

Monthly Noise Report

September 2018

Prepared by:
Nate Schattner

Noise & Environmental 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.

September 2018 Aircraft Operations:

	This Month	This Month, Last Year (September 2017)	% Change from September 2017	5-Year Average for Month
Total Operations	13,754	14,466	-4.92%	13,087
Itinerant	9,329	10,926	-14.62%	9,875
Local	4,425	3,540	+25.00%	3,211
Voluntary Curfew Ops	377	493	-23.53%	343
Prior Authorization	71	(4) Noise disturbance calls associated with these flights. (7) Voluntary curfew ops were associated with these flights.		

Prior Authorization
(Section 6-93 Code)

Operation

Itinerant

Local

Voluntary Curfew Ops

Military aircraft or aircraft certified by the FAA with a max gross take-off weight greater than 75,000 pounds

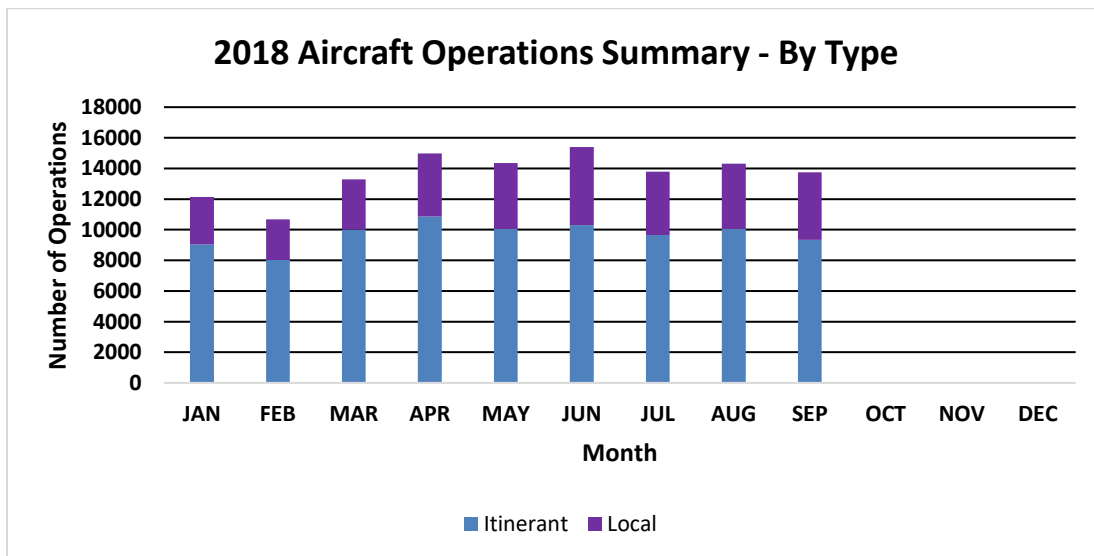
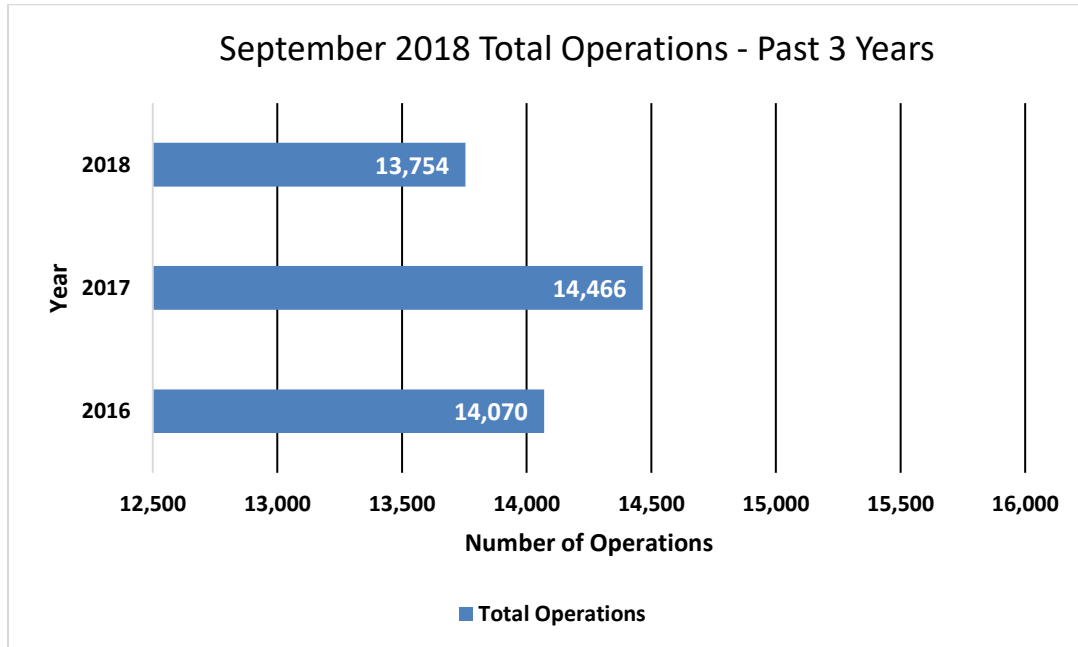
One take-off or landing. Touch-and-go counts as two operations

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 2018 Aircraft Operations Summary

