, N77WL, TKM66, N92AJ, JTL58, N963JB, DCM4212, NWF83, N500GF, LAK502, N507WM, N499PA, N500FZ)

4 Aircraft with 2 High Noise Events (NJTL73, UJC851, DCM5874, N335PR)

3 Aircraft with 3 High Noise Events (N30WR, N330WR, N27GA)

1 Aircraft with 4 High Noise Events (CTL67)

1 Aircraft unknown

December 2019

63 Aircraft with 1 High Noise Event (N531MB, N791CP, N681GH, N220LE, N917MS, EDG84, N603A, N241DE, N740PC, DCM4068, N8343Y, HRC395, PVO752, N309CJ, N560TP, N31ST, N1360C, N327R, N6KE, CGPOP, N74TB, 32MJ, N80XX, JTL, 58, N880Z, N349SB, N964C, N375GK, N210CM, N3VF, N550DX, N405HR, N600LY, N40PC, N604XT, N414K, N64892, N426JN, N685BC, LXJ550, N173PA, N442GJ, N74825, TMC460, N7664F, BKA771, N79SE, N103AV, N826LJ, N490JC, N860CR, N10RU, N900QC, DPJ753, N958HC, N4QN, N200WL, N122AA, TMC450, N500GF, N502TN, N444QC, N445QS)

13 Aircraft with 2 High Noise Events (N469ES, JTL480, N49KW, N224FD, N428JD, N500FZ, N499PA, EJA599, DCM4212, N979CM, N73924, N304PC, N329GS)

4 Aircraft with 3 High Noise Events (N330WR, N62MV, N116RW, N27GA)

2 Aircraft Unknown

Comments/Concerns?

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



Monthly Noise & Operations Report July 2020

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

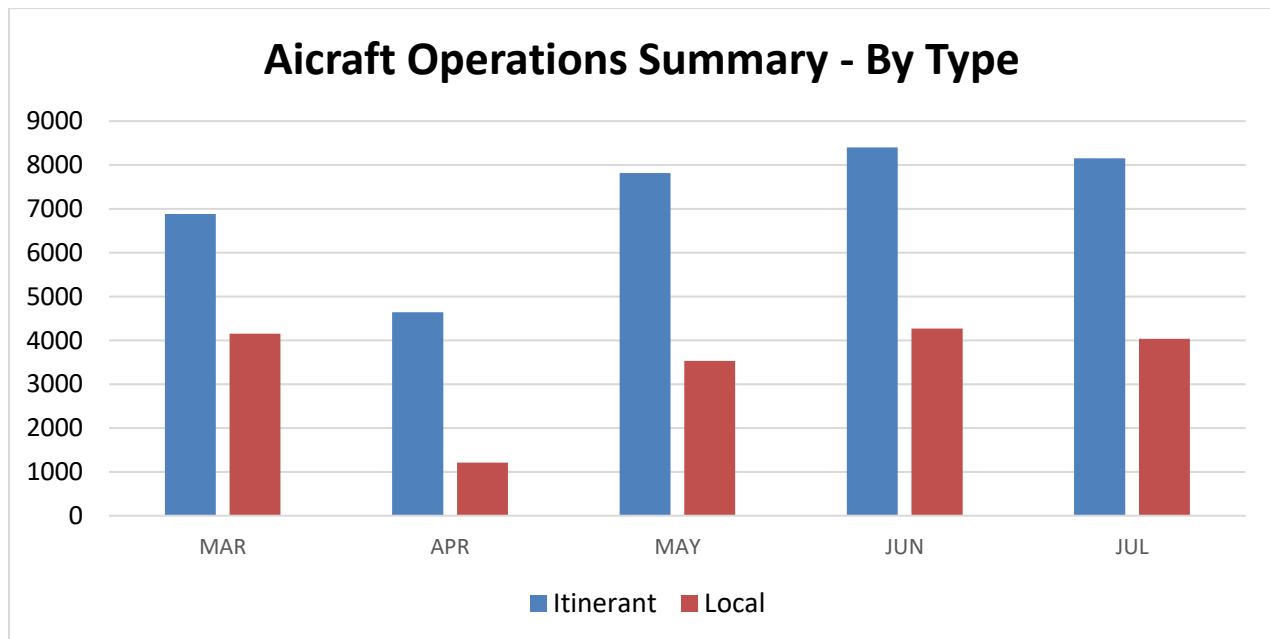
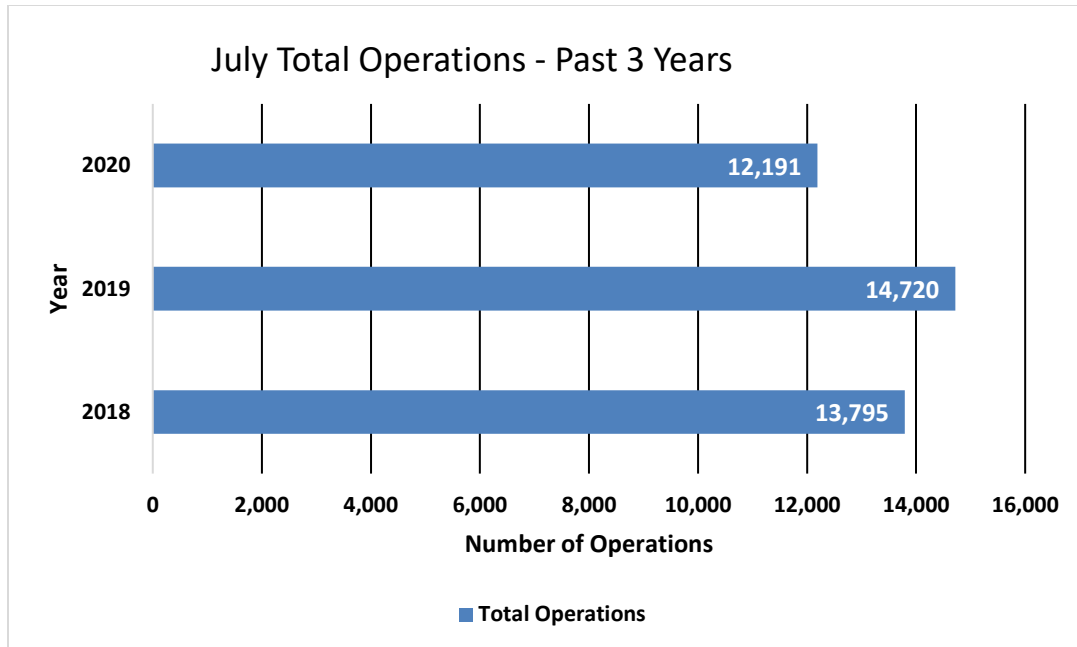
July 2020 Aircraft Operations:

	This Month	This Month, Last Year (July 2019)	% Change from July 2019	5-Year Average for Month
Total Operations	12,191	14,720	-17.18%	13,777
Itinerant	8,155	10,004	-18.48%	9,521
Local	4,036	4,716	-14.42%	4,256
Voluntary Curfew Ops	355	300	18.33%	320
Prior Authorization	102	(2) Noise disturbance calls associated with these flights. (0) 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.

July 2020 Aircraft Operations Summary

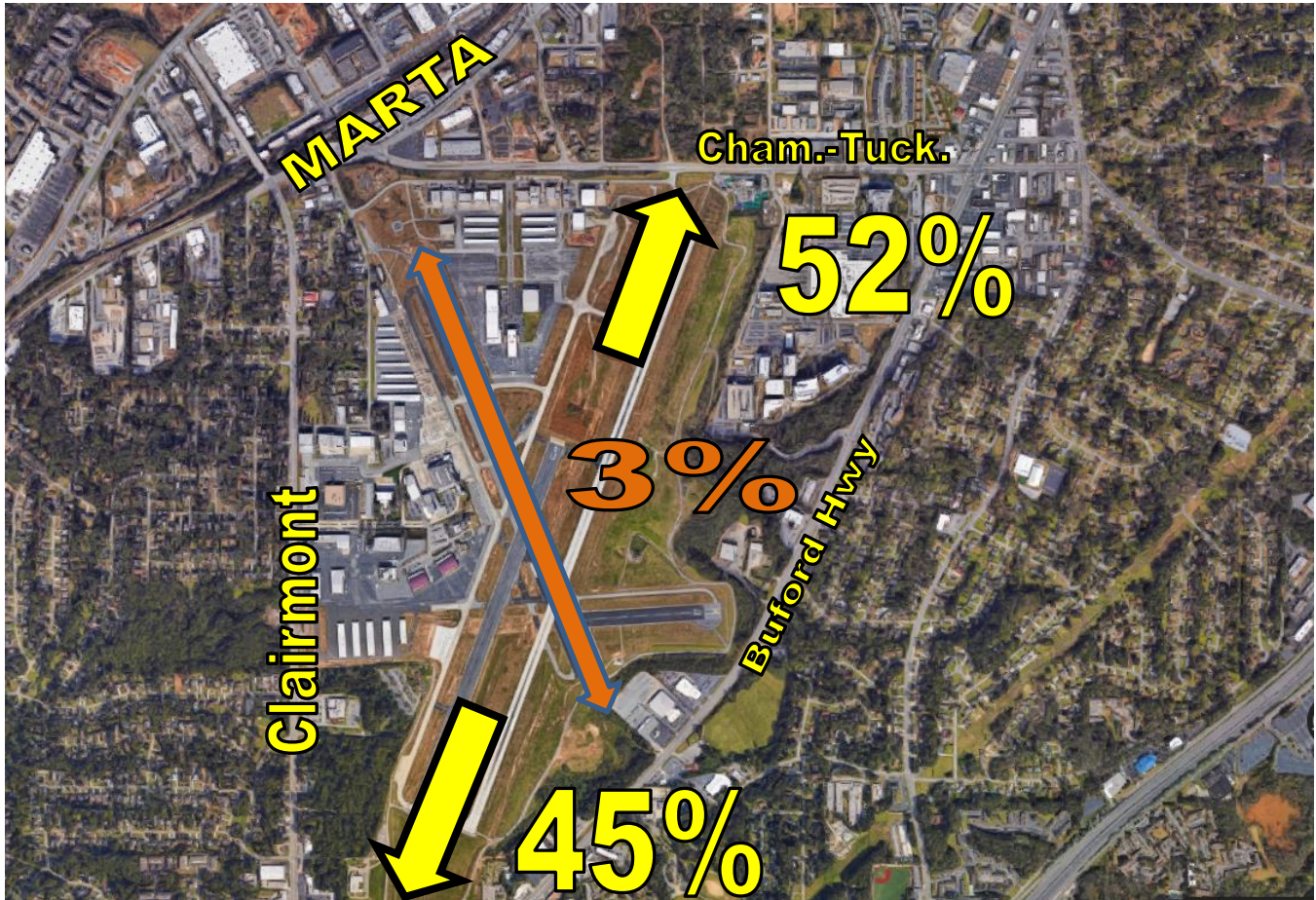


2019 Total Operations	2019 Total Operations as of July 2019	Total 2020 Ops as of July 2020
161,367	91,495	77,461 (-15.34%)

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				
SEP				
OCT				
NOV				
DEC				

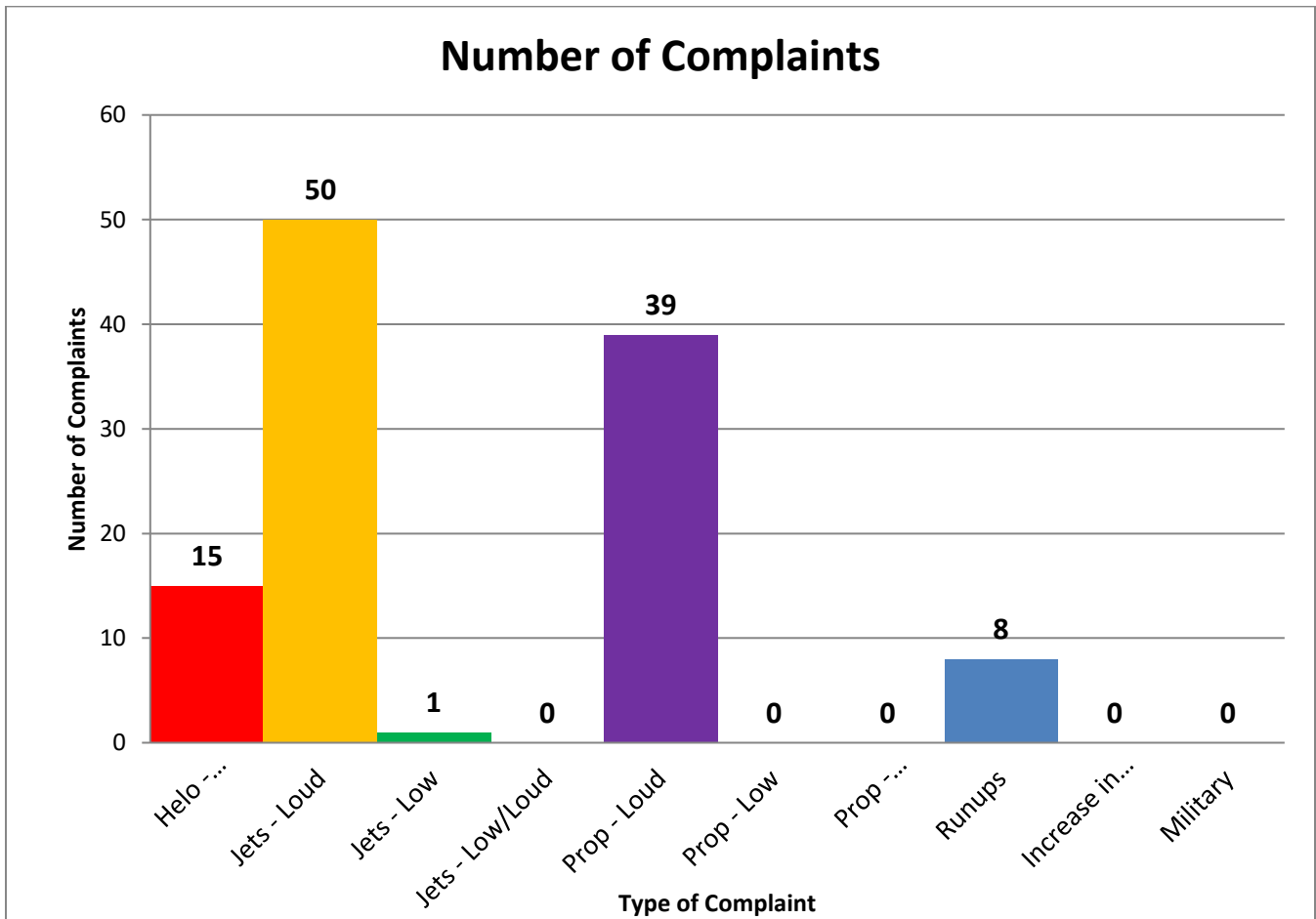
Runway Mode of Operations – July 2020

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.

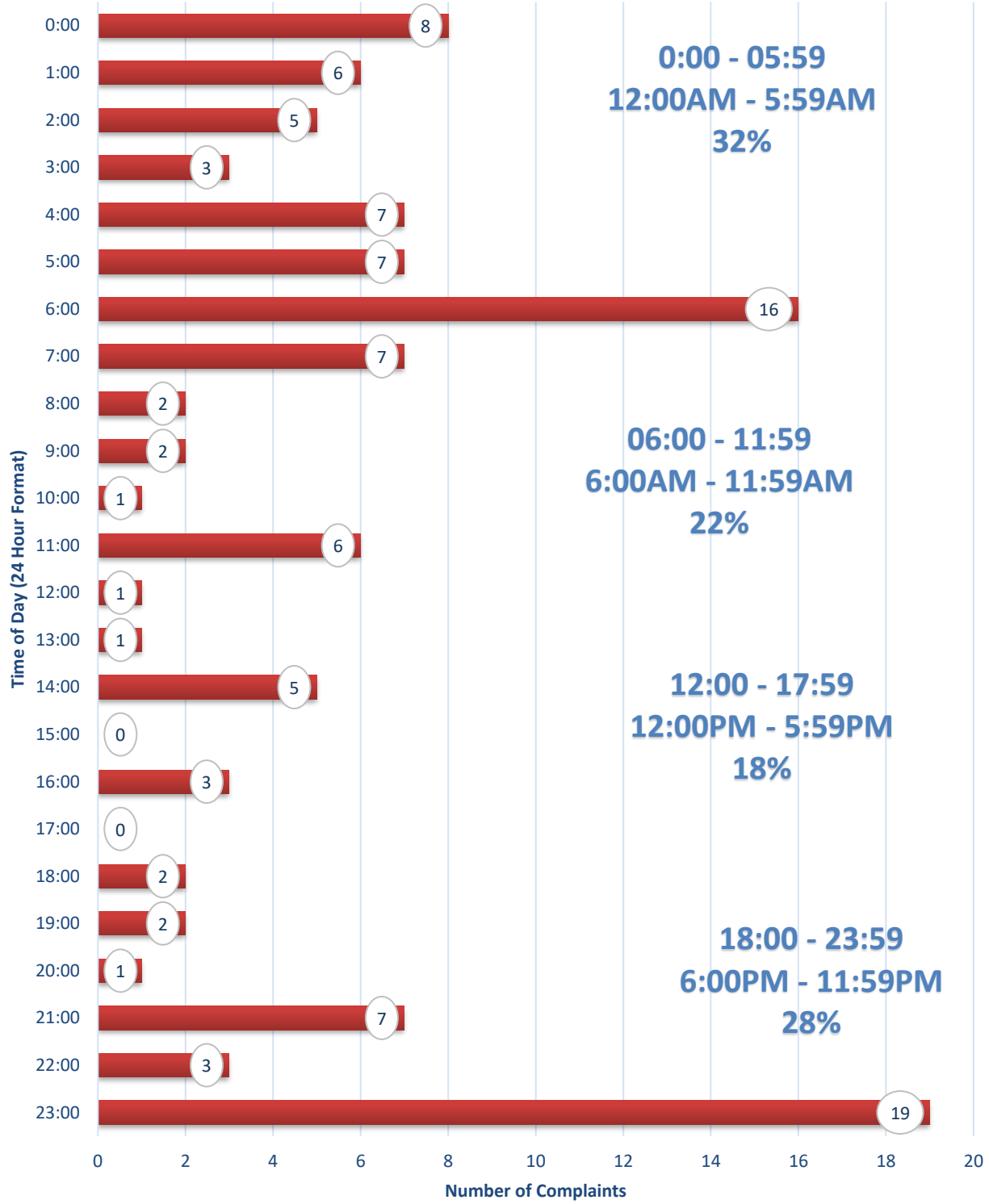


Noise Disturbance Summary

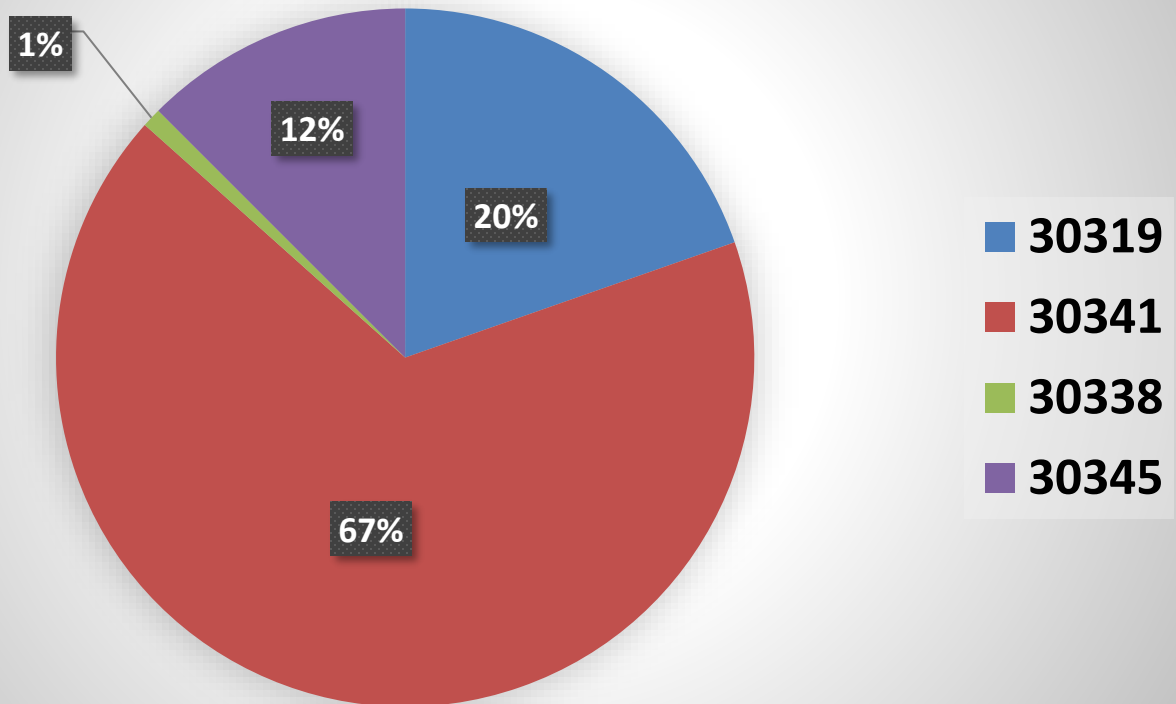
Total complaints for July 2020	Monthly Complaint Average 2020	July 2020 Complaints per Household <i>(minus top two/Households)</i>	July 2020 Complaints per Household <i>All Inclusive</i>
113	104	2.3	7.1



Number of Complaints by Hour



Complaints By Zip Code

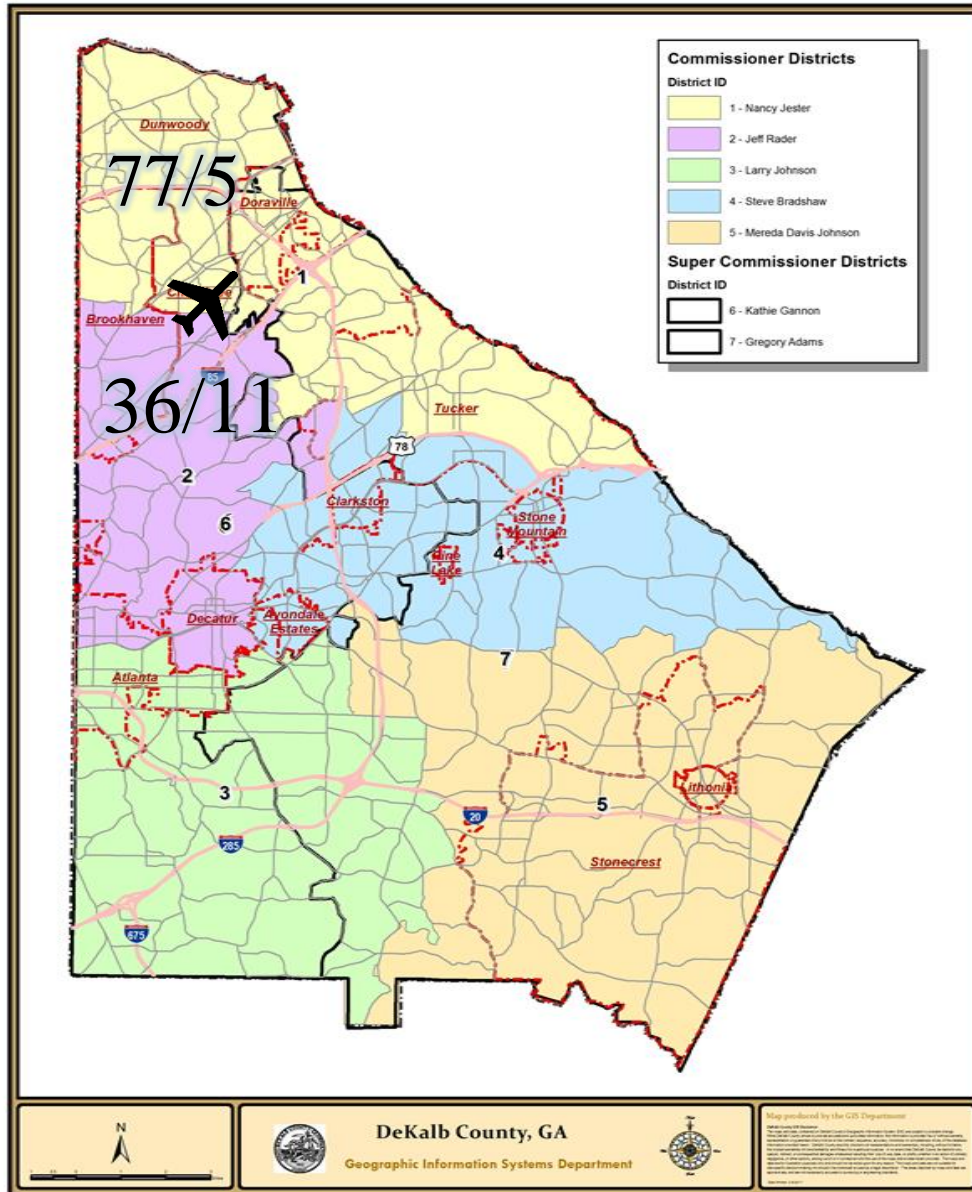


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	20%
30341	Chamblee - North	67%
30345	Chamblee – South	12%
30338	Dunwoody	1%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	1
Masone	2352 Burch Cir NE	Atlanta	30319	12
Anon - 1	2449 Dresden Dr	Atlanta	30341	69
Chilivis	2352 Logan Cir NE	Atlanta	30319	2
Yates	1889 9th Street	Chamblee	30341	5
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	2
Sanke	4485 Huntington Circle	Dunwoody	30338	1
Terry	2652 Cove Circle NE	Atlanta	30319	2
Friedman	2234 Wayside Dr	Atlanta	30319	1
Anon - 2	Foresta Ct	Chamblee	30341	1
Lennon	1802 Tobey Road	Atlanta	30341	1
Joyner	2033 Drew Valley Road NE	Atlanta	30319	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	4
Stolze	2044 Groveglen Ct	Atlanta	30345	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	9
Anon - 3	Dresden Dr	Atlanta	30319	1

Complaints per Commission District



77/5

36/11

Total Number of Complaints

113/




Total Number of Complainants

16

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

Correlation Chart of Noise Complaints to Operations

Chart Legend:

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

The airport correlated **101 (89.3%)** out of **113** complaints:

- **99 or 87.6%** of the noise complaints were found to be **Direct** correlations
- **2 or 1.8%** were **Indirect** correlations to operations
- **12 or 10.6%** 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: pdknoise@dekalbcountyga.gov

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Friedman	7/2/2020 18:16	7/2/2020 18:16	03R	A	C56X	N690XL	NMS02	72.3
Sanke	7/2/2020 21:13	7/2/2020 21:05	03L	D	UNKN	N6711G		
Anon - 1	7/3/2020 6:52	7/3/2020 6:52	03R	A	UNKN	N377P	NMS03	74.1
Anon - 1	7/3/2020 6:59	7/3/2020 6:59	03R	D	HA4T	TFF908		
Philips	7/5/2020 22:05	7/5/2020 22:08	03R	A	PC12	CNS8675	NMS03	78.7
Anon - 1	7/6/2020 23:16	7/6/2020 23:16	21L	D	H25B	PRD715	NMS03	83.7
Anon - 1	7/7/2020 23:55	7/7/2020 23:46	21L	A	GLF4	DCM6007		
Anon - 1	7/8/2020 6:07	7/8/2020 6:06	16	D	UNKN	N2AQ		
Anon - 1	7/8/2020 23:38	7/8/2020 23:38	03R	A	LJ60	N275HZ		
Lennon	7/9/2020 4:10	7/9/2020 4:24	21L	D	PC12	SKQ31	NMS03	72.9
Anon - 1	7/9/2020 4:44	7/9/2020 4:43	UNK	D	UNKN	N355AE	NMS03	72.6
Anon - 1	7/9/2020 5:15	7/9/2020 5:24	26R	A	MD11	UNKNOWN		
Anon - 1	7/9/2020 5:22	7/9/2020 5:37	03R	D	C68A	EJA560		
Anon - 1	7/9/2020 5:37	7/9/2020 5:37	03R	D	C68A	EJA560		
Anon - 1	7/9/2020 6:06	7/9/2020 6:05	16	D	UNKN	N2AQ		
Anon - 1	7/9/2020 6:13	7/9/2020 6:05	16	D	UNKN	N2AQ		
Anon - 1	7/9/2020 6:17	7/9/2020 6:16	03R	D	C25B	N357N		
Anon - 1	7/9/2020 7:04	7/9/2020 7:04	03R	D	CL35	N350KM		
Anon - 1	7/10/2020 4:03	7/10/2020 4:02	16	D	C208	N208LS		
Anon - 1	7/10/2020 4:32	7/10/2020 4:41	8L	A	B763	UNKNOWN		
Anon - 1	7/10/2020 9:48	7/10/2020 9:48	UNK	D	UNKN	N427TJ		
Anon - 1	7/11/2020 1:54	7/11/2020 1:53	21L	A	GLF4	DCM6007		
Anon - 1	7/11/2020 1:54	7/11/2020 1:53	21L	A	GLF4	DCM6007		
Anon - 1	7/11/2020 3:03	7/11/2020 3:03	21L	D	GLF4	DCM6007	NMS03	84.6
Philips	7/11/2020 10:57	7/11/2020 10:56	03R	A	PAY1	N27BF	NMS03	80.5
Anon - 1	7/11/2020 21:37	7/11/2020 21:26	UNK	O	UNKN	N55404		

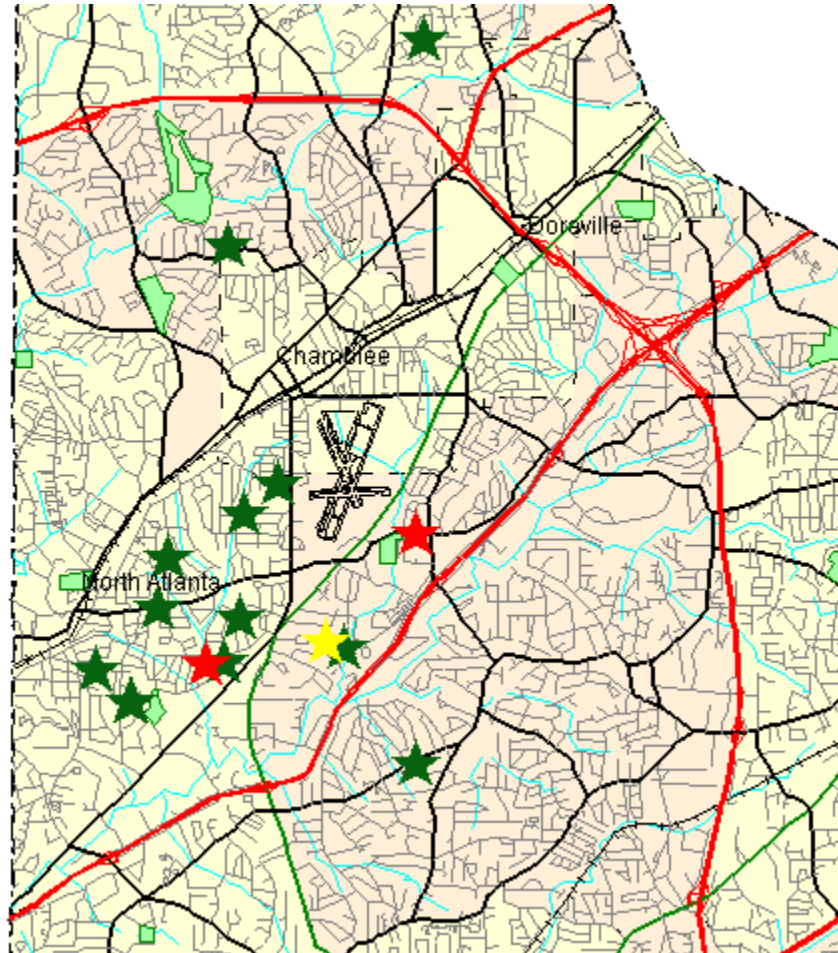
Anon - 1	7/12/2020 1:28	7/12/2020 1:34	03R	A	C25B	JLG97	NMS03	72.8
Anon - 1	7/12/2020 13:12	7/12/2020 13:12	03R	A	GLF5	N933H		
Philips	7/12/2020 19:31	7/12/2020 19:31	21L	D	F900	N508BA	NMS03	80.1
Anon - 1	7/13/2020 0:11	7/13/2020 0:07	21L	A	BE20	CTE816		
Anon - 1	7/13/2020 6:07	7/13/2020 6:07	16	D	UNKN	N2AQ		
Anon - 1	7/13/2020 6:10	7/13/2020 6:07	16	D	UNKN	N2AQ		
Anon - 1	7/13/2020 6:14	7/13/2020 6:07	16	D	UNKN	N2AQ		
Anon - 1	7/14/2020 3:42	7/14/2020 3:41	16	D	UNKN	N887AE		
Anon - 1	7/14/2020 4:11	7/14/2020 4:19	UNK	A	C525	N525JW		
Fox	7/14/2020 6:07	7/14/2020 6:05	16	D	UNKN	N2AQ		
Friedman	7/14/2020 7:08	7/14/2020 7:07	21L	D	BE58	N72PT		
Masone	7/14/2020 7:46	7/14/2020 7:43	21R	D	UNKN	N73924		
Anon - 1	7/15/2020 1:07	7/15/2020 1:08	03R	A	C550	N888WD		
Anon - 1	7/15/2020 5:06	7/15/2020 5:06	21L	D	BE40	N500TH	NMS03	82.4
Anon - 1	7/15/2020 5:41	7/15/2020 5:41	21L	D	C25B	DCM4289	NMS03	78.6
Anon - 1	7/15/2020 23:16	7/15/2020 23:15	21L	A	E35L	X5NLRK		
Anon - 1	7/16/2020 0:19	7/16/2020 0:18	03R	D	C525	N525LX		
Anon - 1	7/16/2020 0:28	7/16/2020 0:33	03R	A	AC50	CTL67		
Anon - 1	7/16/2020 0:45	7/16/2020 0:45	03R	D	UNKN	CTL67		
Anon - 1	7/16/2020 1:26	7/16/2020 1:32	21L	A	PA28	N81771		
Yates	7/16/2020 2:25	7/16/2020 2:26	UNK	A	UNKN	N445CH		
Chilivis	7/16/2020 2:58							
Anon - 1	7/16/2020 14:37	7/16/2020 14:19	16	T	UNKN	N5QV		




Anon - 1	7/16/2020 23:26	7/16/2020 23:16	21L	A	BE20	CTE491		
Anon - 1	7/17/2020 2:47	7/17/2020 2:46	16	D	UNKN	N649AE		
Yates	7/18/2020 20:16	7/18/2020 20:16	UNK	A	UNKN	N445CH		
Stolze	7/18/2020 21:03	7/18/2020 21:03	21R	D	C650	N400WK	NMS04	75.9
Anon - 2	7/18/2020 21:50							
Anon - 1	7/18/2020 23:37	7/18/2020 23:23	03L	A	UNKN	N543BZ		
Anon - 1	7/18/2020 23:48	7/18/2020 23:52	UNK	A	BE33	N75CS	NMS03	70.3
Anon - 1	7/18/2020 23:53	7/18/2020 23:52	UNK	A	BE33	N75CS	NMS03	70.3
Philips	7/19/2020 14:24	7/19/2020 14:24	21L	D	FA50	N58HL	NMS03	85.1
Terry	7/19/2020 21:40	7/19/2020 21:38	21R	D	P28A	N103AV		
Terry	7/19/2020 21:50	7/19/2020 21:49	UNK	D	UNKN	N423AE		
Anon - 1	7/19/2020 23:19	7/19/2020 23:19	21L	A	CL35	EJA705		
Anon - 1	7/19/2020 23:49	7/19/2020 23:49	21L	A	C560	N900PS		
Anon - 1	7/20/2020 1:10	7/20/2020 1:10	21L	D	C560	N900PS	NMS03	78.7
Philips	7/20/2020 22:56	7/20/2020 22:55	21L	D	GLEX	EJA151	NMS03	82.1
Anon - 1	7/20/2020 23:42	7/20/2020 23:42	21L	D	UNKN	N449A		
Anon - 1	7/20/2020 23:52	7/20/2020 23:52	21L	D	UNKN	N449A		
Yates	7/21/2020 0:51	7/21/2020 0:51	UNK	A	AC50	CTL67		
Philips	7/21/2020 7:50	7/21/2020 7:49	21L	D	GLF3	N500GF		
Anon - 1	7/21/2020 12:08	7/21/2020 12:08	UNK	T	UNKN	N98PC		
Anon - 1	7/22/2020 6:07	7/22/2020 6:06	16	D	UNKN	N2AQ		
Anon - 3	7/22/2020 7:30	7/22/2020 7:31	21R	D	UNKN	N103AV		
Yates	7/22/2020 14:20	7/22/2020 14:10	21R	D	UNKN	N908A		

