

An aerial photograph of an airport and its surrounding area. The airport features a long runway, taxiway, and several hangars. The surrounding area includes residential neighborhoods with houses and trees, as well as commercial buildings and parking lots. The text is overlaid on the top half of the image.

Annual Noise and Operations Report 2021

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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.

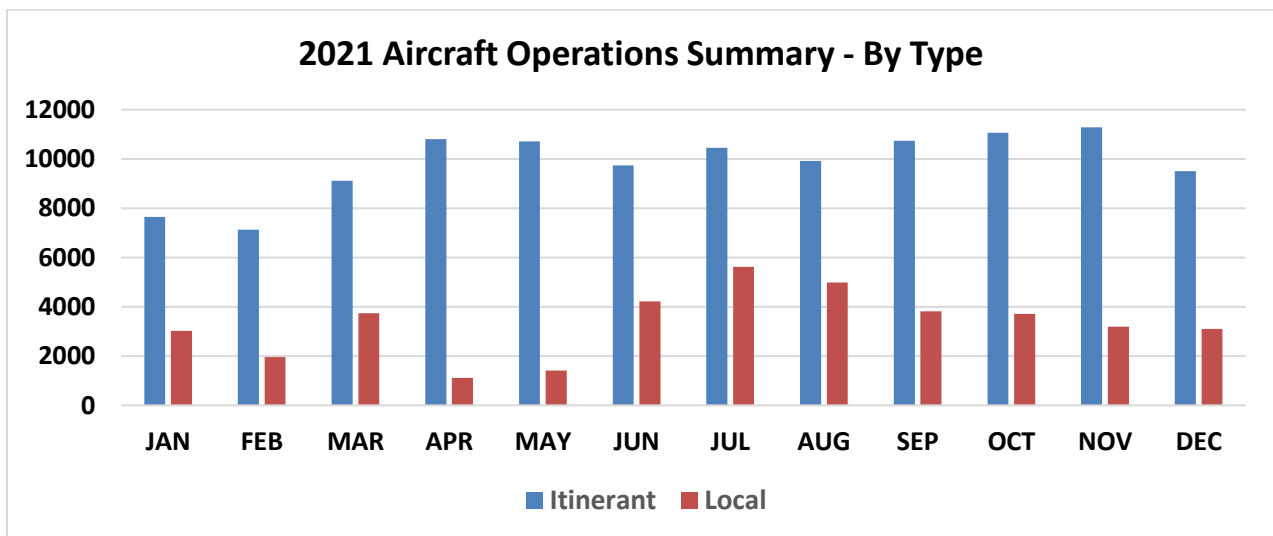
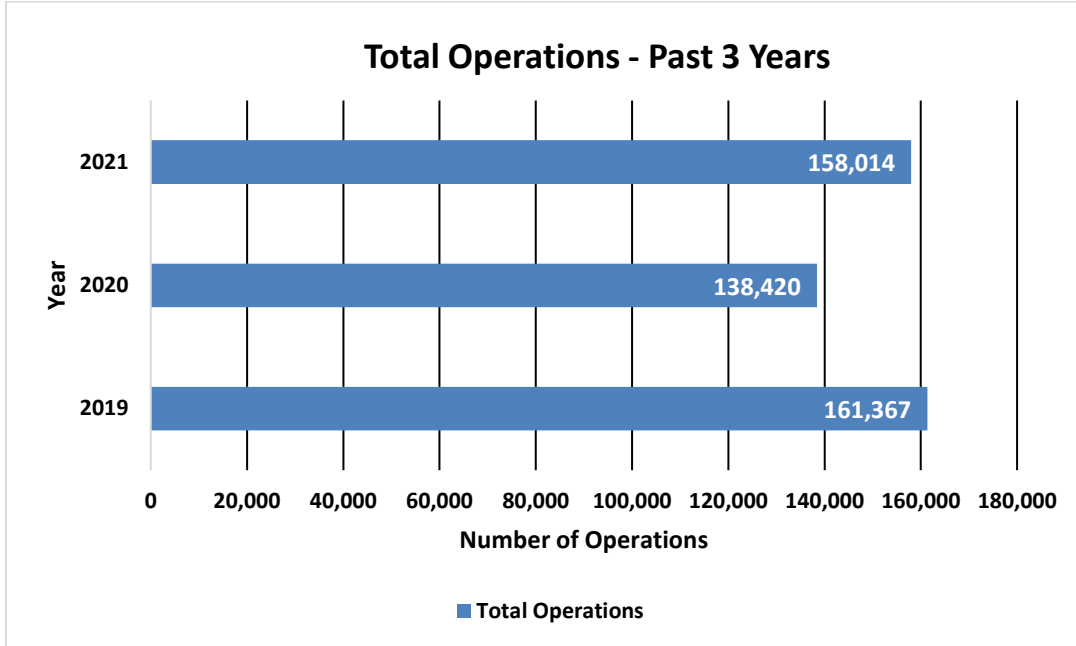
2021 Aircraft Operations:

	This Year	Last Year	% Change from 2019	5-Year Average
Total Operations	158,014	138,420	14.16%	153,587
Itinerant	118,117	96,866	21.94%	112,013
Local	39,987	41,554	-3.77%	41,486
Voluntary Curfew Ops	4,624	4,076	13.44%	4,088
Prior Authorization	1,747	(96) Noise disturbance calls associated with these flights. (68) 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.