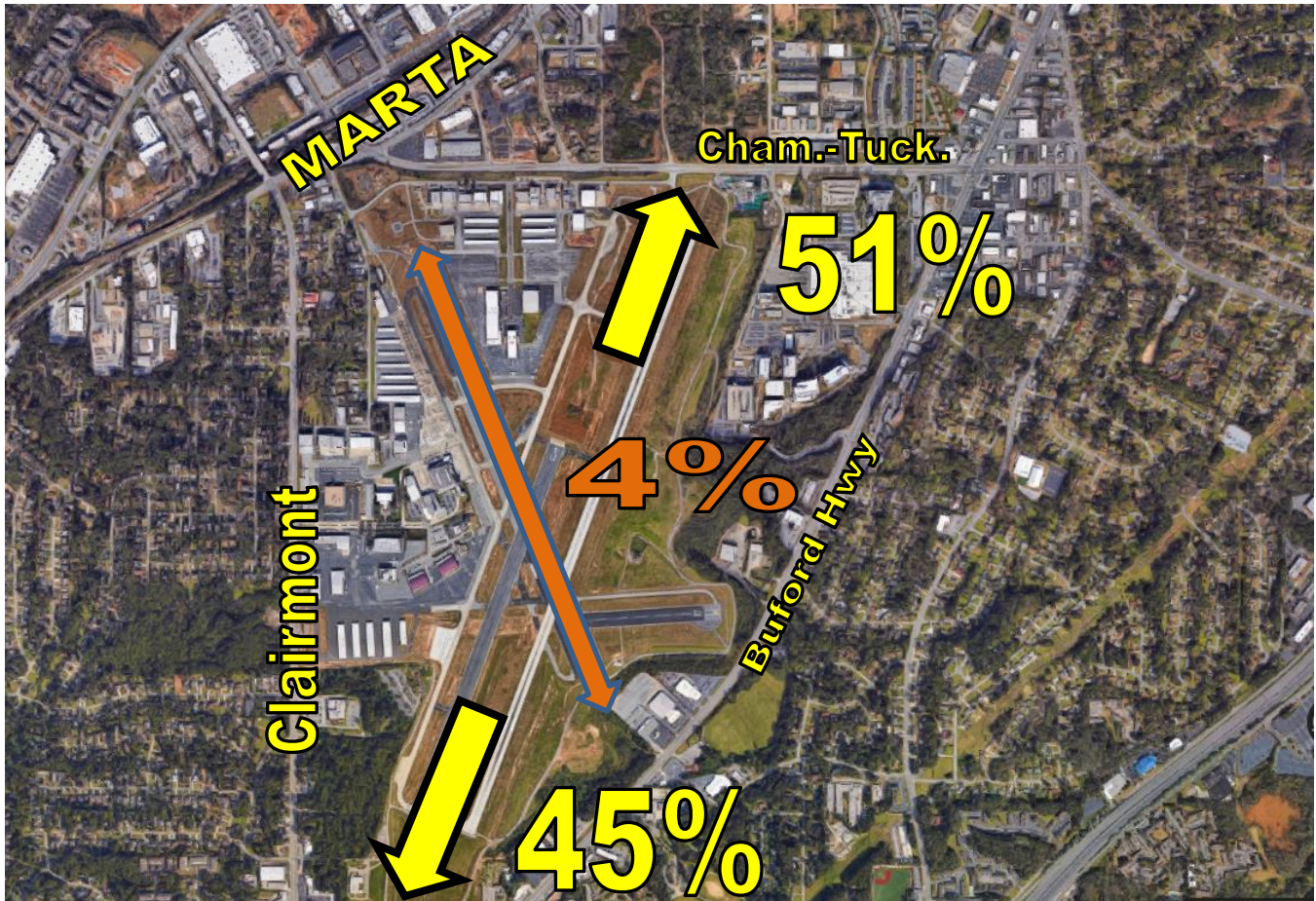


2017 Total Operations	2017 Total Operations as of September 2017	Total 2018 Ops as of September 2018
159,066	120,812	122,663 (+1.53%)

2018 Operations by Month				
	Itinerant	Local	Total Tower- Recorded Operations	Voluntary Curfew
JAN	9,055	3,074	12,129	378
FEB	8,029	2,638	10,667	297
MAR	10,007	3,272	13,279	362
APR	10,871	4,107	14,978	364
MAY	10,041	4,321	14,362	373
JUN	10,293	5,103	15,396	348
JUL	9,644	4,151	13,795	321
AUG	10,059	4,244	14,303	333
SEP	9,329	4,425	13,754	377
OCT				
NOV				
DEC				

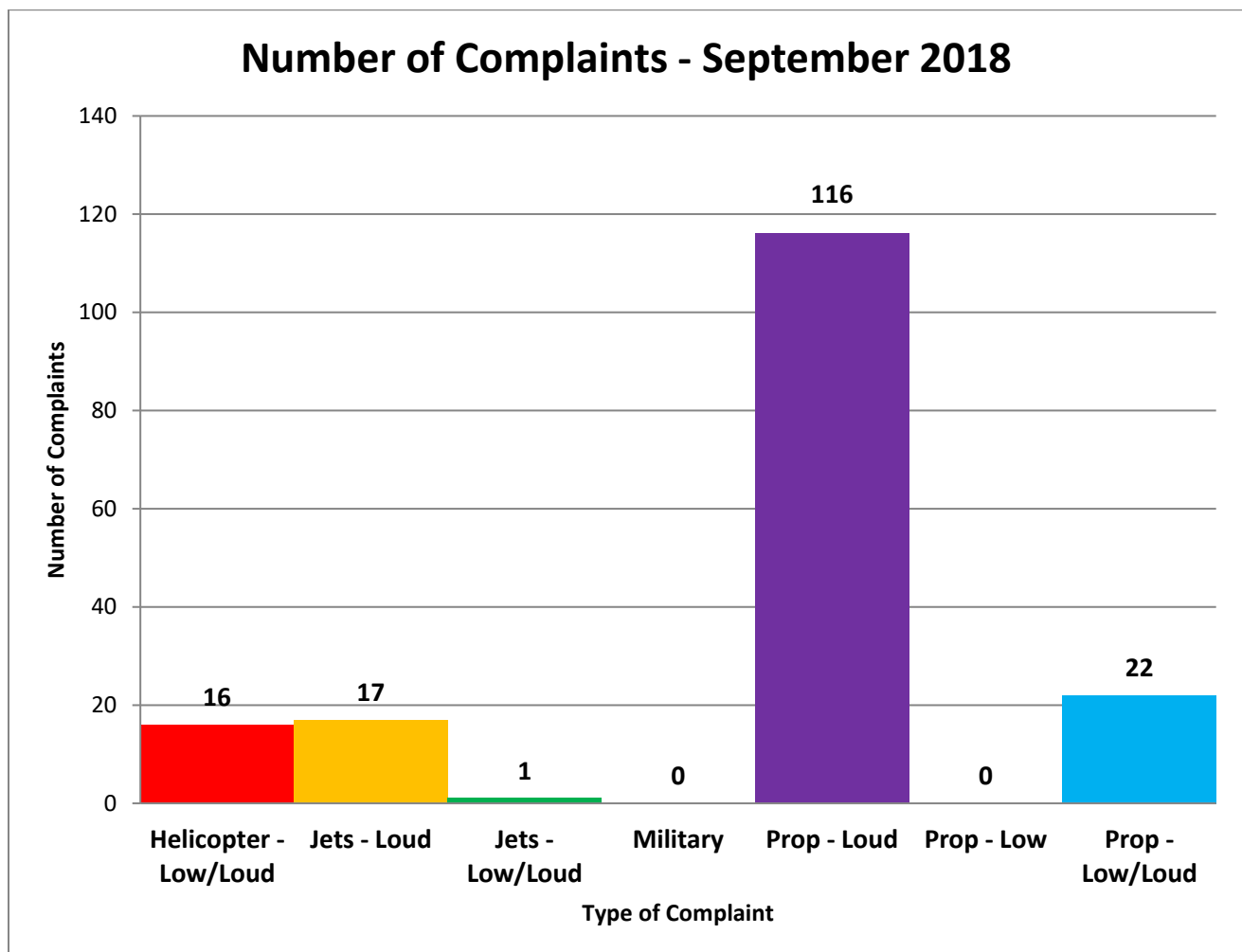
Runway Mode of Operations – September 2018

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.