Anon - 1	7/23/2020 5:56	7/23/2020 5:56	21L	A	LJ60	FTD504		
Anon - 1	7/23/2020 7:35	7/23/2020 7:34	03R	D	E55P	N516N		
Anon - 1	7/23/2020 23:25	7/23/2020 23:24	21L	D	C525	N525DU	NMS03	72.2
Anon - 1	7/23/2020 23:47	7/23/2020 23:46	21L	A	CL30	N773RC		
Anon - 1	7/24/2020 0:09	7/24/2020 0:14	21L	A	UNKN	UNKNOWN		
Chilivis	7/24/2020 0:33	7/24/2020 0:14	21L	A	UNKN	UNKNOWN		
Anon - 1	7/24/2020 4:02	7/24/2020 4:02	21L	D	UNKN	UNKNOWN	NMS03	73.2
Anon - 1	7/24/2020 23:35	7/24/2020 23:15	03R	A	GLF4	LXJ451		
Yates	7/25/2020 14:04	7/25/2020 14:03	UNK	A	UNKN	N117CH		
Fox	7/25/2020 23:30	7/25/2020 23:26	21L	A	UNKN	N482A		
Fox	7/26/2020 6:50	7/26/2020 6:51	03R	D	BE40	RVJ41	NMS03	80.3
Anon - 1	7/26/2020 6:51	7/26/2020 6:51	03R	D	BE40	RVJ41	NMS03	80.3
Anon - 1	7/26/2020 23:01	7/26/2020 23:01	03R	D	UNKN	UNKNOWN		
Anon - 1	7/27/2020 0:01	7/27/2020 0:01	21L	A	UNKN	N14VA		
Anon - 1	7/27/2020 2:53	7/27/2020 2:54	16	D	UNKN	N407LS		
Joyner	7/27/2020 18:15	7/27/2020 18:14	21L	D	PRM1	N599AM	NMS02	68.7
Anon - 1	7/27/2020 23:31	7/27/2020 23:04	UNK	O	UNKN	N486AE		
Anon - 1	7/28/2020 3:09	7/28/2020 3:09	16	D	UNKN	UNKNOWN		
Anon - 1	7/29/2020 5:17	7/29/2020 5:25	26R	A	MD11	UNKNOWN		
Fox	7/29/2020 6:14	7/29/2020 6:14	21L	D	BE20	N502GF	NMS03	75.4
Friedman	7/29/2020 7:24	7/29/2020 7:23	21L	D	BE40	DCM4068	NMS02	68.7
Schneeberg	7/29/2020 8:27	7/29/2020 8:20	21L	D	C172	N885GT		
Masone	7/29/2020 8:54	7/29/2020 8:51	21L	D	M20T	N252D		

Philips	7/29/2020 9:06	7/29/2020 9:05	21L	D	BE35	N8834M	NMS03	83.5
Masone	7/29/2020 21:10							
Philips	7/29/2020 22:19	7/29/2020 22:18	21L	D	G150	N101RX	NMS03	83.5
Anon - 1	7/29/2020 23:23	7/29/2020 23:33	27L	A	B738	UNKNOWN		
Anon - 1	7/30/2020 2:53	7/30/2020 2:52	16	D	C208	N414CY		
Anon - 1	7/30/2020 6:07	7/30/2020 6:10	21L	D	PC24	CNS1017	NMS03	94.2
Anon - 1	7/30/2020 6:10	7/30/2020 6:10	21L	D	PC24	CNS1017	NMS03	94.2
Masone	7/30/2020 16:34							
Masone	7/30/2020 16:40							
Masone	7/30/2020 16:47							
Anon - 1	7/31/2020 4:44	7/31/2020 4:44	21L	D	C208	N414CY	NMS03	70.3
Masone	7/31/2020 11:40							
Masone	7/31/2020 11:44							
Masone	7/31/2020 11:47							
Masone	7/31/2020 11:51							
Masone	7/31/2020 11:54							
Masone	7/31/2020 11:58							
Philips	7/31/2020 14:22	7/31/2020 14:22	21L	D	F2TH	N26NJ	NMS03	81.9

Disturbance Location Pin Map – July 2020



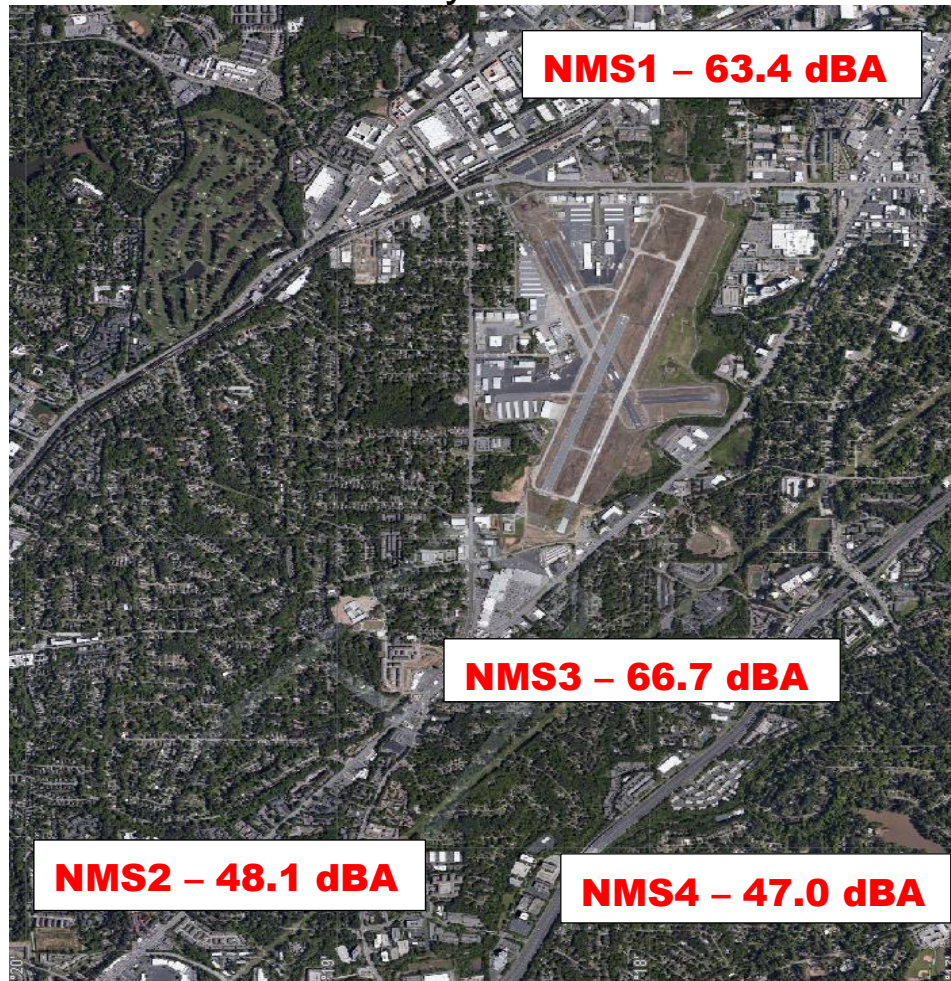
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

July 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 **326 (91.8%)** of the **355** operations during the voluntary curfew period (11PM-6AM) during the month of **July 2020**. Of the **326** identified operations, **190 (58%)** 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, **64 one-time** operations were conducted during this period.
- Out of the *identified* operations, **262 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:

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

47 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:

113 complaints were received during **July 2020**.

55 (48.7%) 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 – July 2020 N#'s (Multi-Use):

26 Aircraft with 2 Operations (N773RC, N26889, **N900PS**, N1080H, N75CS, **CTE816**, N888WD, N4488H, N919DS, JLG97, **N649AE**, **N464RM**, EJM132, N414VA, N885GT, N500TH, N236D, **N525JW**, **N911UG**, KFS44, **N939TW**, N553LB, N58BE, **N445CH**, AUD91, **N423AE**)

4 Aircraft with 3 Operations (**CTE491**, N322CA, N154JK, N349SB,)

3 Aircraft with 4 Operations (N7664F, DCM6007, **SKQ44**)

4 Aircraft with 5 Operations (**N365LH**, **N407LS**, N140SB, N482A)

1 Aircraft with 6 Operations (N449A)

3 Aircraft with 7 Operations (**N329GS**, **N525LX**, **N891AA**)

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

2 Aircraft with 11 Operations (**N377P**, N103AV)

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

1 Aircraft with 40 Operations (**CTL67**)

1 Aircraft with 42 Operations (**N414CY**)

Last 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**)

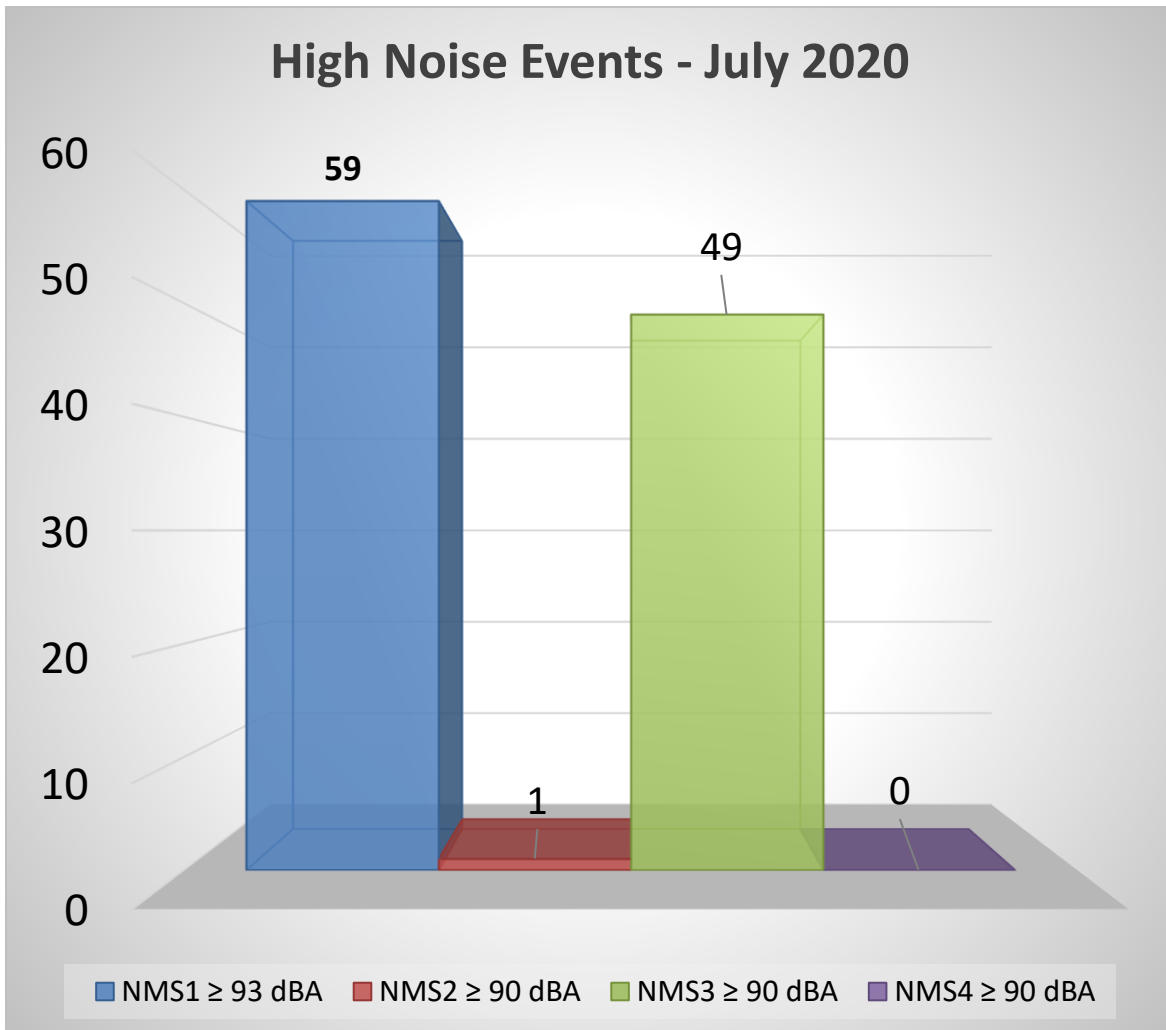
1 Aircraft with 42 Operations (**CTL67**)

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

A total of **136** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **July** 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 **108** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



July 2020

10 Aircraft with 2 High Noise Event (N800EM, N533GT, N321MS, TMC449, N541S, JTL58, N116TT, N116RW, N5208K, N500TH)

4 Aircraft with 3 High Noise Events (N499PA, N50HN, N73924, N372MZ)

1 Aircraft with 4 High Noise Events (M487LX)

1 Aircraft with 9 High Noise Events (N103AV)

June 2020

37 Aircraft with 1 High Noise Event (PXG981, 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)

Comments/Concerns?

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



Monthly Noise & Operations Report June 2020

Prepared by:
Korey Barnes
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.

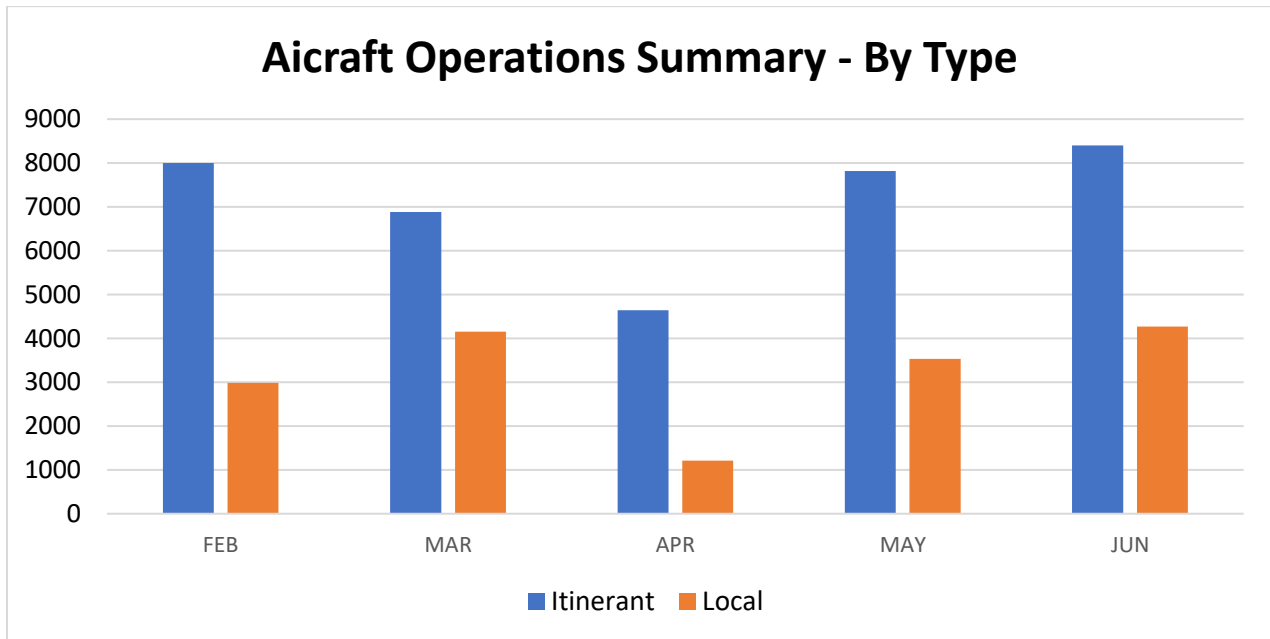
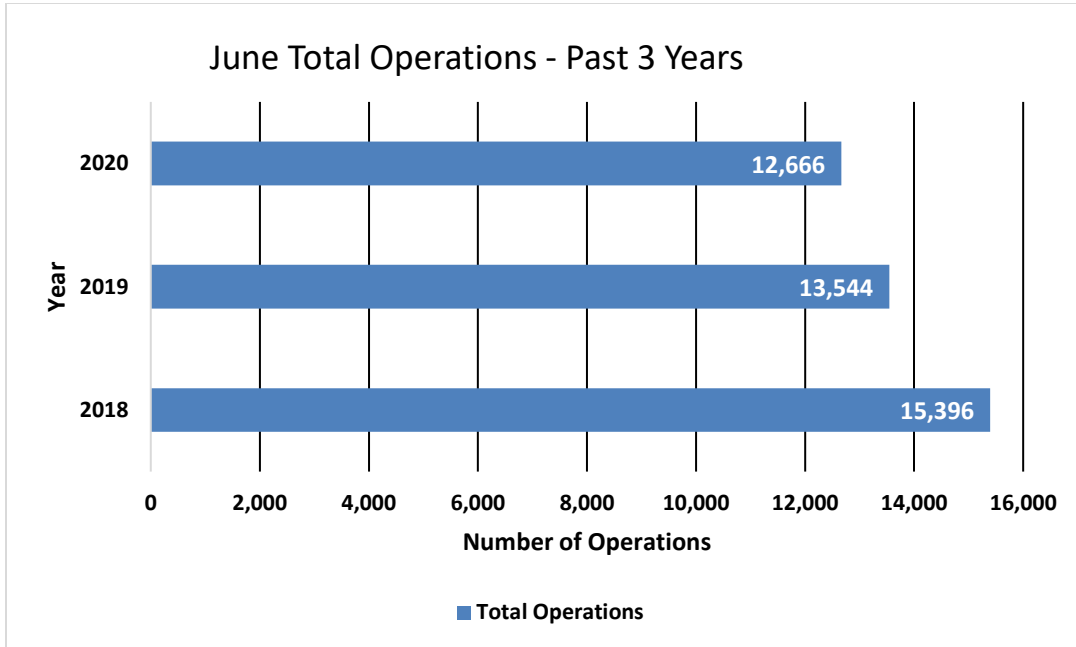
June 2020 Aircraft Operations:

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

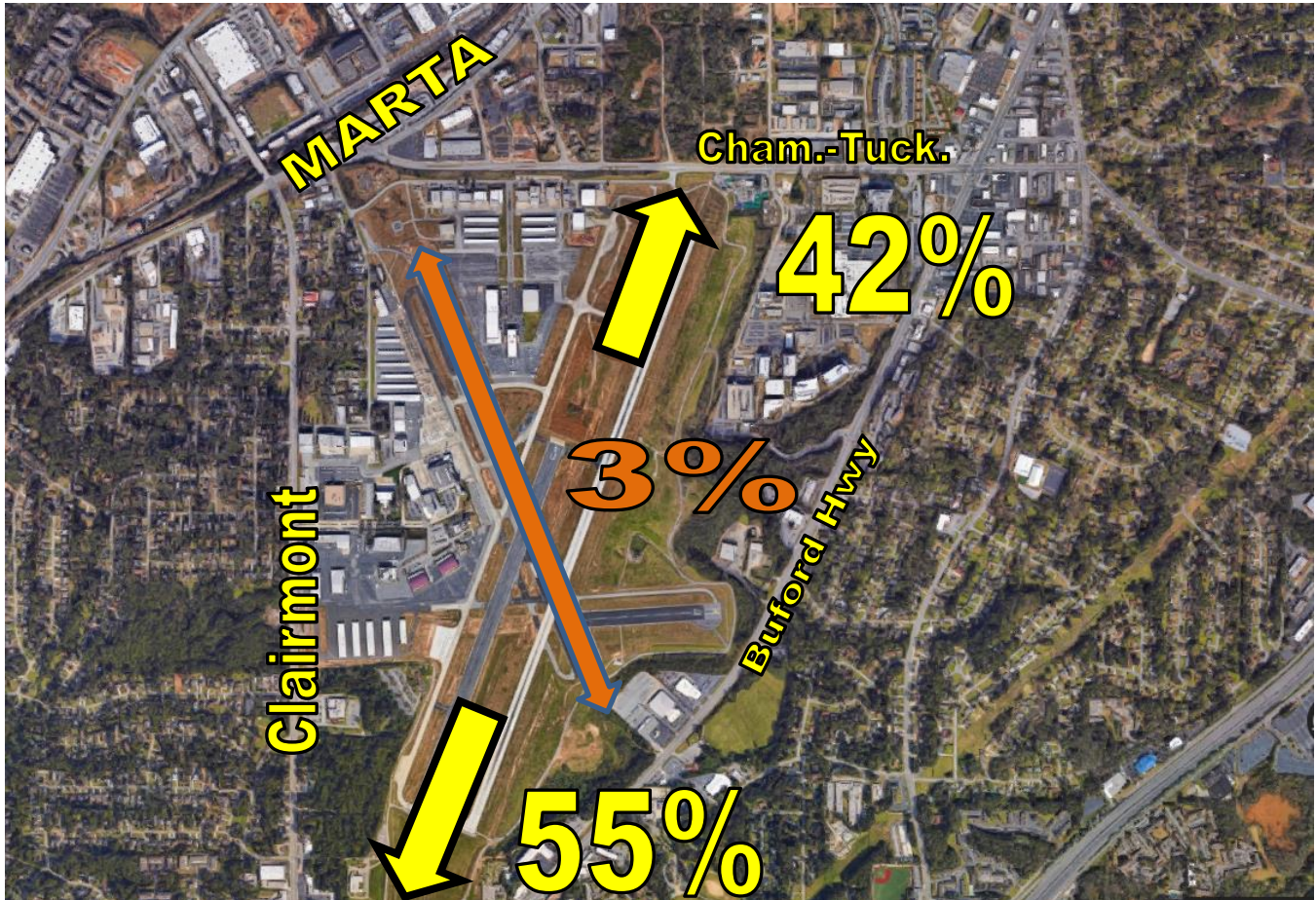


2019 Total Operations	2019 Total Operations as of June 2019	Total 2020 Ops as of June 2020
161,367	76,775	65,270 (-14.99%)

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				
AUG				
SEP				
OCT				
NOV				
DEC				

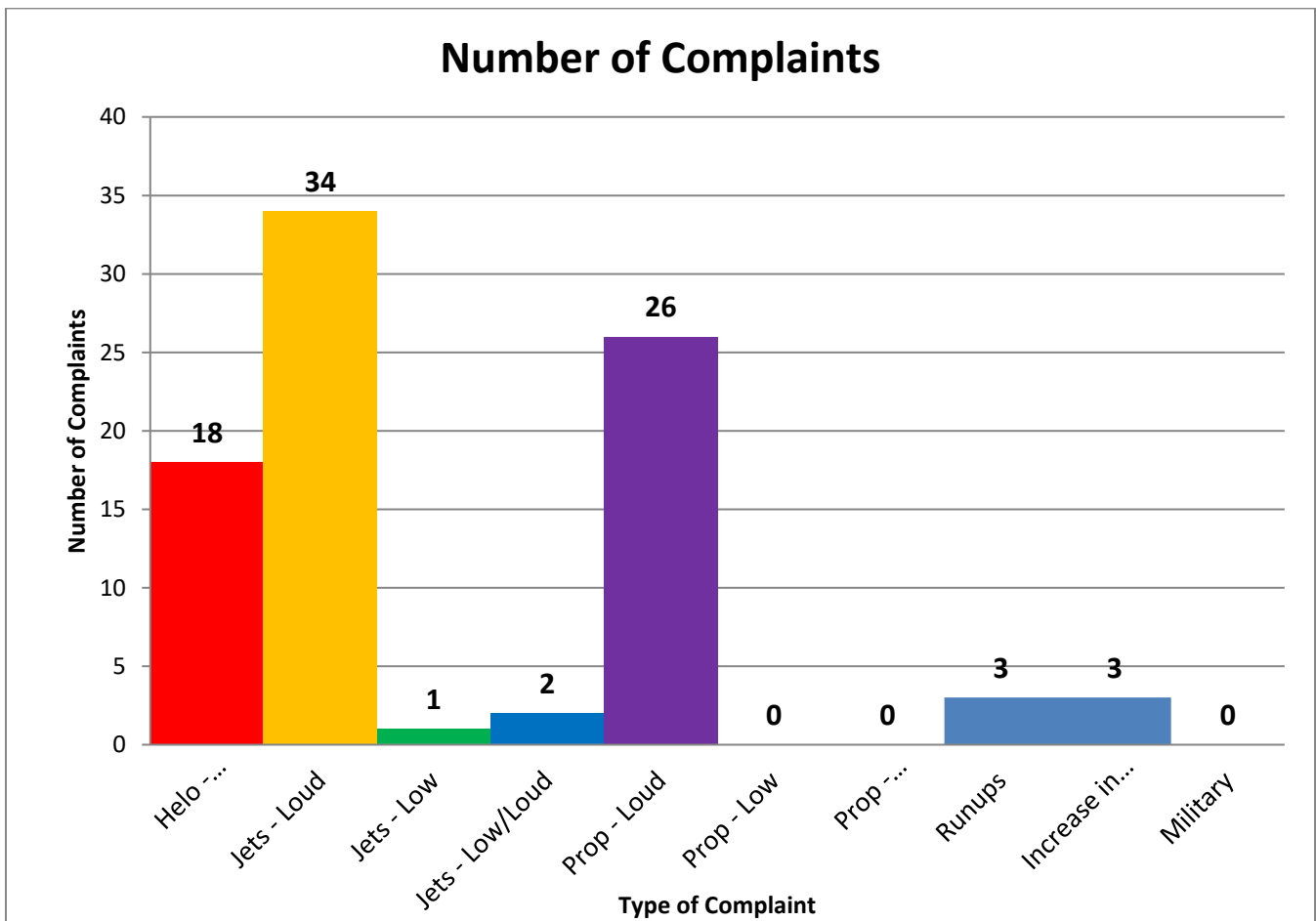
Runway Mode of Operations – June 2020

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.

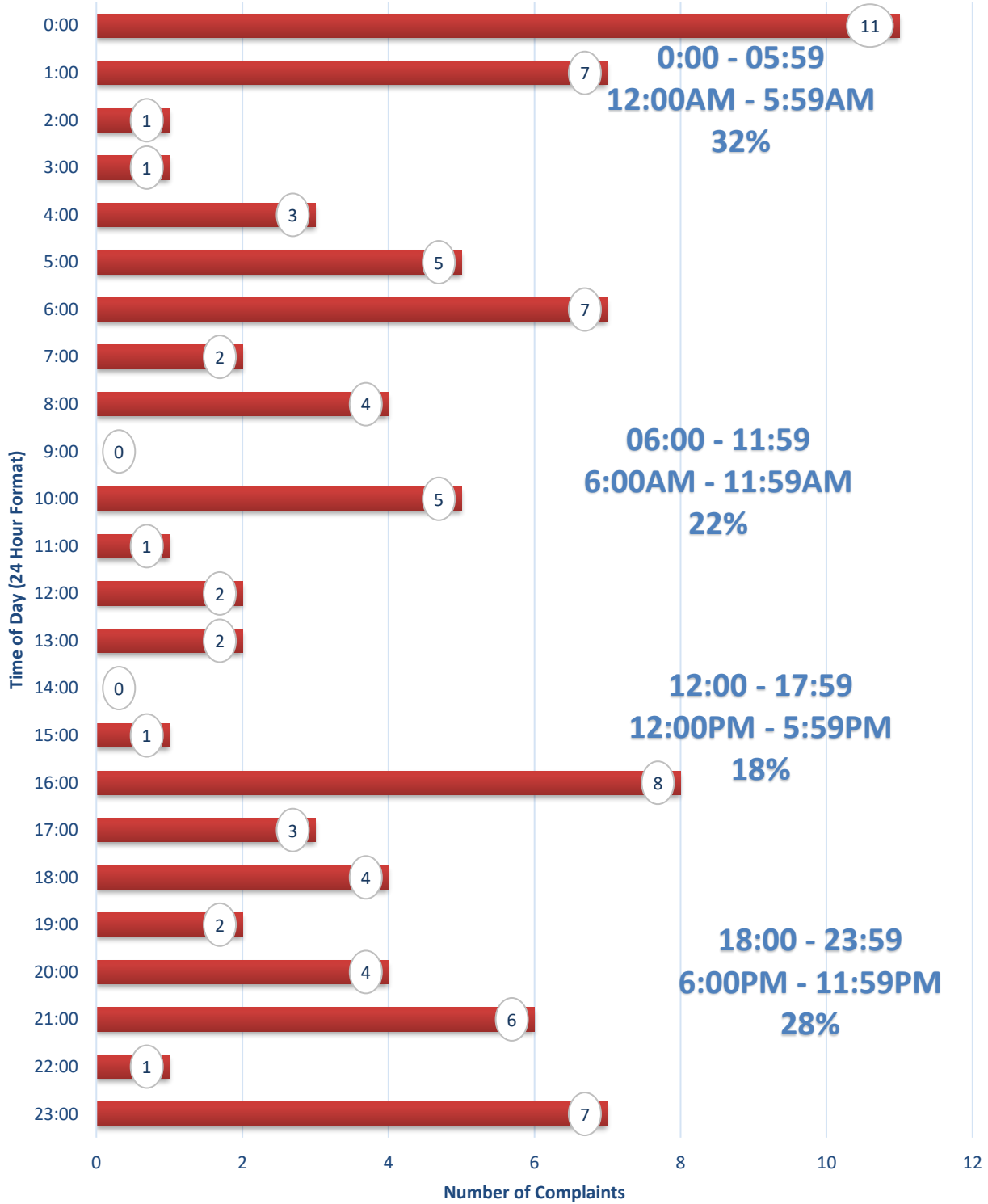


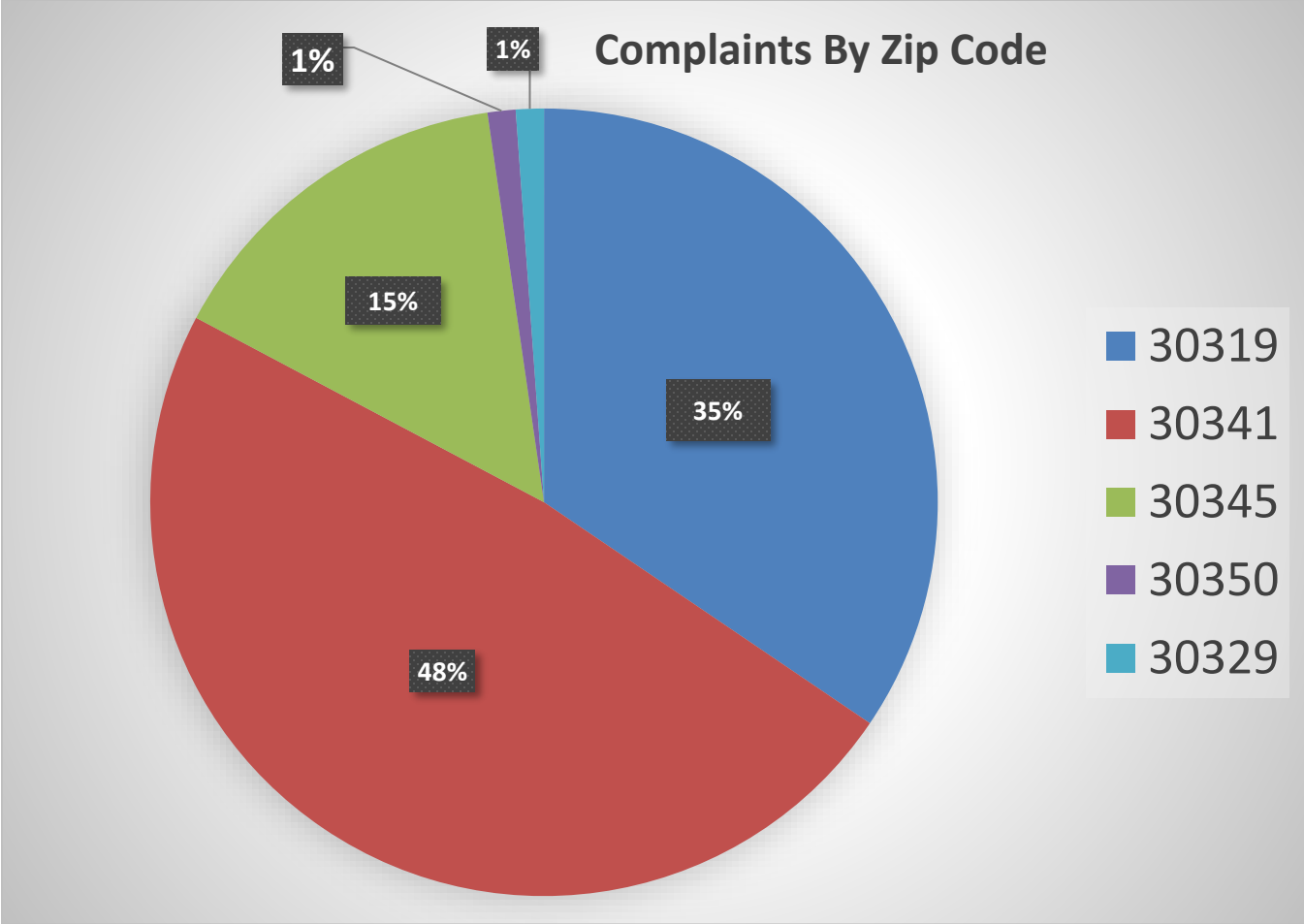
Noise Disturbance Summary

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



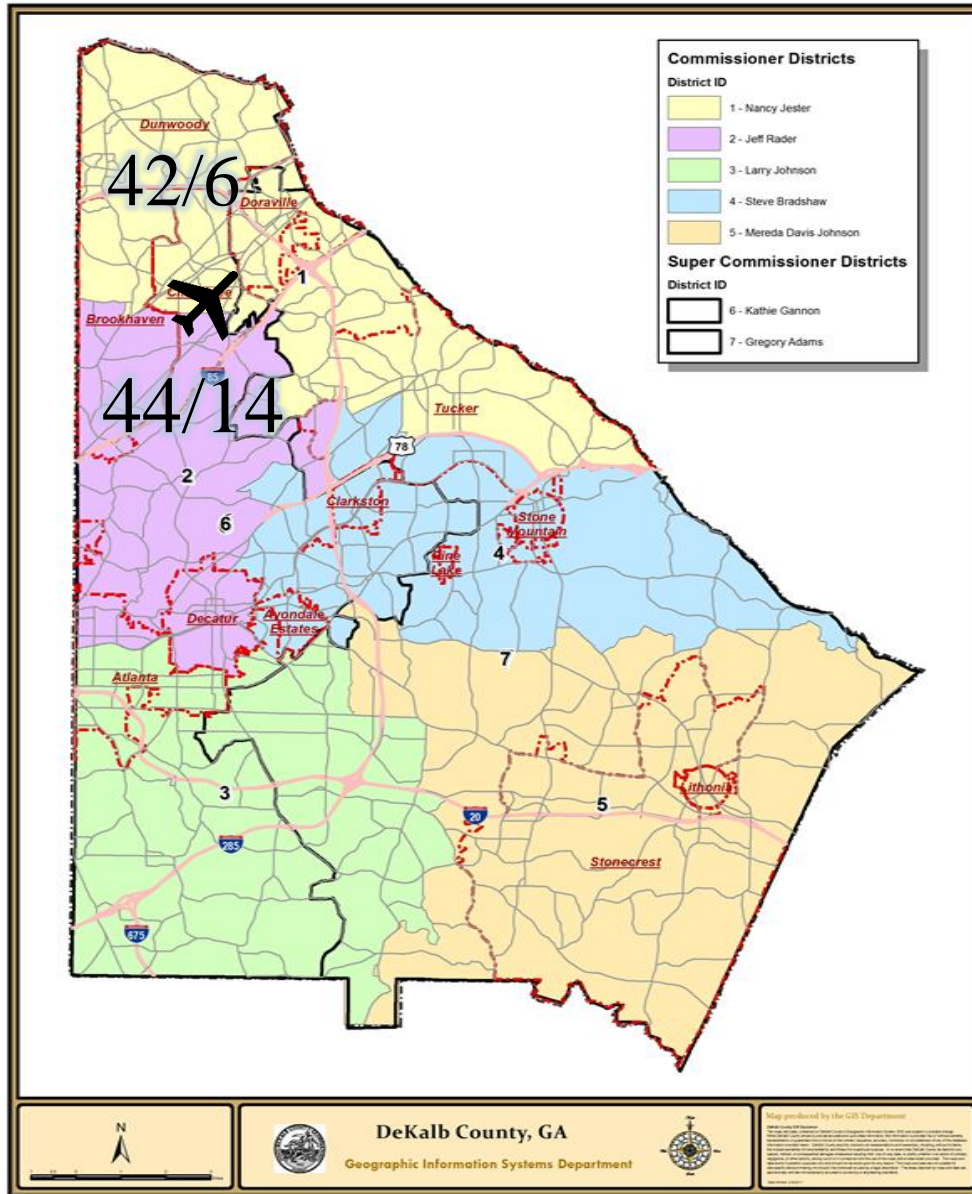


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	35%
30341	Chamblee - North	48%
30345	Chamblee - South	15%
30350	Sandy Springs	1%
30329	Druid Hills	1%