2021 Aircraft Operations Summary

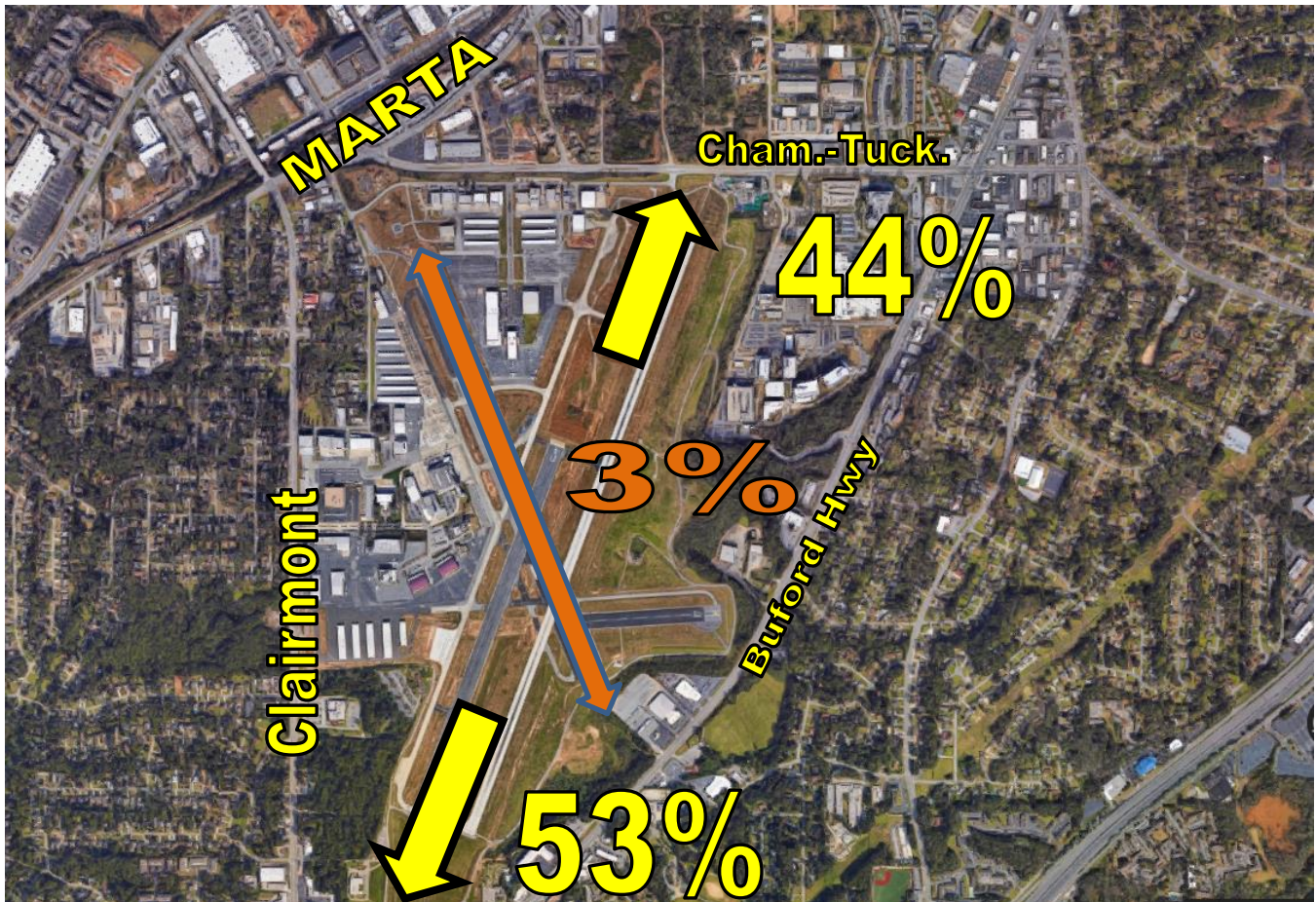


2020 Total Operations	2021 Total Operations	Change from 2020 to 2021
138,420	158,014	14.16%

2021 Operations by Month				
	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
JAN	7,643	3,029	10,672	262
FEB	7,134	1,958	9,092	313
MAR	9,109	3,744	12,853	360
APR	10,803	1,115	11,918	413
MAY	10,710	1,410	12,120	460
JUN	9,740	4,219	13,959	442
JUL	10,456	5,616	16,072	436
AUG	9,922	4,989	14,911	420
SEP	10,740	3,818	14,558	413
OCT	11,062	3,356	14,770	355
NOV	14,478	3,191	11,287	409
DEC	12,611	3,100	9,511	341