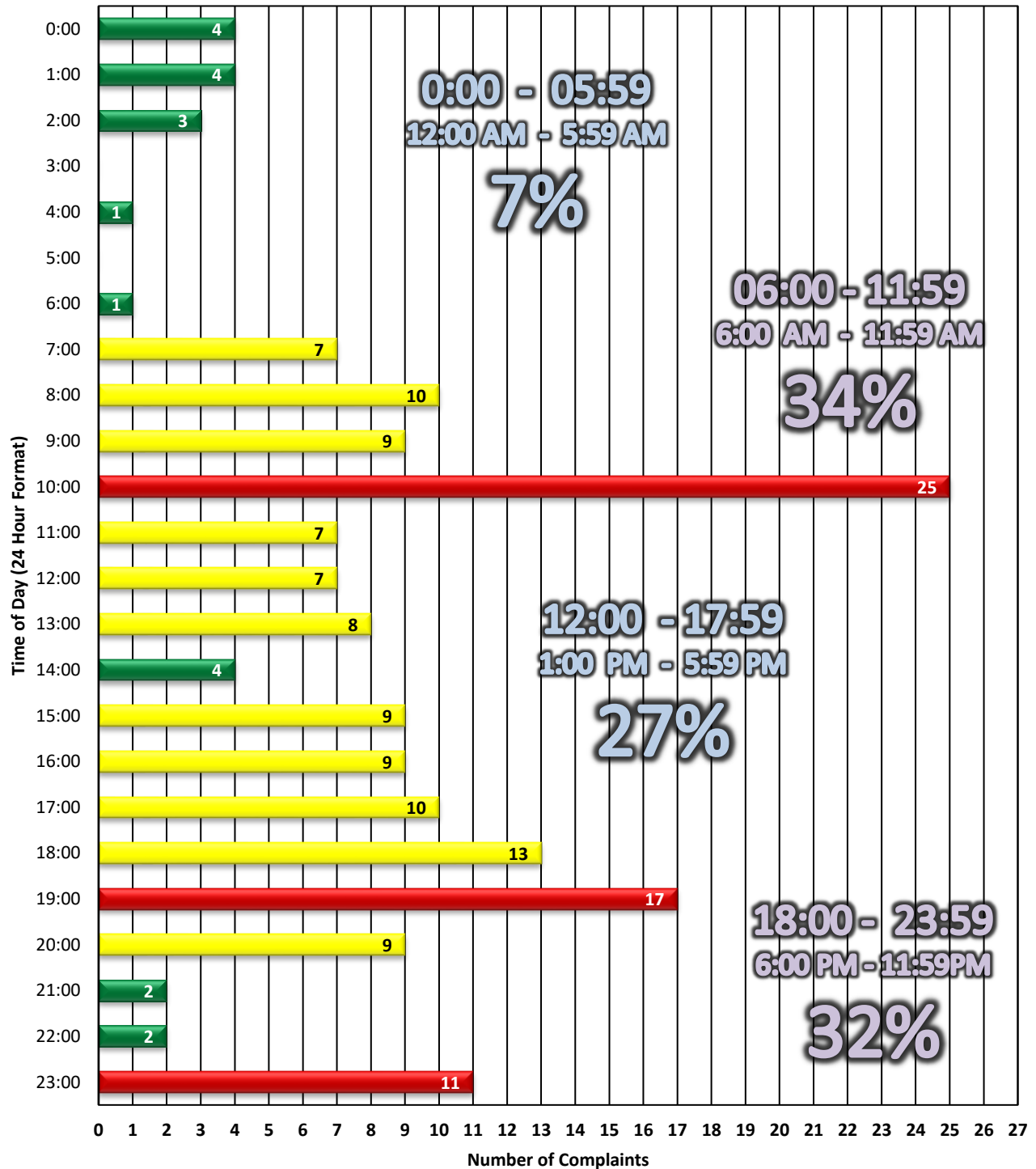


Noise Disturbance Summary

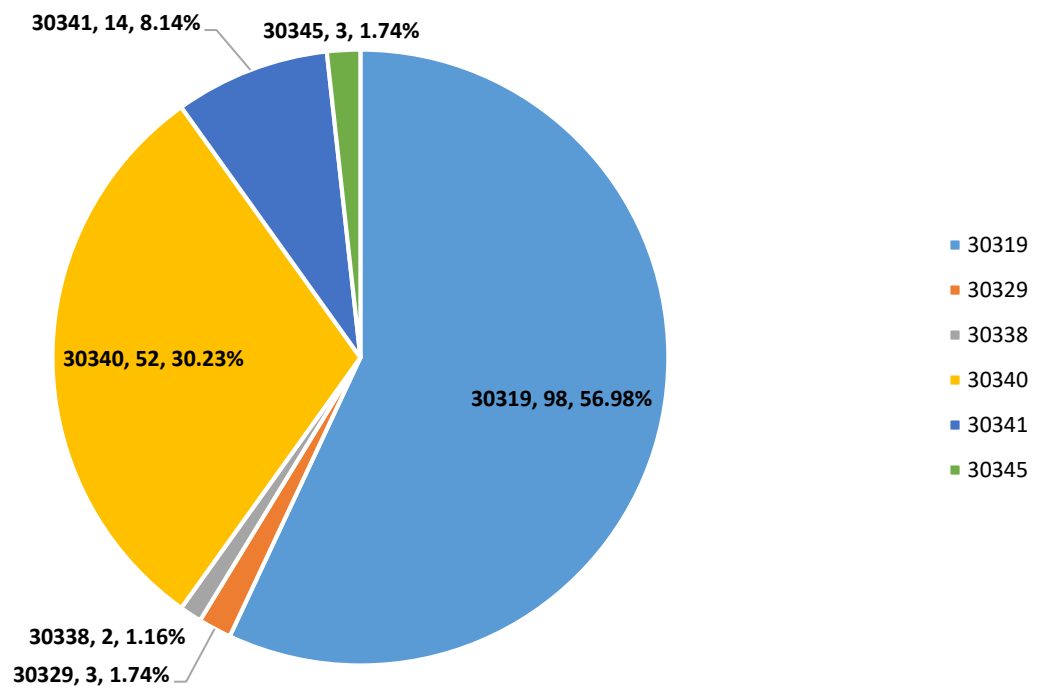
Total complaints for September 2018	Monthly Complaint Average 2018	September 2018 Complaints per Household <i>(minus top two/Households)</i>	September 2018 Complaints per Household <i>All Inclusive</i>
172	136.7	3.6	7.8



