



MONTHLY NOISE REPORT

DeKalb-Peachtree Airport

June 2016

PREPARED BY:
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Assistant Airport Director

Date: Monday, July 11, 2016

Director's Executive Summary

The DeKalb-Peachtree Airport (PDK) is located in an aircraft noise highly sensitive area surrounded by residential communities. Aircraft noise is noise pollution produced by any aircraft or its components, during various phases of a flight; on the ground while parked such as auxiliary power units; while taxiing; or on run-up from propeller and jet-take-offs. This also can occur underneath and lateral to departure and arrival paths; over-flying while en route; or during landing.

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 bring awareness and develop airport / community partnerships in the surrounding cities of Chamblee, Doraville, Dunwoody, Brookhaven, North Atlanta (including the Buckhead community), and others. The program is a multi-faceted 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 in reaching and maintaining this goal. Participation, gaining knowledge, and cooperation are the keys to its success.

The purpose of this report is to provide a monthly summary to the airport community and interested persons surrounding, but not limited to: airport operations; noise disturbances, status updates on follow-up letters distributed; and list the overall comments for the month.

Aircraft Operations Summary

	This Month	This Month, Last Year	5-Year Average for Month
Total Operations	13,702	13,023	13,318
Itinerant	10,078	9,834	8,095
Local	3,624	3,189	3,679
Voluntary Curfew Ops	321	312	300
Prior Authorization (75,000 Pounds)	32	3 noise disturbance calls were associated with these flights. 0 voluntary curfew ops were associated with these flights.	

Prior Authorization

(Section 6-93 County Code)