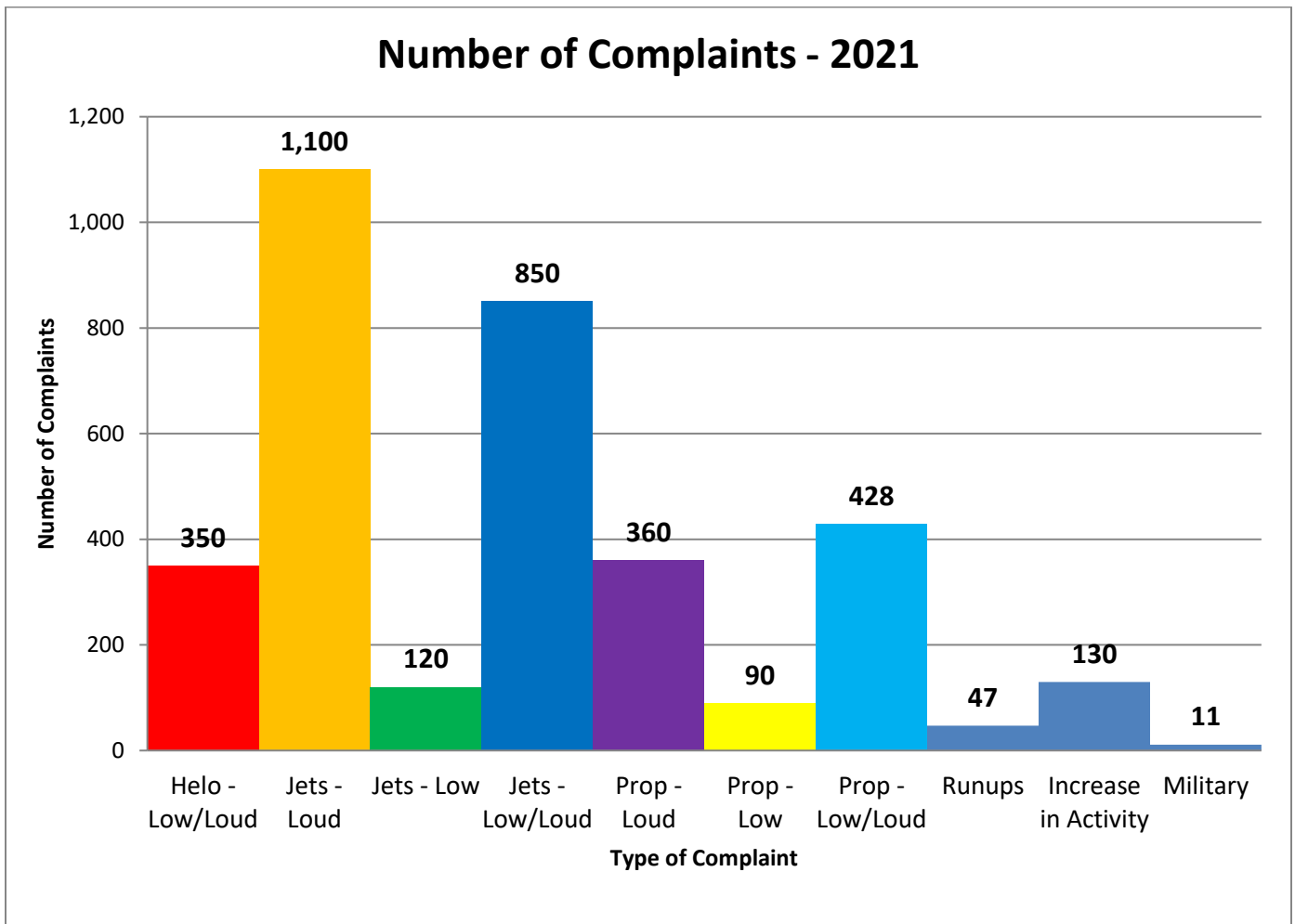
Runway Mode of Operations – 2021

Directional use of runways has a major effect on flight patterns and the areas affected by flight operations. Weather and wind direction generally determines runway selection. When the tower is open, the FAA Air Traffic Control Tower determines the directional use of the runways. When possible, the tower will try to keep operations on a northbound flow (takeoffs and landings to the north) for noise abatement.