Number of Complaints by Hour



Complaints by Zip Code - September 2018

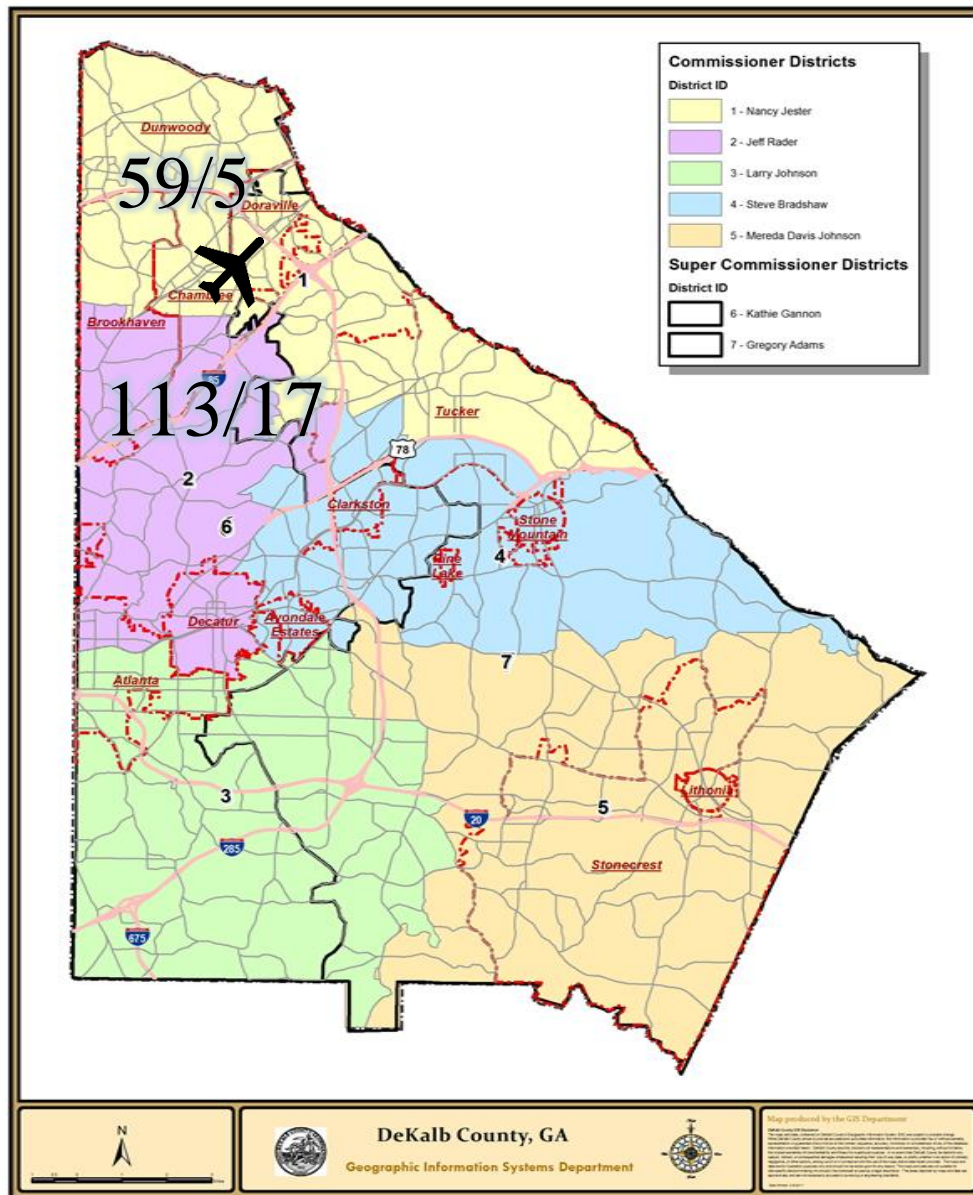


Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	56.98%
30329	Atlanta – North Druid Hills	1.74%
30338	Dunwoody	1.16%
30340	Doraville	30.23%
30341	Chamblee – North	8.14%
30345	Chamblee - South	1.74%

Complaints by Caller

Name	Address	City	Zip Code	# of Complaints
Snyder	3439 Allison Dr	Doraville	30340	52
Anonymous - Del003	2486 Skyland Trail NE	Brookhaven	30319	47
Anonymous - Sch013	1685 Cotswold Drive NE	Brookhaven	30319	25
Terry	2652 Cove Circle NE	Brookhaven	30319	12
Feldman	2376 Arrow Cir	Chamblee	30341	5
Schneeberg	2707 Ashford Rd NE	Brookhaven	30319	4
Anonymous - Alo001	3253 Clairmont North	Chamblee	30329	3
Polsinelli	2016 Drew Valley Rd NE	Brookhaven	30319	3
Gardner	3752 Ensign Drive	Chamblee	30341	2
Crecente	2554 Drew Valley Rd NE	Brookhaven	30319	2
Hamilton	3029 Skyland Dr.	Chamblee	30341	2
Tyler	1818 Tobey Rd	Chamblee	30341	2
Needle	3144 Parkridge Crescent	Chamblee	30341	2
Chilivis	2352 Logan Cir NE	Brookhaven	30319	2
Sanke	4485 Huntington Circle	Dunwoody	30338	2
Doyle	2541 Dering Pl NE	Chamblee	30345	1
Ringstrom	2456 Oostanaula Dr	Brookhaven	30319	1
Kaiser	1634 Wayland Circle NE	Brookhaven	30319	1
Van Pelt	1752 Morris Landers Dr	Chamblee	30345	1
Anonymous - Dun006	2486 Skyland Trail NE	Brookhaven	30319	1
Anonymous - Bla009	2679 Warwick Circle NE	Chamblee	30345	1
Palmer	3848 Greenhill Drive	Chamblee	30341	1

Complaints per Commission District






Total Number of Complaints
Total Number of Complainants

172/
22

Correlation Chart of Noise Complaints to Operations

Chart Legend:

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

The airport correlated **168 (97.67%)** out of **172** complaints:

- **165 or 95.93%** of the noise complaints were found to be **Direct** correlations
- **3 or 1.74%** were **Indirect** correlations to operations
- **4 or 2.33%** 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: *Nate Schattner, Airport Noise and Environmental Analyst*, for more information regarding the PDK Good Neighbor Program at (770) 936-5440 or neschattner@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	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Snyder	9/1/2018 10:06	9/1/2018 10:06	3R	D	UNK	UNK	NMS 1	68.2
Snyder	9/1/2018 10:07	9/1/2018 10:06	3R	D	UNK	UNK	NMS 1	68.2
Snyder	9/1/2018 10:12	9/1/2018 10:11	3L	D	UNK	UNK	NMS 1	79.9
Snyder	9/1/2018 10:14	9/1/2018 10:11	3L	D	UNK	UNK	NMS 1	79.9
Snyder	9/1/2018 10:18	9/1/2018 10:18	3R	D	UNK	UNK	-	-
Snyder	9/1/2018 10:23	9/1/2018 10:24	3R	D	UNK	UNK	NMS 1	69
Van Pelt	9/1/2018 10:41	9/1/2018 10:41	3R	A	E55P	N418QS	-	-
Snyder	9/1/2018 11:09	9/1/2018 11:09	3L	D	M20P	N57FM	NMS 1	75.3
Snyder	9/1/2018 11:52	9/1/2018 11:52	UNK	D	UNK	UNK		
Snyder	9/1/2018 12:11	9/1/2018 12:09	3L	D	S22T	N828DZ	NMS 1	78.5
Snyder	9/1/2018 13:11	9/1/2018 13:10	3L	D	C172	N203GT	NMS 1	69.7
Snyder	9/1/2018 18:14	Not Correlated						
Snyder	9/1/2018 18:17	Not Correlated						
Snyder	9/1/2018 19:40	9/1/2018 19:40	UNK	D	UNK	UNK	-	-
Snyder	9/1/2018 20:09	9/1/2018 20:08	3R	D	COL4	N2528T	NMS 1	74.3
Terry	9/2/2018 16:56	9/2/2018 16:58	UNK	A	EA30	N53FZ	NMS 3	72.1
Snyder	9/5/2018 16:46	9/5/2018 16:46	UNK	D	HELO	N2AQ	-	-
Anonymous - Del003	9/5/2018 16:49	9/5/2018 16:49	UNK	A		N911UG	-	-
Anonymous - Del003	9/5/2018 16:58	9/5/2018 16:57	21R	D	C172	N203GT	NMS 3	75.5
Anonymous - Del003	9/5/2018 17:18	9/5/2018 17:17	21R	D	C172	N203GT	NMS 1	69.6

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Snyder	9/5/2018 19:24	9/5/2018 19:25	21L	A	UNK	UNK	-	-
Needle	9/6/2018 7:53	9/6/2018 7:53	3R	A	C560	N508KD	-	-
Gardner	9/6/2018 9:43	Not Correlated						
Snyder	9/6/2018 16:00	9/6/2018 16:00	21L	A	UNK	UNK	-	-
Snyder	9/6/2018 17:06	9/6/2018 17:06	21L	D	C182	N3196Y	NMS 1	67.3
Crecente	9/6/2018 17:37	9/6/2018 17:36	21L	D	UNK	UNK	-	-
Snyder	9/6/2018 19:25	9/6/2018 19:26	21R	A	PA28	N585GE	-	-
Schneeberg	9/7/2018 7:54	9/7/2018 7:53	UNK	D	HELO	N2AQ	-	-
Anonymous - Del003	9/7/2018 23:55	Not Correlated						
Kaiser	9/8/2018 1:03	9/8/2018 1:01	21R	D	SW4	N203GT	-	-
Anonymous - Del003	9/8/2018 1:08	9/8/2018 1:07	21R	D	C172	N314GT	NMS 3	72.9
Anonymous - Del003	9/8/2018 2:43	9/8/2018 2:43	UNK	D	GLF5	N168CE	NMS 3	79.5
Chilivis	9/8/2018 2:45	9/8/2018 2:43	UNK	D	GLF5	N168CE	NMS 2	70.6
Needle	9/8/2018 15:28	Not Correlated						
Gardner	9/9/2018 10:15	9/9/2018 10:15	3R	D	UNK	UNK	NMS 1	74.3
Polsinelli	9/9/2018 18:22	9/9/2018 18:22	21L	D	CL35	N753QS	NMS 3	74
Polsinelli	9/9/2018 18:41	9/9/2018 18:41	21R	D	BE36	N637P	NMS 2	74.1
Anonymous - Sch013	9/9/2018 20:41	9/9/2018 20:40	21R	D	C68A	N81771	NMS 2	74.4
Polsinelli	9/9/2018 21:10	9/9/2018 21:10	UNK	D	C650	N438AD	NMS 2	79.1
Anonymous - Del003	9/10/2018 13:49	9/10/2018 13:48	21R	D	S22T	N681JK	NMS 3	69
Anonymous - Del003	9/10/2018 15:49	9/10/2018 15:49	UNK	D	UNK	UNK	NMS 3	76.5
Anonymous - Del003	9/10/2018 16:04	9/10/2018 16:03	UNK	D	PA31	N777VZ	NMS 3	69.7