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

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

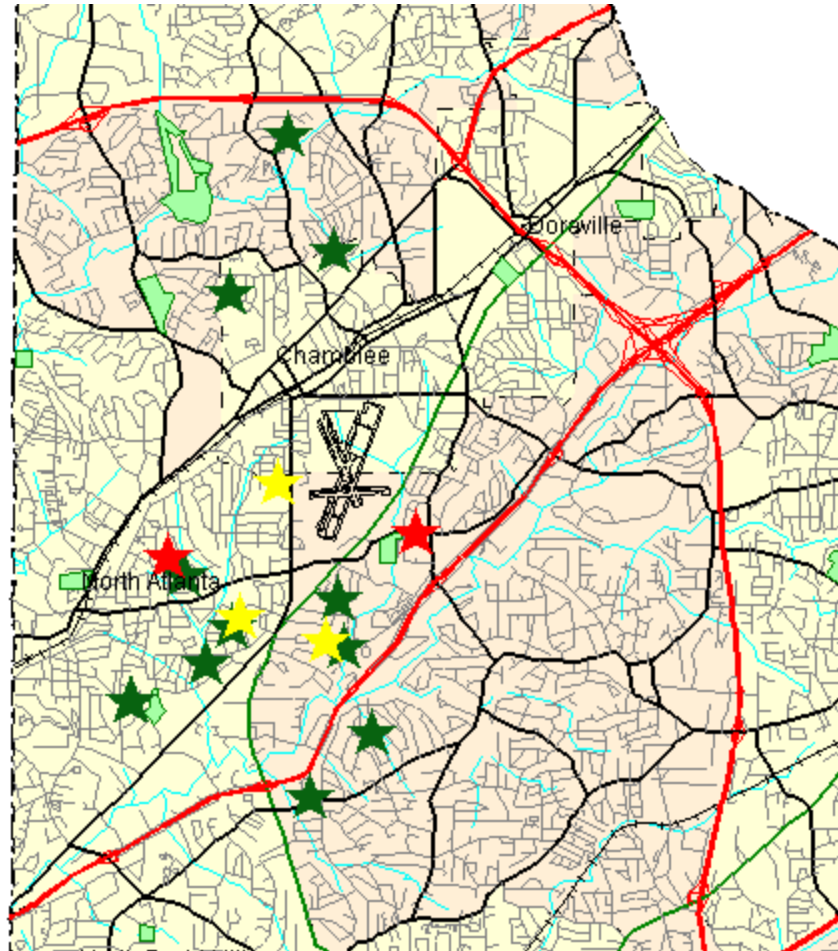
Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Fox	6/1/2020 5:52	6/1/2020 5:42	21L	D	M20P	N79849	NMS03	72.8
Schneeberg	6/1/2020 16:44	6/1/2020 16:42	UNK	D	UNKN	N372HM		
Schneeberg	6/1/2020 18:23	6/1/2020 18:11	21R	D	UNKN	N73924		
Sadler	6/3/2020 21:08	6/3/2020 21:04	21R	D	UNKN	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



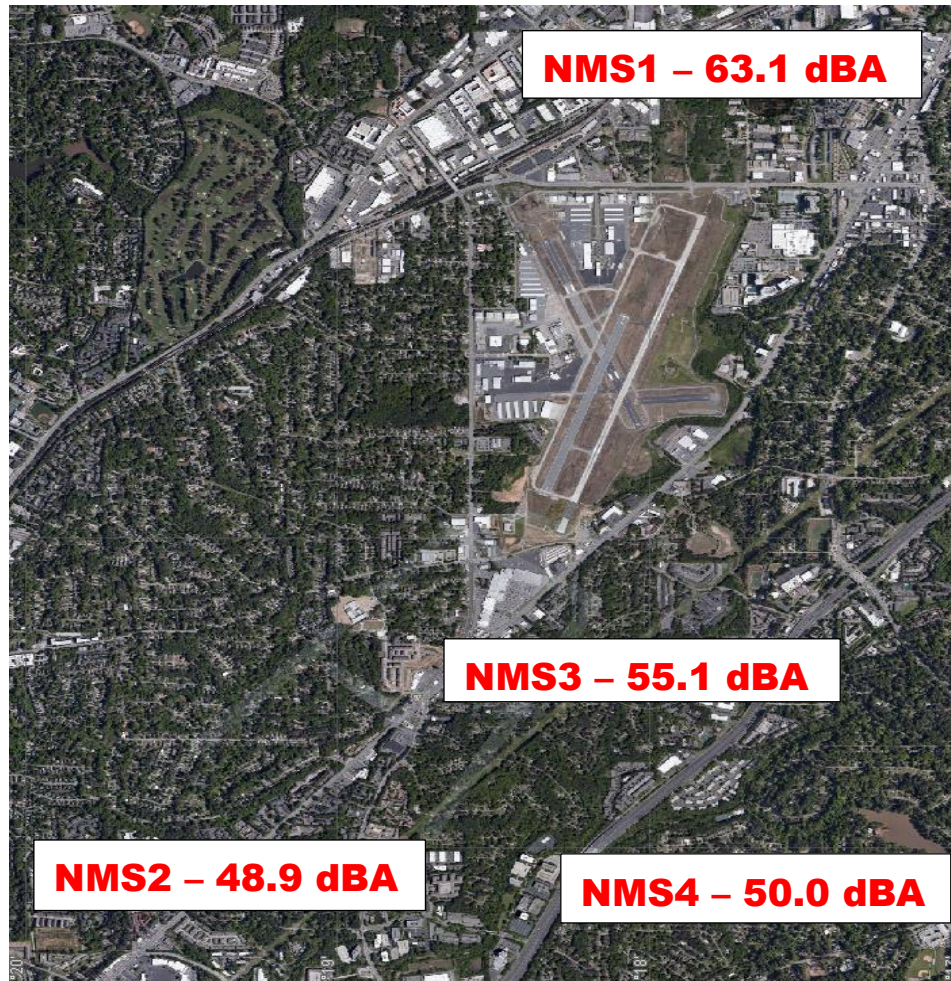
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

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_{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 **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**)

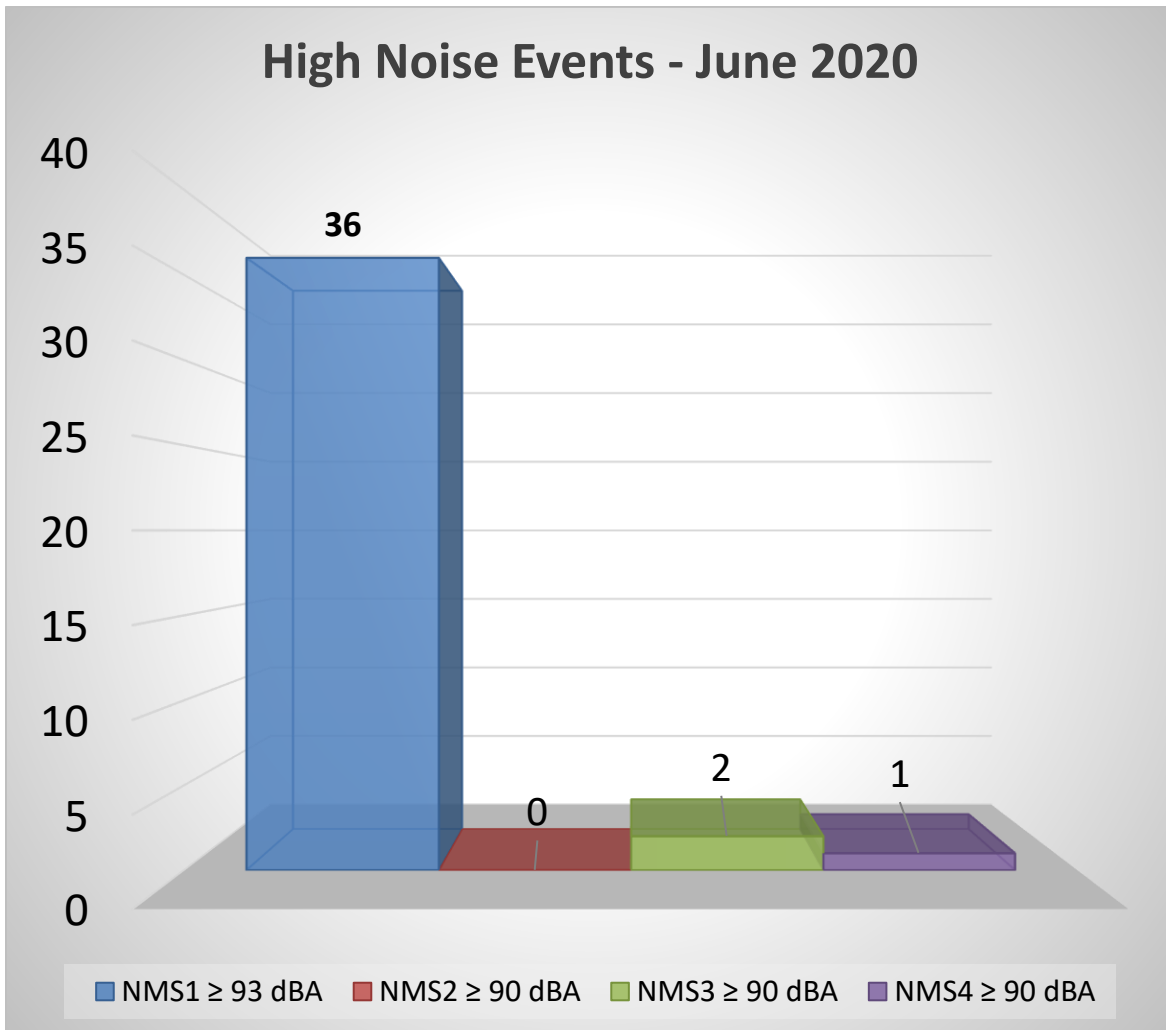
1 Aircraft with 41 Operations (**CTL67**)

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

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.

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 for airport information. You June also contact the airport about noise concerns at pdnoise@dekalbcountyga.gov or call the noise hotline at (770) 936-5442.



Monthly Noise & Operations Report March 2020

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

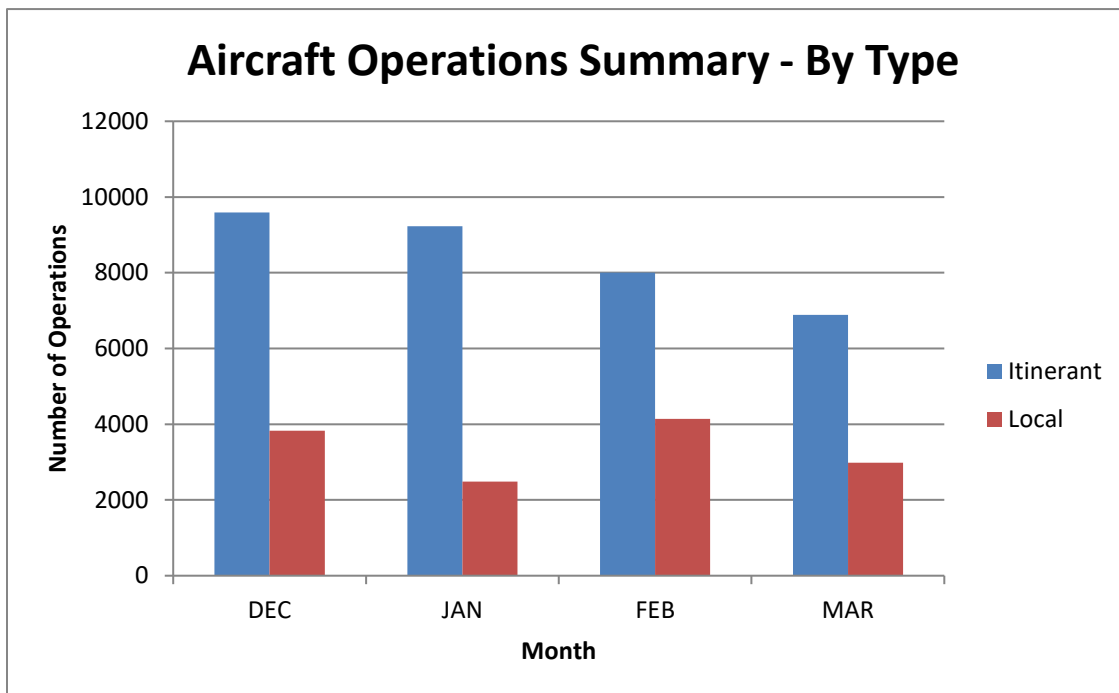
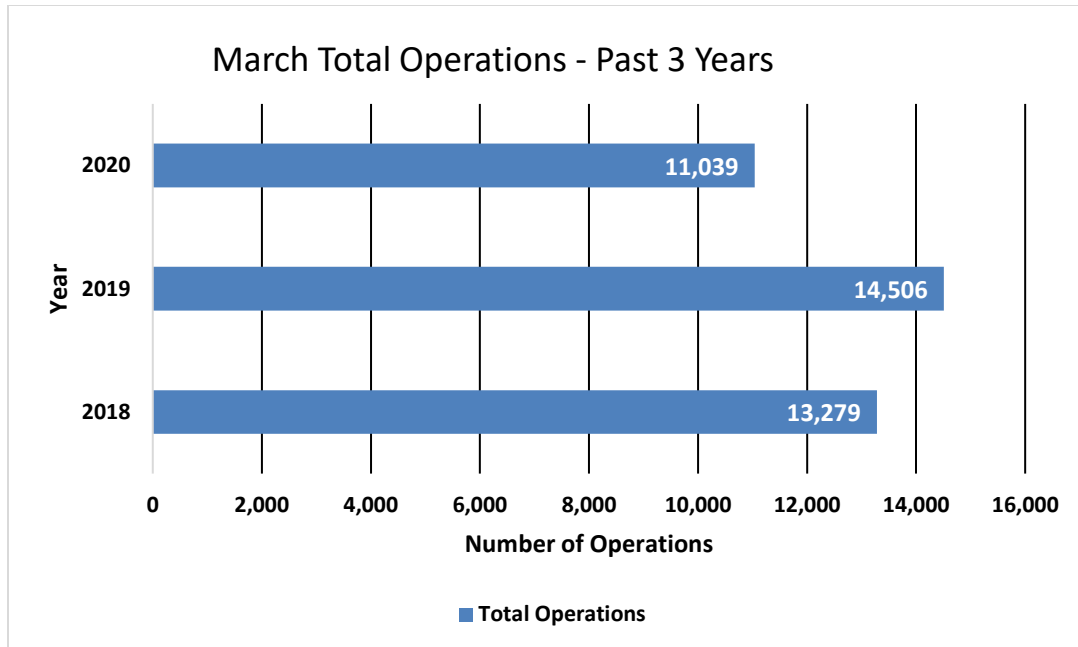
March 2020 Aircraft Operations:

	This Month	This Month, Last Year (March 2019)	% Change from March 2019	5-Year Average for Month
Total Operations	11,039	14,506	-23.90%	12,443
Itinerant	6,886	10,247	-32.80%	9,816
Local	4,153	4,259	-2.49%	3,426
Voluntary Curfew Ops	275	323	-14.86%	325
Prior Authorization	94	(1) Noise disturbance calls associated with these flights. (5) 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.

March 2020 Aircraft Operations Summary

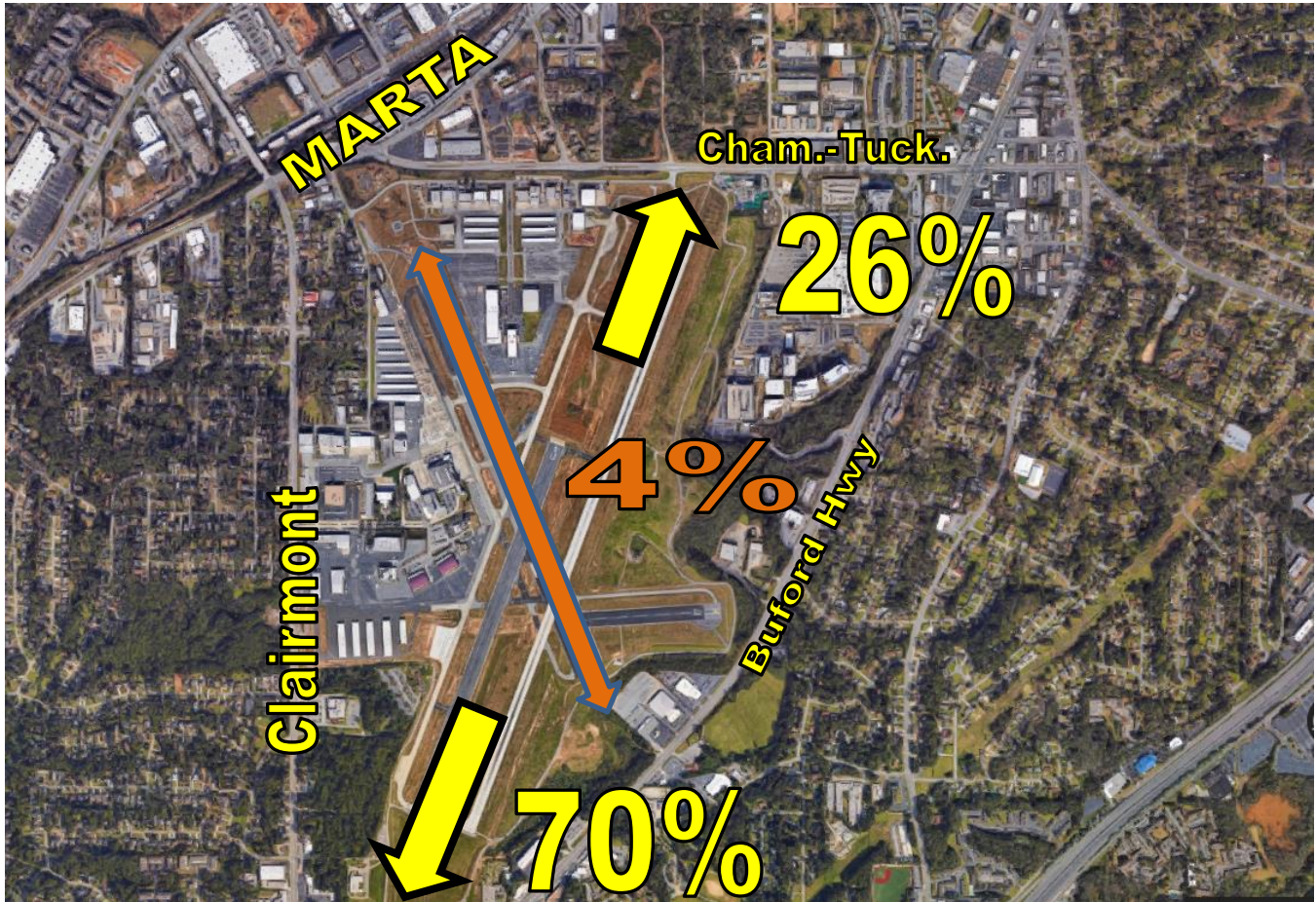


2019 Total Operations	2019 Total Operations as of Mar 2019	Total 2020 Ops as of Mar 2020
161,367	34,612	35,399 (2.27%)

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				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

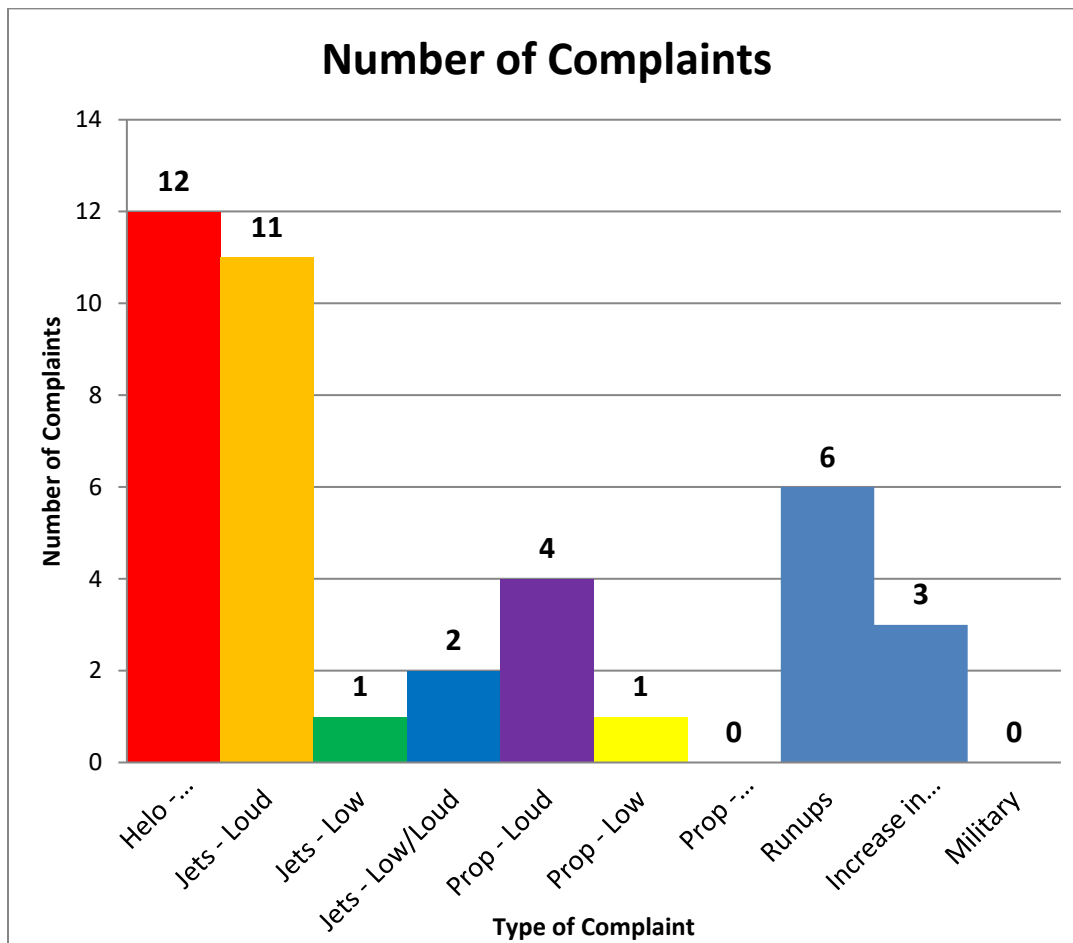
Runway Mode of Operations – March 2020

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.

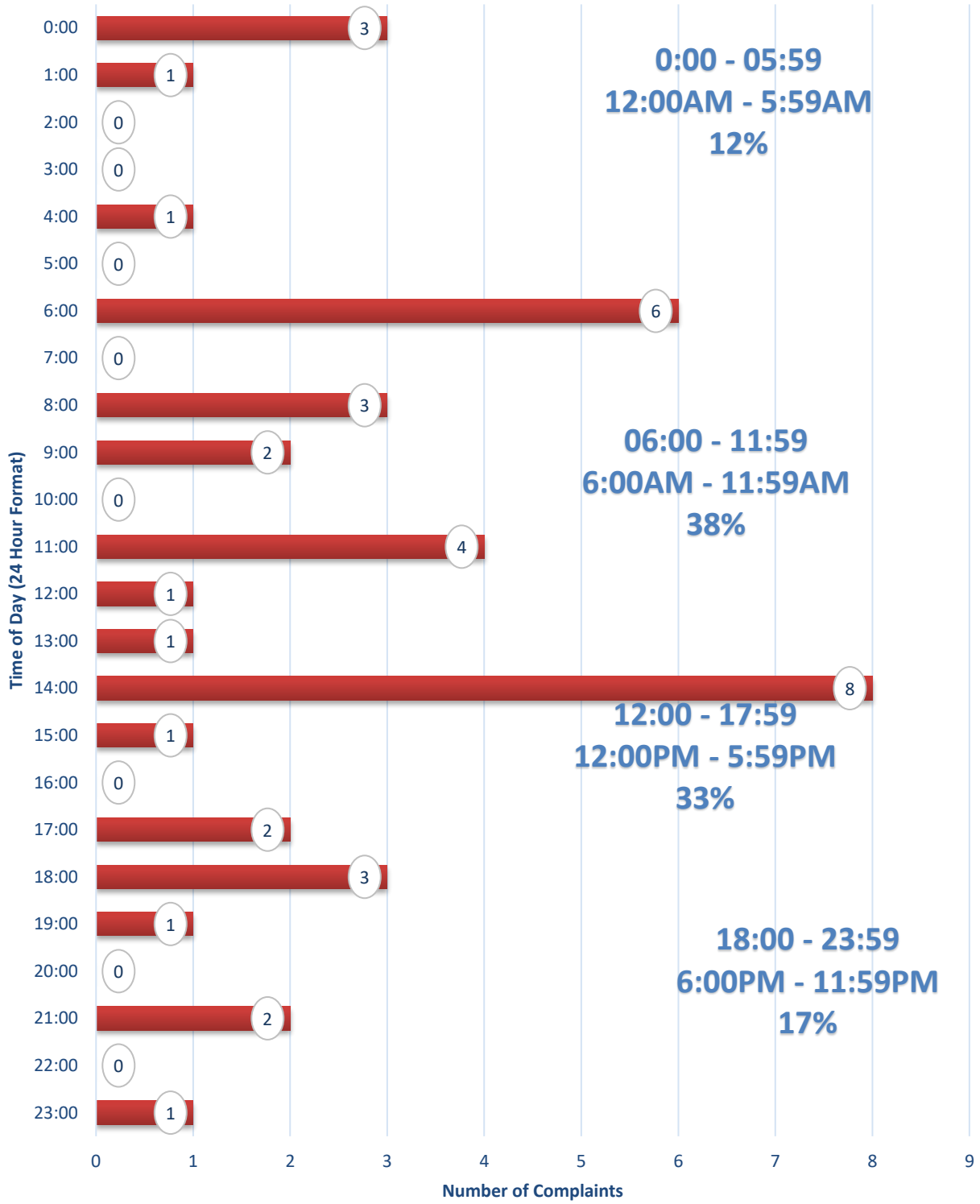


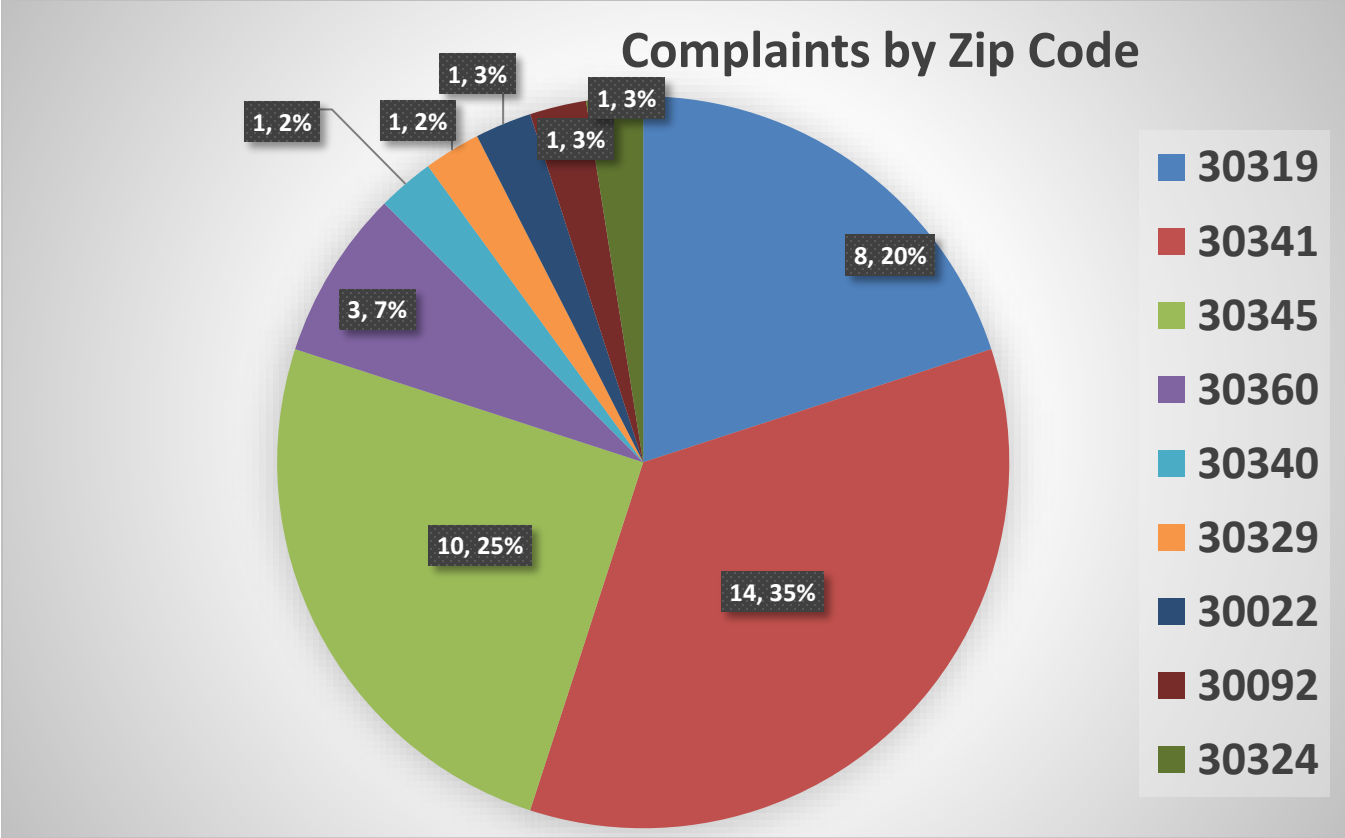
Noise Disturbance Summary

Total complaints for March 2020	Monthly Complaint Average 2020	March 2020 Complaints per Household <i>(minus top two/Households)</i>	March 2020 Complaints per Household <i>All Inclusive</i>
40	141	1.35	1.8



Number of Complaints by Hour



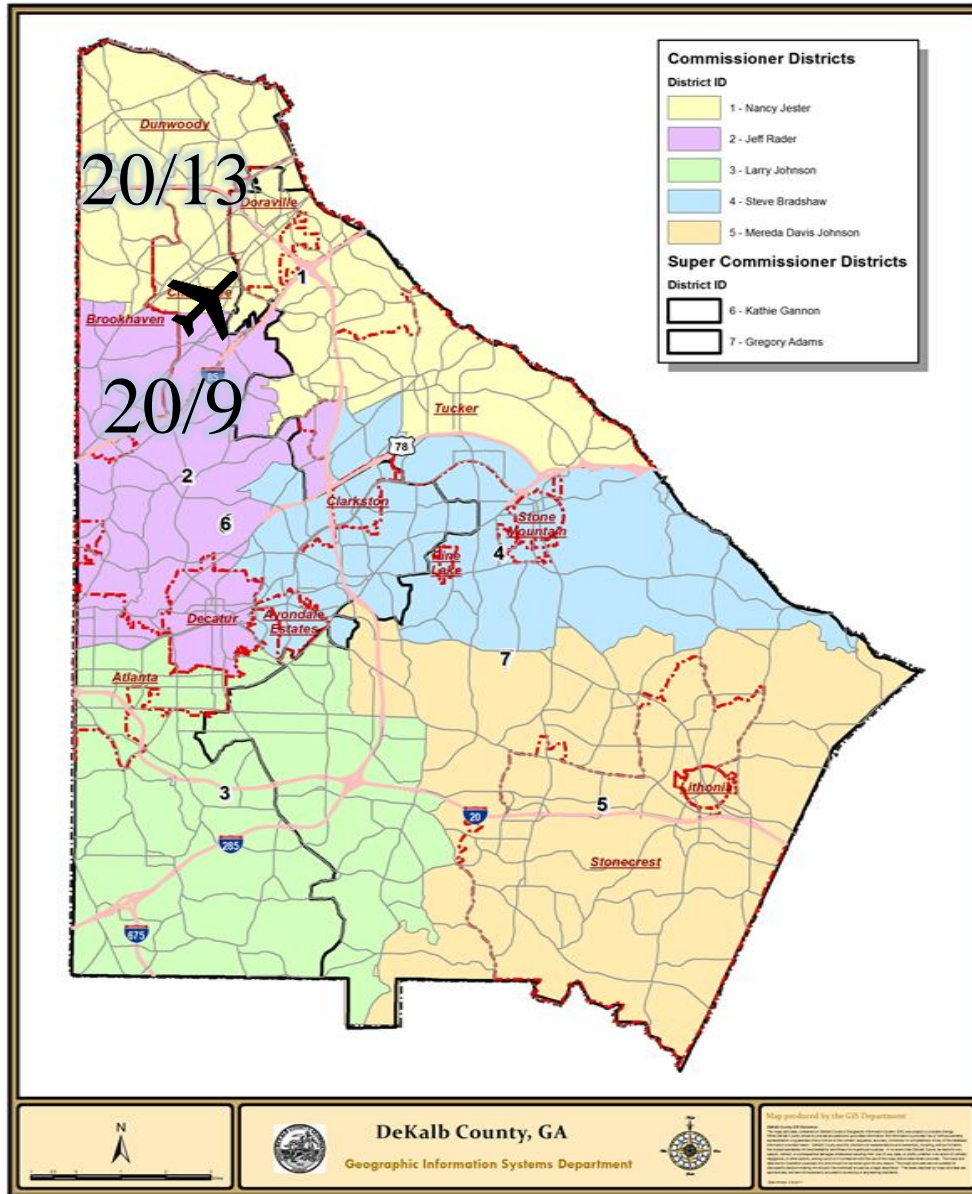


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	20%
30341	Chamblee - North	35%
30345	Chamblee - South	25%
30360	Doraville	7%
30340	Tucker	2%
30329	Druid Hills	2%
30022	Johns Creek	3%
30092	Peachtree Corners	3%
30324	Atlanta	3%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	1
Anon-2	Falling Sky Ct NE	Brookhaven	30319	1
Nagel	3905 Winters Hill Drive	Atlanta	30360	3
Anon-1	Dresden Dr	Atlanta	30341	3
Dawson	2359 Woodside Way	Chamblee	30341	2
Koeth	2010 Woodsdale Road	Atlanta	30324	1
Robertson	1969 Variations Dr NE	Atlanta	30329	1
Archer	4063 Chippewa Place	Atlanta	30319	1
Purushothaman	230 WATERS MILL TRL	Alpharetta	30022	1
Yates	1889 9th Street	Chamblee	30341	7
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	1
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
McLeroy	6178 Brookwood Rd	Peachtree Corners	30092	1
Prines-Valley	3423 Alison Dr	Doraville	30340	1
Terry	2652 Cove Circle NE	Atlanta	30319	2
Hartman	2952 Villa Esta Dr	Chamblee	30341	1
Novotny	1029 Fairway Estates	Brookhaven	30319	1
Penn	3039 Skyland Dr NE	Chamblee	30341	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	6
Douglas	2427 Coosawattee Dr NE	Atlanta	30319	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	2
Mosler	1918 Gregory Run Ne	Atlanta	30345	1

Complaints per Commission District



Total Number of Complaints

40/




Total Number of Complainants

22

There were 2 complainant(s) outside of DeKalb County with 2 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 **30 (75%)** out of **40** complaints:

- **30 or 75%** of the noise complaints were found to be **Direct** correlations
- **0 or 0 %** were **Indirect** correlations to operations
- **10 or 25%** 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

Name: Name of Complainant

Offense Start: Date/Time of offense to complainant

Flight Time: Actual Date/Time of correlated offense

Rwy: Runway

Op Type: Operation; Approach, Departure, or Overflight

Flight ID: Tail number of aircraft or military call sign

NMS: Noise Monitoring Station

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

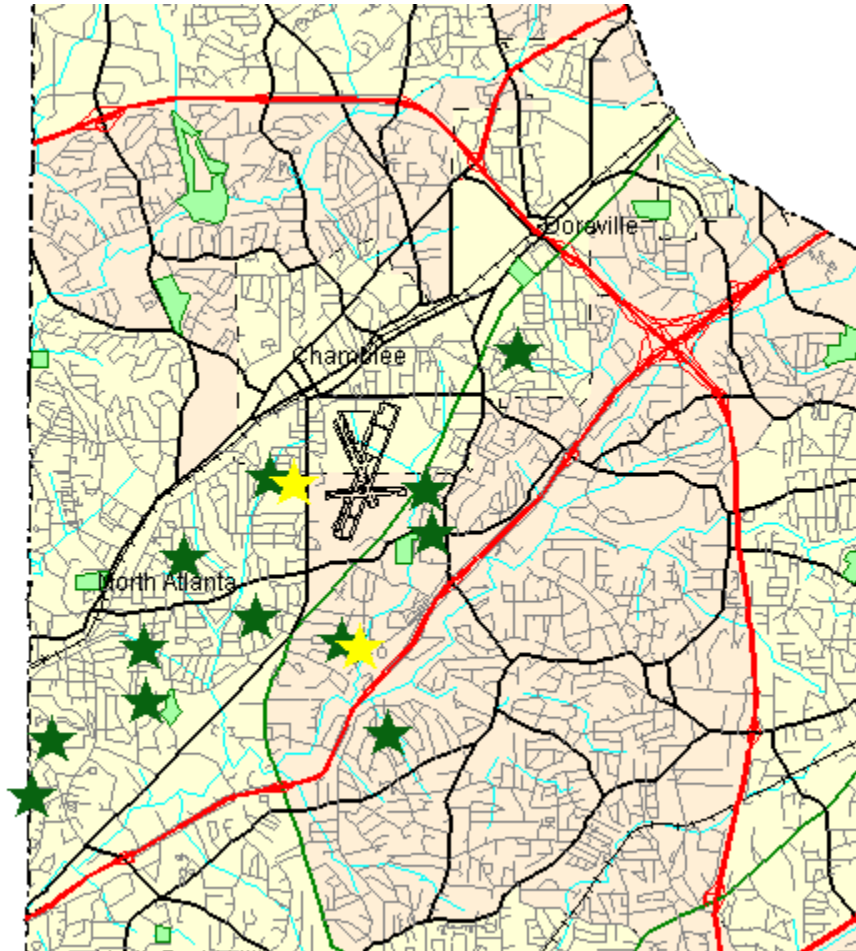
Please contact: *Korey Barnes, Airport Noise and Environmental Analyst*, for more information regarding the PDK Good Neighbor Program at (770) 936-5440 or kbarnes@dekalbcountyga.gov.