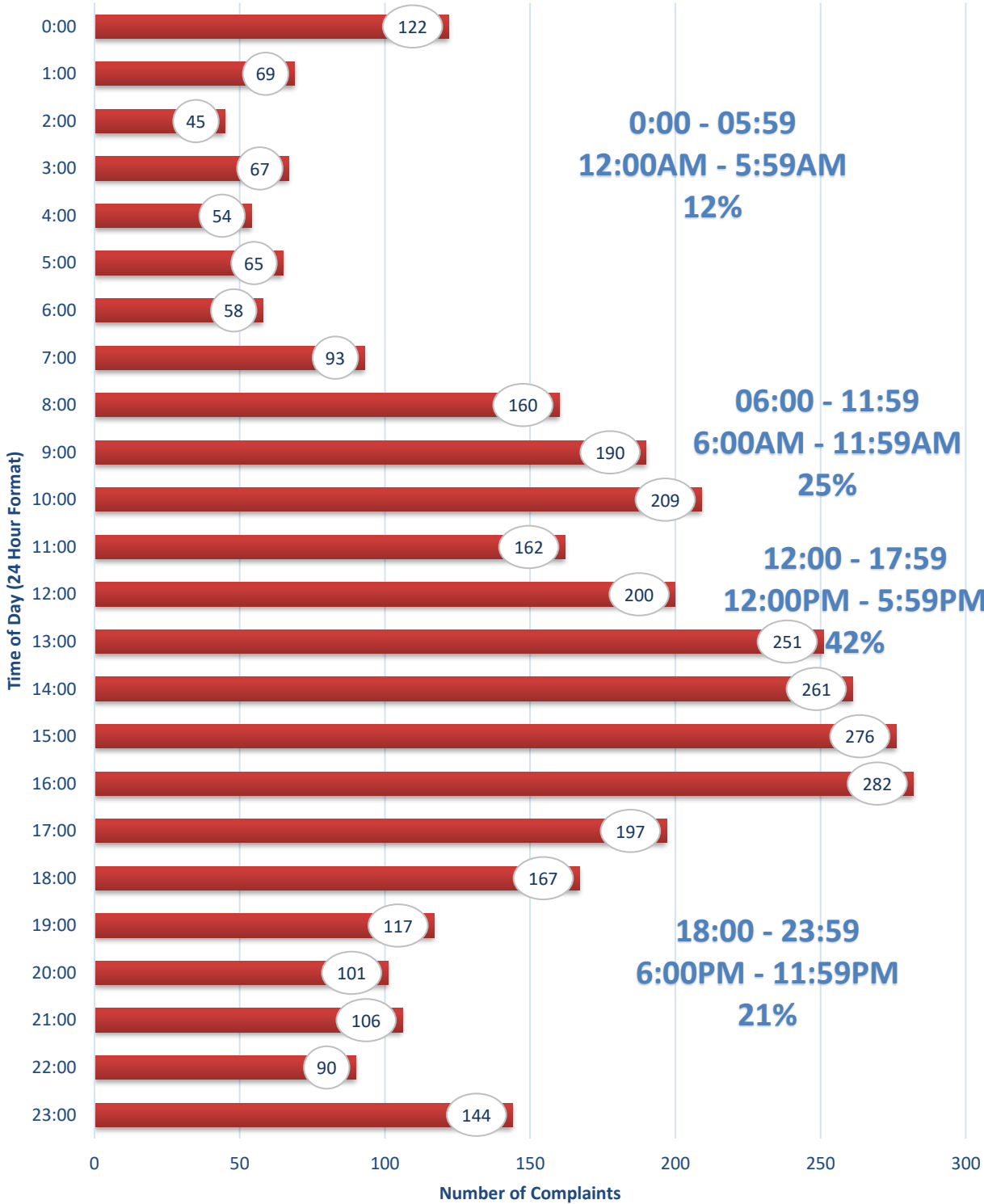


Noise Disturbance Summary

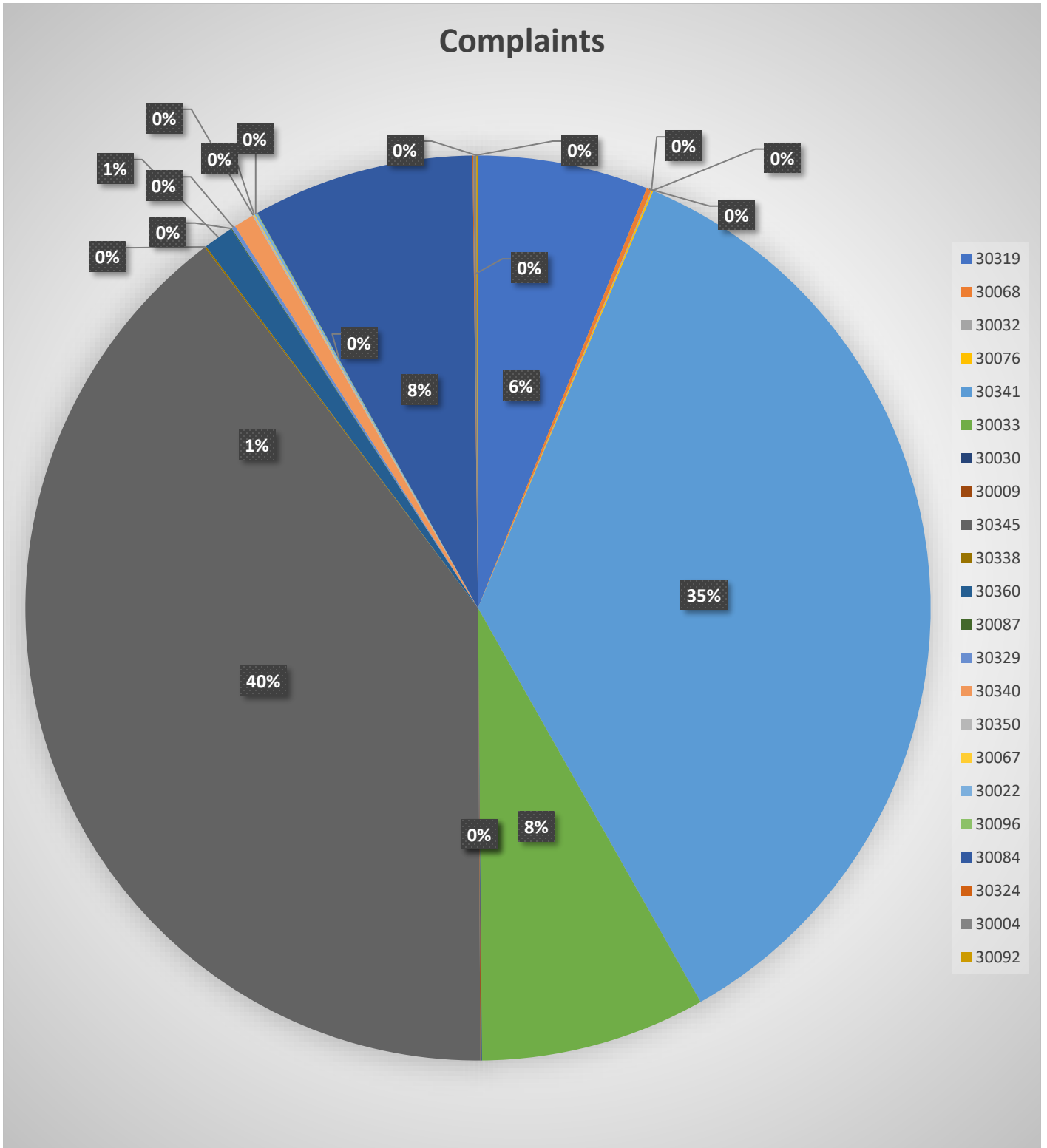
Total complaints for 2021	Monthly Complaint Average 2021	2021 Complaints per Household <i>(minus top two/Households)</i>	2021 Complaints per Household <i>All Inclusive</i>
3,486	290	20.8	28.1