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Anonymous - Del003	9/10/2018 20:46	9/10/2018 20:46	21R	D	S22T	N891DM	-	-
Ringstrom	9/10/2018 23:07	9/10/2018 23:06	21L	D	C550	N797TE	NMS 3	72.6
Anonymous - Del003	9/11/2018 1:43	9/11/2018 1:43		O	BE20	N332CA	-	-
Anonymous - Bla009	9/11/2018 4:30	9/11/2018 4:30	UNK	D	BE58	LBQ870	NMS 3	82.5
Anonymous - Sch013	9/11/2018 9:24	9/11/2018 9:18	21L	D	C25B	N18650	NMS 3	73.4
Anonymous - Del003	9/11/2018 17:08	9/11/2018 17:08	21R	D	PA28	N3126W	NMS 2	78.2
Anonymous - Del003	9/11/2018 18:03	9/11/2018 18:03	21L	D	UNK	UNK	NMS 3	71.1
Anonymous - Del003	9/11/2018 19:41	9/11/2018 19:41	21L	D	BE36	N23VS	NMS 3	74.5
Anonymous - Alo001	9/11/2018 23:47	9/11/2018 23:47	3R	A	GLF5	N102DZ	-	-
Anonymous - Alo001	9/11/2018 23:52	9/11/2018 23:52	3R	A	PC12	LBQ850	NMS 3	69.7
Terry	9/12/2018 20:17	9/12/2018 20:16	21L	D	PC12	N36TA	NMS 3	70.4
Anonymous - Del003	9/13/2018 0:55	9/13/2018 0:55	3R	D	PC12	N120QD	NMS 3	73.4
Anonymous - Del003	9/13/2018 1:26	9/13/2018 1:26	UNK	D	C208	N208LS	NMS 3	73.9
Anonymous - Del003	9/13/2018 11:39	9/13/2018 11:38	UNK	D	UNK	UNK	NMS 3	73.5
Anonymous - Del003	9/13/2018 11:42	9/13/2018 11:41	21L	D	PC24	N357ET	NMS 3	76.9
Anonymous - Del003	9/13/2018 15:05	9/13/2018 15:05	21R	D	S22T	N531DT	NMS 3	71.7
Anonymous - Sch013	9/13/2018 17:49	9/13/2018 17:48	21R	D	PA28	N7664F	NMS 2	73.6
Anonymous - Sch013	9/13/2018 19:33	9/13/2018 19:29	21R	D	C172	N314GT	NMS 3	71.5
Anonymous - Sch013	9/13/2018 19:35	9/13/2018 19:35	21R	D	C172	N314GT	NMS 3	77
Anonymous - Sch013	9/13/2018 19:47	9/13/2018 19:43	21R	D	C172	N1006V	NMS 2	69.1
Schneeberg	9/14/2018 7:52	9/14/2018 7:52	UNK	D	HELO	N2AQ	-	-
Snyder	9/15/2018 7:25	9/15/2018 7:27	3L	D	DA40	N6919J	NMS 1	67.2

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Snyder	9/15/2018 10:24	9/15/2018 10:05	3R	D	C150	N60612	-	-
Snyder	9/15/2018 10:26	9/15/2018 10:26	UNK	D	UNK	UNK	NMS 1	75.7
Snyder	9/15/2018 10:36	9/15/2018 10:35	3L	D	SR22	N234MJ	NMS 1	71.1
Snyder	9/15/2018 11:15	9/15/2018 11:14	3L	D	BE35	N3147W	NMS 1	80.3
Snyder	9/15/2018 18:28	9/15/2018 18:28	UNK	D	UNK	UNK	-	-
Snyder	9/15/2018 18:40	9/15/2018 18:40	3R	A	SR22	N717MS	-	-
Sanke	9/16/2018 6:38	9/16/2018 6:37	3R	D	GLF3	N500GF	NMS 3	96.1
Snyder	9/16/2018 17:20	9/16/2018 17:20	3L	D	BE36	N23VS	NMS 1	78.7
Snyder	9/16/2018 20:25	9/16/2018 20:25	UNK	A	UNK	UNK	-	-
Snyder	9/16/2018 21:23	9/16/2018 21:23	3R	D	PC12	N401SM	NMS 1	80.3
Snyder	9/17/2018 7:14	9/17/2018 7:14	3R	D	BE40	N884HP	NMS 1	84.3
Snyder	9/17/2018 7:21	9/17/2018 7:22	3R	D	GLF3	N500GF	NMS 1	96.1
Snyder	9/17/2018 7:28	9/17/2018 7:28	UNK	D	UNK	UNK	NMS 1	67.1
Tyler	9/17/2018 10:22	9/17/2018 10:26	UNK	O	UNKN	N9693Y	-	-
Tyler	9/17/2018 10:34	9/17/2018 10:38	3R	D	UNK	UNK	NMS 1	78
Anonymous - Sch013	9/17/2018 12:56	9/17/2018 12:56	21L	D	BE36	N686AG	NMS 2	76.4
Snyder	9/17/2018 13:35	9/17/2018 13:35	UNK	A	UNK	UNK	NMS 1	70.1
Snyder	9/17/2018 15:01	9/17/2018 15:00	UNK	D	UNK	UNK	-	-
Snyder	9/17/2018 15:48	9/17/2018 15:47	21L	A	SR20	N119RP	-	-
Anonymous - Sch013	9/17/2018 17:24	9/17/2018 17:19	21L	D	C680	N1027P	NMS 3	73
Anonymous - Sch013	9/17/2018 17:32	9/17/2018 17:31	21R	D	SR20	N343BZ	-	-
Anonymous - Sch013	9/17/2018 19:41	9/17/2018 19:41	21R	D	GLSP	N678DS	NMS 2	69.7