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

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Fox	3/1/2020 4:10							
Hartman	3/1/2020 14:23	3/1/2020 14:32	21R	A	UNKN	N495AU		
Anon-1	3/1/2020 14:53	3/1/2020 15:04	21R	A	UNKN	N3196Y		
Philips	3/1/2020 19:11	3/1/2020 19:06	21L	D	GLF5	PEG4		
Friedman	3/3/2020 18:23	3/3/2020 18:22	21L	D	G150	N101RX	NMS02	81.1
McLeroy	3/4/2020 14:45							
Nagel	3/4/2020 14:46	3/4/2020 14:51	21L	A	C680	N47SC		
Yates	3/5/2020 23:32	3/5/2020 23:29	21L	A	G280	N270PC		
Mosler	3/7/2020 0:12							
Penn	3/7/2020 0:48	3/7/2020 0:48	03R	D	AC50	CTL67		
Yates	3/9/2020 1:43							
Anon-2	3/9/2020 21:44							
Schneeberg	3/10/2020 9:53	3/10/2020 9:48	21R	D	UNKN	N568K		
Dawson	3/10/2020 11:00							
Dawson	3/10/2020 11:03							
Anon-1	3/10/2020 11:20	3/10/2020 11:19	21L	D	B350	GAJ805	NMS03	71.8
Robertson	3/11/2020 18:25							
Nagel	3/13/2020 14:37	3/13/2020 14:38	21L	A	BE30	N740PC		
Novotny	3/14/2020 12:19	3/14/2020 12:22	UNK	T	UNKN	N608HR		
Yates	3/15/2020 8:03	3/15/2020 8:07	03R	A	C560	N154JK		
Yates	3/15/2020 8:50	3/15/2020 8:52	03R	D	P28A	N589A		
Nagel	3/15/2020 17:20	3/15/2020 17:20	21L	A	GLF3	N330WR		
Fox	3/18/2020 6:10	3/18/2020 6:05	UNK	D	UNKN	N2AQ		
Fox	3/18/2020 6:48	3/18/2020 6:48	21L	D	C550	N695TA	NMS03	81.5

Fox	3/18/2020 6:56	3/18/2020 6:55	21L	D	C25B	DPJ329	NMS03	75.1
Douglas	3/18/2020 18:17	3/18/2020 18:17	21R	D	UNKN	N103AV		
Yates	3/18/2020 21:25	3/18/2020 21:29	21L	D	GLF4	XGN290	NMS03	80.8
Archer	3/19/2020 13:08							
Yates	3/19/2020 17:51	3/19/2020 17:48	21R	T	UNKN	N160EU	NMS03	76.5
Yates	3/20/2020 0:48	3/20/2020 0:59	03R	D	AC50	CTL67		
Koeth	3/21/2020 14:22	3/21/2020 14:21	UNK	A	GLF4	JTL268		
Fox	3/22/2020 6:10	3/22/2020 5:57	21L	A	LJ75	N16PC		
Anon-1	3/25/2020 15:00	3/25/2020 15:02	UNK	A	GLF4	N444QC		
Prines-Valley	3/26/2020 14:45	3/26/2020 14:50	UNK	A	PA32	N4176X	NMS01	80.1
Terry	3/27/2020 14:41	3/27/2020 14:24	21R	D	UNKN	N322CA		
Philips	3/28/2020 8:32	3/28/2020 8:25	21R	D	BE33	N3827Q	NMS03	74.2
Purushothaman	3/28/2020 9:28							
Terry	3/28/2020 11:14	3/28/2020 11:19	21L	D	BE36	N2317V	NMS03	72.5
Fox	3/31/2020 6:17	3/31/2020 6:10	21L	D	UNKN	N553LB	NMS03	77.9
Hunnicut	3/31/2020 6:20	3/31/2020 6:10	21L	D	UNKN	N553LB	NMS04	78.1

Disturbance Location Pin Map – March 2020



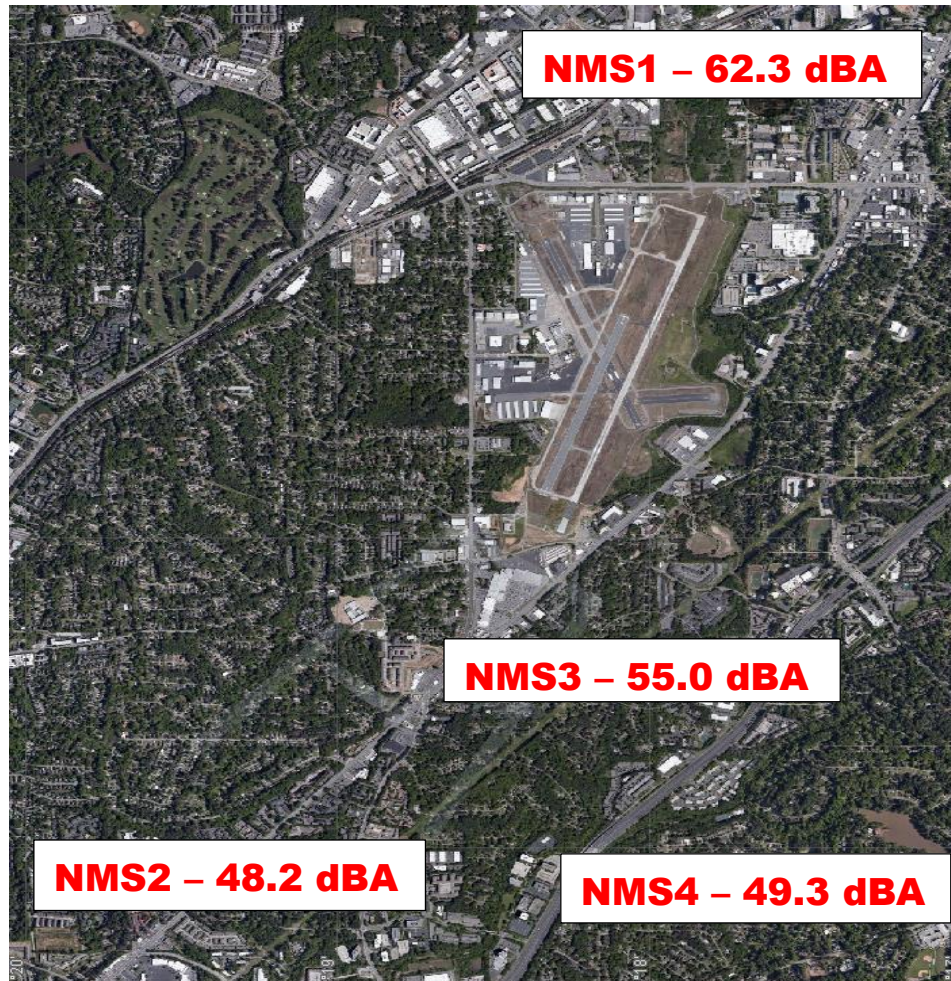
- ★ 1-5 Complaints
- ★ 6-10 Complaints
- ★ 11+ Complaints

Complainants with Complaints Total

(2 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

March 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 **273 (99.26%)** of the **275** operations during the voluntary curfew period (11PM-6AM) during the month of **March 2020**. Of the **273** identified operations, **174 (63.7%)** 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, **57 one-time** operations were conducted during this period.
- Out of the *identified* operations, **216 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:

93 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.

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

Complaints received from operations conducted during the voluntary curfew period:

184 complaints were received during **March 2020**.

68 (37%) 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 – March 2020 N#'s (Multi-Use):

23 Aircraft with 2 Operations (**N63AE**, EJA501, N418DL, N156DH, **N525LX**, N245PE, N179SF, EJA341, **N423AE**, **N911AL**, N4TL, **CTE816**, **N553AE**, **N900PS**, N683GA, N94AD, N401SM, N949SA, N349D, EJA649, N349SB, **N30LP**, **N304JT**)

2 Aircraft with 3 Operations (**N423AE**, **N895CR**)

3 Aircraft with 4 Operations (N826AC, N16PC, N154JK)

2 Aircraft with 6 Operations (**CTE585**)

1 Aircraft with 16 Operations (**SKQ43**)

1 Aircraft with 39 Operations (**CTL67**)

1 Aircraft with 59 Operations (**N208LS**)

4 Aircraft with 8 Operations (N103AV, **N445CH**, **EMD28**, **SKQ44**)

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

20 Aircraft with 2 Operations (N179SF, N600CH, N541S, **N900PS**, N133PE, N859PL, **LBQ865**, N60612, 553LB, 617BZ, N102SW, **N119AE**, N767XT, **LBQ875**, N365GA, N305PL, N288SF, N905FJ)

4 Aircraft with 3 Operations (JTL480, **N423AE**, N131EA, N81P)

1 Aircraft with 12 Operations (**SKQ44**)

3 Aircraft with 4 Operations (**EMD28**, **CTE615**, N2AQ)

1 Aircraft with 17 Operations (**SKQ43**)

2 Aircraft with 5 Operations (**N525LX**, **N895CR**)

1 Aircraft with 40 Operations (**CTL67**)

1 Aircraft with 8 Operations (N103AV)

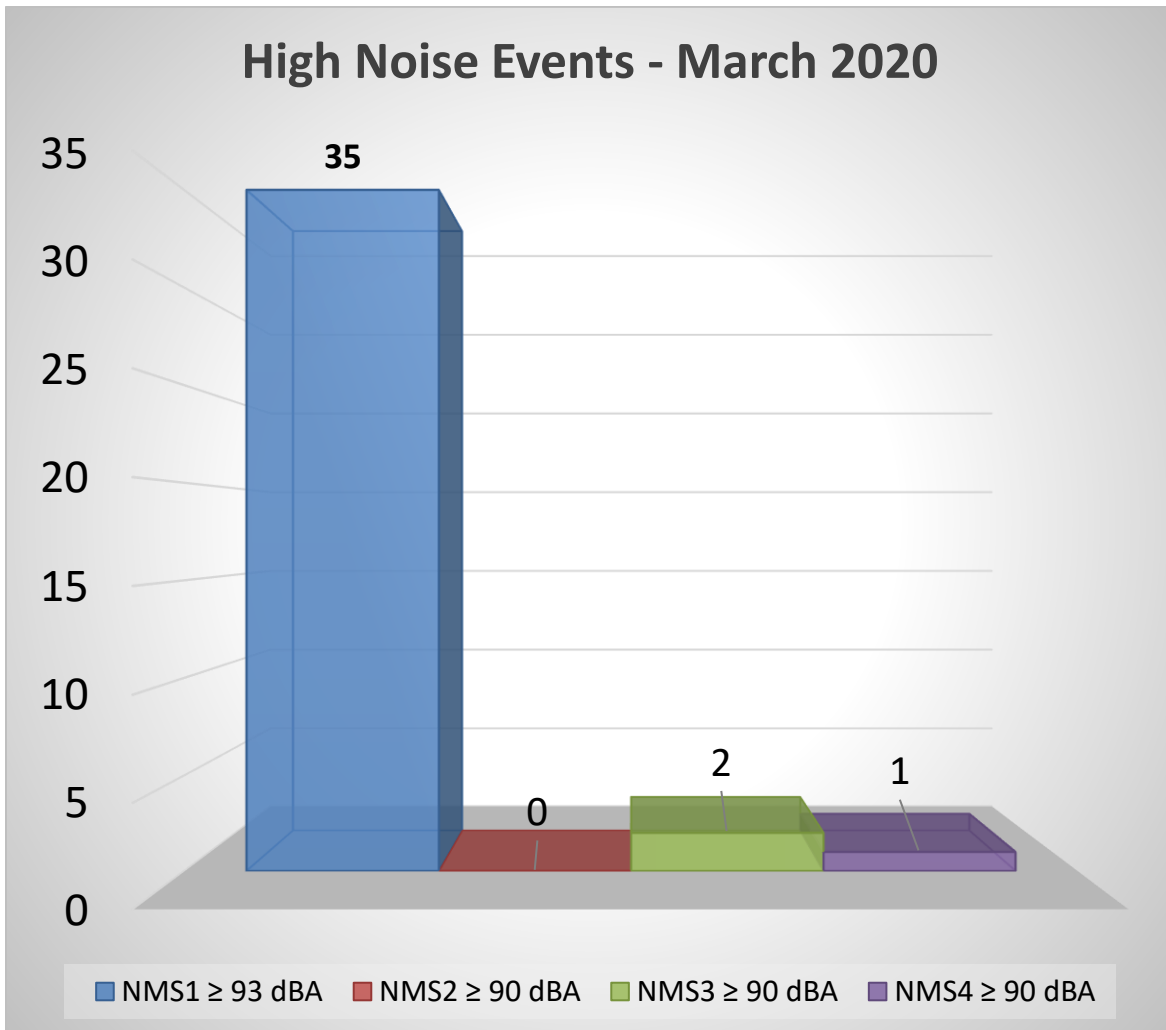
1 Aircraft with 10 Operations (**N445CH**)

1 Aircraft with 53 Operations (**N208LS**)

A total of **99** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **March** 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 **42** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



March 2020

35 Aircraft with 1 High Noise Event (TFF980, N725WF, N682GA, EJM790, N823MC, JTL480, EJA532, N500FZ, N103AV, N68GA, N114HC, N800TH, N116RW, N977LC, N1D, DCM4068, N200WL, N501RP, N236D, N525F, N27GA, N683GA, N30WR, N711P, N323P, N77ME, N330WR, N8176R, N359BC, N891SH, N36EE, N990MM, N400WF, N428JD, N499PA)

1 Aircraft with 2 High Noise Events (N50HN)

1 Unknown Aircraft

February 2020

37 Aircraft with 1 High Noise Event (N905FJ, N588CC, N434BZ, FNX1176, EJA653, GTH505, DCM1210, JTL118, N500GF, JTL73, EJA319, LXJ378, N8834M, N1097Z, UJC522, N116RW, N365EG, N129CJ, N450EF, N150TC, N568K, N183MS, N609MH, N228PG, N735XL, N741MM, N800EM, N262CW, N831VP, N26NJ, N900QC, N270PC, TMC450, N27GA, UJC523, CTL67, N351GC)

2 Aircraft with 2 High Noise Events (NJ725WF, N791CP)

1 Aircraft with 3 High Noise Events (N30WR)

1 Aircraft with 4 High Noise Events (CTL67)

1 Aircraft unknown

Comments/Concerns?

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



Monthly Noise & Operations Report May 2020

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

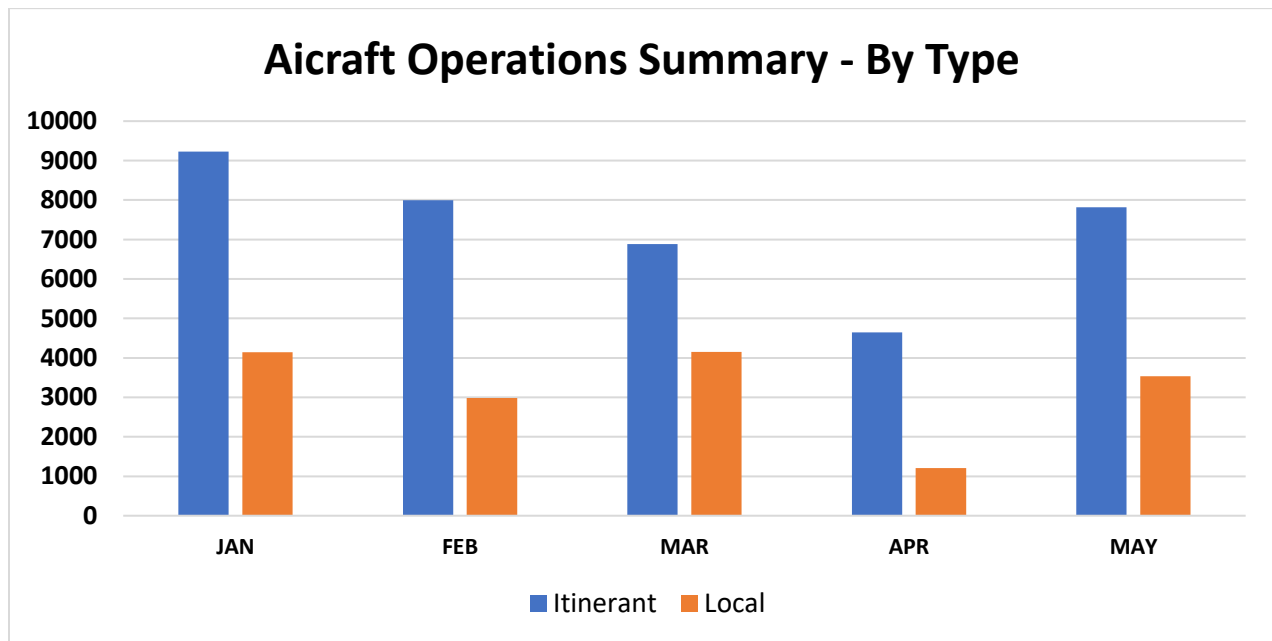
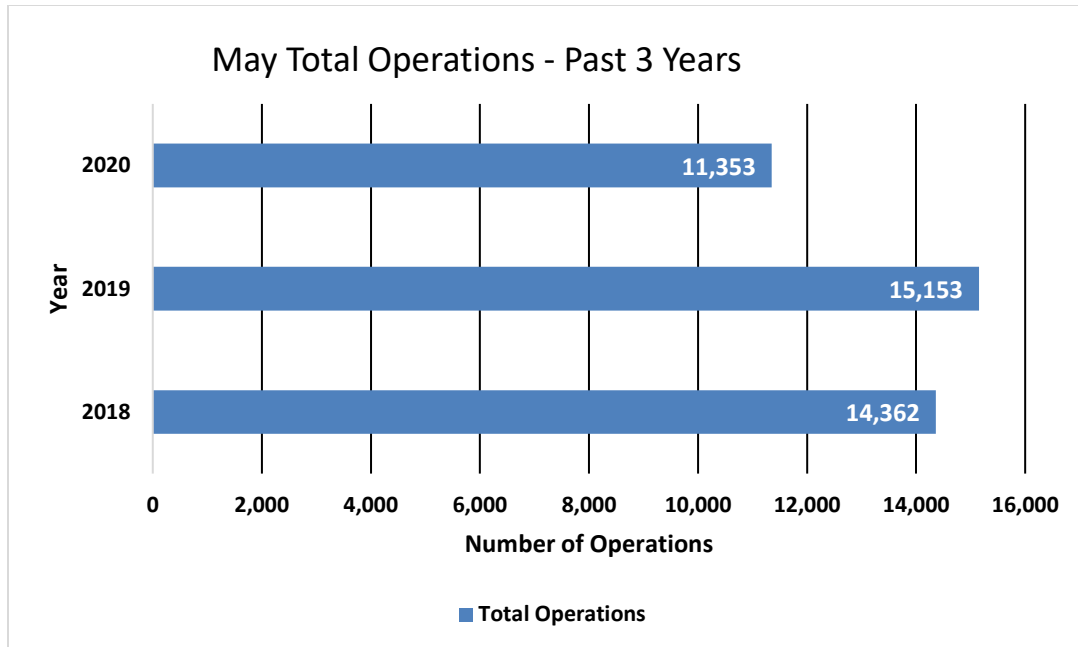
May 2020 Aircraft Operations:

	This Month	This Month, Last Year (May 2019)	% Change from May 2019	5-Year Average for Month
Total Operations	11,353	15,153	-25.08%	13,675
Itinerant	7,819	10,904	-28.29%	9,846
Local	3,534	4,249	-16.83%	3,829
Voluntary Curfew Ops	259	358	-27.65%	341
Prior Authorization	61	(1) Noise disturbance calls associated with these flights. (4) 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.

May 2020 Aircraft Operations Summary

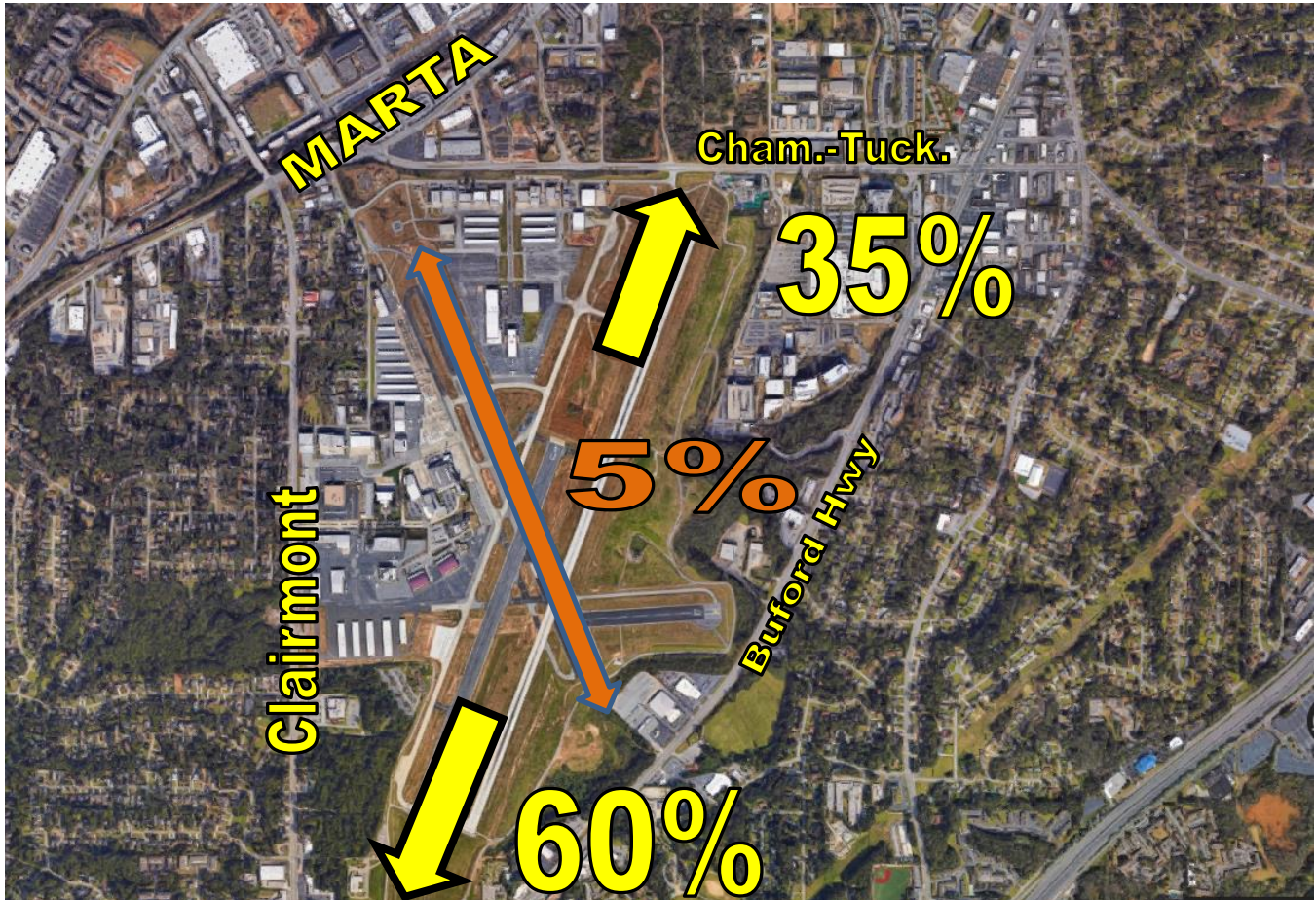


2019 Total Operations	2019 Total Operations as of May 2019	Total 2020 Ops as of May 2020
161,367	63,231	52,604 (-16.81%)

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				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

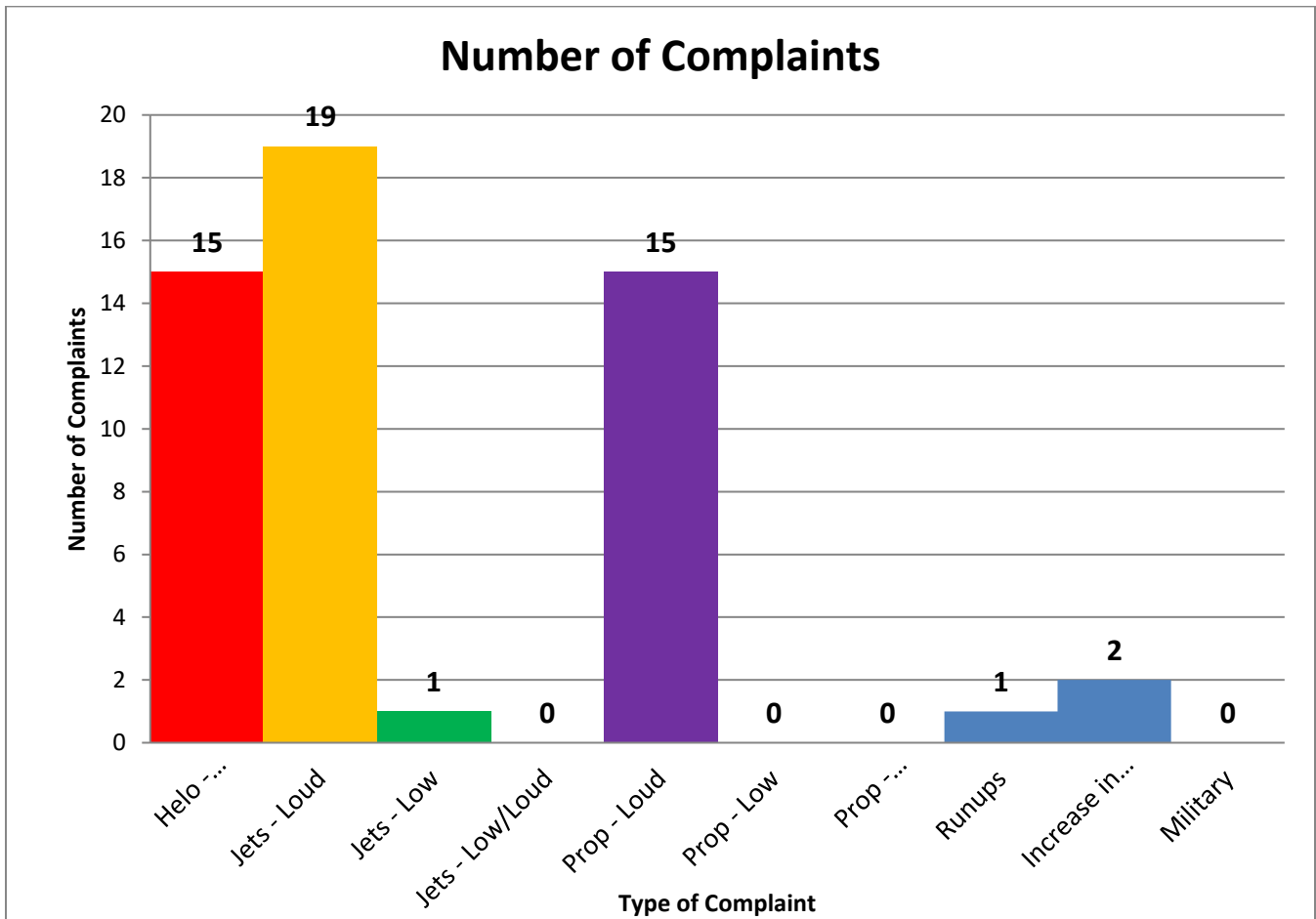
Runway Mode of Operations – May 2020

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.

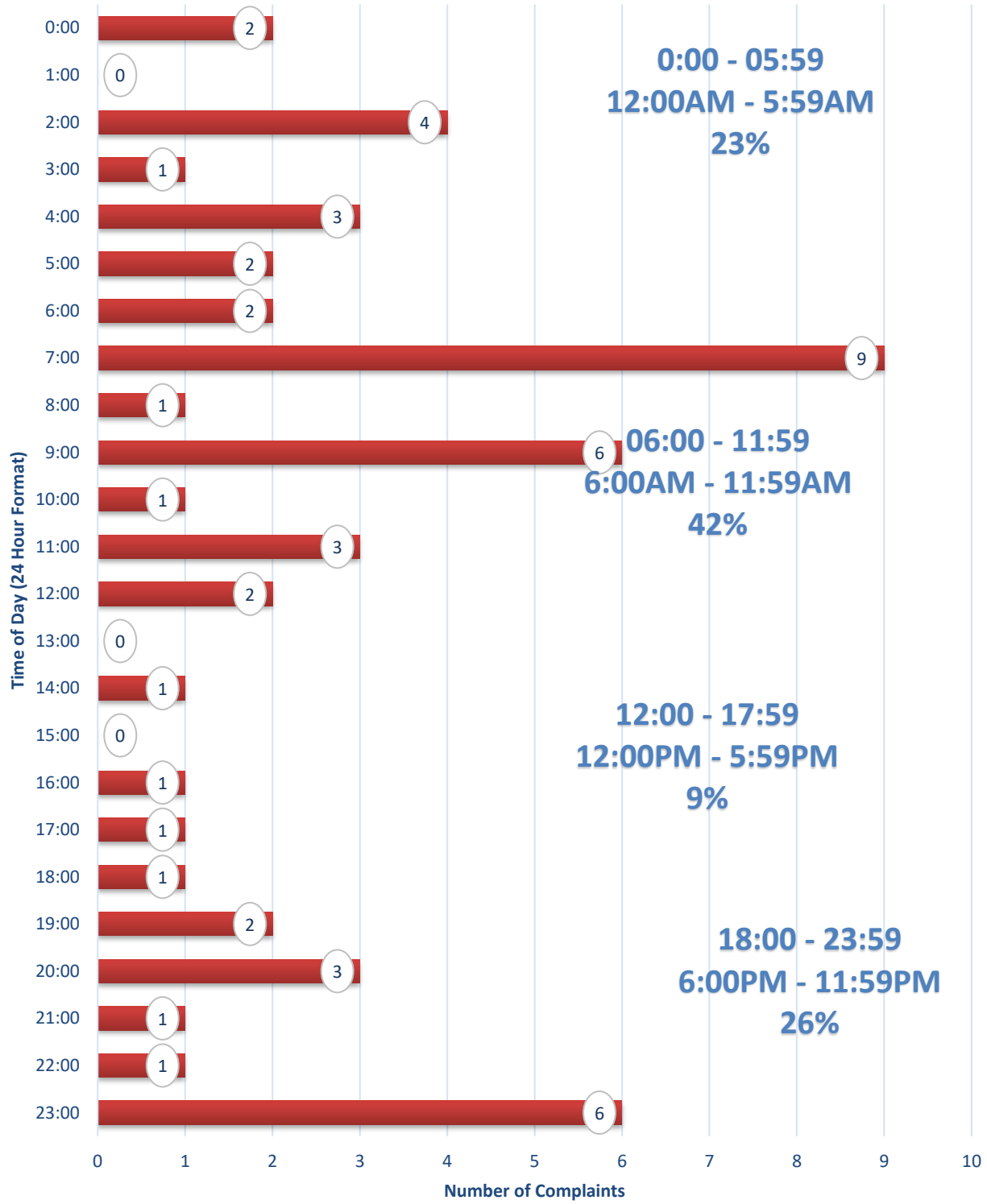


Noise Disturbance Summary

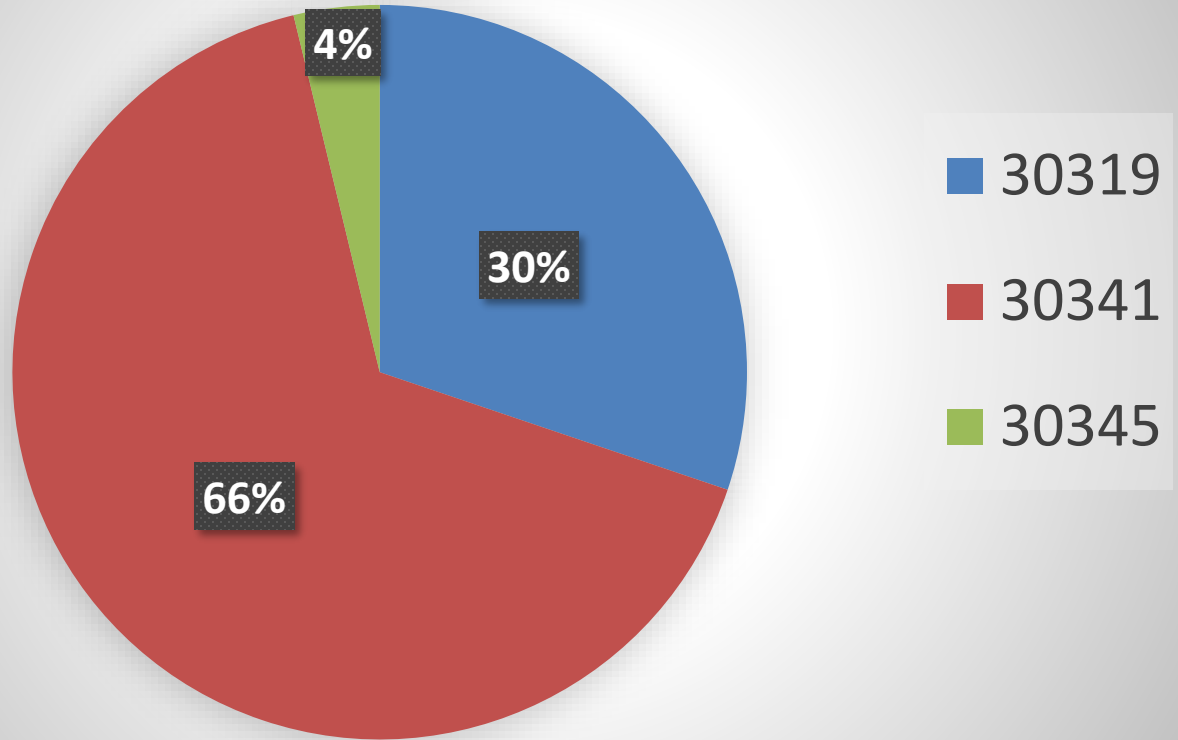
Total complaints for May 2020	Monthly Complaint Average 2020	May 2020 Complaints per Household <i>(minus top two/Households)</i>	May 2020 Complaints per Household <i>All Inclusive</i>
53	105	1.6	5.8



Number of Complaints by Hour



Comaplaints By Zip Code

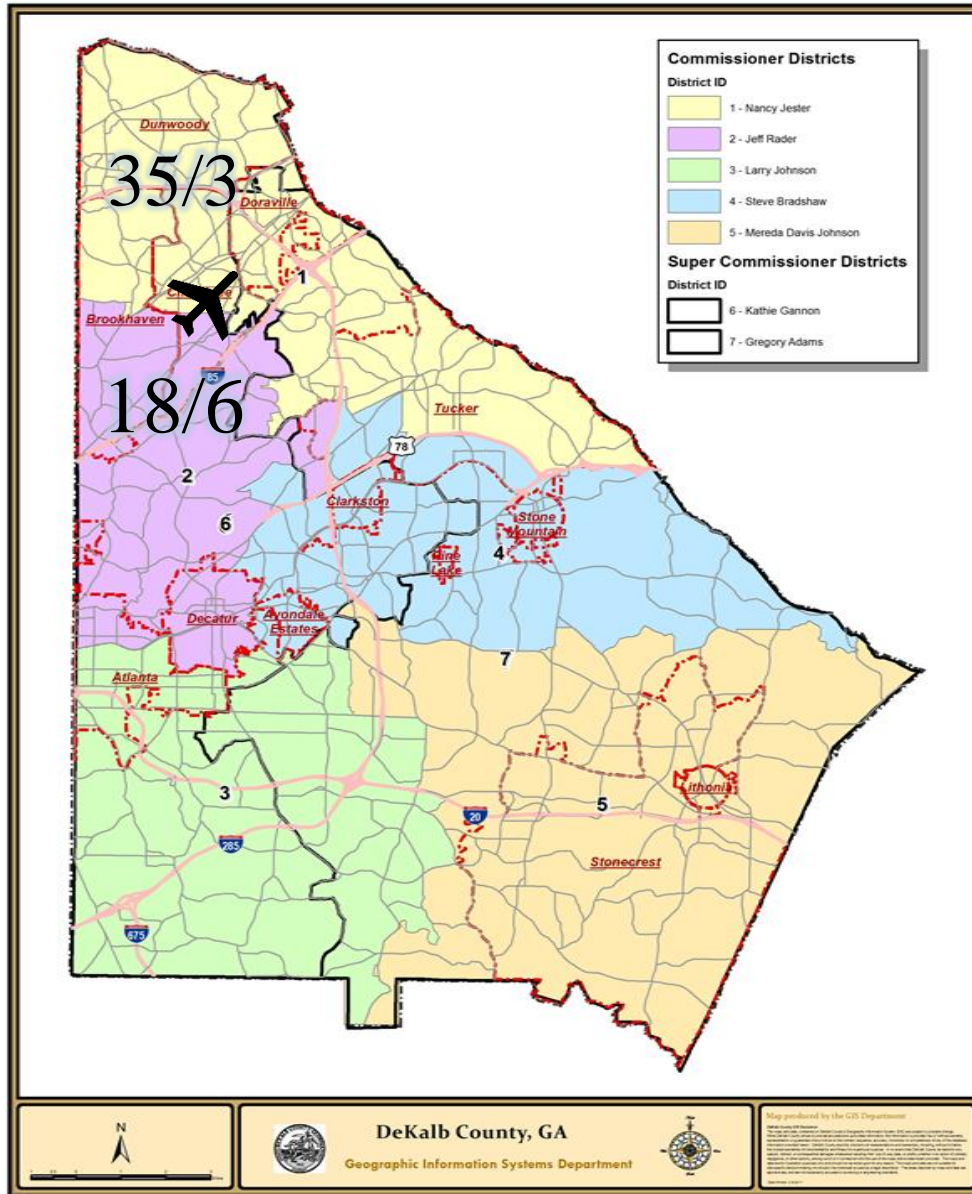


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	30%
30341	Chamblee - North	66%
30345	Chamblee - South	4%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	4
Masone	2352 Burch Cir NE	Atlanta	30319	2
Anon -1	Dresden Dr	Atlanta	30341	33
Yates	1889 9th Street	Chamblee	30341	1
Davidian	1806 Duke Road	Chamblee	30341	1
Terry	2652 Cove Circle NE	Atlanta	30319	9
Anon - 2	Warwick Cir NE	Chamblee	30345	1
Anon - 3	Groveglan Ct	Atlanta	30345	1
Moss	2360 Drew Valley Road NE	Brookhaven	30319	1

Complaints per Commission District



35/3

18/6

Total Number of Complaints

Total Number of Complainants




53/

9

There were 0 complainant(s) outside of DeKalb County 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 **49 (92%)** out of **53** complaints:

- **47 or 88.8%** of the noise complaints were found to be **Direct** correlations
- **2 or 3.7 %** were **Indirect** correlations to operations
- **4 or 7.5%** 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.