Number of Complaints by Hour - 2021



Complaints by Zip Code



Zip Code Guide		
Zip Code	Community	% of Complaints
30341	Brookhaven	35%
30319	Chamblee - North	6%
30345	Chamblee – South	40%
30360	Doraville	1%
30329	North Druid Hills	<0.1%
30338	Dunwoody	<0.1%
30340	Tucker	<0.1%
30068	Marietta	<0.1%
30022	Johns Creek	<0.1%
30032	Belvedere Park	<0.1%
30033	North Druid Hills	8%
30350	Sandy Springs	<0.1%
30076	Roswell	<0.1%
30092	Peachtree Corners	<0.1%
30030	Decatur	<0.1%
30324	Atlanta	<0.1%
30009	Alpharetta	<0.1%
30087	Stone Mountain	<0.1%
30067	Marietta	<0.1%
30096	Duluth	<0.1%
30084	Tucker	8%
30004	Alpharetta	<0.1%

Complaints by Caller

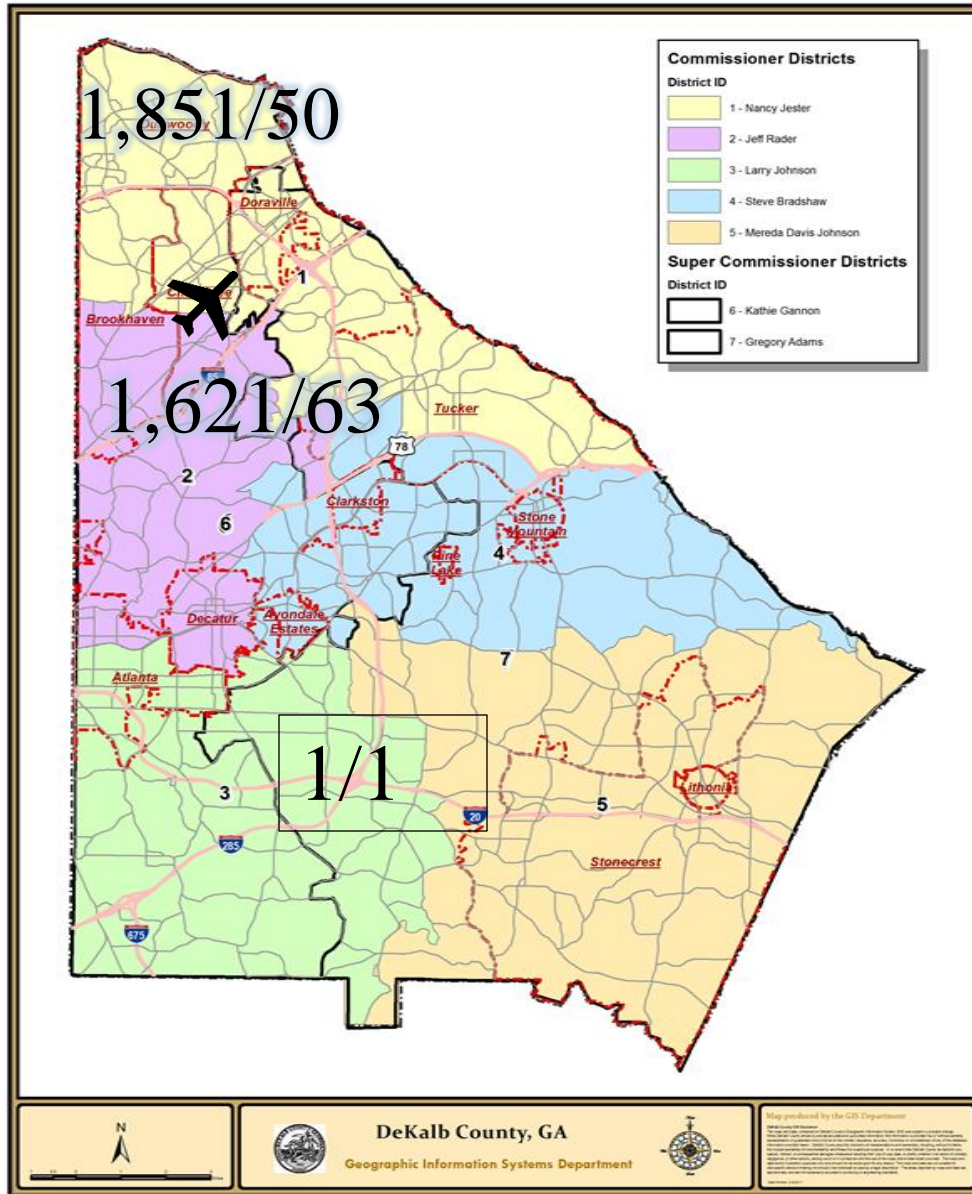
<i>Name</i>	<i>Address</i>	<i>City</i>	<i>Zip Code</i>	<i>ItemCount</i>
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	125
West	2441 Nancy Ln NE	Atlanta	30345	1
Sims	1591 Harts Mill Rd NE	Atlanta	30319	1
Mumphrey	2628 Northeast Expy NE	Atlanta	30345	2
Stamm	1824 Falling Sky Ct NE	Brookhaven	30319	1
Barcelona Jr	3420 Merganser Ln	Alpharetta	30022	1
Figueroa	2718 Eaton Pl	Atlanta	30341	6
Lynch	2430 Circlewood Rd NE	Atlanta	30345	1
Hynes	2276 Tanglewood Cir NE	Atlanta	30345	1
Leung	3067 Stratford Arms Dr	Atlanta	30341	1
Harris	3037 Kammeyer Ln	Atlanta	30341	1
Myers	2860 Talisman Ct NE	Atlanta	30345	3
Nelson	2970 Marlin Cir	Atlanta	30341	2
Stewart	4026 Clairmont Rd	Atlanta	30341	1
Marsh	3743 Loveland Ter	Atlanta	30341	1
Johnson	1381 Brookhaven Village Cir NE	Brookhaven	30319	2
Busch	117 Shadowmoor Dr	Decatur	30030	1
Smith	3404 Rose Rdg	Atlanta	30340	1
Heckman	2818 Parkridge Dr NE	Brookhaven	30319	5
Sheppard	2855 Arrow Creek Dr	Atlanta	30341	5
Robson	2199 Fisher Trl NE	Atlanta	30345	1
Doyle	2541 Dering Pl NE	Atlanta	30345	2
Ledford	3811 Harts Mill Ln	Atlanta	30319	44
Gokce	1955 Fairway Cir NE	Brookhaven	30319	3
Jung	4356 White Spruce Aly	Atlanta	30360	1
Jones	410 Longs Peak Dr	Atlanta	30004	3
Maddox	3093 Janice Cir	Atlanta	30341	2
Poole	2605 N Berkeley Lake Rd NW	Duluth	30096	1
Anon-1	LaVenture Forest	Atlanta	30341	127
Phelps	2513 Thompson Rd NE	Brookhaven	30319	1
Surmay	1518 Sagamore Dr NE	Atlanta	30345	1
Johnson	5200 Peachtree Rd	Atlanta	30341	125
Johnson	3751 Harts Mill Ct	Atlanta	30341	1
Herd	2687 Briarlake Woods Way NE	ATLANTA	30345	2
Floyd	3622 Carmel Rd	Atlanta	30341	5
Toombs	2463 Briarmoor Rd NE	Atlanta	30345	2