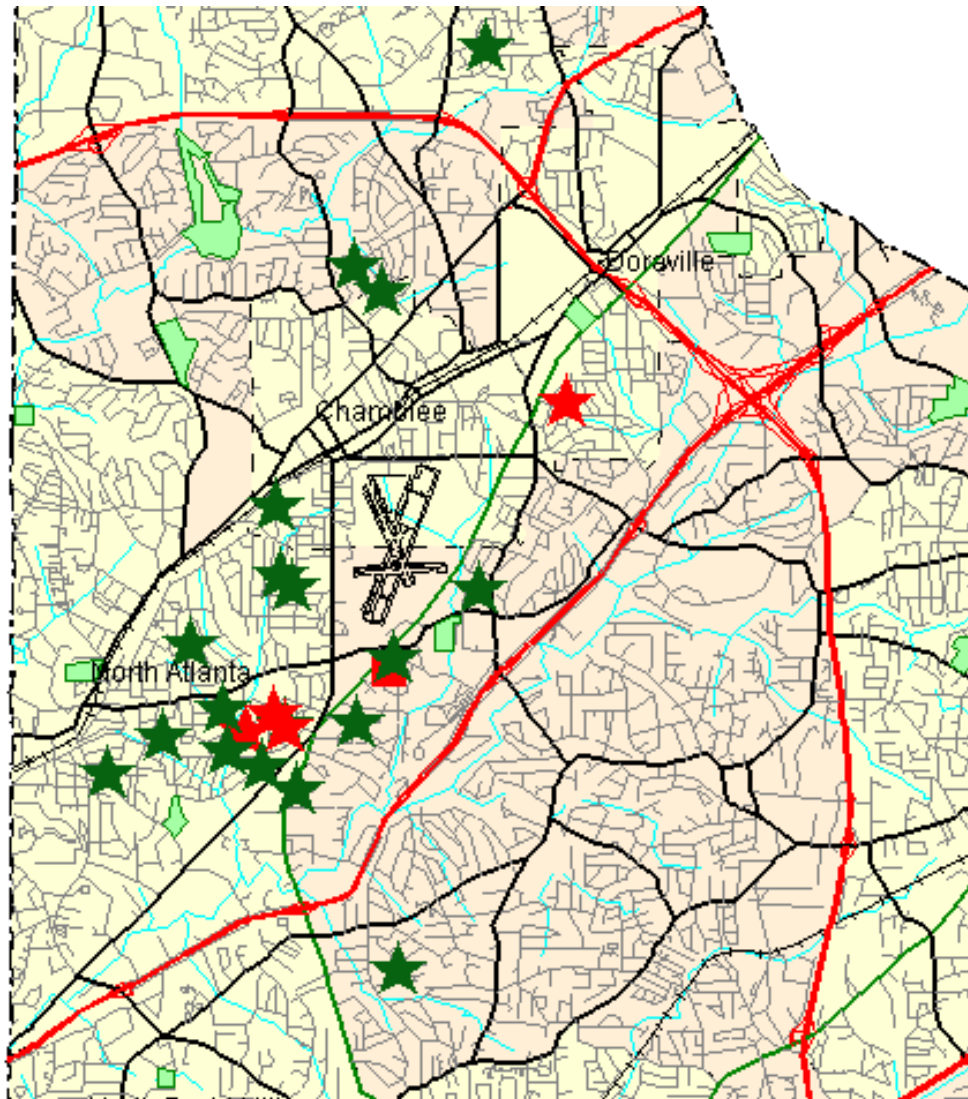
Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Anonymous - Sch013	9/17/2018 19:54	9/17/2018 19:54	21R	D	GLSP	N678DS	NMS 3	69.1
Anonymous - Sch013	9/17/2018 19:58	9/17/2018 19:58	21R	D	GLSP	N678DS	NMS 3	75.9
Anonymous - Sch013	9/17/2018 20:02	9/17/2018 20:03	21R	D	GLSP	N678DS	NMS 3	73.1
Anonymous - Sch013	9/17/2018 20:08	9/17/2018 20:05	UNK	D	PC12	N687QD	NMS 3	70.9
Anonymous - Sch013	9/17/2018 20:20	9/17/2018 20:17	21L	D	PC12	N567FH	NMS 2	72
Anonymous - Del003	9/17/2018 23:43	9/17/2018 23:43	UNK	D	B190	AMF706	NMS 3	73.1
Snyder	9/18/2018 17:50	9/18/2018 17:52	3R	D	UNK	UNK	NMS 1	79.4
Anonymous - Alo001	9/18/2018 23:37	9/18/2018 23:37	3R	A	C560	N508KD	NMS 3	66.5
Feldman	9/18/2018 23:53	9/18/2018 23:52	3R	A	AC50	N818TE	NMS 3	68.4
Feldman	9/18/2018 23:56	9/18/2018 23:55	3R	A	AC50	N818TE	NMS 3	68.4
Feldman	9/19/2018 0:01	9/19/2018 0:03	21L	A	PC12	N465PC	NMS 3	83.6
Feldman	9/19/2018 0:04	9/19/2018 0:03	21L	A	PC12	N465PC	NMS 3	83.6
Anonymous - Del003	9/19/2018 0:32	9/19/2018 0:32	21L	D	C208	N208LS	NMS 3	72.2
Snyder	9/19/2018 17:38	9/19/2018 17:38	3L	D	SR22	N122SN	NMS 1	78.8
Snyder	9/19/2018 18:35	9/19/2018 18:35	3R	D	C172	N704RB	NMS 1	67.2
Snyder	9/19/2018 19:08	9/19/2018 19:07	UNK	D	UNK	UNK	-	-
Snyder	9/19/2018 19:25	9/19/2018 19:25	3R	D	GLF3	N500GF	NMS 1	74.6
Snyder	9/19/2018 19:42	9/19/2018 19:41	3R	D	BE36	N686AG	NMS 1	86.2
Crecente	9/20/2018 23:59	9/20/2018 23:59	3L	A	UNK	UNK	-	-
Sanke	9/21/2018 14:39	9/21/2018 14:39	21L	A	GLF4	N505GF	NMS 3	85.9
Terry	9/22/2018 8:12	9/22/2018 8:11	21R	D	UNK	UNK	NMS 3	72.2
Terry	9/22/2018 8:18	9/22/2018 8:18	21R	D	C172	N314GT	NMS 3	70.5

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Anonymous - Sch013	9/22/2018 8:18	9/22/2018 8:17	21R	D	C172	N314GT	NMS 3	70.5
Terry	9/22/2018 8:22	9/22/2018 8:11	21R	D	C172	N314GT	NMS 3	70.4
Anonymous - Sch013	9/22/2018 8:27	9/22/2018 8:27	21R	D	C172	N314GT	NMS 3	68.7
Anonymous - Del003	9/22/2018 9:11	9/22/2018 9:10	21R	D	P28A	N140SB	-	-
Terry	9/22/2018 9:25	9/22/2018 9:26	21L	D	C172	N81771	NMS 3	72.9
Terry	9/22/2018 9:33	9/22/2018 9:36	21R	D	BE36	N2317V	NMS 3	71.5
Terry	9/22/2018 9:37	9/22/2018 9:36	21R	D	BE36	N2317V	NMS 3	71.5
Anonymous - Del003	9/22/2018 9:37	9/22/2018 9:36	21R	D	BE36	N2317V	NMS 3	71.5
Terry	9/22/2018 9:45	9/22/2018 9:41	21L	D	UNK	UNK	-	-
Terry	9/22/2018 10:19	9/22/2018 10:18	21L	D	BE33	N2032W	NMS 3	72.9
Snyder	9/22/2018 19:44	9/22/2018 19:42	3L	D	C172	N81771	NMS 1	71.2
Snyder	9/22/2018 19:46	9/22/2018 19:45	3R	D	SF50	N94AD	NMS 1	72.1
Palmer	9/23/2018 10:06	9/23/2018 10:03	3L	D	UNK	UNK	-	-
Anonymous - Del003	9/23/2018 22:20	9/23/2018 22:21	3L	A	HELO	N445CH	NMS 3	68.8
Chilivis	9/24/2018 2:57	9/24/2018 2:57	3R	A	C560	N508KD	-	-
Anonymous - Sch013	9/24/2018 8:18	9/24/2018 8:20	21R	D	SR20	N119RP	-	-
Snyder	9/24/2018 18:08	9/24/2018 18:08	21L	A	SR22	N822MS	NMS 1	75.5
Anonymous - Dun006	9/24/2018 19:12	9/24/2018 19:10	UNK	D	GLEK	N307KP	NMS 3	78.3
Hamilton	9/24/2018 20:06	9/24/2018 20:03	21L	A	BE35	N351RS	NMS 1	84.4
Hamilton	9/24/2018 22:36	9/24/2018 22:29	21L	A	PA32	N4883S	NMS 3	75
Anonymous - Del003	9/25/2018 13:17	9/25/2018 13:15	21L	D	BE40	N884HP	-	-
Anonymous - Sch013	9/25/2018 13:44	9/25/2018 13:45	21L	D	UNK	UNK	-	