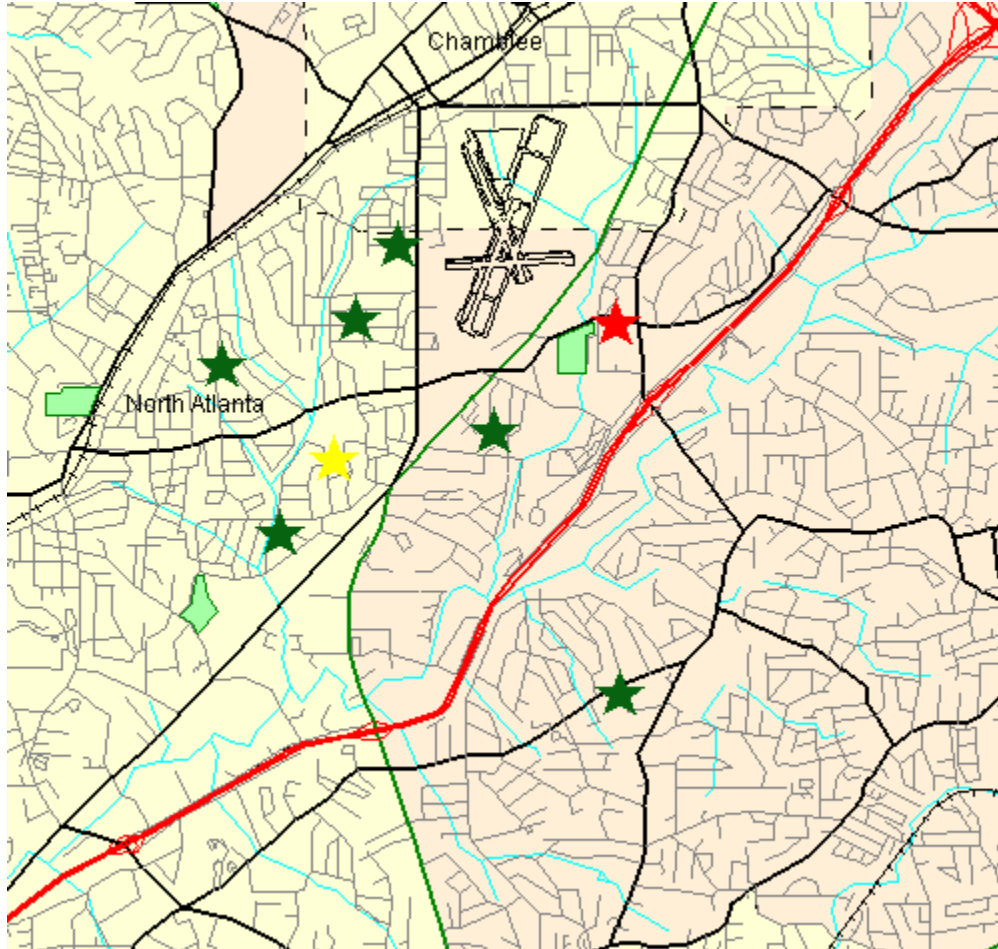
PDK maintains a **hotline** that permits residents to report noise concerns by dialing: **(770) 936-5442** or e-mailing: pdnoise@dekalbcountyga.gov

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon-1	5/1/2020 2:24	5/1/2020 2:32	03R	A	C208	N208LS	NMS03	71.7
Anon-1	5/1/2020 5:39	5/1/2020 5:29	03R	D	C525	N525LX	NMS03	70.5
Terry	5/2/2020 9:48	5/2/2020 9:33	21R	D	C172	N61942		
Terry	5/2/2020 9:53	5/2/2020 9:41	21R	D	UNKN	N2974T		
Yates	5/2/2020 21:13	5/2/2020 21:05	21R	D	UNKN	N349SB	NMS03	75.1
Anon-1	5/3/2020 12:22	5/3/2020 12:37	UNK	A	UNKN	N543BZ		
Anon-1	5/4/2020 2:46	5/4/2020 2:50	21L	A	C560	N154JK	NMS03	69.2
Terry	5/5/2020 7:11	5/5/2020 6:57	21R	D	UNKN	N236D		
Terry	5/5/2020 7:15	5/5/2020 6:58	21L	D	H25B	N499PA	NMS03	71.9
Terry	5/5/2020 7:18	5/5/2020 6:58	21L	D	H25B	N499PA	NMS03	71.9
Terry	5/5/2020 7:24	5/5/2020 7:28	21R	D	PC12	N22NG		
Terry	5/5/2020 7:28	5/5/2020 7:28	21R	D	PC12	N22NG		
Terry	5/5/2020 7:34	5/5/2020 7:04	21R	D	UNKN	N322CA		
Terry	5/5/2020 7:40	5/5/2020 7:11	21R	D	P28A	N534A		
Anon-1	5/6/2020 7:12	5/6/2020 7:05	03R	D	G280	N86CW		
Schneeberg	5/6/2020 16:46	5/6/2020 16:40	UNK	A	UNKN	N165AE	NMS02	75.2
Anon-1	5/7/2020 10:39	5/7/2020 10:42	34	A	UNKN	N427TJ		
Anon-1	5/7/2020 22:39	5/7/2020 22:42	21L	A	GLF4	N102BQ	NMS03	78.1
Anon-1	5/7/2020 23:16	5/7/2020 22:49	03R	D	CL35	LXJ588		
Davidian	5/8/2020 0:53	5/8/2020 0:52	03R	D	LJ31	N211RN		
Anon-1	5/9/2020 2:55	5/9/2020 2:52	03R	D	UNKN	CTL67		
Anon-1	5/9/2020 2:58	5/9/2020 2:41	03R	D	C208	N208LS	NMS03	78.9
Anon-1	5/10/2020 0:55							
Anon-1	5/10/2020 7:41	5/10/2020 7:34	03L	D	UNKN	N676A		
Anon-1	5/10/2020 14:37	5/10/2020 14:32	21L	D	GLF4	N444QC		
Anon-1	5/11/2020 9:36	5/11/2020 9:35	34	A	BE58	N80XX		
Anon-1	5/11/2020 9:55	5/11/2020 9:50	03R	D	UNKN	N335R		
Anon-1	5/14/2020 6:06	5/14/2020 6:04	16	D	UNKN	N2AQ		
Anon-1	5/14/2020 9:14	5/14/2020 9:14	21L	D	GLF5	N103AK	NMS03	71.4

Anon-1	5/14/2020 23:23	5/14/2020 23:19	03R	A	P32R	N349SB		
Anon-1	5/15/2020 4:11	5/15/2020 4:04	21L	D	C208	N208LS	NMS03	69.8
Anon-2	5/16/2020 20:30	5/16/2020 20:29	21L	D	GLF4	N685MF	NMS03	85.9
Masone	5/19/2020 9:55	5/19/2020 9:41	21R	D	S22T	N918DT	NMS02	79
Anon-1	5/21/2020 3:08	5/21/2020 3:07	16	D	C208	N208LS		
Anon-1	5/22/2020 6:06	5/22/2020 6:04	34	D	UNKN	N2AQ		
Anon-1	5/23/2020 4:33	5/23/2020 4:25	21L	D	C525	N525JW	NMS03	77.1
Anon-1	5/23/2020 11:29	5/23/2020 11:04	16	D	UNKN	N7109C		
Anon-1	5/23/2020 11:43	5/23/2020 11:45	21L	A	E55P	EJA434		
Anon-1	5/23/2020 11:51	5/23/2020 11:55	21L	A	UNKN	N7664F		
Anon-3	5/23/2020 12:57	5/23/2020 12:50	21L	D	C560	N905LC		
Schneeberg	5/23/2020 19:41	5/23/2020 19:38	21R	D	UNKN	N206TJ	NMS02	71.1
Schneeberg	5/23/2020 20:10	5/23/2020 20:08	21R	T	UNKN	N206TJ		
Schneeberg	5/26/2020 17:52	5/26/2020 17:40	21L	D	UNKN	N428JD		
Anon-1	5/26/2020 23:28							
Anon-1	5/26/2020 23:38							
Moss	5/27/2020 4:41							
Anon-1	5/28/2020 23:04	5/28/2020 23:01	UNK	O	UNKN	N887AE		
Masone	5/29/2020 8:00	5/29/2020 7:55	21R	D	UNKN	N744A		
Anon-1	5/30/2020 5:07	5/30/2020 4:49	21L	D	E55P	N300GV		
Anon-1	5/30/2020 18:46	5/30/2020 18:50	03L	A	SR20	N871CD		
Anon-1	5/30/2020 19:46	5/30/2020 19:53	03R	A	C56X	N83GB		
Anon-1	5/30/2020 20:38	5/30/2020 20:17	UNK	O	UNKN	N1006V		

Anon-1	5/30/2020 23:11	5/30/2020 23:27	03R	D	C421	N41019		
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Disturbance Location Pin Map – May 2020



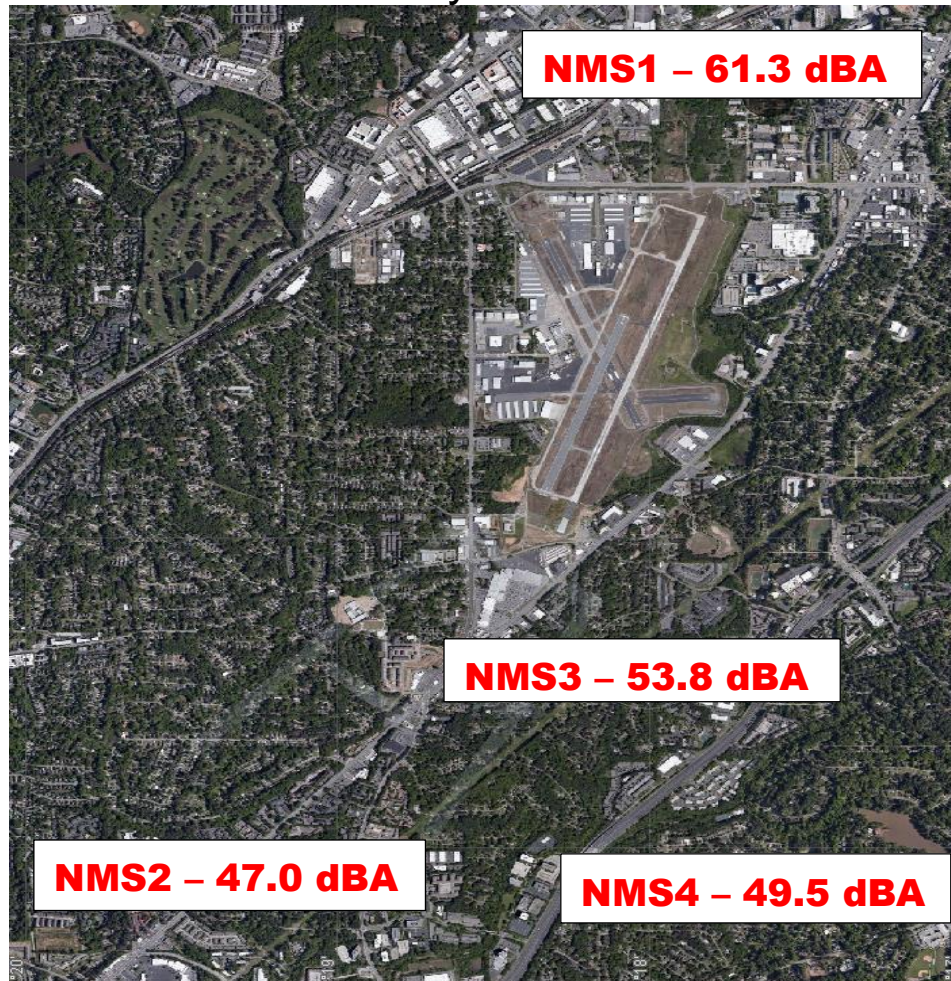
- ★ 1-5 Complaints
- ★ 6-10 Complaints
- ★ 11+ Complaints

Complainants with Complaints Total

(0 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

May 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 **259 (100%)** of the **259** operations during the voluntary curfew period (11PM-6AM) during the month of **May 2020**. Of the **259** identified operations, **171 (66%)** 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, **39 one-time** operations were conducted during this period.
- Out of the *identified* operations, **220 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:

83 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.

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

Complaints received from operations conducted during the voluntary curfew period:

53 complaints were received during **May 2020**.

18 (34%) 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 – 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**)

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

15 Aircraft with 2 Operations (N895CR, N525LX, N131AJ, N154JK, N553AE, N156DH, N9868VM N179SF, N500TH, N309CJ, N539RM, N336AE, N891AA, OLV750, CTE816, N900PS)

3 Aircraft with 3 Operations (CTE491, N377P, N9686M)

3 Aircraft with 4 Operations (N355AE, N165AE, CTE585)

2 Aircraft with 6 Operations (N103AV)

1 Aircraft with 11 Operations (N445CH)

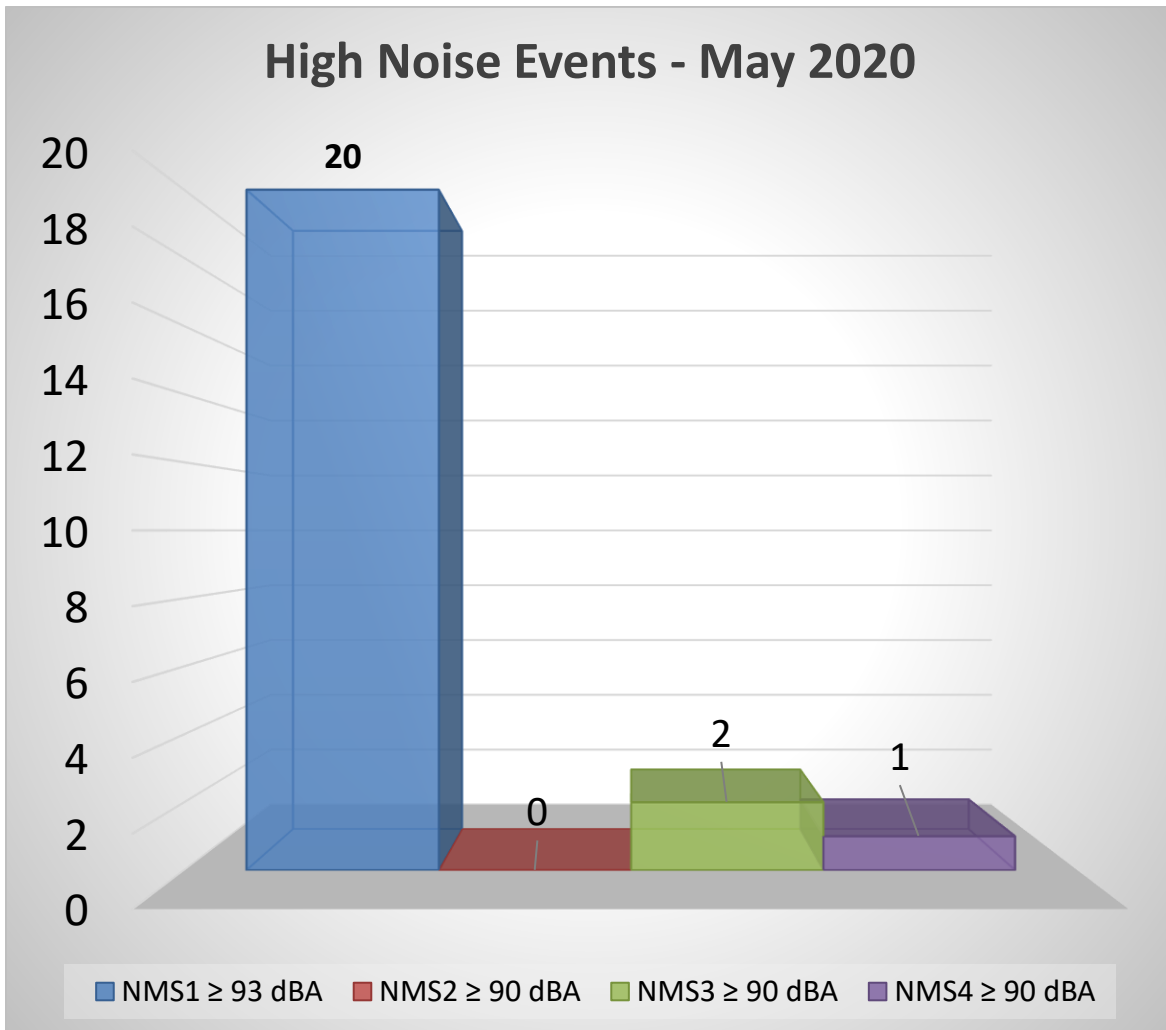
1 Aircraft with 37 Operations (CTL67)

1 Aircraft with 55 Operations (N208LS)

A total of **88** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **May** 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 **23** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



May 2020

18 Aircraft with 1 High Noise Event (N977LC, N727KB, N581RS, JTL58, N900QC, N330WR, N103AV, N434BZ, N671GG, N472GJ, N791CP, N495AU, N9644M, N499PA, XAICU, XAMMI, N541S, N518SB)

1 Aircraft with 2 High Noise Events (DCM3541)

1 Aircraft with 3 High Noise Events (N611RW)

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 for airport information. You may also contact the airport about noise concerns at pdnoise@dekalbcountyga.gov or call the noise hotline at (770) 936-5442.



Monthly Noise & Operations Report November 2020

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

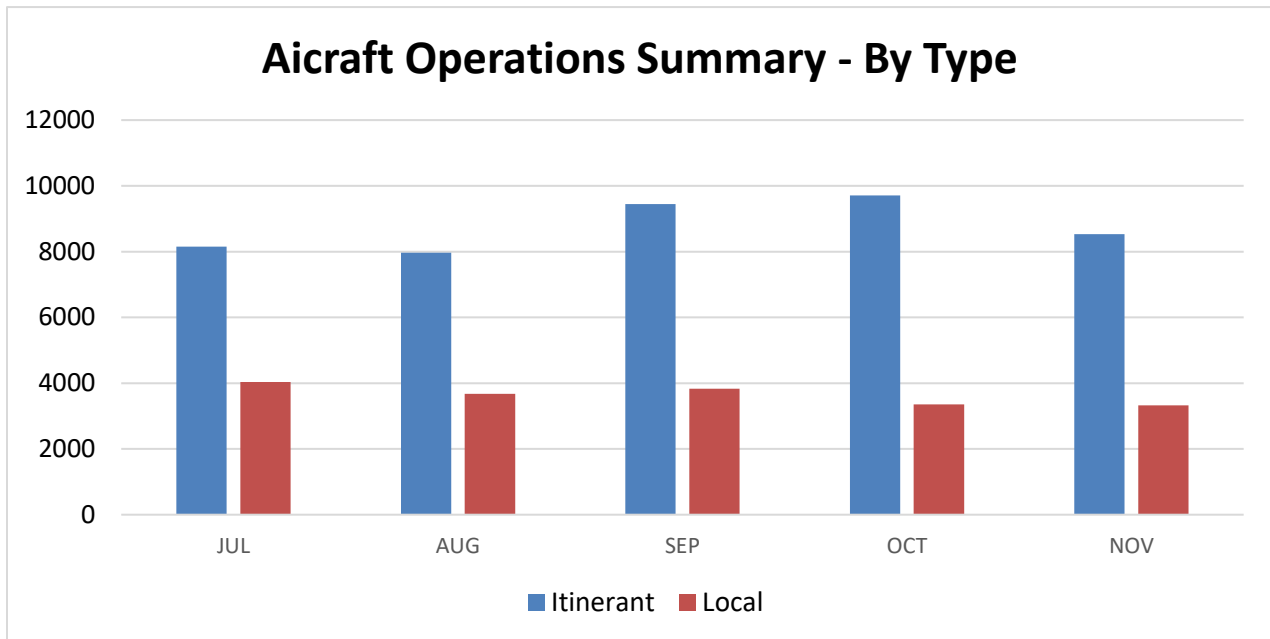
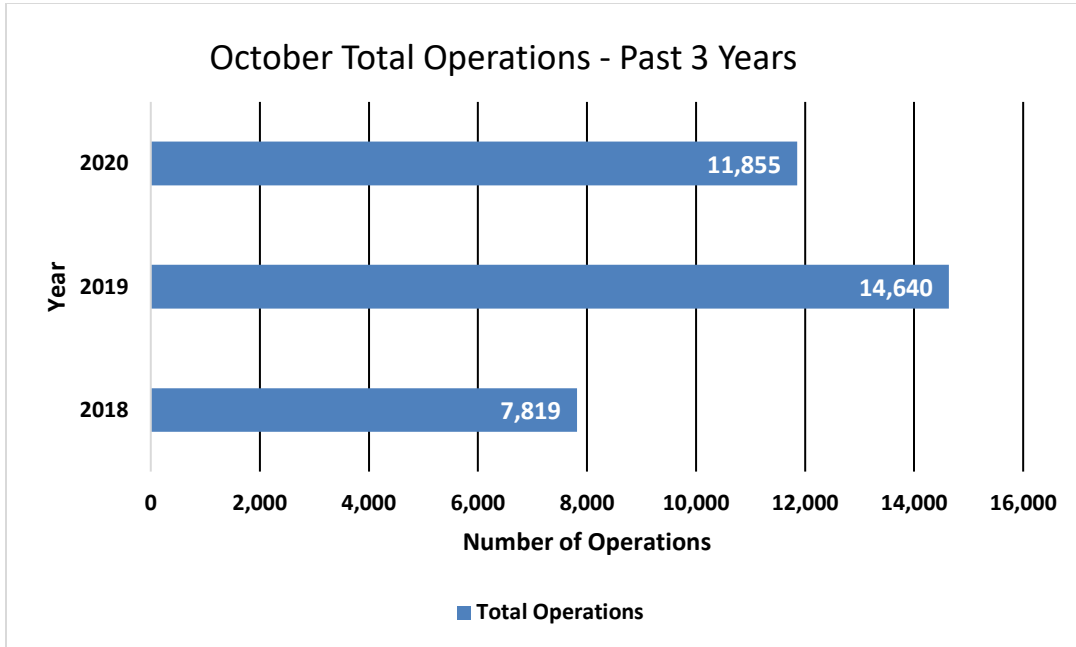
November 2020 Aircraft Operations:

	This Month	This Month, Last Year (November 2019)	% Change from November 2019	5-Year Average for Month
Total Operations	11,855	14,640	-19.02%	12,211
Itinerant	8,534	10,810	-21.05%	9,086
Local	3,321	3,830	-13.29%	3,124
Voluntary Curfew Ops	344	365	-5.75%	280
Prior Authorization	129	(4) Noise disturbance calls associated with these flights. (5) 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.

November 2020 Aircraft Operations Summary

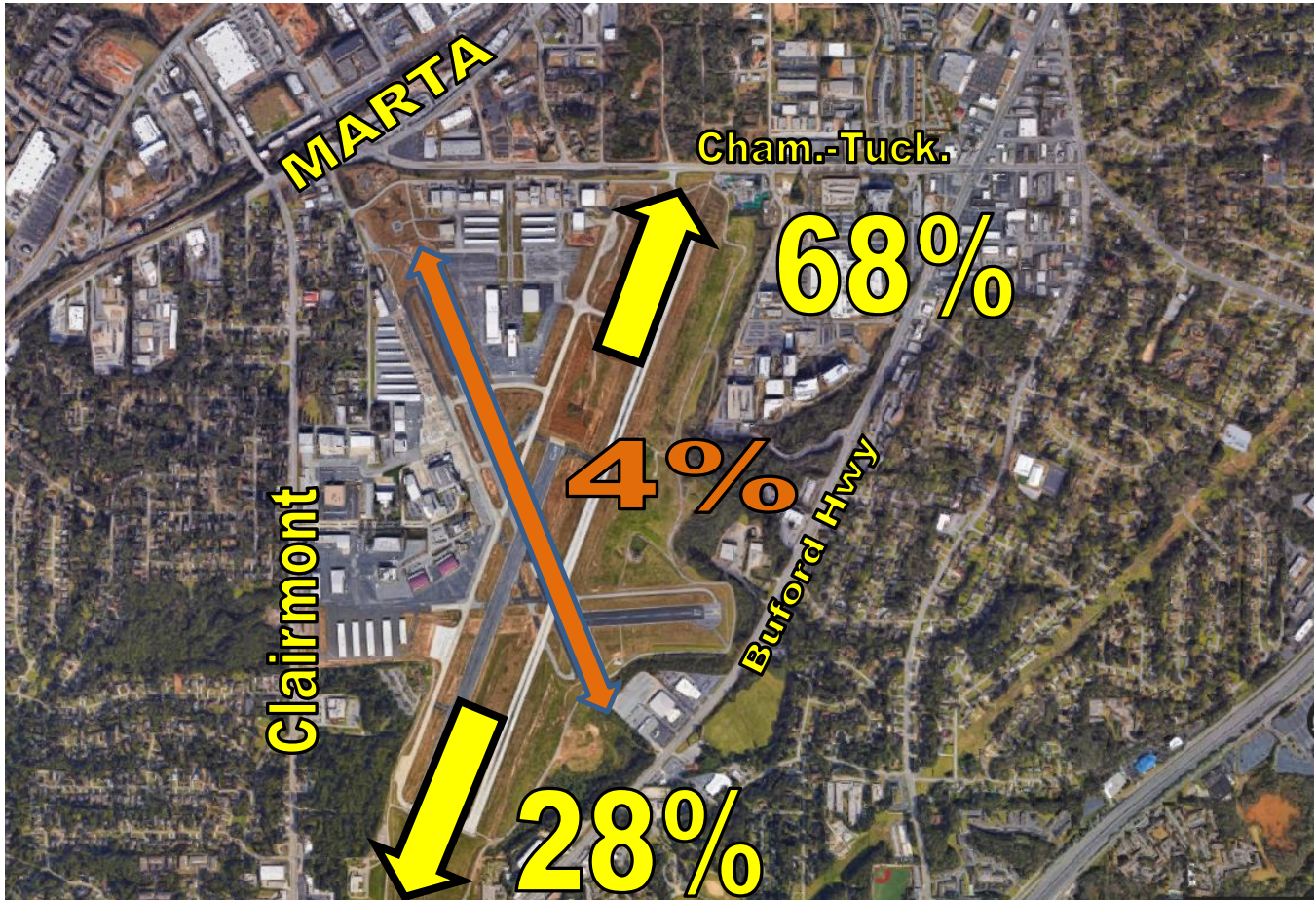


2019 Total Operations	2019 Total Operations as of November 2019	Total 2020 Ops as of November 2020
161,367	149,291	127,306 (-14.73%)

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	8,534	3,321	11,855	344
DEC				

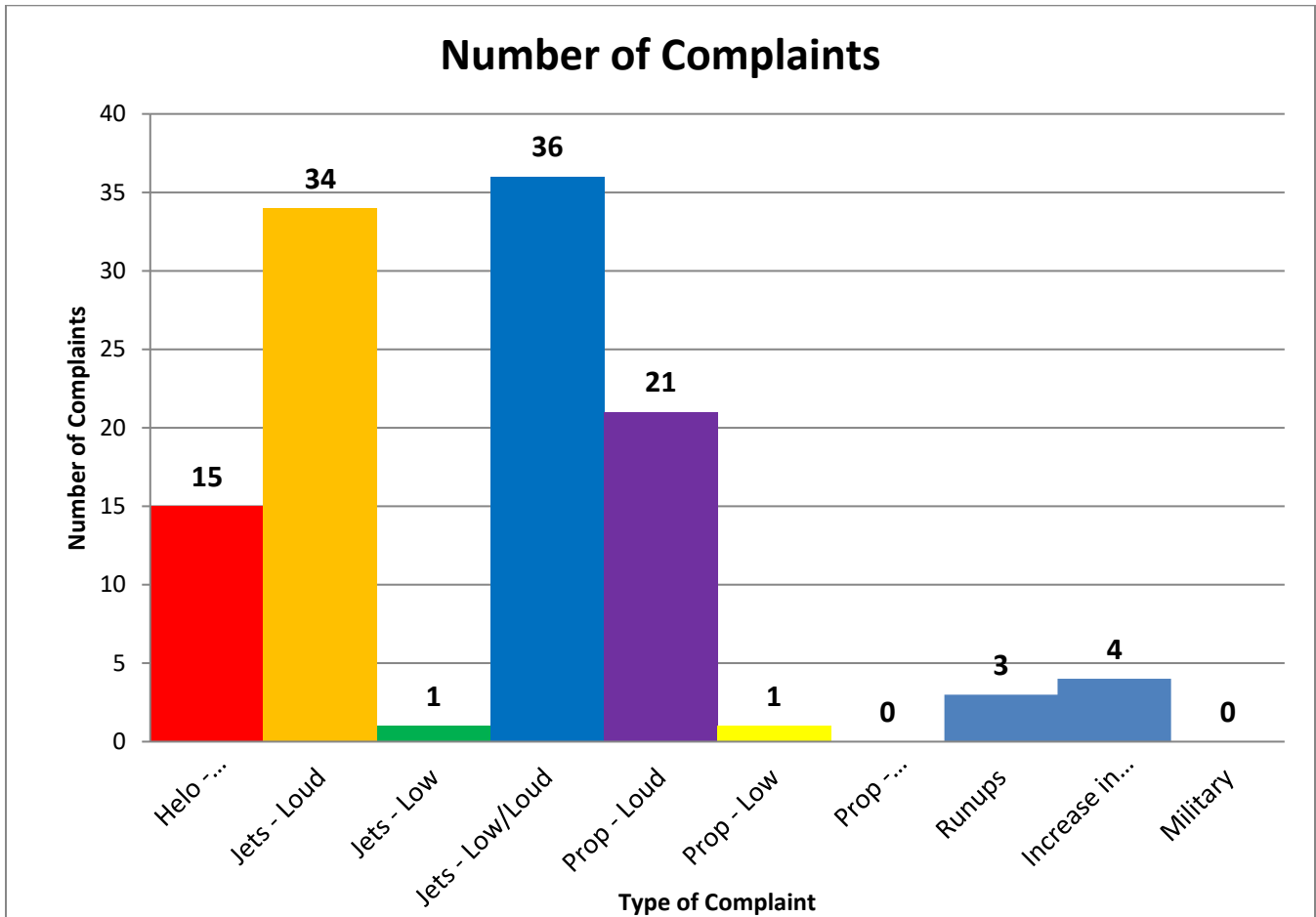
Runway Mode of Operations – November 2020

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.