Grotell	3145 Thrasher Cir	Decatur	30032	1
Ruark	2013 Clairmont Terrace	Atlanta	30341	2
Hummel	2854 Greenbrook Way NE	Atlanta	30345	319
LaFever	4375 Burgess Hill Ln	Alpharetta	30022	1
Durden	2500 Emerald Ridge Ct NE	Atlanta	30345	47
Coffman	2722 Foster Ridge Rd NE	Atlanta	30345	2
Jager	205 Cliff Overlook	Atlanta	30350	2
Paris	2162 Greencrest Dr NE	Atlanta	30345	1
Cox	1496 N Crossing Cir NE	Atlanta	30329	1
Beverage	1598 Alderbrook Rd	Atlanta	30345	1
Wheeler	2450 Ellijay Dr NE	Brookhaven	30319	1
Hester	2098 Clairmont Ter NE	Atlanta	30345	9
Menand	4248 Browning Chase Dr	Tucker	30084	285
Terry	1533 Tryon Rd NE	Atlanta	30319	1
Hunnicut	2132 Meadowcliff Dr NE	Atlanta	30345	1
Barnard	2502 Flair Knoll Ct NE	Atlanta	30345	8
Chidiac	1208 Pelly Cir NE	Atlanta	30319	3
Brooks	3801 Briarcliff Rd NE	Atlanta	30345	1
Vincent	2409 Rhineland Ct NE	Atlanta	30345	2
Friedman	1353 Brookhaven Village Cir NE	Atlanta	30319	10
Jones	5807 Stonehaven Dr	Stone Mountain	30087	1
Moss	2360 Drew Valley Rd NE	Atlanta	30319	1
Moots	4340 Hammerstone Ct	Peachtree Corners	30092	2
Anon-1	LaVenture Forest	Atlanta	30341	496
Dutro	1641 Council Bluff Dr NE	Atlanta	30345	266
Mackey	1393 Noel Dr NE	Brookhaven	30319	3
Kordys	335 Martins Trl	Roswell	30076	1
Nagel	3905 Winters Hill Dr	Atlanta	30360	35
Lowndes	2416 Dunwoody Hollow Dr	Atlanta	30360	1
Englisbe	4306 Jefferson Cir S	Atlanta	30341	2
Ortiz	1832 Georgiana Dr NE	Atlanta	30329	2
Spatafora	5009 Lakeside Dr	Atlanta	30360	2
Needle	2586 Warwick Cir NE	Atlanta	30345	2
Evans	2592 Woodacres Rd NE	Atlanta	30345	1
Welch	2019 Clairmont Ter NE	Atlanta	30345	4
Cloward	2970 Hilltop Dr	Atlanta	30341	7
Kerns	2686 Cove Cir NE	Brookhaven	30319	1
coulombe	3912 Longview Dr	Atlanta	30341	2
Patel	5836 Poppy Tree Holw	Tucker	30084	1
Farinola	2361 Burch Cir NE	Brookhaven	30319	1