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Anonymous - Sch013	9/25/2018 13:47	9/25/2018 13:47	21R	D	UNK	UNK	NMS 3	71.4
Anonymous - Sch013	9/25/2018 14:31	9/25/2018 14:30	21R	D	UNK	UNK	NMS 3	77.4
Anonymous - Del003	9/25/2018 14:32	9/25/2018 14:32	21R	D	C172	N314GT	NMS 3	71.6
Anonymous - Sch013	9/25/2018 14:38	9/25/2018 14:34	UNK	D	UNK	UNK	-	-
Anonymous - Del003	9/25/2018 15:33	9/25/2018 15:31	21R	D	PA44	N8322S	NMS 3	70.6
Anonymous - Del003	9/25/2018 15:46	9/25/2018 15:46	21L	D	BE58	N1566W	-	-
Schneeberg	9/25/2018 16:56	9/25/2018 16:56	UNK	A	HELO	N118AE	-	-
Schneeberg	9/25/2018 18:02	9/25/2018 18:00	21L	D	UNK	UNK	-	-
Doyle	9/25/2018 18:23	9/25/2018 18:22	UNK	D	SW4	AMF743	UNK	-
Anonymous - Del003	9/26/2018 12:18	9/26/2018 12:17	21L	D	UNK	UNK	NMS 3	76.3
Anonymous - Del003	9/26/2018 15:52	9/26/2018 15:53	UNK	A	UNK	UNK	-	-
Feldman	9/26/2018 23:53	9/26/2018 23:51	34	A	GL5T	HRT461	-	-
Anonymous - Sch013	9/27/2018 8:04	9/27/2018 8:04	21R	D	S22T	N828DZ	NMS 2	67.8
Anonymous - Sch013	9/27/2018 8:33	9/27/2018 8:33	21R	D	BE36	N900AW	NMS 3	68.4
Anonymous - Sch013	9/27/2018 8:37	9/27/2018 8:37	21R	D	PA28	N7664F	NMS 3	71.3
Anonymous - Del003	9/28/2018 10:28	9/28/2018 10:25	UNK	O	BE30	FLC72	-	-
Anonymous - Del003	9/28/2018 10:57	9/28/2018 10:52	21R	D	SR22	N531DT	NMS 3	68.6
Anonymous - Del003	9/28/2018 11:53	9/28/2018 11:52	21R	D	M20T	N872M	-	-
Anonymous - Del003	9/28/2018 12:27	9/28/2018 12:27	21L	D	C414	N114MH	NMS 3	70.7
Anonymous - Del003	9/28/2018 12:38	9/28/2018 12:34	21R	D	BE24	N18841	NMS 3	74.6
Anonymous - Del003	9/28/2018 13:43	9/28/2018 13:42	21L	D	BE36	N72WP	NMS 3	75.3
Anonymous - Del003	9/28/2018 13:58	9/28/2018 13:58	21R	D	SR22	N8144F	NMS 3	70

Name	Reported Offense Time	Correlated Flight Time Recorded	Rwy	Op Type	Aircraft Type	Flight ID	NMS	Lmax
Anonymous - Del003	9/28/2018 15:30	9/28/2018 15:29	21L	D	C56X	N818BL	NMS 3	74.6
Anonymous - Del003	9/28/2018 18:32	9/28/2018 18:18	21R	D	AA5	N28462	-	-
Anonymous - Del003	9/28/2018 23:39	9/28/2018 23:39	3L	A	HELO	N445CH	NMS 2	69.1
Anonymous - Del003	9/29/2018 8:12	9/29/2018 8:11	21L	D	PC12	N25W	NMS 2	68.5
Anonymous - Del003	9/29/2018 9:49	9/29/2018 9:49	21L	D	UNK	UNK	-	-
Anonymous - Del003	9/29/2018 10:00	9/29/2018 10:01	21L	D	UNK	UNK	-	-
Anonymous - Del003	9/29/2018 10:05	9/29/2018 10:01	21L	D	UNK	UNK	-	-
Snyder	9/29/2018 10:12	9/29/2018 10:12	21L	A	PA28	N6919J	NMS 3	70.1
Snyder	9/29/2018 10:21	9/29/2018 10:22	UNK	A	C172	N1006V	NMS 3	73.6
Snyder	9/29/2018 10:26	9/29/2018 10:26	21L	A	HELO	N29LT	NMS 3	70.1
Snyder	9/29/2018 10:30	9/29/2018 10:30	21L	A	UNK	UNK	NMS 3	75.4
Snyder	9/29/2018 10:34	9/29/2018 10:34	21L	A	UNK	UNK	NMS 3	75.6
Anonymous - Del003	9/29/2018 11:09	9/29/2018 11:10	UNK	D	C550	N797TE	NMS 3	73.9
Snyder	9/29/2018 12:32	9/29/2018 12:37	21L	A	C172	N203GT	NMS 3	80.9
Snyder	9/29/2018 12:57	9/29/2018 12:57	21R	A	BE36	N1072F	NMS 1	72.5
Snyder	9/29/2018 16:52	9/29/2018 16:52	21L	A	BE36	N8834M	-	-
Anonymous - Del003	9/29/2018 16:56	9/29/2018 16:57	UNK	D	UNKN	UNK	-	-
Terry	9/30/2018 10:57	9/30/2018 10:57	UNK	D	PA32	N19PE	NMS 3	72.6
Anonymous - Del003	9/30/2018 18:49	9/30/2018 18:49	21R	D	BE36	N4467A	NMS 3	69.2
Terry	9/30/2018 19:21	9/30/2018 19:22	UNK	D	PC12	N728MG	NMS 3	72.5