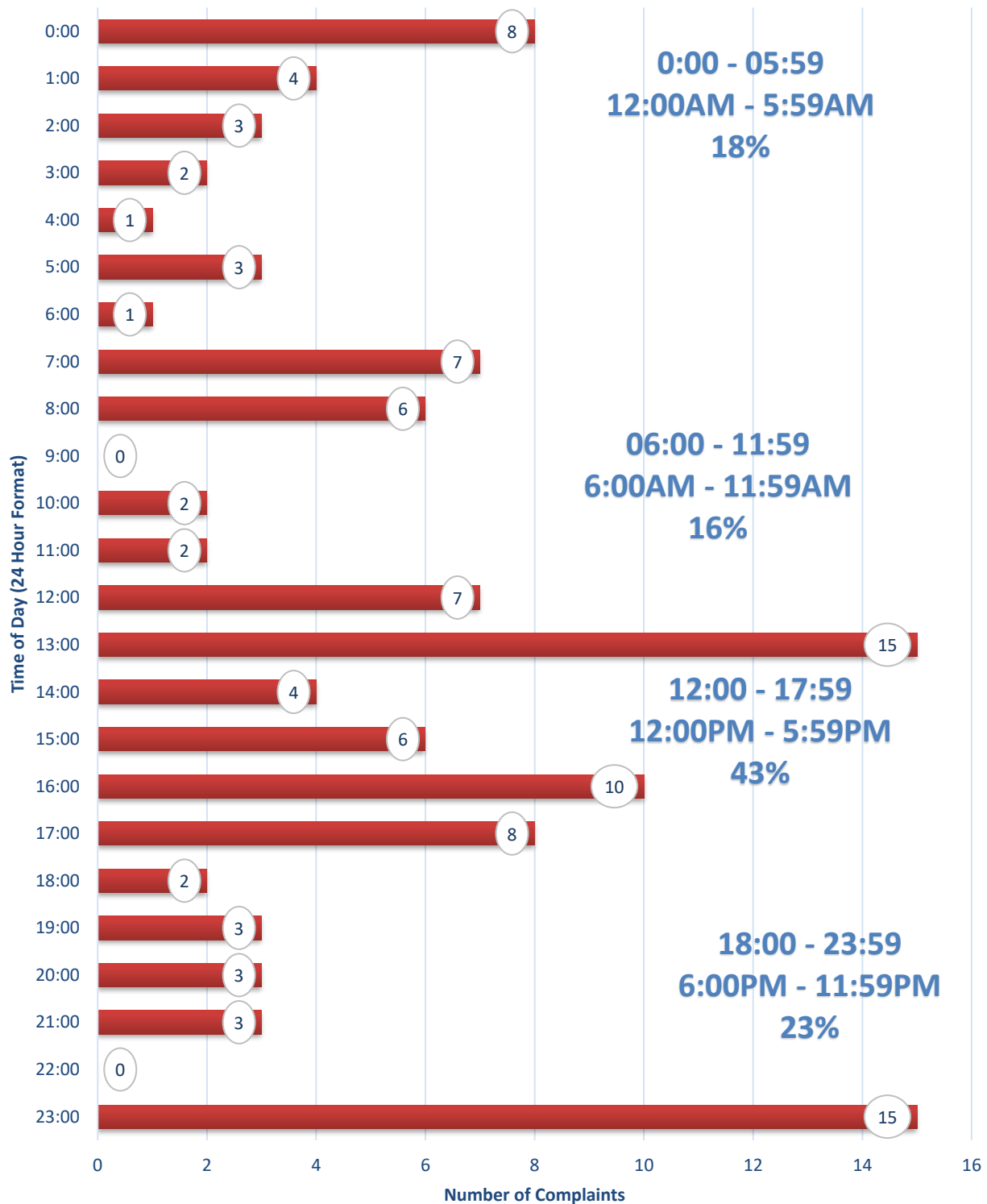


Noise Disturbance Summary

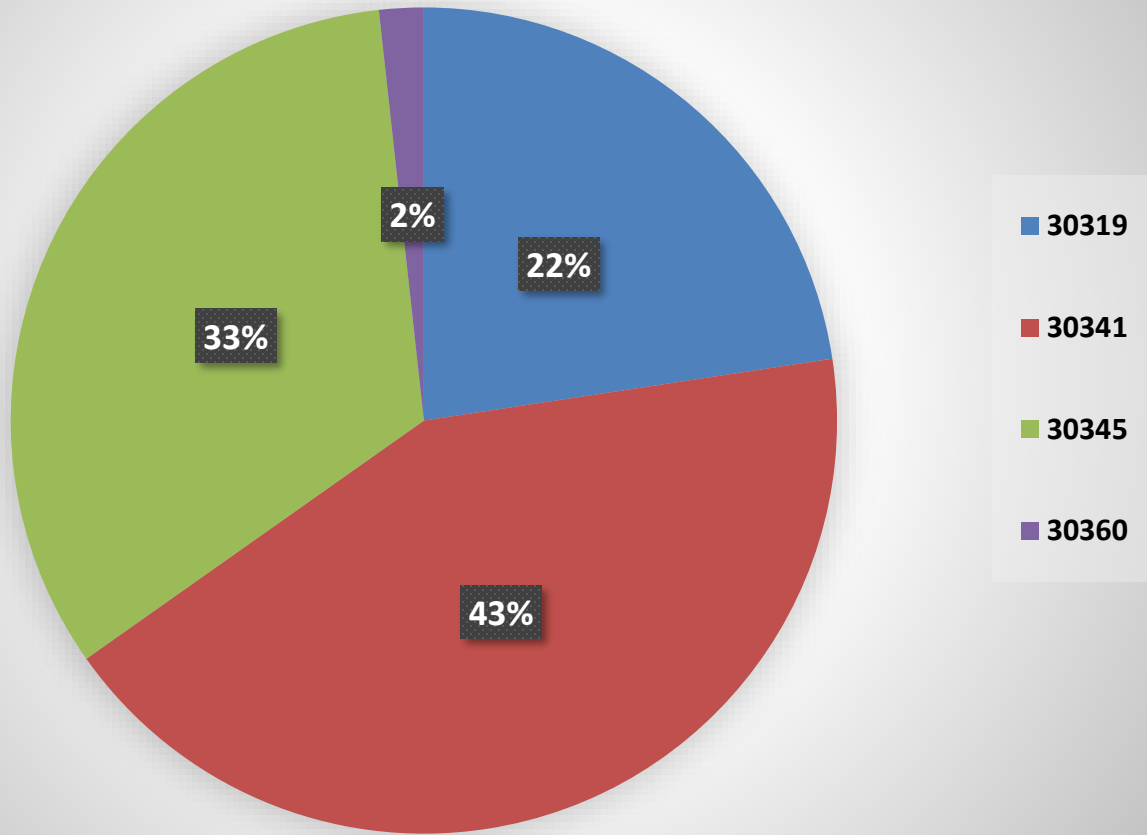
Total complaints for November 2020	Monthly Complaint Average 2020	November 2020 Complaints per Household <i>(minus top two/Households)</i>	November 2020 Complaints per Household <i>All Inclusive</i>
115	103	6	14.4



Number of Complaints by Hour



Zip Code Complaints

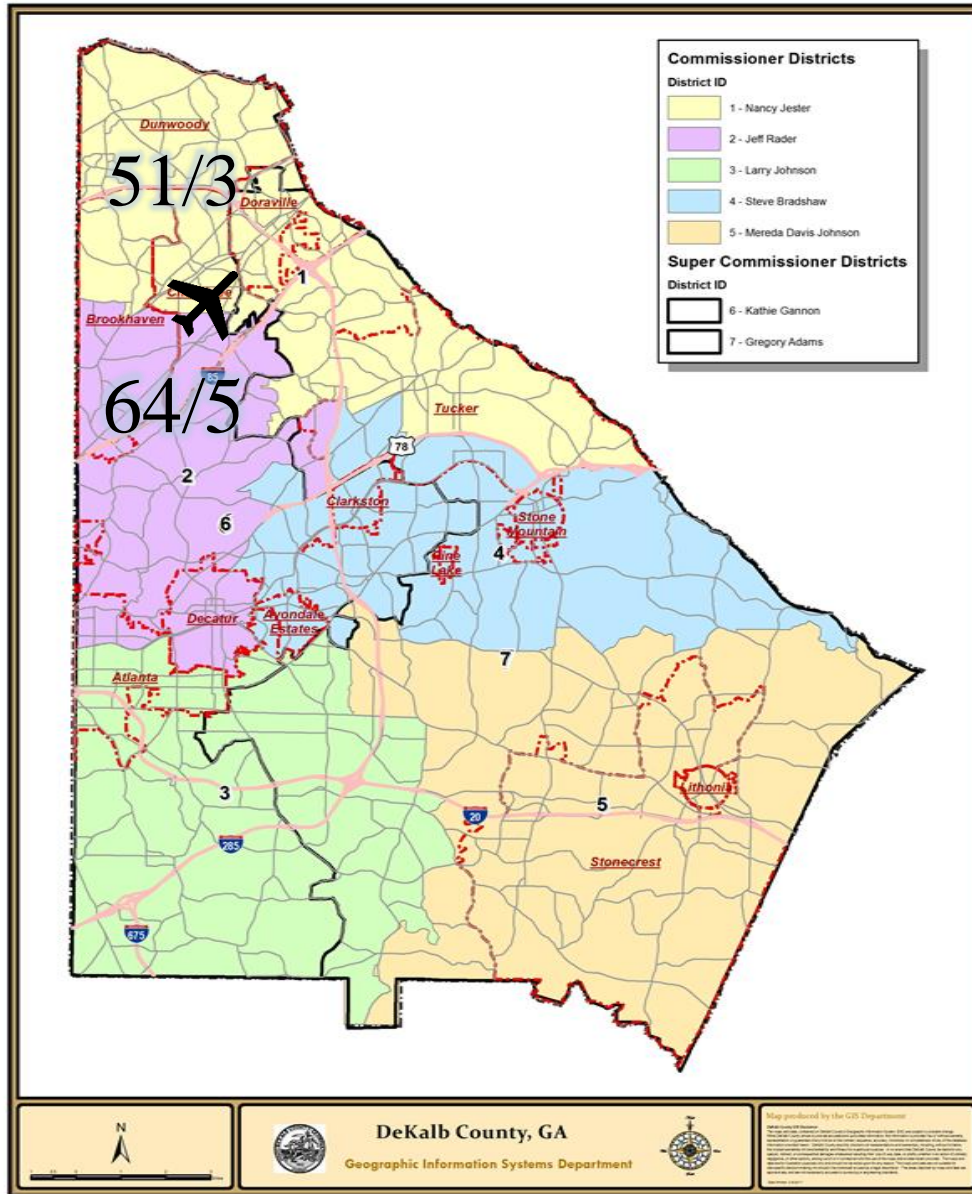


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	22%
30341	Chamblee - North	43%
30345	Chamblee - South	33%
30360	Dunwoody	2%

Complaints by Caller

Name	Address	City	Zip Code	Complaints
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	25
Anon - 1	Dresden Dr	Atlanta	30341	43
Nagel	3905 Winters Hill Drive	Atlanta	30360	2
Bisgard	2223 Kodiak Dr NE	Atlanta	30345	36
Chilivis	2352 Logan Cir NE	Atlanta	30319	1
Yates	1889 9th Street	Chamblee	30341	6
Hummel	2854 Greenbrook Way	Atlanta	30345	1
Fox	2423 Woodacres Rd NE	Atlanta	30345	1

Complaints per Commission District






Total Number of Complaints
Total Number of Complainants

115 /
8

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

The airport correlated **113 (98%)** out of **115** complaints:

- **107 or 93.1%** of the noise complaints were found to be **Direct** correlations
- **6 or 5.2%** were **Indirect** correlations to operations
- **2 or 1.7%** 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: pdknoise@dekalbcountyga.gov

Name	Offense Time	Flight Time	RWY	Ops	Aircraft Type	Aircraft ID	NMS	Lmax
Anon - 1	11/1/2020 0:32	11/1/2020 0:38	03L	A	UNKN	N558MT		
Anon - 1	11/1/2020 21:45	11/1/2020 21:43	UNK	D	LJ60	FTD506		
Anon - 1	11/2/2020 1:26	11/2/2020 1:20	03R	D	FA50	WDY954	NMS03	72.3
Anon - 1	11/2/2020 5:50	11/2/2020 6:03		34 D	UNKN	N2AQ		
Schneeberg	11/2/2020 14:17	11/2/2020 14:14		16 T	UNKN	N6QP		
Anon - 1	11/2/2020 23:21	11/2/2020 23:25	03R	A	C560	N508KD	NMS03	69
Anon - 1	11/3/2020 0:33	11/3/2020 0:30	21L	D	CL60	JTL52	NMS03	68.5
Anon - 1	11/4/2020 5:17	11/4/2020 5:22	21L	A	GLF4	PEG16	NMS03	81.4
Anon - 1	11/5/2020 0:01	11/5/2020 0:08	03R	A	AC50	CTL67		
Bisgard	11/5/2020 8:22	11/5/2020 8:27	03R	A	C25C	N129CJ		
Bisgard	11/5/2020 13:55	11/5/2020 14:00	03R	A	BE20	N585CE		
Schneeberg	11/5/2020 15:55	11/5/2020 16:02	03L	A	UNKN	N6981H		
Schneeberg	11/6/2020 7:18	11/6/2020 7:31		16 A	UNKN	N2AQ		
Bisgard	11/6/2020 7:59	11/6/2020 8:25	03R	A	FA50	N200WL		
Bisgard	11/6/2020 12:13	11/6/2020 12:21	03R	A	UNKN	N99HS		
Bisgard	11/6/2020 12:23	11/6/2020 12:33	03R	A	FA8X	N8X		
Bisgard	11/6/2020 12:26	11/6/2020 12:33	03R	A	FA8X	N8X		
Bisgard	11/6/2020 13:17	11/6/2020 13:18	03R	A	C56X	N654PD		
Bisgard	11/6/2020 13:22	11/6/2020 13:29	03R	A	C560	N577XW		
Bisgard	11/6/2020 13:31	11/6/2020 13:36	03R	A	C750	N541CX		
Bisgard	11/6/2020 13:51	11/6/2020 13:56	03R	A	E50P	N175EW		
Bisgard	11/6/2020 13:53	11/6/2020 14:00	03R	A	UNKN	N139JL		
Bisgard	11/6/2020 13:57	11/6/2020 13:59	03R	A	BE40	JTL73		
Anon - 1	11/6/2020 20:41	11/6/2020 20:38	03R	D	GLF5	EDG97	NMS03	69.3
Yates	11/7/2020 1:27	11/7/2020 1:33	21L	A	GLF4	N2HC	NMS03	70.7

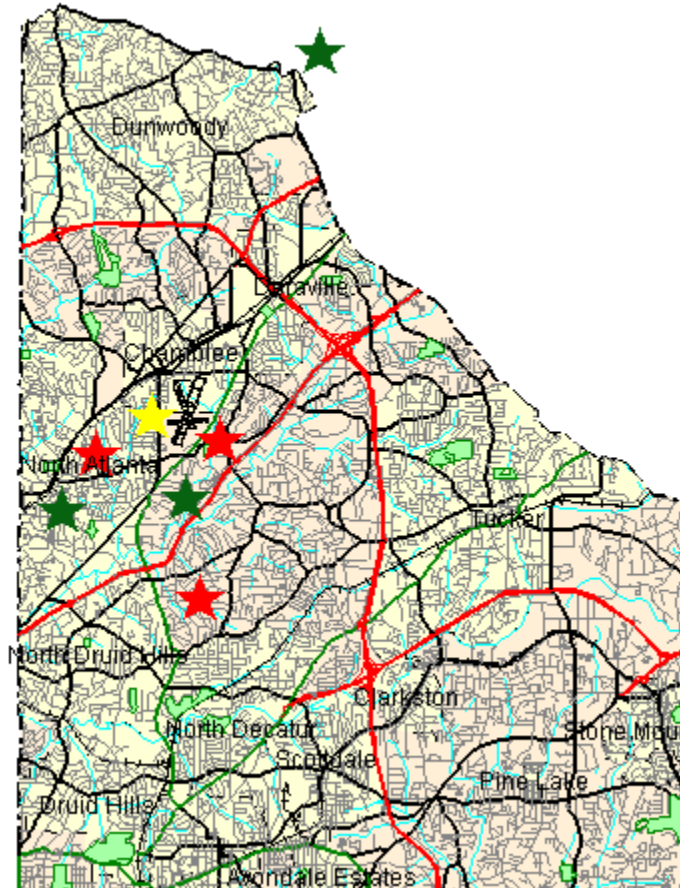
Anon - 1	11/7/2020 1:27	11/7/2020 1:33	21L	A	GLF4	N2HC	NMS03	70.7
Anon - 1	11/8/2020 23:18	11/8/2020 23:13	03R	D	C560	N154JK	NMS03	74.7
Hummel	11/9/2020 10:11							
Schneeberg	11/9/2020 16:03	11/9/2020 15:57	UNK	D	UNKN	N423AE		
Nagel	11/11/2020 11:43	11/11/2020 11:43	21L	A	GLF4	FWK915		
Anon - 1	11/11/2020 23:27	11/11/2020 23:28	16	D	C208	N208LS		
Anon - 1	11/14/2020 2:42	11/14/2020 2:46	21L	A	PC12	SKQ44		
Yates	11/14/2020 20:24	11/14/2020 20:00	21R	D	UNKN	N103AV		
Anon - 1	11/14/2020 23:34	11/14/2020 23:30	UNK	D	UNKN	N649AE		
Schneeberg	11/15/2020 7:30	11/15/2020 7:12	21R	D	UNKN	N103AV		
Schneeberg	11/15/2020 8:08	11/15/2020 8:02	21L	D	PC12	CNS619		
Schneeberg	11/15/2020 12:54	11/15/2020 12:55	21L	D	C56X	N510FS	NMS02	73.1
Anon - 1	11/15/2020 23:11	11/15/2020 23:10	03R	D	UNKN	N9212G		
Anon - 1	11/15/2020 23:26	11/15/2020 23:31	21L	A	UNKN	UNKNOWN	NMS03	76.6
Anon - 1	11/15/2020 23:46	11/15/2020 23:41	21L	D	UNKN	UNKNOWN	NMS03	79.4
Anon - 1	11/16/2020 7:14	11/16/2020 7:16	03R	A	GLF5	N550DX	NMS03	73.7
Anon - 1	11/16/2020 18:50	11/16/2020 18:53	UNK	A	UNKN	N427TJ		
Anon - 1	11/16/2020 23:00	11/16/2020 23:02	21L	A	H25B	N125SB	NMS03	71.4
Anon - 1	11/17/2020 0:14	11/17/2020 0:18	21L	A	PC12	CNS964		
Anon - 1	11/17/2020 3:38	11/17/2020 3:42	UNK	A	C208	N414CY	NMS03	80.7
Schneeberg	11/17/2020 17:28	11/17/2020 17:25	UNK	O	UNKN	UNKNOWN		
Anon - 1	11/18/2020 4:50	11/18/2020 4:30	21L	D	PC12	SKQ31	NMS03	71
Fox	11/18/2020 6:12	11/18/2020 6:04	21L	D	SR22	N107TQ	NMS03	86.4
Bisgard	11/19/2020 8:06	11/19/2020 8:11	03R	A	H25B	N977LC		




Bisgard	11/19/2020 12:57	11/19/2020 12:46	UNK	O	C56X	PHJ56		
Bisgard	11/20/2020 7:30	11/20/2020 7:34	03R	A	BE9L	N329GS	NMS04	71.5
Bisgard	11/20/2020 7:40	11/20/2020 7:43	03R	A	BE40	N412GJ		
Yates	11/20/2020 13:59	11/20/2020 13:57	03R	D	FA20	N378DB		
Bisgard	11/20/2020 15:33	11/20/2020 15:37	03R	A	PC12	CNS777	NMS04	76.2
Bisgard	11/20/2020 16:04	11/20/2020 16:05	03R	A	BE20	N503GF		
Schneeberg	11/20/2020 17:23	11/20/2020 17:21	UNK	D	UNKN	N608HR		
Bisgard	11/20/2020 17:40	11/20/2020 17:46	03R	A	C550	N717CB		
Bisgard	11/20/2020 17:49	11/20/2020 17:56	03R	A	PC12	CNS11		
Bisgard	11/20/2020 18:51	11/20/2020 18:52	03R	A	B350	GAJ869		
Bisgard	11/20/2020 19:19	11/20/2020 19:24	03R	A	UNKN	LBQ800		
Anon - 1	11/20/2020 19:36	11/20/2020 19:31	03L	D	C170	N521ST		
Anon - 1	11/20/2020 23:22	11/20/2020 23:08	UNK	O	UNKN	N17FA		
Anon - 1	11/20/2020 23:47	11/20/2020 23:27	21L	A	C560	N17FA		
Anon - 1	11/20/2020 23:59							
Yates	11/21/2020 1:45	11/21/2020 1:47	UNK	A	UNKN	N445CH		
Anon - 1	11/21/2020 7:08	11/21/2020 7:00	03R	D	BE40	TMC498	NMS03	80.4
Bisgard	11/21/2020 13:22	11/21/2020 13:31	03R	A	E50P	N629JJ		
Bisgard	11/21/2020 13:25	11/21/2020 13:31	03R	A	E50P	N629JJ		
Bisgard	11/21/2020 13:29	11/21/2020 13:33	03R	A	PC12	N278WC		
Bisgard	11/21/2020 13:48	11/21/2020 13:53	03R	A	C25B	N302JK		
Bisgard	11/21/2020 14:50	11/21/2020 14:53	03R	A	CL35	EJA747		
Bisgard	11/21/2020 15:15	11/21/2020 15:21	03R	A	BE40	N418GJ		

Bisgard	11/21/2020 15:38	11/21/2020 15:43	03R	A	E50P	N305PL		
Schneeberg	11/21/2020 16:00	11/21/2020 16:02	03L	A	C172	N19646		
Bisgard	11/21/2020 16:12	11/21/2020 16:02	UNK	O	SR22	N627SR		
Bisgard	11/21/2020 17:05	11/21/2020 17:08	03R	A	GLF4	JTL268		
Anon - 1	11/22/2020 0:28	11/22/2020 0:34	21L	A	GL5T	N247WE		
Schneeberg	11/22/2020 8:16	11/22/2020 8:05	21R	D	UNKN	N7784G		
Schneeberg	11/22/2020 8:16	11/22/2020 8:05	21R	D	UNKN	N7784G		
Schneeberg	11/22/2020 8:18	11/22/2020 8:05	21R	D	UNKN	N7784G		
Bisgard	11/22/2020 12:08	11/22/2020 11:56	21L	D	BE40	N317PC		
Bisgard	11/22/2020 12:52	11/22/2020 12:45	21R	D	UNKN	N846SR	NMS04	67.4
Bisgard	11/22/2020 13:16	11/22/2020 13:02	21L	D	E55P	N68TJ		
Bisgard	11/22/2020 14:20	11/22/2020 14:16	21L	D	C560	N45RC		
Schneeberg	11/23/2020 17:18	11/23/2020 17:13	34	T	UNKN	N332AM	NMS02	72
Bisgard	11/23/2020 17:24	11/23/2020 17:28	34	A	CL35	EJA747		
Yates	11/24/2020 15:34	11/24/2020 15:36	21L	A	CL35	EJA726		
Schneeberg	11/24/2020 16:50	11/24/2020 16:26	21R	D	UNKN	N6919J		
Schneeberg	11/24/2020 17:08	11/24/2020 16:59	21R	D	UNKN	N63BH	NMS02	82.4
Anon - 1	11/24/2020 23:25	11/24/2020 23:22	03R	A	GLF4	JNY297	NMS03	70.5
Chilivis	11/25/2020 2:34	11/25/2020 2:46	UNK	D	C208	N414CY	NMS02	72.4
Schneeberg	11/25/2020 16:17	11/25/2020 16:08	21R	D	UNKN	N18841		
Schneeberg	11/25/2020 16:21	11/25/2020 16:08	21R	D	UNKN	N18841		
Schneeberg	11/25/2020 21:52	11/25/2020 21:51	21R	D	AC50	CTL66		
Nagel	11/26/2020 11:36	11/26/2020 11:43	21L	A	FA20	N81P		

Anon - 1	11/26/2020 13:57	11/26/2020 13:46	UNK	O	UNKN	UNKNOWN		
Anon - 1	11/27/2020 2:40	11/27/2020 2:42	21L	A	LJ60	PEG73	NMS03	75.7
Anon - 1	11/27/2020 3:28	11/27/2020 3:27	21L	D	LJ60	PEG73	NMS03	77.4
Schneeberg	11/27/2020 13:26	11/27/2020 13:12	UNK	O	UNKN	N481AE		
Schneeberg	11/27/2020 14:12	11/27/2020 14:12	03L	A	UNKN	N623SR		
Anon - 1	11/27/2020 20:44	11/27/2020 20:30	03R	D	E50P	N348N	NMS03	69.5
Anon - 1	11/27/2020 23:51	11/27/2020 23:54	21L	A	LJ60	FTD502	NMS03	73.7
Anon - 1	11/28/2020 0:07	11/28/2020 0:19	21L	A	BE20	CTE816		
Anon - 1	11/28/2020 0:50	11/28/2020 0:50	03R	D	F900	DPJ454		
Schneeberg	11/28/2020 15:32	11/28/2020 15:28	03L	D	UNKN	N543BZ		
Schneeberg	11/28/2020 16:21	11/28/2020 16:24	03L	A	UNKN	N114KB		
Schneeberg	11/28/2020 16:30	11/28/2020 16:38	03L	A	UNKN	N26103		
Schneeberg	11/28/2020 16:30	11/28/2020 16:38	03L	A	UNKN	N26103		
Yates	11/28/2020 21:21	11/28/2020 21:07	21L	A	GLF4	N430QS	NMS03	68.1
Anon - 1	11/29/2020 0:40	11/29/2020 0:34	21L	D	LJ31	N3VJ	NMS03	78.1
Anon - 1	11/29/2020 23:59	11/29/2020 23:58	21L	A	BE20	N416AT		
Anon - 1	11/30/2020 5:05	11/30/2020 4:59	21L	D	E55P	YEL10	NMS03	79
Anon - 1	11/30/2020 10:44	11/30/2020 10:37	21L	D	BE40	TMC495	NMS03	85.1
Anon - 1	11/30/2020 19:05	11/30/2020 18:53	UNK	D	GLEX	TWY1026	NMS03	85.8
Anon - 1	11/30/2020 23:55	11/30/2020 23:59	34	A	PC12	CNS5446		

Disturbance Location Pin Map – November 2020



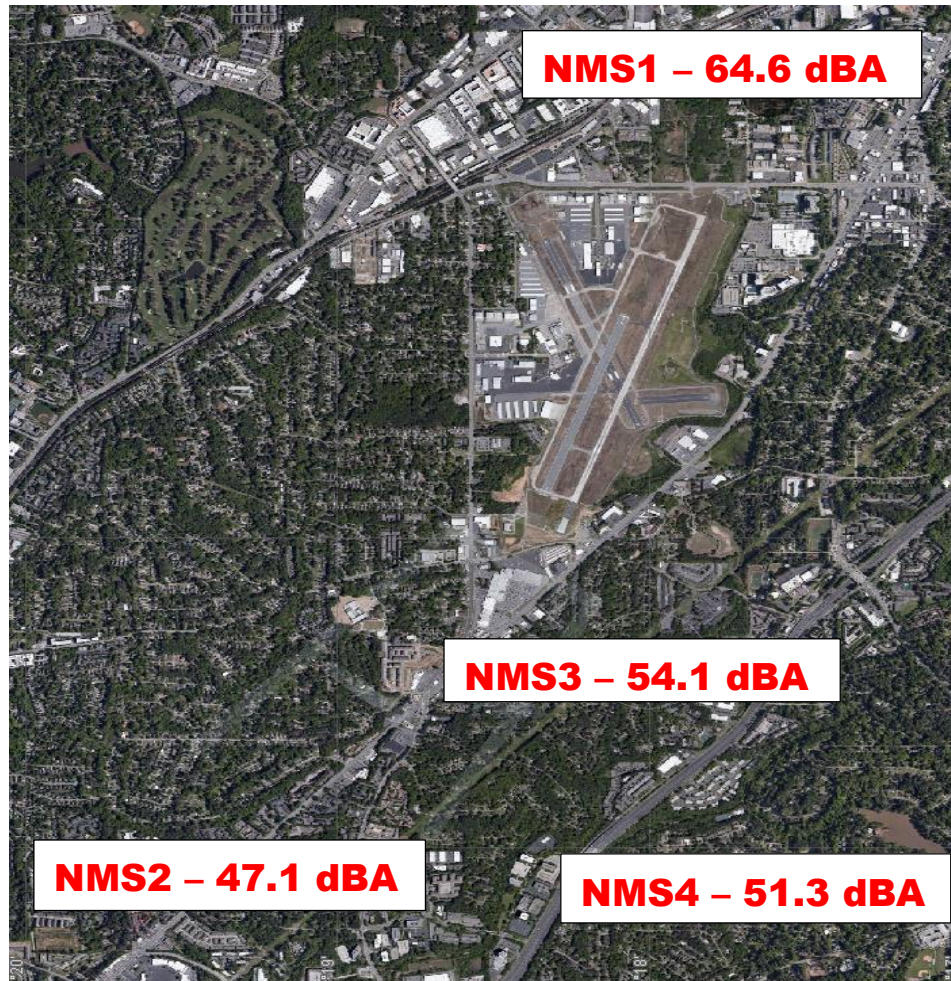
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

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

Monthly Noise Levels at Monitors

November 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 **341 (99.1%)** of the **344** operations during the voluntary curfew period (11PM-6AM) during the month of **November 2020**. Of the **341** identified operations, **199 (58.4%)** 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, **80 one-time** operations were conducted during this period.
- Out of the *identified* operations, **261 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:

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

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

29 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 **November 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 – November 2020 N#'s (Multi-Use):

38 Aircraft with 2 Operations (N255AM, N628JW, **N550AJ**, N29XX, GLT84, JTL52, **LBQ840**, **LBQ640**, N558MT, **CTE585**, N133PE, **LBQ782**, PEG16, XACAL, N258SB, EJA437, FFL400, N385DS, **N553AE**, YEL10, N125SB, DPJ454, **N133LN**, **LBQ784**, N79849, N4488H, **CTE491**, N457MT, PEG73, N499PA, PXG680, **LBQ800**, **EMD28**, **N329GS**, WWI84, N355FA, N35731, **N407LS**)

10 Aircraft with 3 Operations (N770CJ, N130AV, PHJ56,

N6919J, N17FA, **N887AE**, N302GV, **N325AM**, N500FZ,

N377P)

7 Aircraft with 4 Operations (**N508KD**, **N525LX**, **N525JW**,

NLBQ825, **N573AM**, **N891AA**, **N445CH**)

2 Aircraft with 6 Operations (**CTE816**, **SKQ44**)

1 Aircraft with 16 Operations (**N208LS**)

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

1 Aircraft with 35 Operations (**CTL67**)

1 Aircraft with 40 Operations (**N414CY**)

Last 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)

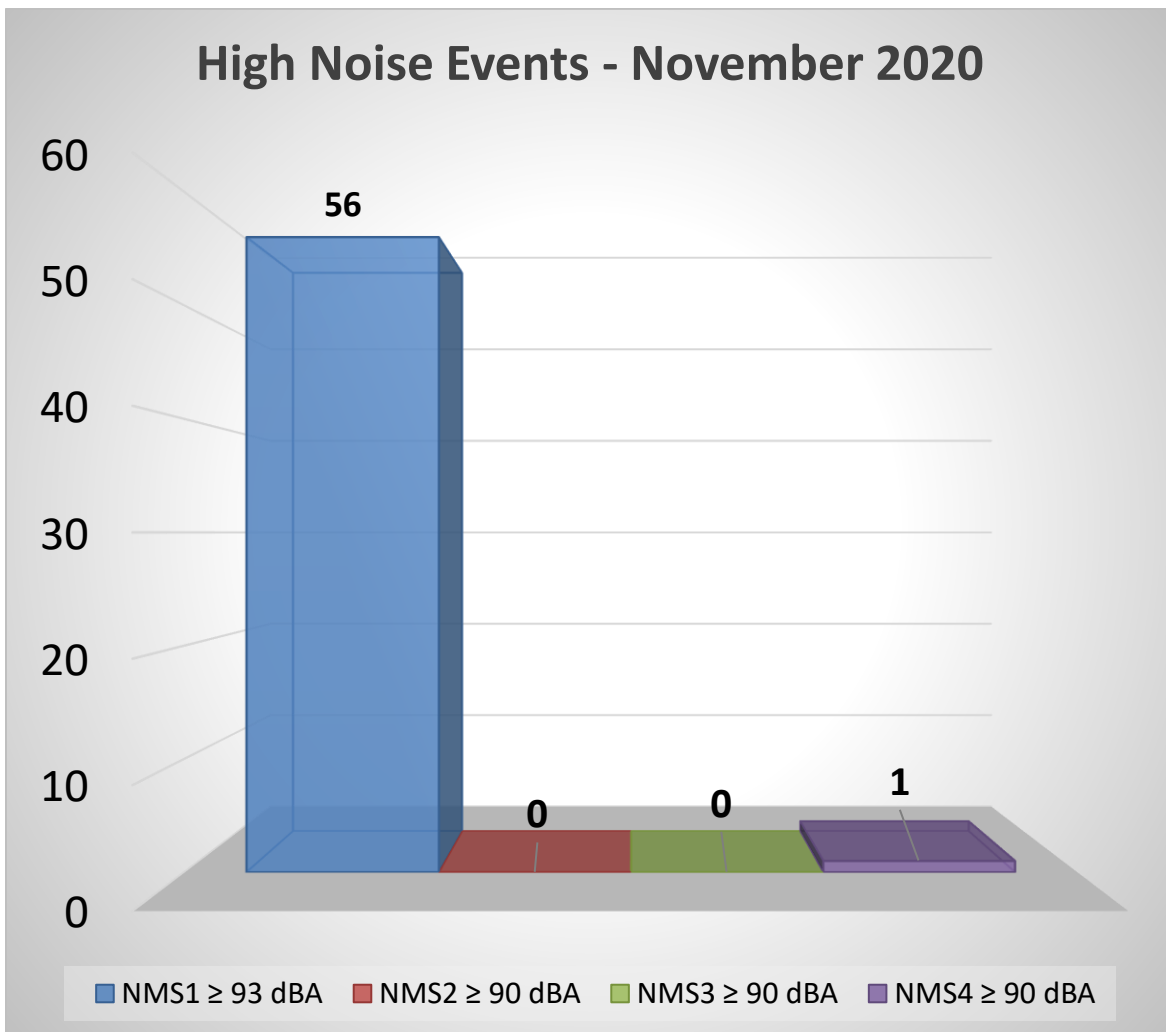
1 Aircraft with 42 operations (CTL67)

1 Aircraft with 50 Operations (N414CY)

A total of **142** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **November** 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 **51** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



November 2020

5 Aircraft with 2 High Noise Event (N681SC, **N329GS**, N92CJ, N800EM, N908CB)

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)

Comments/Concerns?

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



Monthly Noise & Operations Report October 2020

Prepared by:
Korey Barnes
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.

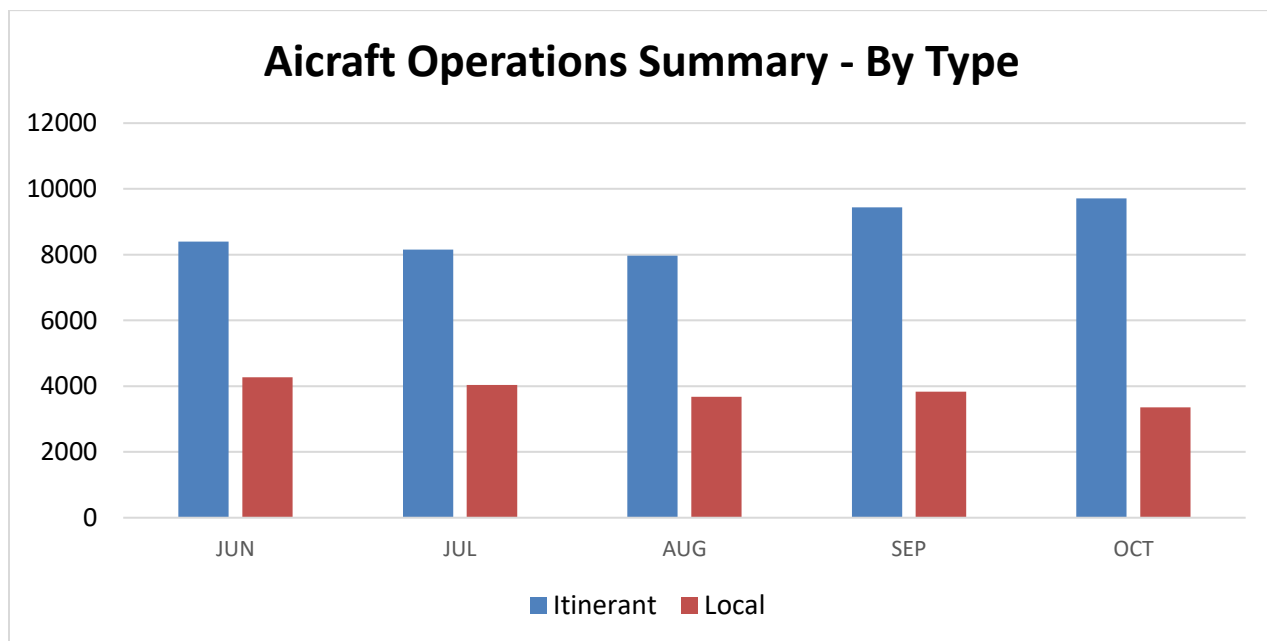
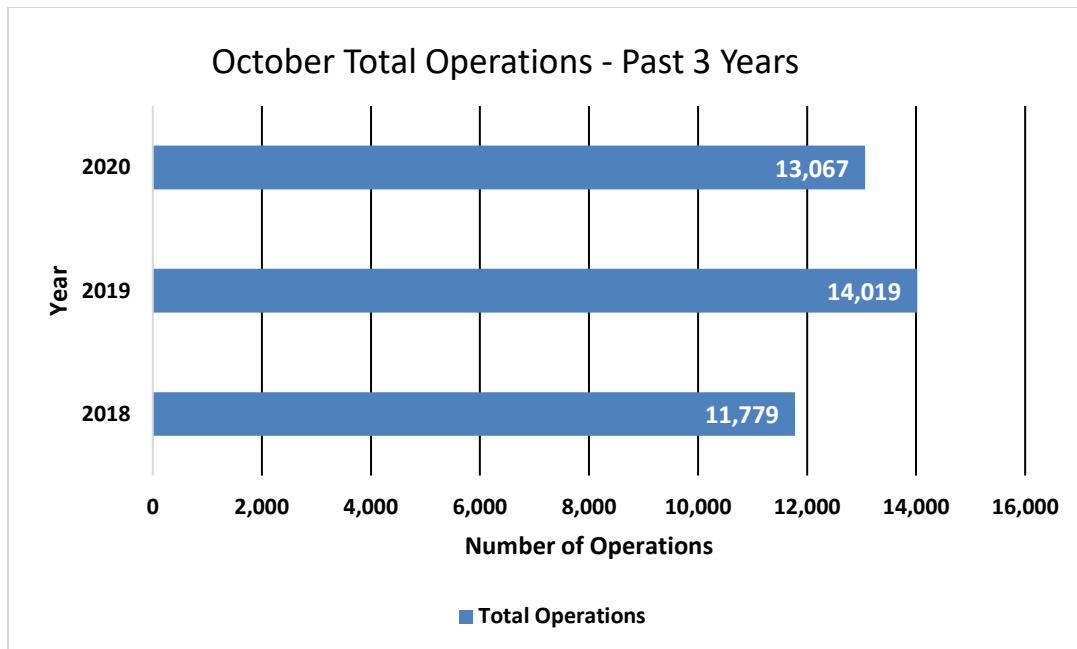
October 2020 Aircraft Operations:

	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

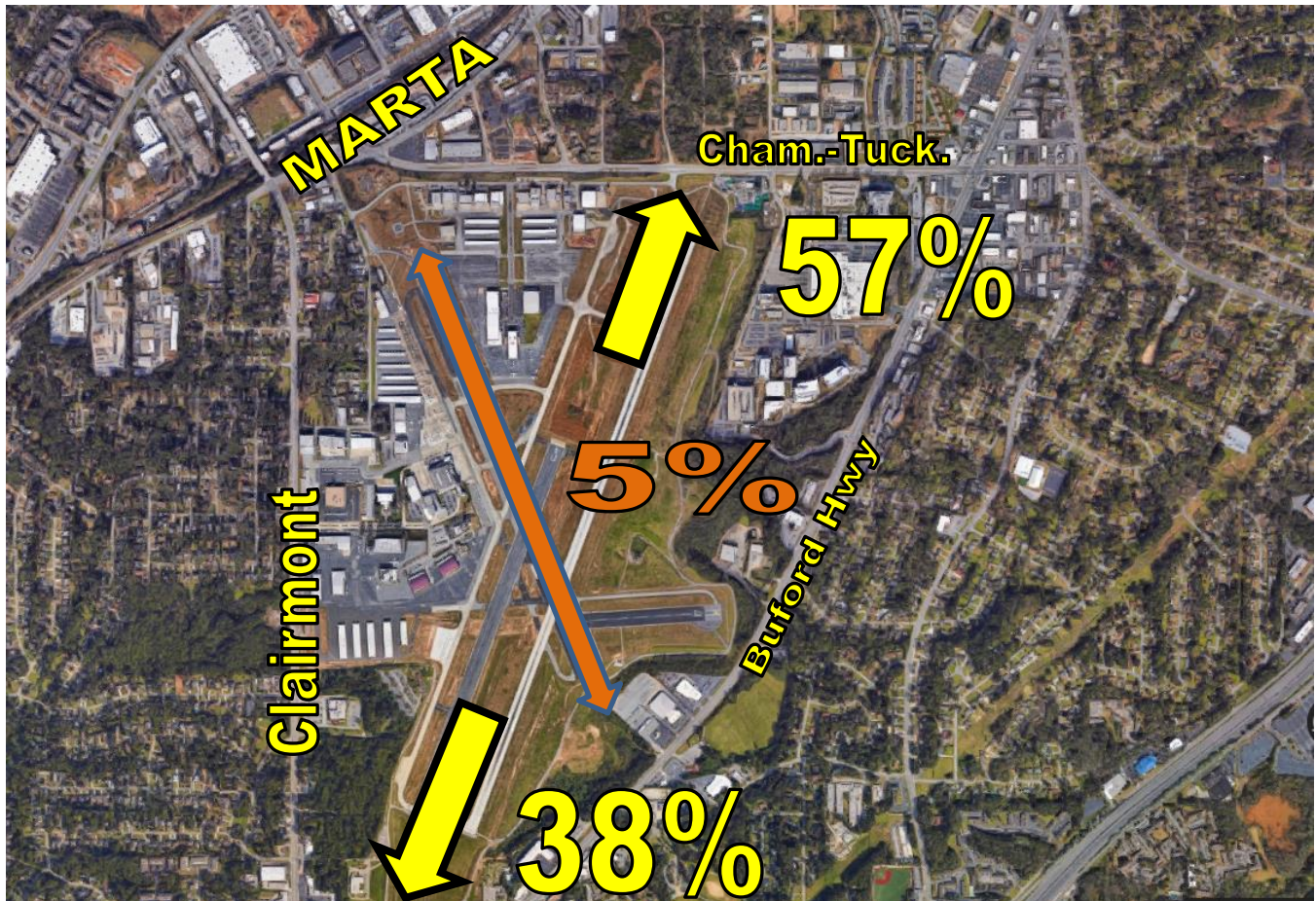


2019 Total Operations	2019 Total Operations as of October 2019	Total 2020 Ops as of October 2020
161,367	134,651	115,541 (-14.19%)

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				

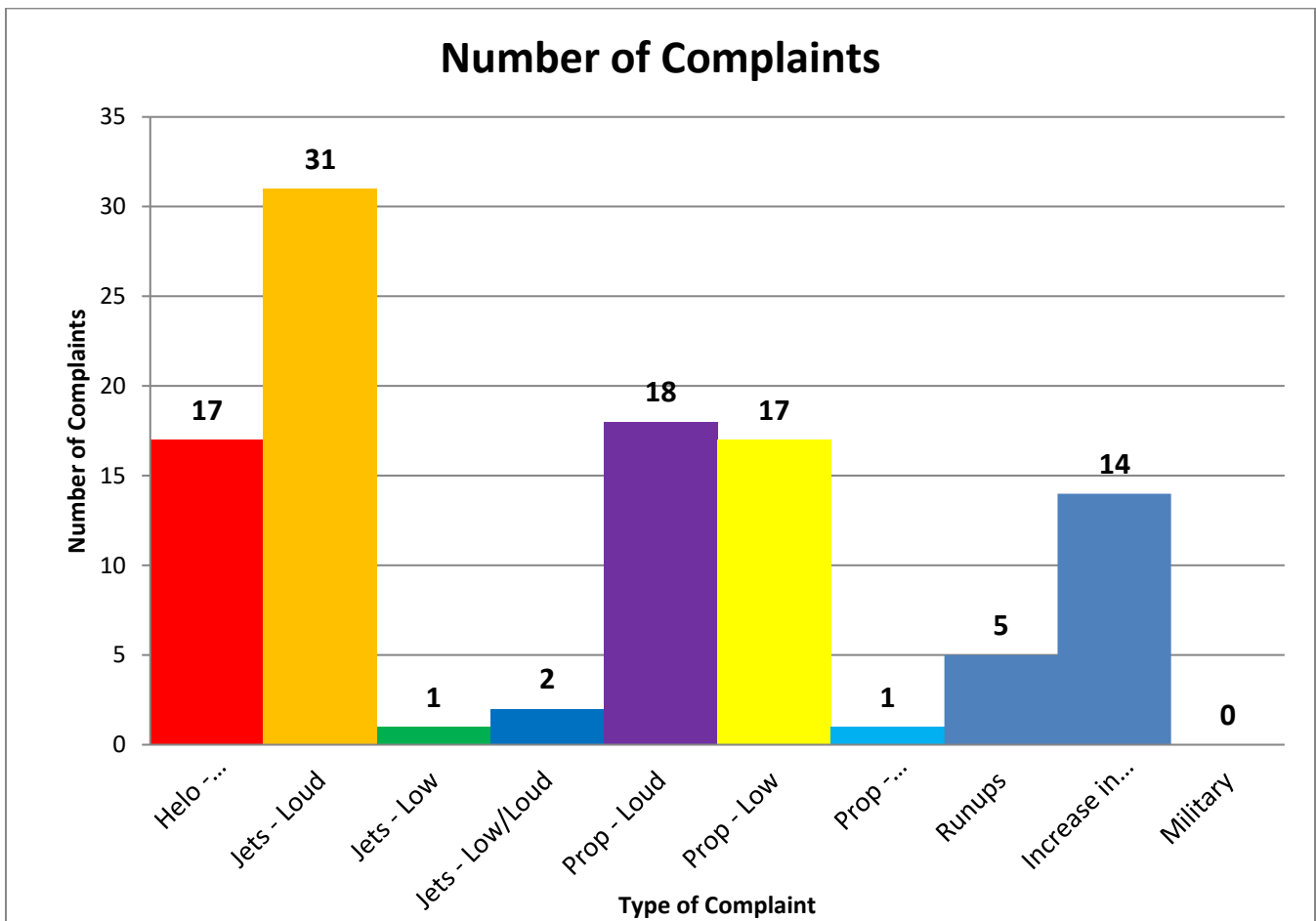
Runway Mode of Operations – October 2020

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.