Bohorquez	2175 Clairmont Ter NE	Atlanta	30345	7
Abrams	2148 Plantation Ln	Atlanta	30341	36
Loria	3607 London Rd	Atlanta	30341	2
Lennon	1802 Tobey Road	Atlanta	30341	7
Yates	1895 9th St	Atlanta	30341	63
Penn	3039 Skyland Dr NE	Chamblee	30341	12
Shaffer	3460 Havalyn Ln	Atlanta	30340	2
Jones	410 Longs Peak Dr	Alpharetta	30022	1
Hebert	2571 Winding Ln NE	Brookhaven	30319	2
Mosler	1918 Gregory Run NE	Atlanta	30345	75
Maki	2445 Flair Knoll Dr NE	Atlanta	30345	1
Gokce	1955 Fairway Circle NE	Atlanta	30319	2
O'Sullivan	2066 Beaver Rd NE	Atlanta	30345	1
Korjenic	2482 Woodside Way	Atlanta	30341	2
Mercante	2145 Heritage Dr NE	Atlanta	30345	123
Bailie	1799 Tobey Rd	Chamblee	30341	283
Fox	2423 Woodacres Rd NE	Atlanta	30345	170
Douglas	2427 Coosawattee Dr NE	Atlanta	30319	9
Elwell	1513 Laurel Park Cir	Atlanta	30329	1
Hewson	2843 Evans Dale Cir	Atlanta	30340	4
Yergo	5423 Wilder Dr	Douglasville	30135	1
Patsios	2381 Drew Valley Rd NE	Brookhaven	30319	1
Rogers	2653 Warwick Cir NE	Atlanta	30345	22
Rohr	2115 Clairmont Terrace	Atlanta	30345	1
McSwanson	3789 Donaldson Dr	Atlanta	30341	5
Pool	3539 Cold Spring Ln	Atlanta	30341	1
Ford	2446 Gatebury Cir	Atlanta	30341	1
Black	2450 Wentworth Dr NE	Atlanta	30345	2
Snyder	3439 Allison Dr	Doraville	30340	19
Crosson	410 Jon Scott Dr	Alpharetta	30009	1
Copilevitz	1974 Ellwyn Dr	Atlanta	30341	4
Riley	2548 Dering Ct NE	ATLANTA	30345	1
Nichols	4500 Orleans Ct	Dunwoody	30338	2
Philips	2442 Wentworth Dr NE	Atlanta	30345	7
Bowen	2476 Elizabeth Ann Ln NE	Atlanta	30324	1
Zellner	2206 Capehart Cir NE	Atlanta	30345	1
Hong	2654 Warwick Cir NE	Atlanta	30345	1
Hill	2014 Dering Cir NE	Atlanta	30345	305
Coggia	1753 Wayland Cir NE	Brookhaven	30319	1
Ryan	2190 Spring Creek Rd	Decatur	30033	280
Runk	2470 Woodside Way	Atlanta	30341	2

Bozza	2735 Briarlake Woods Way NE	Atlanta	30345	3
Marshall	2559 Woodacres Rd NE	Atlanta	30345	1
Bolte	3552 Hildon Cir	Atlanta	30341	2
Moore	1464 Stratfield Cir NE	Brookhaven	30319	1
Griner	3216 Clairwood Ter	Atlanta	30341	2
Turner	1885 8th St	Atlanta	30341	1
Weakley	2985 Hilltop Dr	Atlanta	30341	1
Lien	1936 Forest Green Dr NE	Atlanta	30329	1

Complaints per Commission District



Total Number of Complaints
Total Number of Complainants

3,486/
114

There were 10 complainant(s) outside of DeKalb County with 13 complaint(s) total.

Correlation Chart of Noise Complaints to Operations

The airport correlated **3,418 (96.5%)** out of **3,486** complaints:

- **3,246 or 93.1%** of the noise complaints were found to be **Direct** correlations
- **172 or 4.9 %** were **Indirect** correlations to operations
- **68 or 2.0%** 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