Disturbance Location Pin Map – September 2018



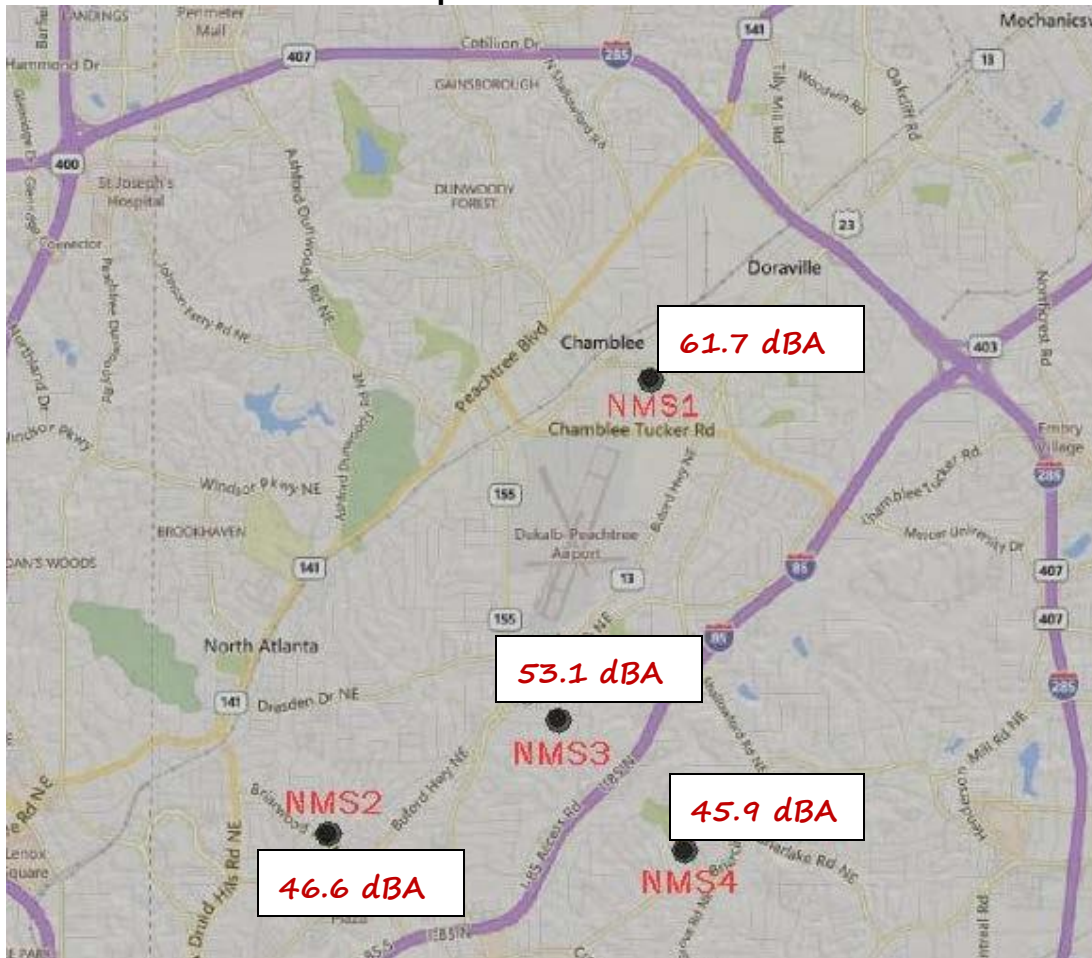
Legend:

-  1-3
-  4-7
-  8-199

22 Complainants with 172 Complaints Total

Monthly Noise Levels at Monitors

September 2018



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 **369 (97.9%)** of the **377** operations during the voluntary curfew period (11PM-6AM) during the month of **September 2018**. Of the **369** identified operations, **251 (68.02%)** were classified as **medical transport (e.g., MedEvac) or other critical flights**. These aircraft are identified in **red bold font** below.

- Out of the *identified* operations, **99 one-time** operations were conducted during this period.
- Out of the *identified* operations, **278 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:

145 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.

32 multi-use operators were identified as MedEvac and/or emergency flights.

Complaints received from operations conducted during the voluntary curfew period:

172 complaints were received during **September 2018**.

20 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 2018 N#'s (Multi-Use):

21 Aircraft with 2 Operations (CTE615, N6919J, **LBQ860**, **LBQ529**, N81771, **EMD28**, N906DK, **LBQ841**, N173VP, **LBQ999**, N6GD, N525LX, **OLV525**, N541PJ, **N900PS**, **N54AE**, HRT461, **N125LN**, N6868AG, **N269AE**, **USC26**)

4 Aircraft with 3 Operations (N585GE, N690XL, **LBQ870**, **OLV608**)

6 Aircraft with 4 Operations (**LBQ225**, **N508KD**, **AMF706**, N329GS, **LBQ875**, **N927AM**)

4 Aircraft with 5 Operations (CTE491, **LBQ783**, **LBQ865**, **LBQ206**)

3 Aircraft with 6 Operations (**LBQ782**, **N891AA**, **LBQ840**)

1 Aircraft with 7 Operations (**LBQ850**)

1 Aircraft with 17 Operations (**N445CH**)

2 Aircraft with 8 Operations (**N377P** & N832SS)

1 Aircraft with 31 Operations (**CTL67**)

1 Aircraft with 15 Operations (**LBQ825**)

2 Aircraft with 34 Operations (**N208LS** & **SKQ44**)

Last Month – August 2018 N#'s (Multi-Use):

32 Aircraft with 2 Operations (SFX1, GLT777, SDU363, VTE207, N680TC, **BKA724**, **CTL372**, N8116N, EJA300, N6818A, N621MM, N220GS, N620S, C-GOSO, N60PC, N3052D, N592MG, N2QU, GAJ885, N501RG, N75WH, N314GT, N150GA, N310LC, **N423AE**, N2194K, **N684AE**, **N54AE**, N349SB, **N543PB**, N825TX, **AMF708**)

3 Aircraft with 3 Operations (**N900PS**, **N296AE**, N585GE)

2 Aircraft with 4 Operations (**N384CF** & **N895CR**)

1 Aircraft with 5 Operations (**OLV252**)

1 Aircraft with 7 Operations (N103AV)

1 Aircraft with 18 Operations (**N445CH**)

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

1 Aircraft with 42 Operations (**N208LS**)

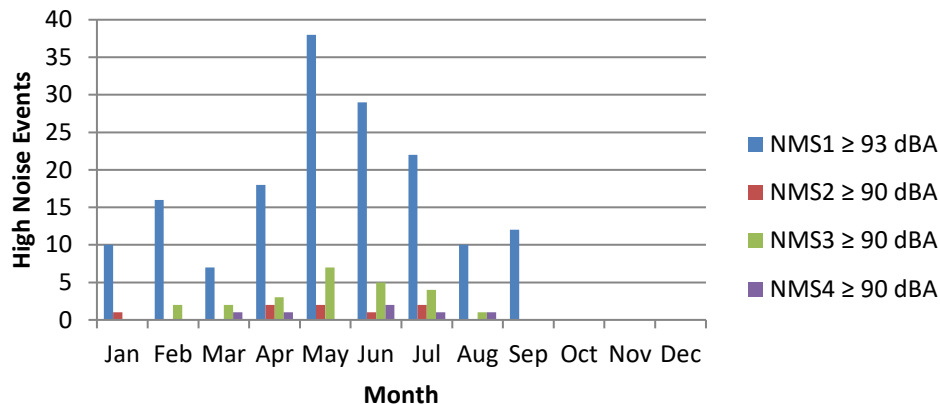
1 Aircraft with 44 Operations (**SKQ44**)

A total of 93 advisory letters were sent to aircraft operators flying during the voluntary curfew period in the month of September who were not identified as MedEvac 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 16 advisory letters were sent this month for aircraft identified as exceeding PDK's high noise event threshold.

High Noise Events 2018



September 2018

8 Aircraft with 1 High Noise Event (N470FJ, N188FJ, N4939C, N99VS, N330WR, N840DP, N5UU, N500GF)

1 Aircraft with 2 High Noise Events (N686AG)

2 Unknown Aircraft

August 2018

11 Aircraft with 1 High Noise Event (EJA310, N523AM, TTX7391, N939RT, N88RJ, N800EM, N470FJ, N335PR, TMC450, N1920, N210MB)

1 Unknown Aircraft

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.



Follow us on Facebook at **PDK - DeKalb-Peachtree Airport**.