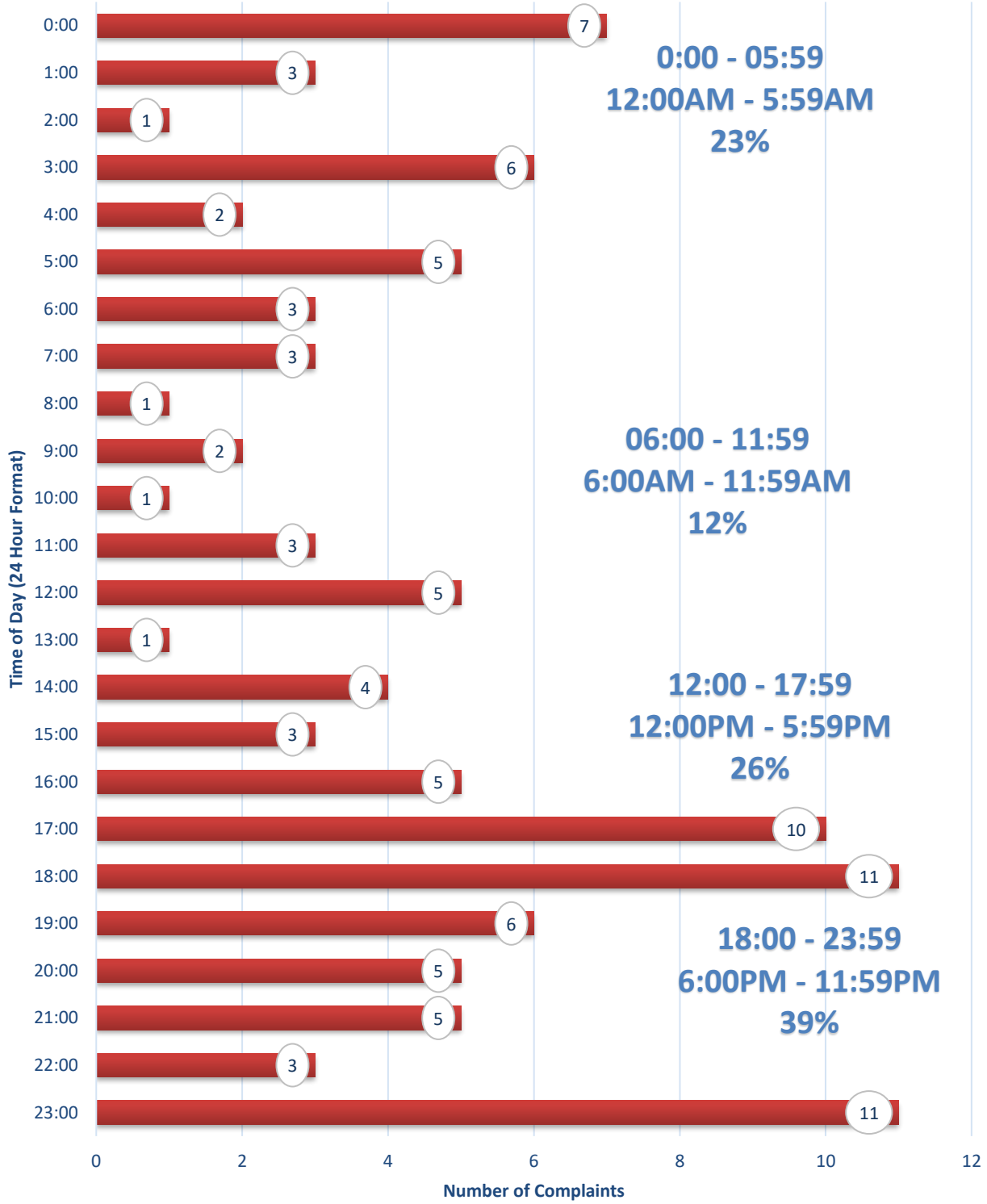


Noise Disturbance Summary

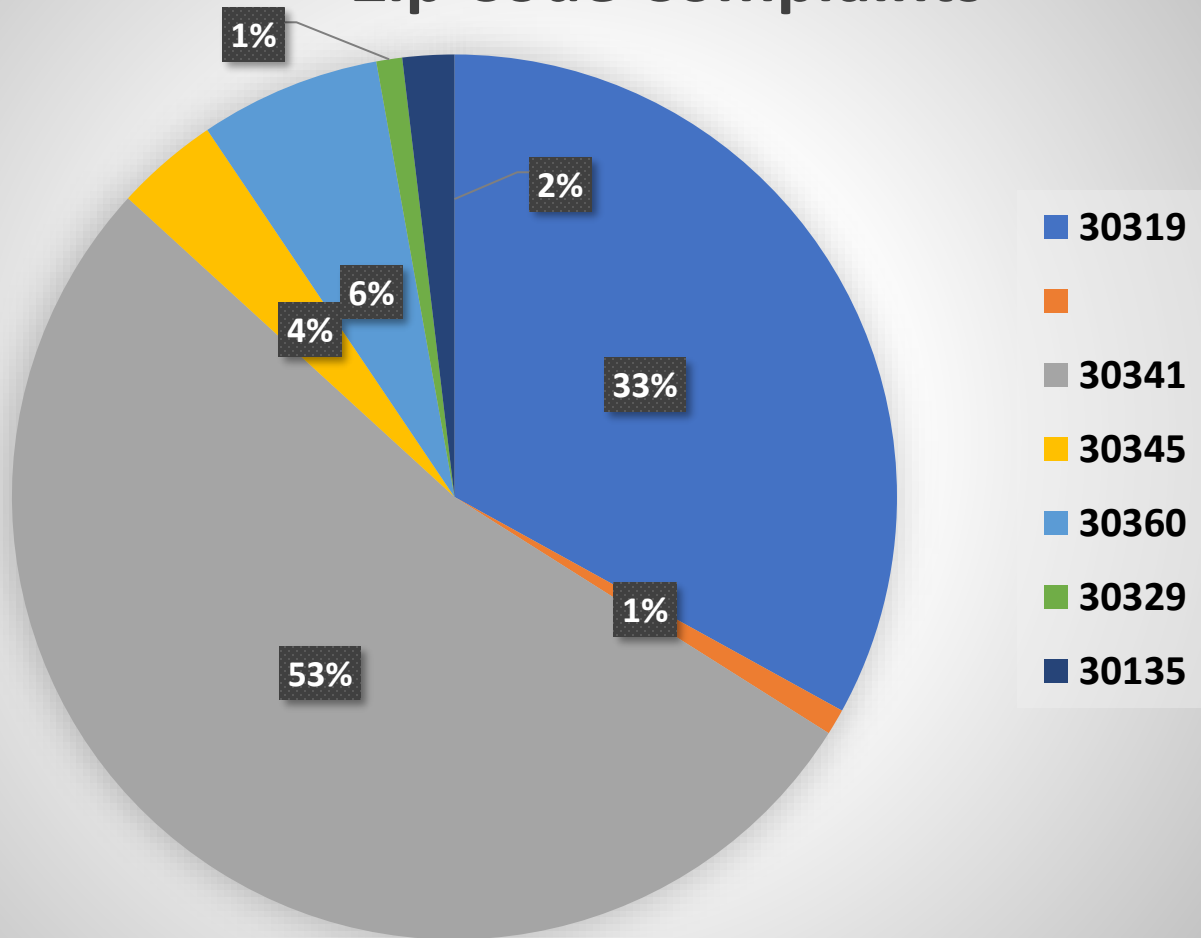
Total complaints for October 2020	Monthly Complaint Average 2020	October 2020 Complaints per Household <i>(minus top two/Households)</i>	October 2020 Complaints per Household <i>All Inclusive</i>
106	102	1.75	4.8



Number of Complaints by Hour



Zip Code Complaints

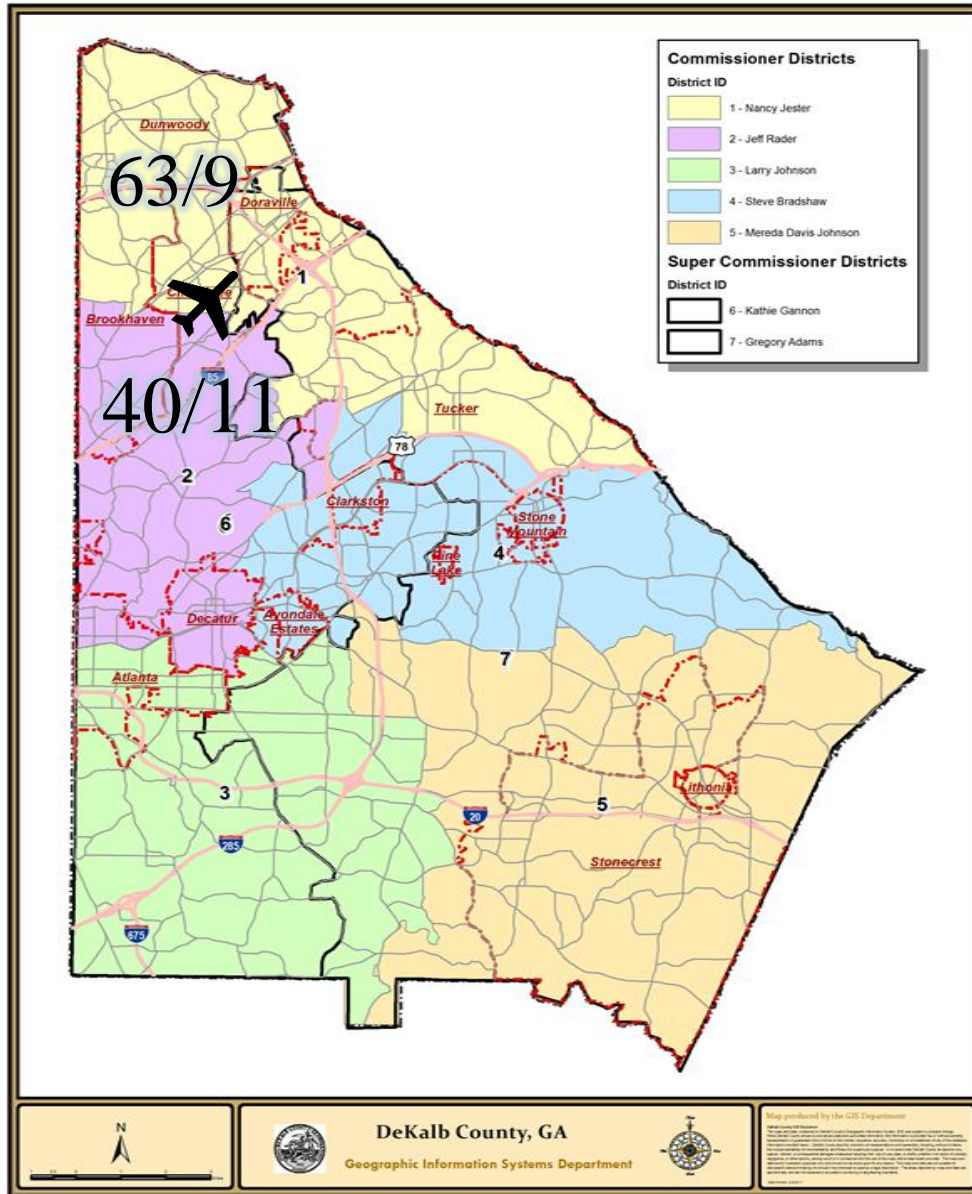


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	33%
30341	Chamblee - North	53%
30345	Chamblee - South	4%
30360	Dunwoody	1%
30329	North Druid Hills	1%
30135	Douglasville	1%
Unknown		1%

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



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

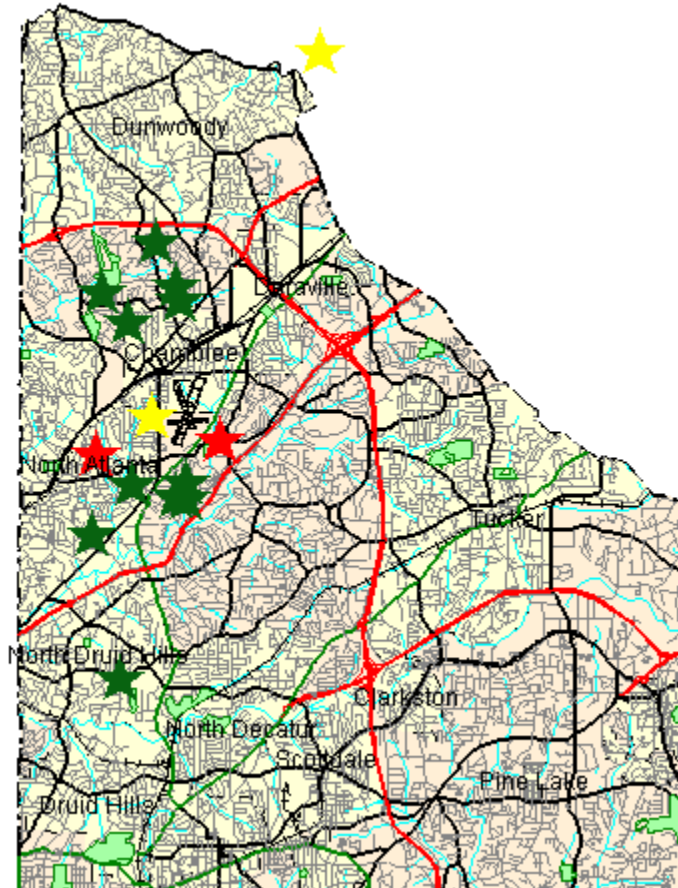
Fox	10/8/2020 6:30	10/8/2020 6:30	21L	D	CL60	JTL777	NMS03	74.8
Gardner	10/8/2020 14:28	10/8/2020 14:05	03L	D	UNKN	N674A		
F	10/9/2020 1:48	10/9/2020 1:47	16	D	C208	N414CY		
Yates	10/9/2020 11:39	10/9/2020 11:37	03L	D	UNKN	N941CS		
Jakobsen	10/9/2020 12:04	10/9/2020 12:01	03L	D	P28A	N980A	NMS01	71.1
Yates	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



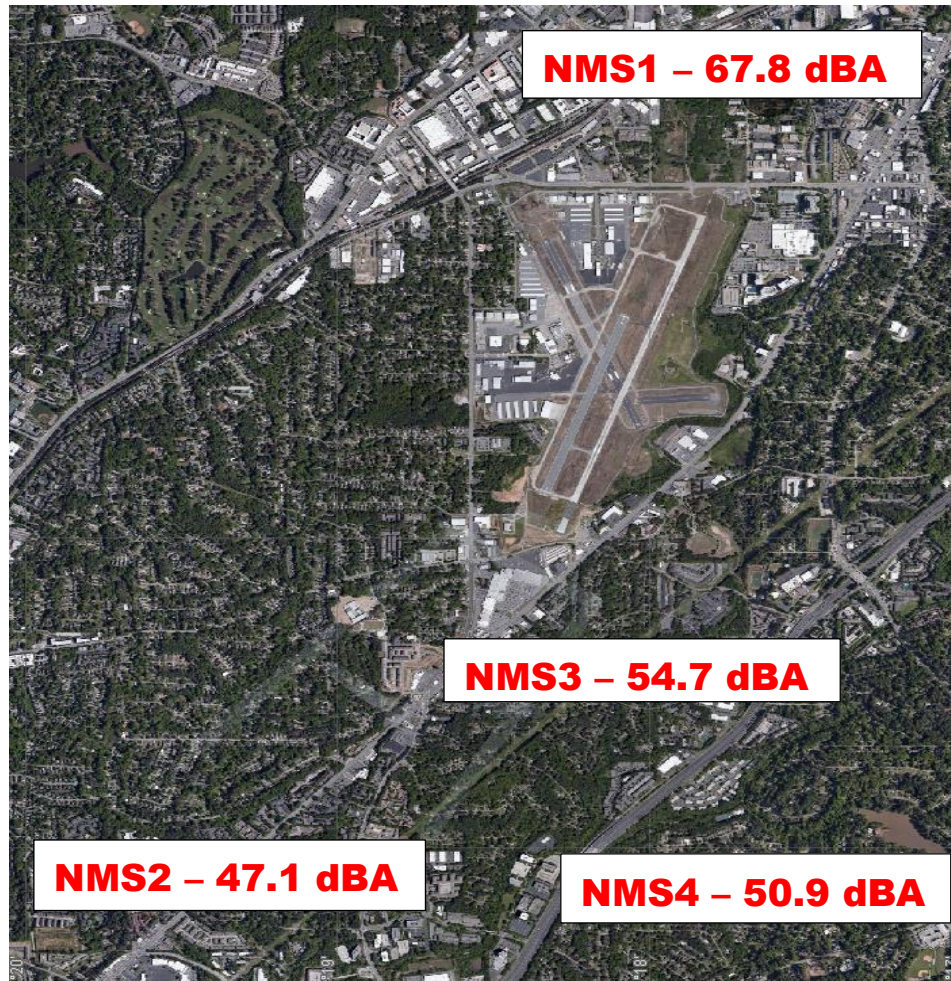
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

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**)

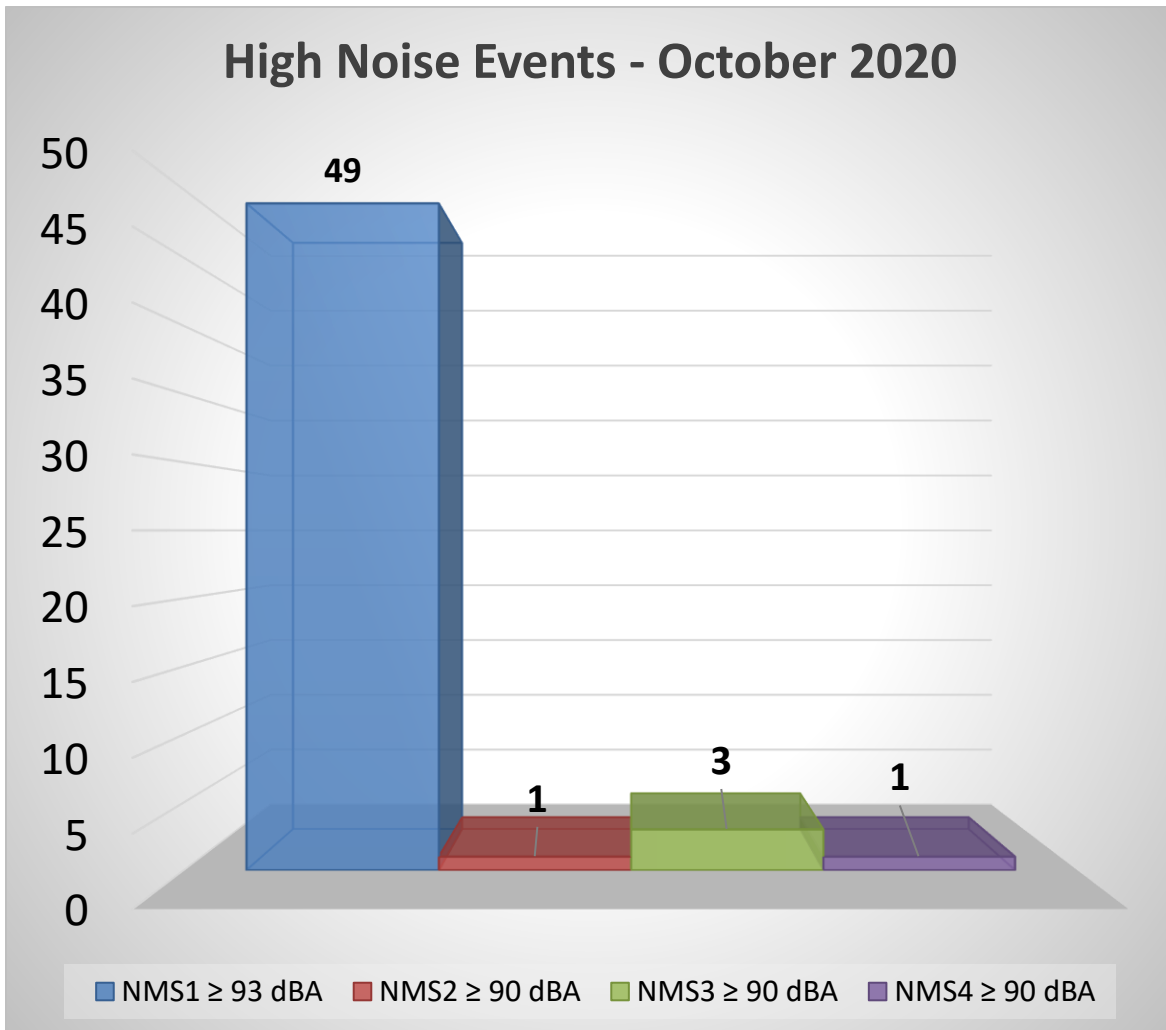
1 Aircraft with 42 Operations (**CTL67**)

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.



Monthly Noise & Operations Report September 2020

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

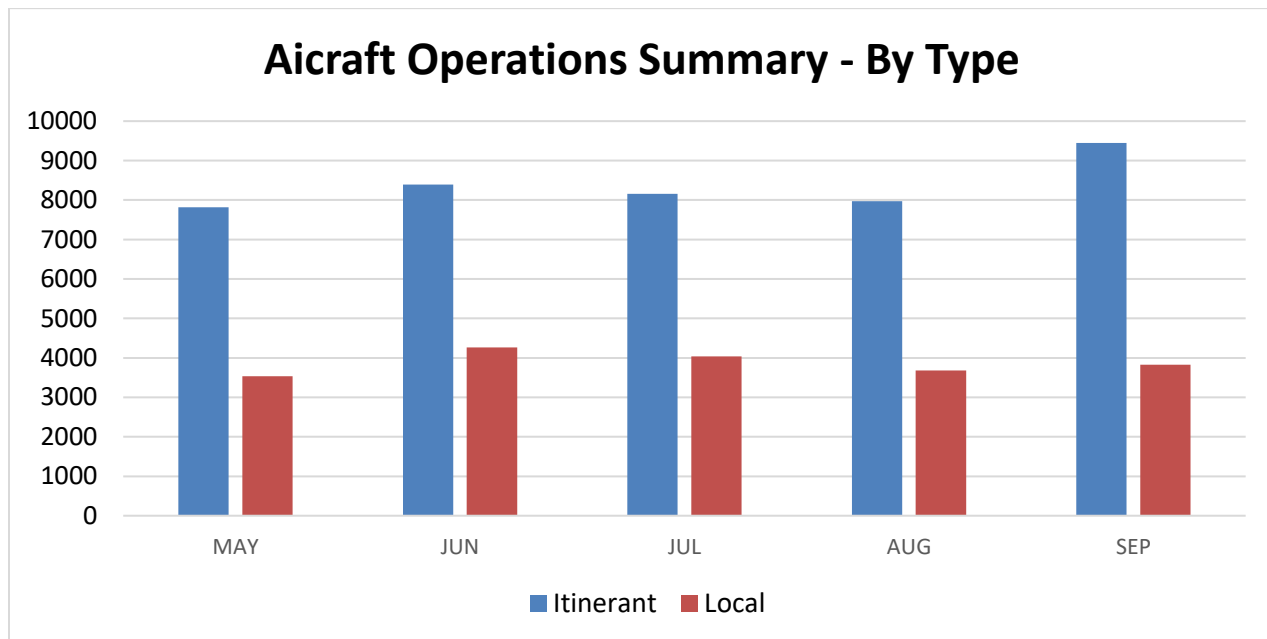
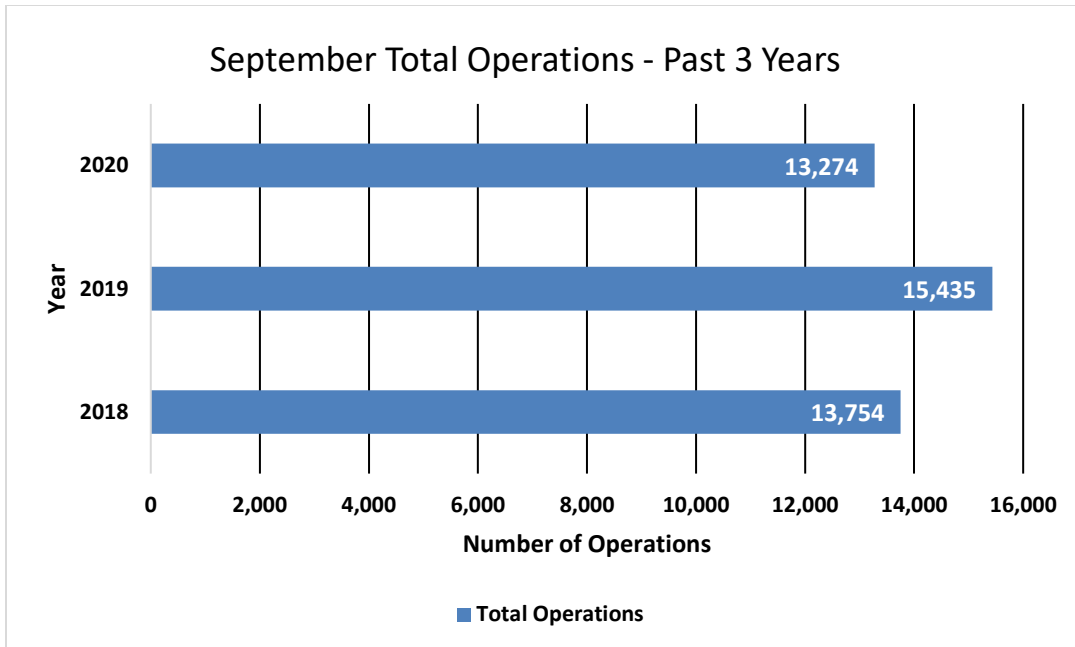
September 2020 Aircraft Operations:

	This Month	This Month, Last Year (September 2019)	% Change from September 2019	5-Year Average for Month
Total Operations	13,274	15,435	-14.00%	14,199
Itinerant	9,444	10,864	-13.07%	10,261
Local	3,830	4,571	-16.21%	3,938
Voluntary Curfew Ops	565	372	51.88%	428
Prior Authorization	124	(0) Noise disturbance calls associated with these flights. (4) 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.

September 2020 Aircraft Operations Summary

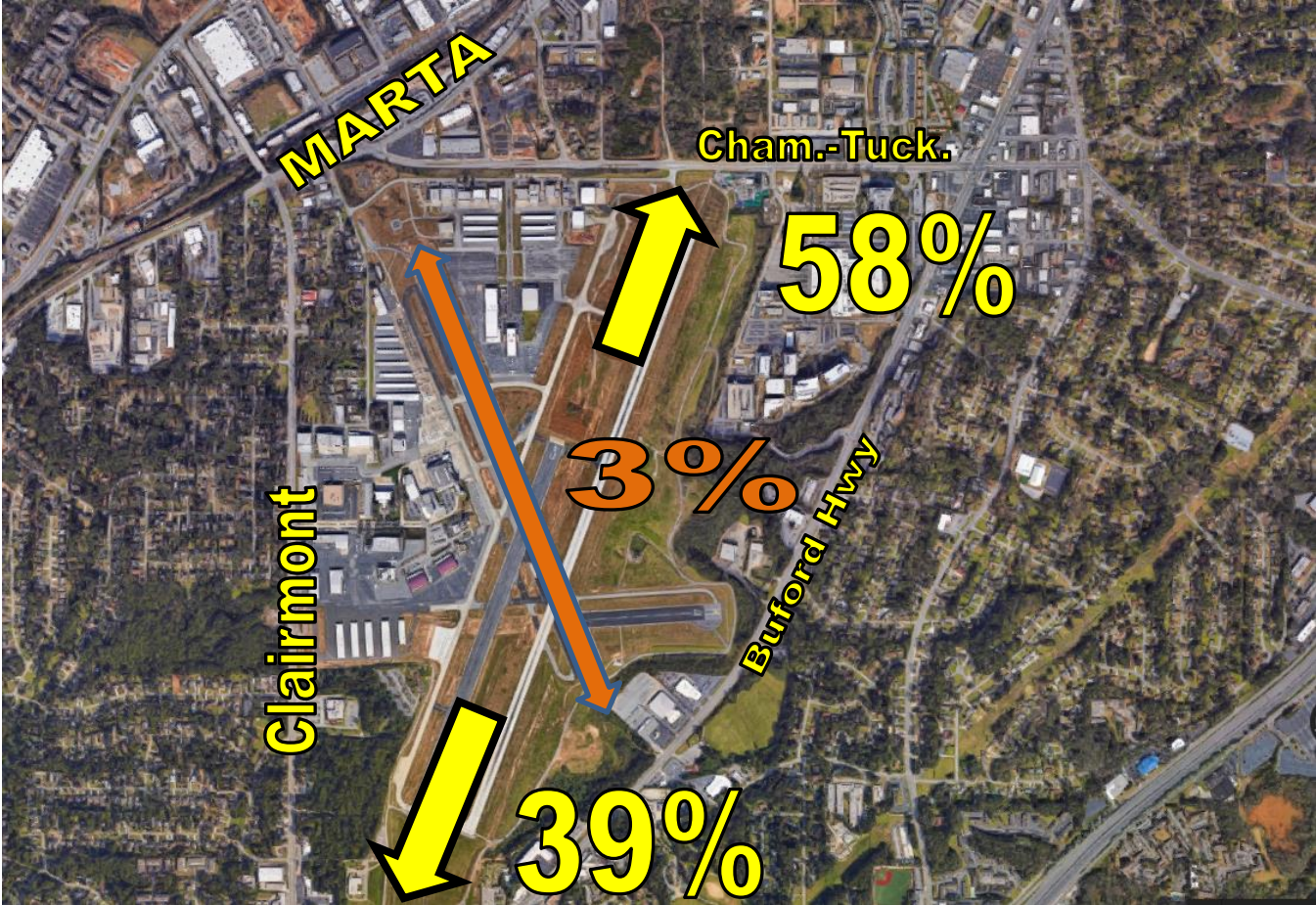


2019 Total Operations	2019 Total Operations as of September 2019	Total 2020 Ops as of September 2020
161,367	120,632	102,384 (-15.13%)

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				
NOV				
DEC				

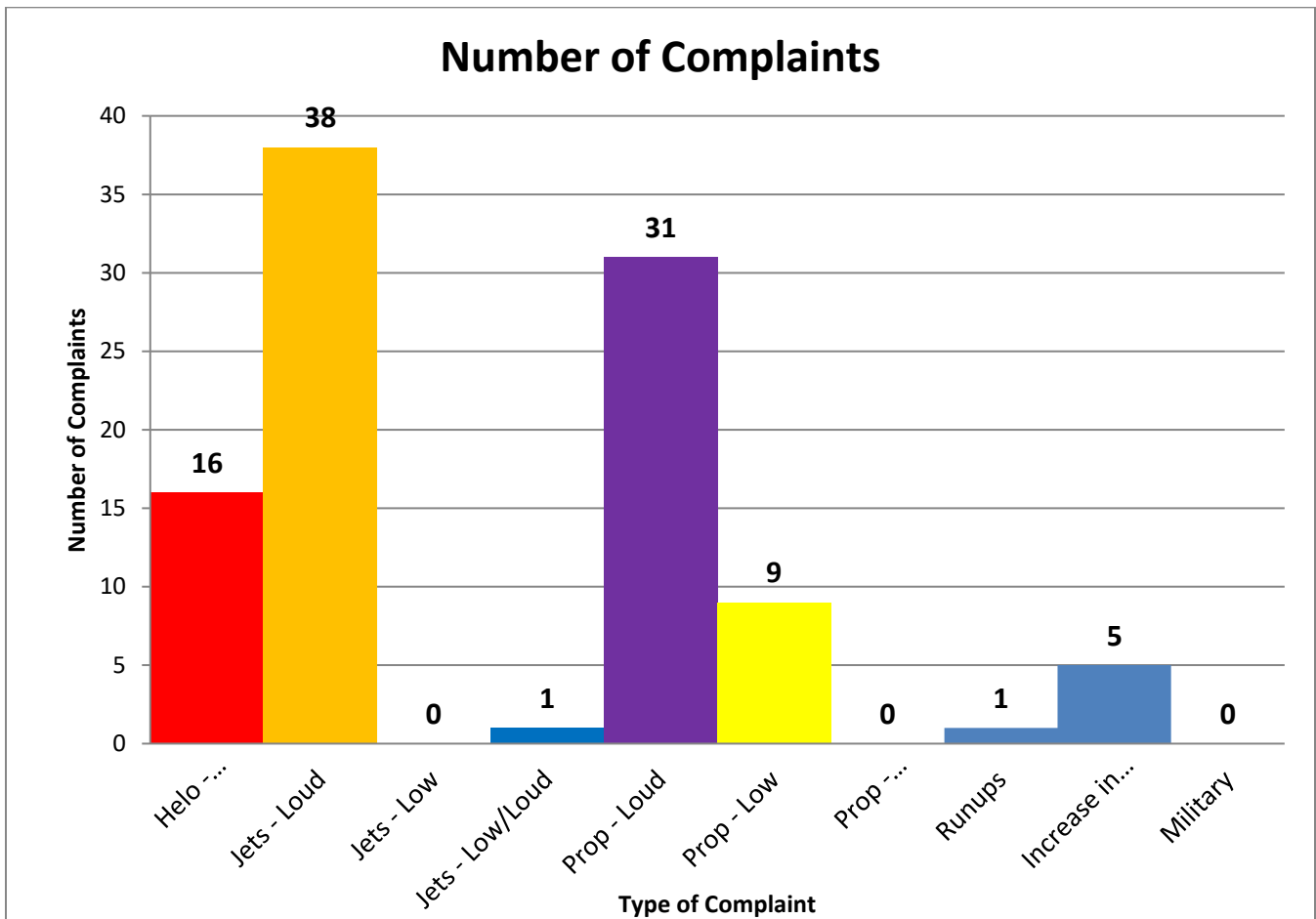
Runway Mode of Operations – September 2020

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.