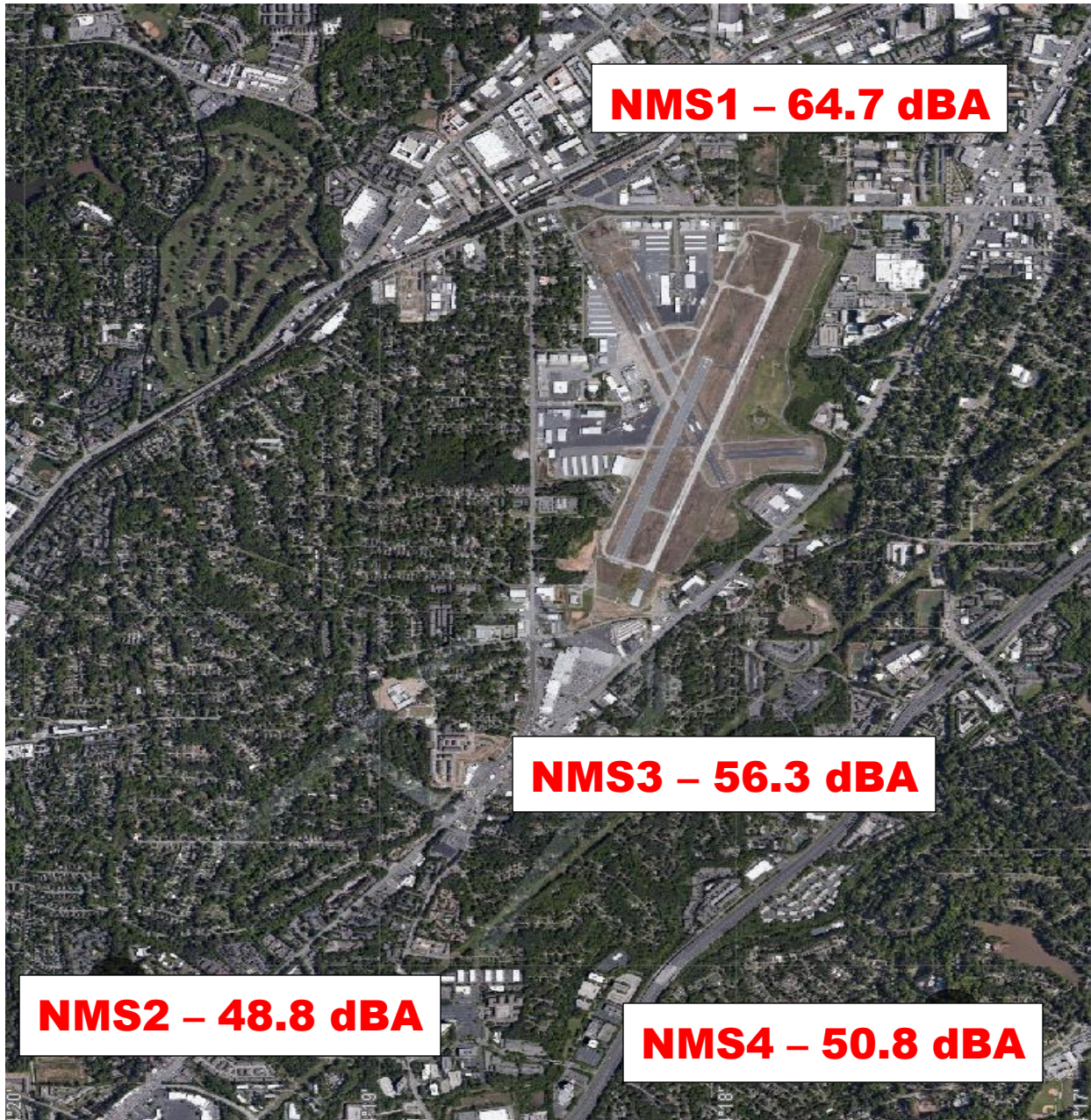
Rwy: Runway

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

2021 Noise Levels at Monitors



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 **4,608 (99.6%)** of the **4,624** operations during the voluntary curfew period (11PM-6AM) during **2021**. Of the **4,608** identified operations, **2,510 (54.5%)** were classified as **medical transport (e.g., Med-Evac) or other critical flights**.

- Out of the *identified* operations, **599 one-time** operations were conducted during this period.
- Out of the *identified* operations, **4,009 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:

1,083 operators were identified using the airport during the voluntary curfew period (does not include unknown aircraft).

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

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

Complaints received from operations conducted during the voluntary curfew period:

3,486 complaints were received during **2021**.

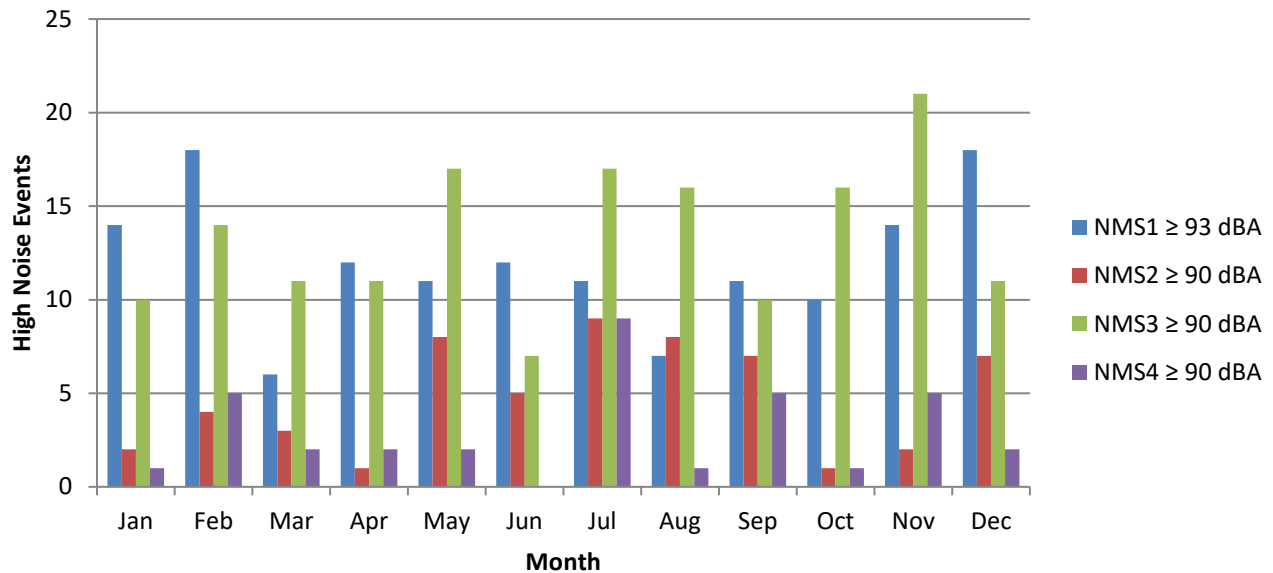
566 complaints were received for operations conducted during the voluntary curfew period (**including** those complaints that were found to be non-correlated or indirect).

A total of **2,098** advisory letters were sent to aircraft operators flying during the voluntary curfew period in **2021** 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 **96 dBA Lmax** or greater. All other monitors, NMS2, 3, & 4 are located in residential areas and are set at **87 dBA Lmax** or greater. A Total of **397** noise events occurs in 2021; with this **357** advisory letters were sent out for aircraft identified as Exceeding PDK's high noise event threshold.

High Noise Events 2021



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.