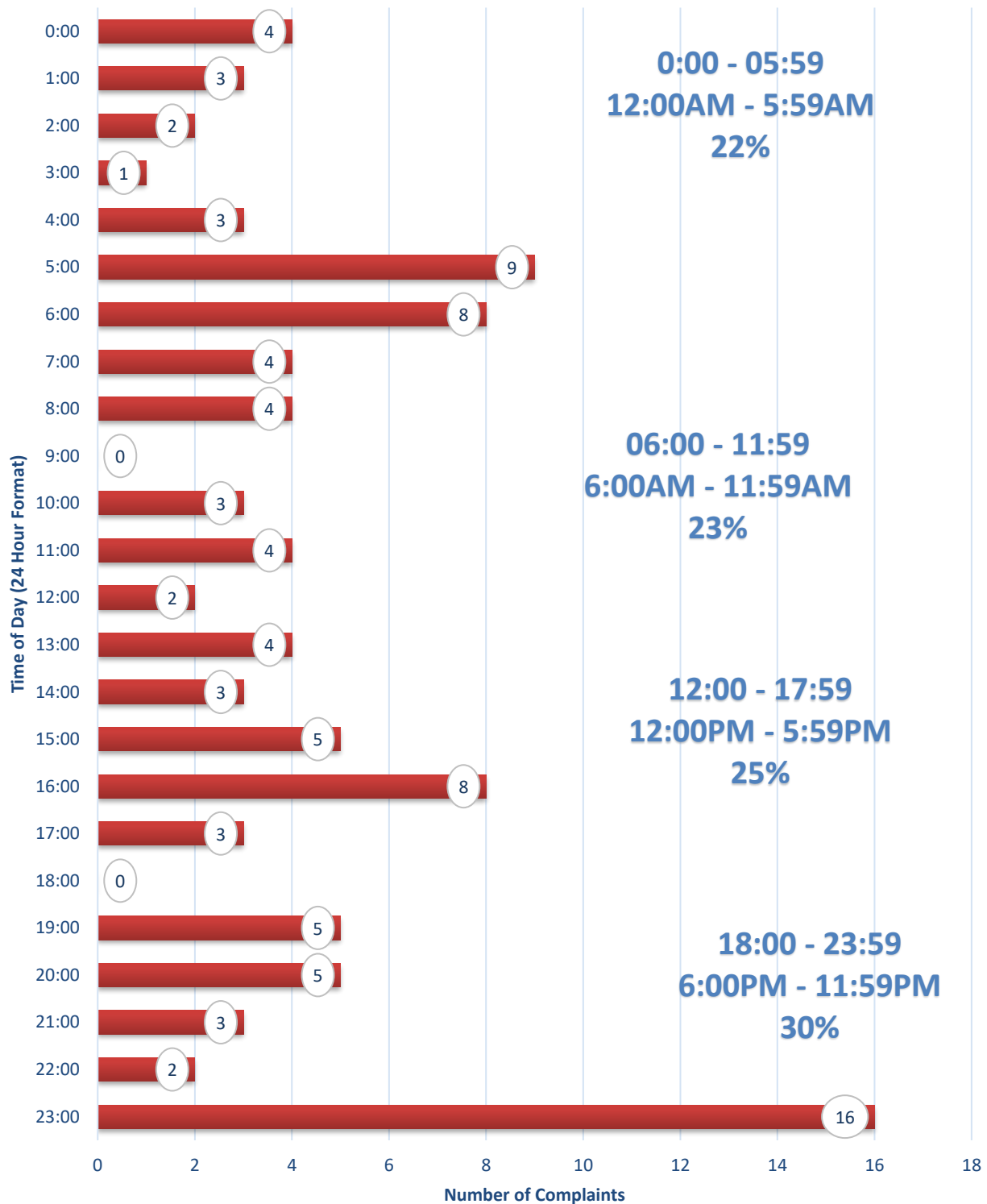


Noise Disturbance Summary

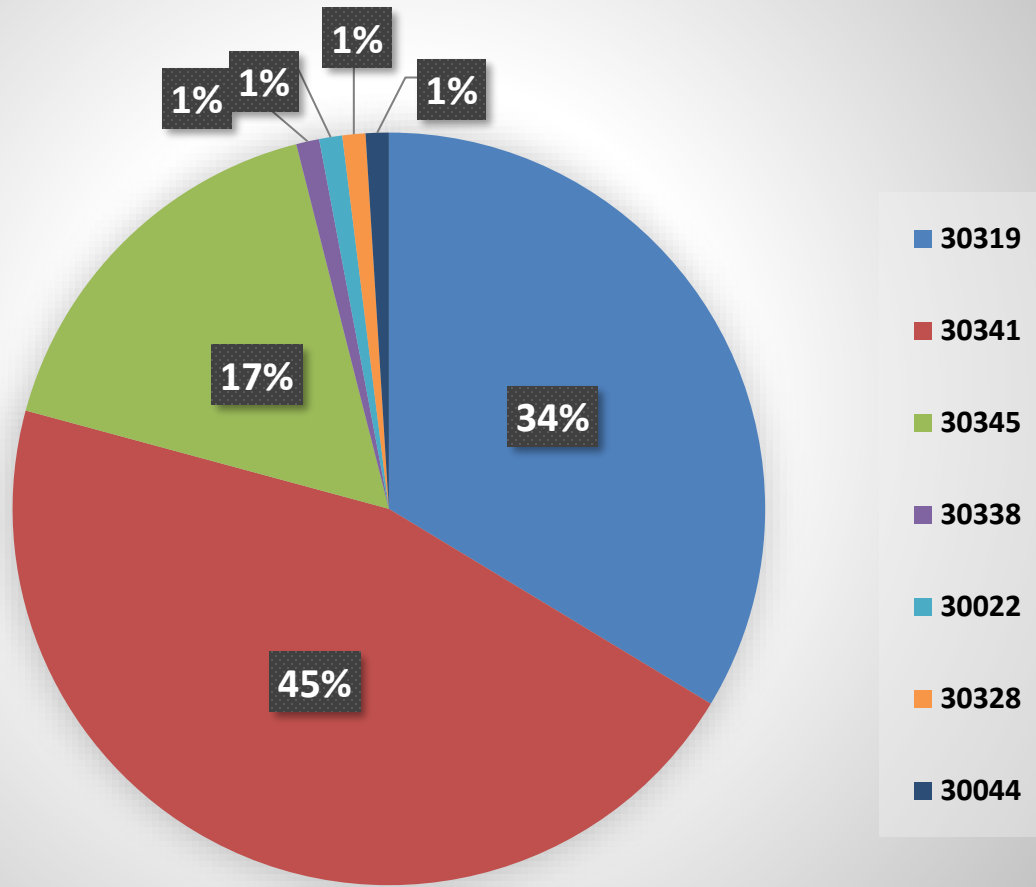
Total complaints for September 2020	Monthly Complaint Average 2020	September 2020 Complaints per Household <i>(minus top two/Households)</i>	September 2020 Complaints per Household <i>All Inclusive</i>
101	102	1.75	4.6



Number of Complaints by Hour



Zip Code Complaints

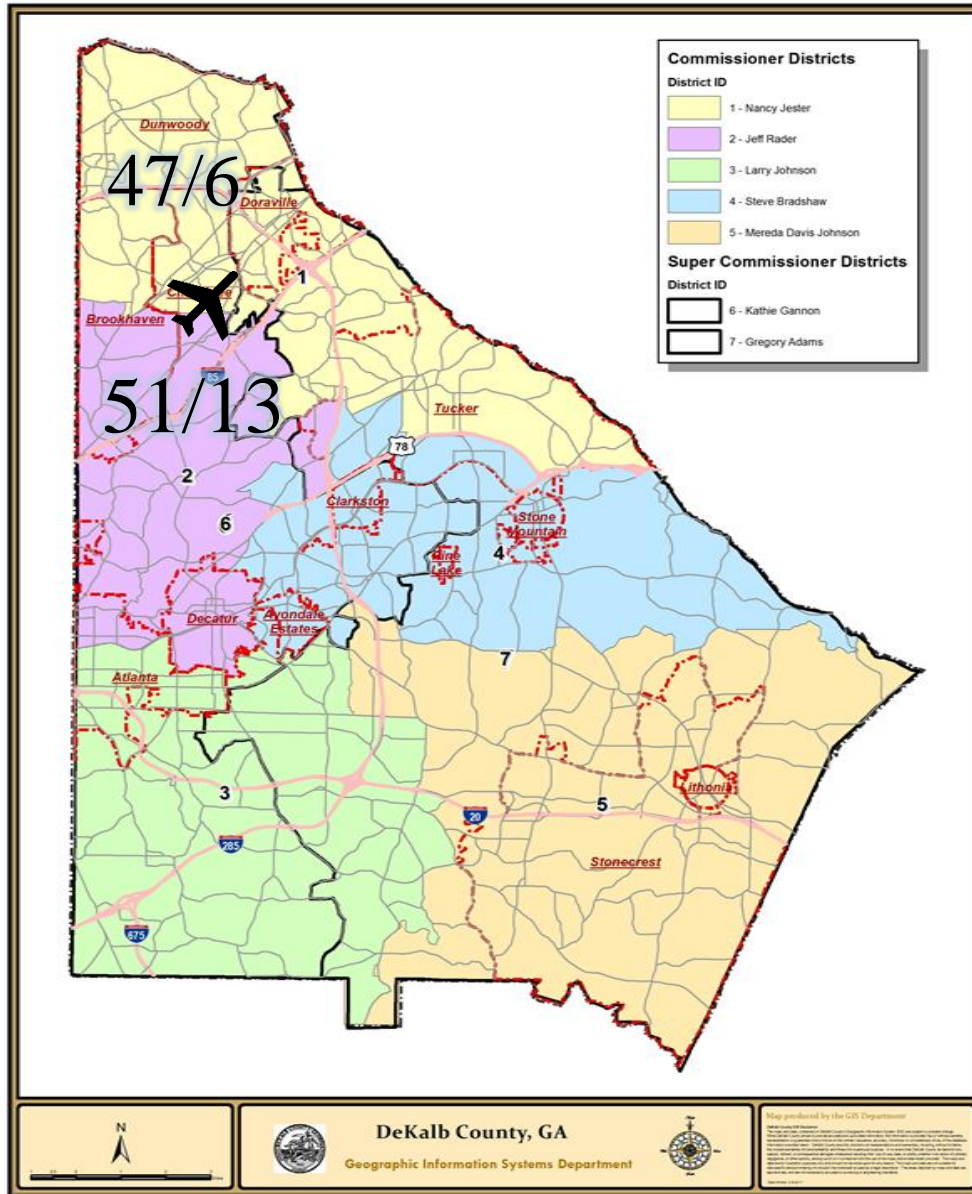


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	34%
30341	Chamblee - North	45%
30345	Chamblee - South	17%
30338	Dunwoody	1%
30022	Alpharetta	1%
30328	Sandy Springs	1%
30044	Lawrenceville	1%

Complaints by Caller

Name	Address	City	Zip Code	ItemCount
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	30
Yager	5162 Sheraton Drive	Dunwoody	30338	1
Chmelir	1907 Clairmont Terrace NE	Atlanta	30345	1
Anon-1	2449 Dresden Dr	Atlanta	30341	36
Masone	2352 Burch Cir NE	Atlanta	30319	1
Neill	2562 Dering Ct NE	Atlanta	30345	1
Floyd	3622 Carmel Rd	Chamblee	30341	1
Yates	1889 9th Street	Chamblee	30341	7
Anon-2	1000 Old Snellville Hwy	Lawrenceville	30044	1
Davidian	1806 Duke Road	Chamblee	30341	1
Robinson	2586 Warwick Cir NE	Chamblee	30345	2
Van Pelt	1752 Morris Landers Dr	Atlanta	30345	1
Anon-4	Longs Peak Dr	Alpharetta	30022	1
Maki	2445 Flair Knoll Dr NE	Atlanta	30345	1
Yin	Kaylen Dr	Chamblee	30341	1
Douglas	2427 Coosawattee Dr NE	Atlanta	30319	1
Fox	Woodacres Rd NE	Atlanta	30345	7
Baldwin	2392 Bynum Rd NE	Atlanta	30319	1
Philips	2442 Wentworth Dr NE	Atlanta	30345	2
Anon-3	1493 Dresden Dr	Atlanta	30319	1
Butler	17 Dunwoody Springs Dr	Atlanta	30328	1
Bevins	2536 Woodacres Rd NE	Atlanta	30345	2

Complaints per Commission District



47/6

51/13

Total Number of Complaints




Total Number of Complainants

101 /
22

There were 3 complainant(s) outside of DeKalb County with 3 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 **98 (97%)** out of **101** complaints:

- **95 or 94%** of the noise complaints were found to be **Direct** correlations
- **3 or 3%** were **Indirect** correlations to operations
- **3 or 3%** 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
Anon-1	9/1/2020 1:17	9/1/2020 1:17	21L	D	BE58	LBQ850	NMSO 3	70.1
Philips	9/1/2020 4:38	9/1/2020 4:32	21L	D	PC12	SKQ31	NMSO 3	69
Anon-1	9/1/2020 6:20	9/1/2020 6:07	21L	D	C560	N469ES		
Anon-1	9/1/2020 6:30	9/1/2020 6:13	21L	D	UNKN	UNKNOWN	NMSO 3	73.7
Anon-3	9/1/2020 7:15	9/1/2020 7:02	21R	D	S22T	N99HS		
Schneeberg	9/1/2020 8:18	9/1/2020 8:17	16	D	UNKN	N4488H		
Schneeberg	9/1/2020 21:08	9/1/2020 20:59	21R	D	UNKN	N314GT		
Schneeberg	9/1/2020 21:12	9/1/2020 20:59	21R	D	UNKN	N314GT		
Masone	9/1/2020 22:05	9/1/2020 21:54	21L	D	BE20	CTE816		
Anon-1	9/2/2020 0:04	9/2/2020 0:06	UNK	A	GLF4	N685MF	NMSO 3	70.8
Anon-1	9/2/2020 5:08	9/2/2020 5:00	03R	D	UNKN	N946HC		
Schneeberg	9/2/2020 19:53	9/2/2020 19:43	21R	D	UNKN	N795AM		
Schneeberg	9/2/2020 20:03	9/2/2020 19:53	21R	D	UNKN	N103AV		
Schneeberg	9/2/2020 20:05	9/2/2020 19:53	21R	D	UNKN	N103AV		
Yates	9/2/2020 20:43	9/2/2020 20:44	UNK	A	UNKN	N117CH		
Anon-1	9/2/2020 23:23	9/2/2020 23:31	21L	A	C172	N704RB		
Yin	9/3/2020 1:04							
Anon-1	9/3/2020 5:47	9/3/2020 5:42	21L	D	UNKN	N442GJ	NMSO 3	79.1
Schneeberg	9/3/2020 8:53	9/3/2020 8:55	03L	A	UNKN	N704RB		
Schneeberg	9/3/2020 19:23	9/3/2020 19:01	21R	D	UNKN	N314GT		
Schneeberg	9/3/2020 19:28	9/3/2020 19:25	21R	D	UNKN	N103AV		
Anon-1	9/4/2020 23:57	9/4/2020 23:54	21L	D	GLF4	N146BG	NMSO 3	69.5

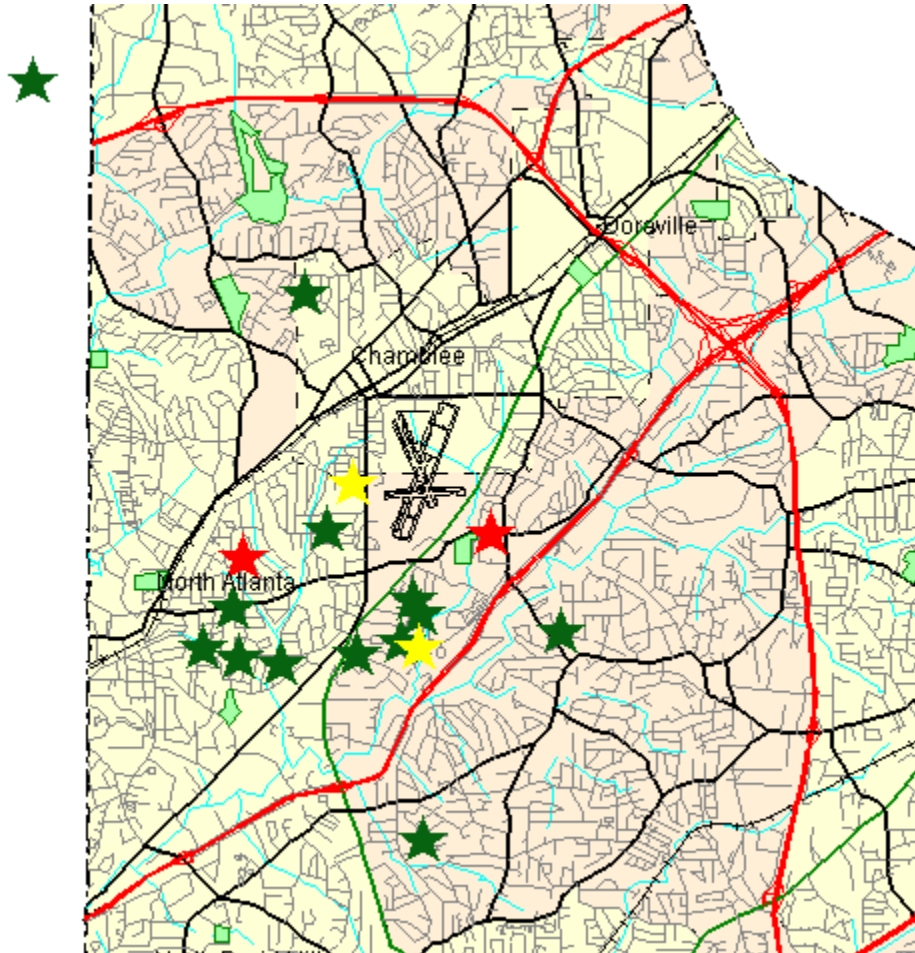
Schneeberg	9/5/2020 11:38	9/5/2020 11:43	03R	A	C68A	EJA637		
Schneeberg	9/5/2020 17:23	9/5/2020 17:27	03L	T	UNKN	N36GF		
Schneeberg	9/5/2020 19:53	9/5/2020 19:53	UNK	D	UNKN	UNKNOWN		
Neill	9/5/2020 23:45							
Yates	9/6/2020 20:41	9/6/2020 20:44	03R	A	UNKN	N63MP		
Yates	9/6/2020 20:41	9/6/2020 20:44	03R	A	UNKN	N63MP		
Anon-1	9/7/2020 2:25	9/7/2020 2:06	03L	A	UNKN	N117CH		
Anon-4	9/7/2020 8:31	9/7/2020 8:27	03R	D	BE20	N502GF		
Schneeberg	9/7/2020 16:38	9/7/2020 16:27	03L	D	UNKN	N543BZ		
Butler	9/7/2020 21:43	9/7/2020 21:48	8R	D	B739	UNKNOWN		
Anon-1	9/7/2020 23:36	9/7/2020 23:42	03R	A	PC12	N245PE	NMSO 3	66.8
Maki	9/8/2020 23:15	9/8/2020 23:13	21L	D	BE58	LBQ782		
Davidian	9/9/2020 0:12	9/9/2020 0:14	21L	A	LJ60	FTD506	NMSO 3	69.8
Anon-1	9/10/2020 23:47	9/10/2020 23:52	21L	A	C650	N400WK		
Anon-1	9/11/2020 0:01	9/11/2020 0:05	21L	A	PC12	LBQ783		
Philips	9/11/2020 10:20	9/11/2020 10:08	21L	D	BE50	N9664R	NMSO 3	76.9
Douglas	9/11/2020 11:30	9/11/2020 11:02	21R	D	P28A	N482A		
Bevins	9/11/2020 12:17	9/11/2020 12:09	21L	D	CL30	LXJ533	NMSO 3	75.2
Anon-1	9/12/2020 5:31	9/12/2020 5:24	21L	D	C560	N154JK	NMSO 3	75.5
Yates	9/13/2020 15:22	9/13/2020 15:22	UNK	D	UNKN	N117CH		
Robinson	9/13/2020 15:58	9/13/2020 15:50	21L	D	CL35	EJA753	NMSO 3	77.9
Robinson	9/13/2020 17:10	9/13/2020 17:02	21L	D	C502	N551RJ	NMSO 3	80.6
Yager	9/14/2020 2:11							
Fox	9/14/2020 5:40	9/14/2020 5:23	21L	D	H25B	YEL2	NMSO 3	80.4
Fox	9/14/2020 6:10	9/14/2020 5:58	21L	D	BE40	JTL480	NMSO 3	74.6




Fox	9/14/2020 6:10	9/14/2020 5:58	21L	D	BE40	JTL480	NMSO 3	74.6
Fox	9/14/2020 6:12	9/14/2020 5:58	21L	D	BE40	JTL480	NMSO 3	74.6
Fox	9/14/2020 6:12	9/14/2020 5:58	21L	D	BE40	JTL480	NMSO 3	74.6
Baldwin	9/14/2020 6:14	9/14/2020 6:05	21L	D	BE40	N500TH	NMSO 2	82.4
Anon-1	9/15/2020 3:58	9/15/2020 3:50	03R	D	C56X	GLT777		
Chmelir	9/15/2020 15:43	9/15/2020 15:48	03R	A	C68A	EJA502		
Anon-1	9/16/2020 4:06	9/16/2020 3:59	03R	D	E55P	N310GV		
Anon-1	9/17/2020 7:39	9/17/2020 7:35	03R	A	EA50	N54KJ	NMSO 3	71.2
Yates	9/18/2020 14:10	9/18/2020 14:10	03L	D	UNKN	N659A		
Schneeberg	9/18/2020 16:44	9/18/2020 16:43	UNK	D	UNKN	N2AQ		
Anon-1	9/19/2020 0:30	9/19/2020 0:30	21L	A	PC12	LBQ840		
Schneeberg	9/19/2020 13:53	9/19/2020 13:51	03R	T	UNKN	N485A		
Schneeberg	9/19/2020 13:55	9/19/2020 13:51	03R	T	UNKN	N485A		
Schneeberg	9/19/2020 14:00	9/19/2020 14:00	03L	D	P28A	N6743F		
Yates	9/19/2020 17:05	9/19/2020 17:05	03L	D	UNKN	N81771		
Anon-1	9/21/2020 10:56	9/21/2020 10:57	UNK	A	UNKN	UNKNOWN		
Schneeberg	9/21/2020 19:54	9/21/2020 19:36	UNK	O	C172	N46556		
Schneeberg	9/22/2020 15:22	9/22/2020 15:08	UNK	O	UNKN	N50317		
Schneeberg	9/22/2020 15:26	9/22/2020 15:32	03L	A	UNKN	N997MC		
Anon-1	9/22/2020 23:23	9/22/2020 23:22	03R	D	LJ60	N936SM		
Anon-1	9/22/2020 23:30	9/22/2020 23:31	03L	A	UNKN	N423AE		
Schneeberg	9/23/2020 11:51	9/23/2020 11:51	03L	A	UNKN	N434BZ		
Yates	9/23/2020 16:50	9/23/2020 16:49	03L	D	P28A	N32355		

Anon-1	9/23/2020 22:23	9/23/2020 22:22	03R	A	SBR1	N799MW		
Anon-1	9/24/2020 23:39	9/24/2020 23:38	21L	D	BE58	LBQ782	NMSO 3	76.3
Anon-1	9/25/2020 5:51	9/25/2020 5:51	21L	D	C56X	EJA565	NMSO 3	75.8
Van Pelt	9/26/2020 11:13	9/26/2020 11:11	21L	D	BE36	N686AG	NMSO 4	71.7
Schneeber g	9/26/2020 14:14	9/26/2020 14:12	21R	D	UNKN	N32440		
Schneeber g	9/26/2020 16:23	9/26/2020 15:58	21R	D	UNKN	N542A		
Schneeber g	9/26/2020 16:26	9/26/2020 15:58	21R	D	UNKN	N542A		
Schneeber g	9/26/2020 16:29	9/26/2020 16:05	UNK	D	UNKN	N7109C		
Schneeber g	9/27/2020 8:27	9/27/2020 7:57	03L	D	UNKN	N659A		
Schneeber g	9/27/2020 12:49	9/27/2020 12:37	03L	D	UNKN	N81771		
Schneeber g	9/27/2020 13:02	9/27/2020 13:00	03L	A	BE35	N5028B		
Schneeber g	9/27/2020 16:04	9/27/2020 16:03	21R	D	UNKN	FFL444		
Anon-1	9/28/2020 7:47	9/28/2020 7:47	21L	D	E55P	EJA367	NMSO 3	72.5
Schneeber g	9/28/2020 16:57	9/28/2020 16:35	21R	D	UNKN	N73924		
Anon-1	9/28/2020 23:14	9/28/2020 23:17	21L	A	BE58	LBQ782		
Anon-1	9/29/2020 5:53	9/29/2020 5:53	21L	D	C68A	EJA570	NMSO 3	79.1
Fox	9/29/2020 5:53	9/29/2020 5:53	21L	D	C68A	EJA570	NMSO 3	79.1
Anon-1	9/29/2020 5:58	9/29/2020 5:53	21L	D	C68A	EJA570	NMSO 3	79.1
Fox	9/29/2020 5:59	9/29/2020 5:53	21L	D	C68A	EJA570	NMSO 3	79.1
Anon-1	9/29/2020 7:50	9/29/2020 7:46	21L	D	PC12	N330NX	NMSO 3	72
Anon-1	9/29/2020 13:06	9/29/2020 12:59	UNK	O	UNKN	UNKNOWN	NMSO 3	92.1
Anon-1	9/29/2020 23:12	9/29/2020 23:12	21L	D	E55P	N1111J	NMSO 3	80.7
Anon-1	9/29/2020 23:24	9/29/2020 23:23	21L	A	LJ60	N613HA		

Anon-1	9/29/2020 23:32	9/29/2020 23:32	03R	D	BE58	LBQ782		
Anon-2	9/30/2020 1:09	9/30/2020 1:02	03R	D	PC12	LBQ783		
Anon-1	9/30/2020 4:52	9/30/2020 4:41	21L	D	PC12	SKQ31	NMS0 3	73.5
Floyd	9/30/2020 6:00	9/30/2020 6:06	34	D	UNKN	N2AQ		
Bevins	9/30/2020 10:30	9/30/2020 10:31	21R	D	UNKN	N258KJ	NMS0 3	81.7
Anon-1	9/30/2020 23:14	9/30/2020 23:15	21L	A	B350	GAJ874		
Anon-1	9/30/2020 23:32	9/30/2020 23:32	21L	D	BE58	LBQ782	NMS0 3	72.6
Anon-1	9/30/2020 23:57	9/30/2020 23:32	21L	D	BE58	LBQ782	NMS0 3	72.6

Disturbance Location Pin Map – September 2020



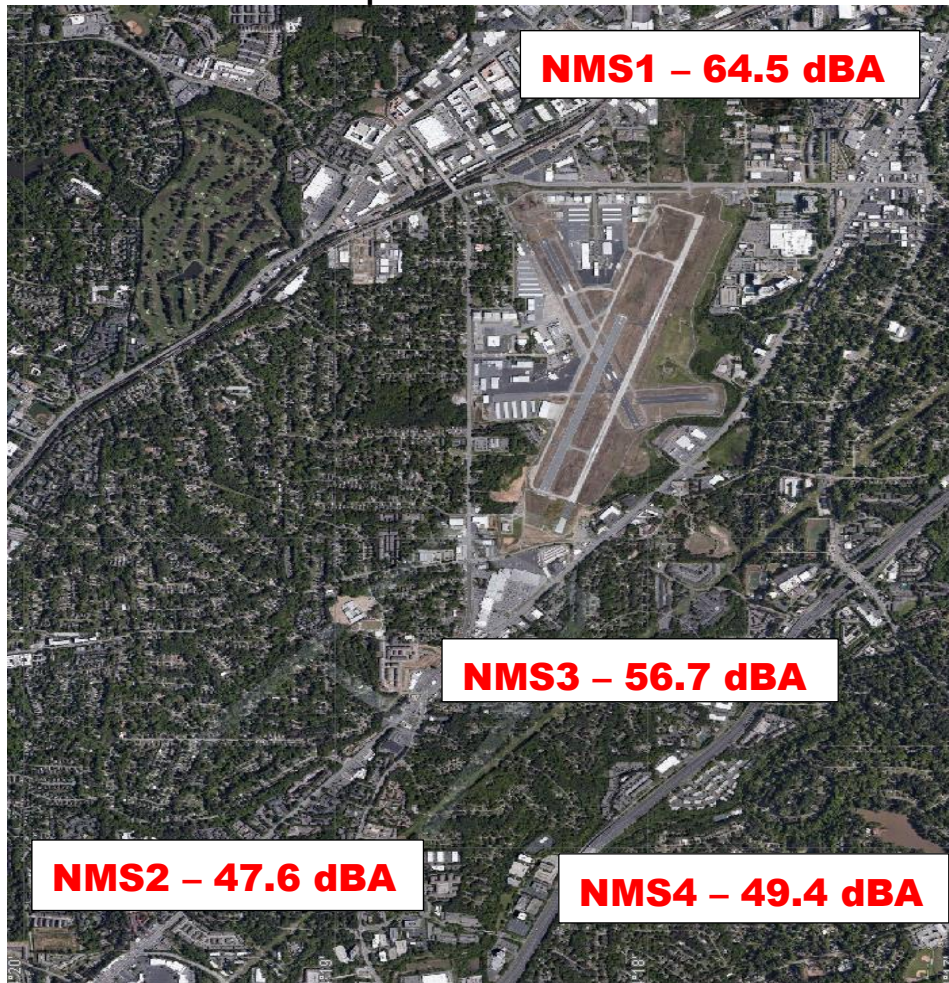
-  1-5 Complaints
-  6-10 Complaints
-  11+ Complaints

Complainants with Complaints Total

(3 Complainant(s) outside of DeKalb County)

Monthly Noise Levels at Monitors

September 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 **563 (99.7%)** of the **565** operations during the voluntary curfew period (11PM-6AM) during the month of **September 2020**. Of the **563** identified operations, **421 (75%)** 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, **96 one-time** operations were conducted during this period.
- Out of the *identified* operations, **467 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:

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

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

42 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 **September 2020**.

38 (37.6%) 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 – 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)

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

26 Aircraft with 2 Operations (N72GR, N610RL, N350KM, **N93LF, LBQ782**, CTL101, N777ZL, FNX1393, **N895CR**, N258SB, **N296AE, N133LN**, KFS44, N1334X, **N72SG**, N91853, N7784G, KFS69, N857CB, N54854, **N179SF**, N608HR, N504A, **N407LS, N412GJ, N355AE**)

4 Aircraft with 3 Operations (**N649AE**, N421ZZ, **CTL397**, N154JK)

3 Aircraft with 4 Operations (N140SB, N81771, **N377P**)

3 Aircraft with 5 Operations (**N423AE, EMD28, N445CH**)

4 Aircraft with 6 Operations (N685MF, **N525LX, N329GS, SKQ44**)

1 Aircraft with 7 Operations (N6919J)

1 Aircraft with 9 Operations (N103AV)

1 Aircraft with 14 Operations (**N208LS**)

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

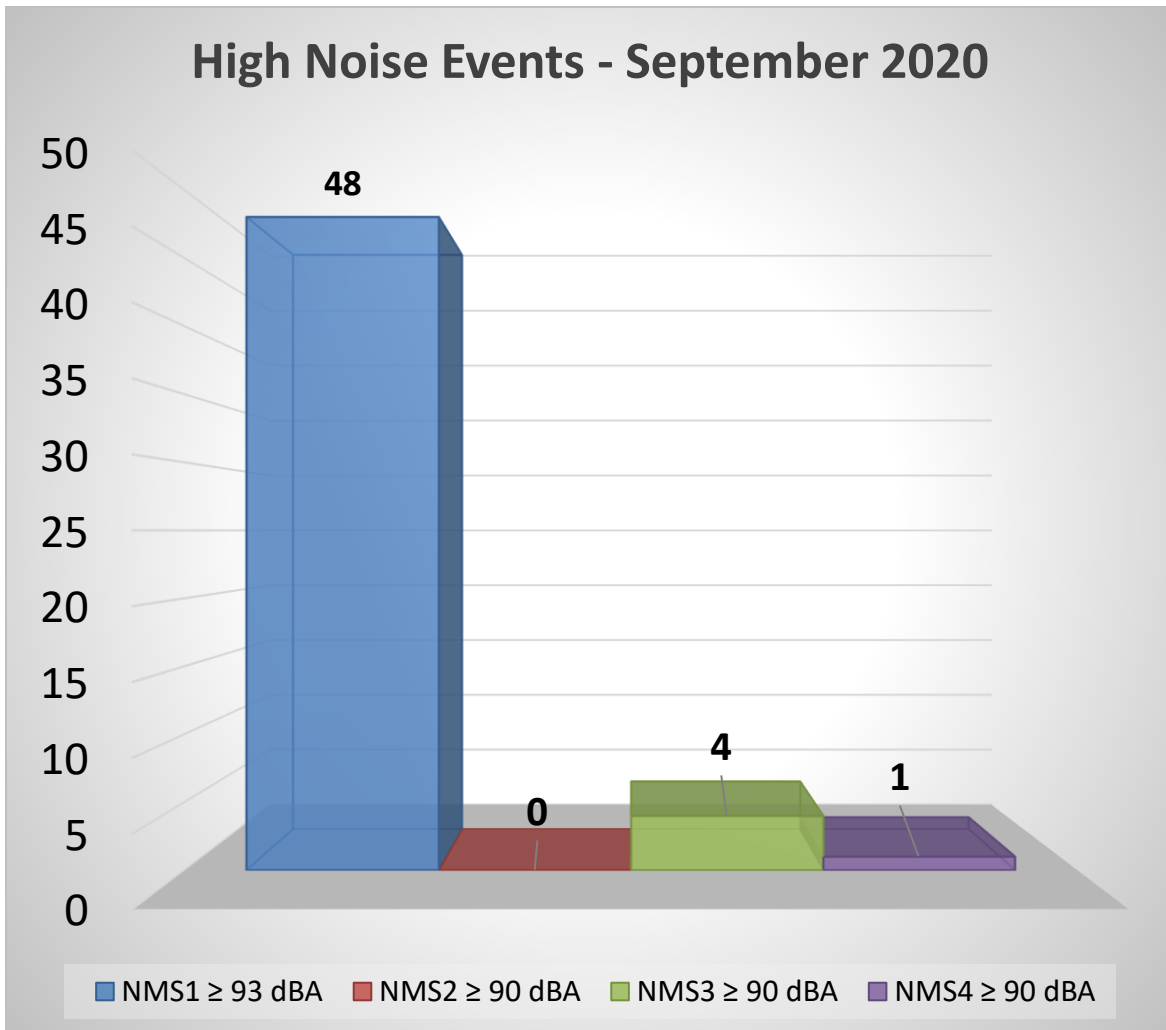
1 Aircraft with 42 Operations (**CTL67**)

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

A total of **142** advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of **September** 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 **53** advisory letters were sent out this month for aircraft identified as Exceeding PDK's high noise event threshold.



September 2020

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

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

August 2020

6 Aircraft with 2 High Noise Event (N30WR, N99VS, N116RW, N789HA, N272TX, N420QS)

1 Aircraft with 3 High Noise Events (N58DH)

Comments/Concerns?

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