Operation

Itinerant

Local

^^Voluntary Curfew Ops

Aircraft certified by the FAA with a max gross take-off weight greater than

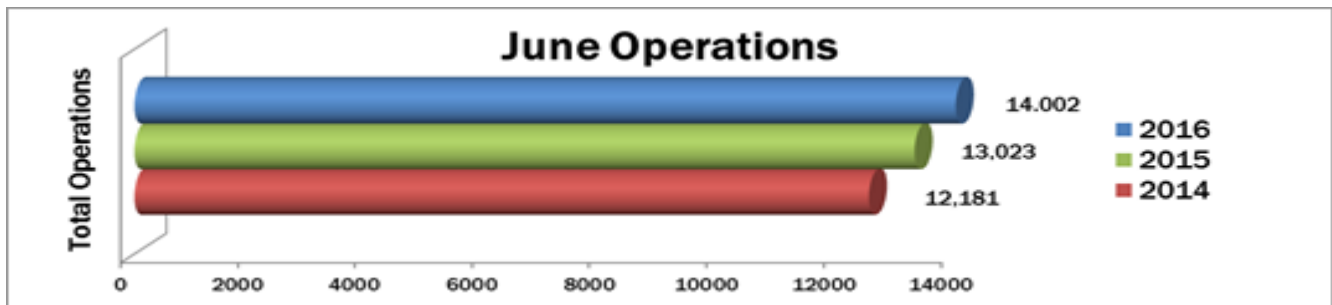
75,000 pounds

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

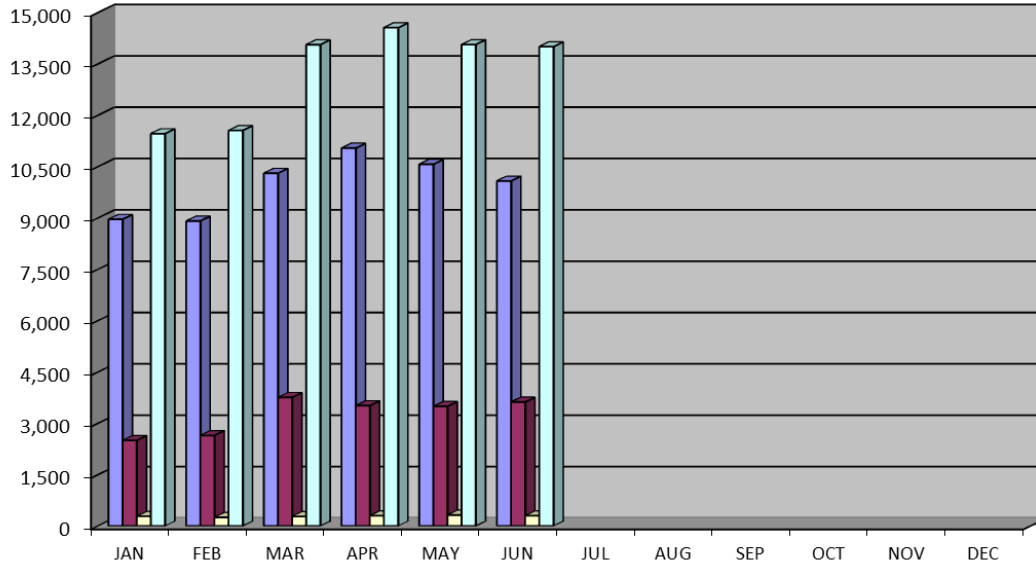
Non-touch-and-go (regular operations)

Operations within 20 miles of Airport

Operations that occur during the hours of (11:00 p.m. and 6:00 a.m.)



2016 Aircraft Operations Summary - By Type



2015 Total Operations: **138,251**

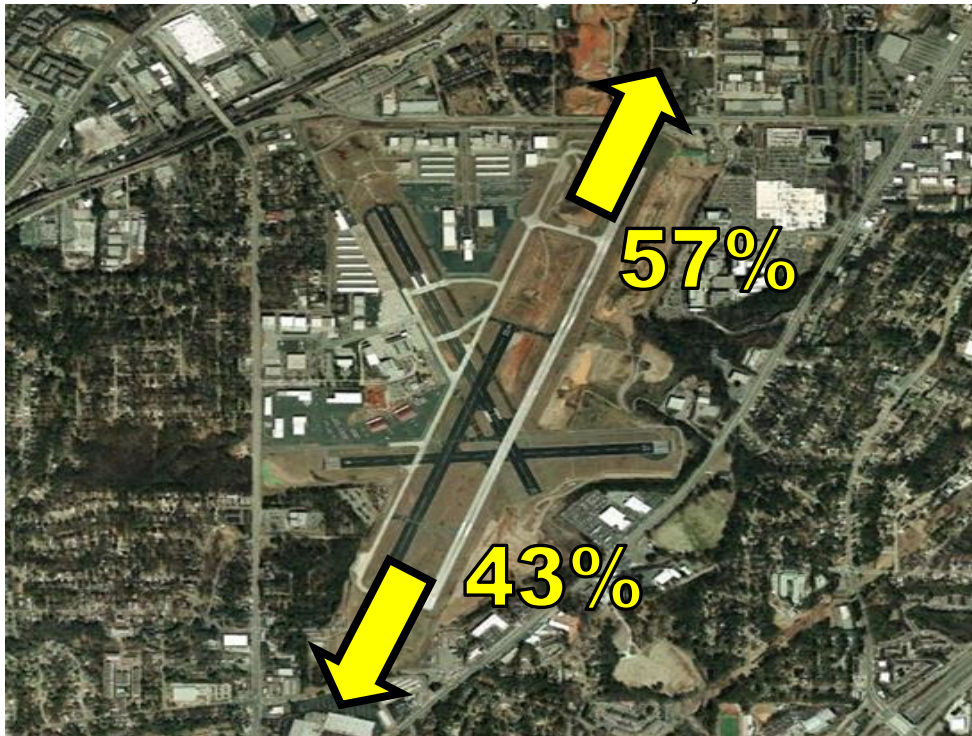
Total 2015 Ops as of June: **54,262**

Total 2016 Ops as of June: **79,699**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Itinerant	8,960	8,910	10,304	11,041	10,568	10,078						
Local	2,500	2,645	3,757	3,517	3,495	3,624						
Voluntary Curfew	284	253	280	300	321	300						
Total Operations	11,460	11,555	14,061	14,558	14,063	14,002						

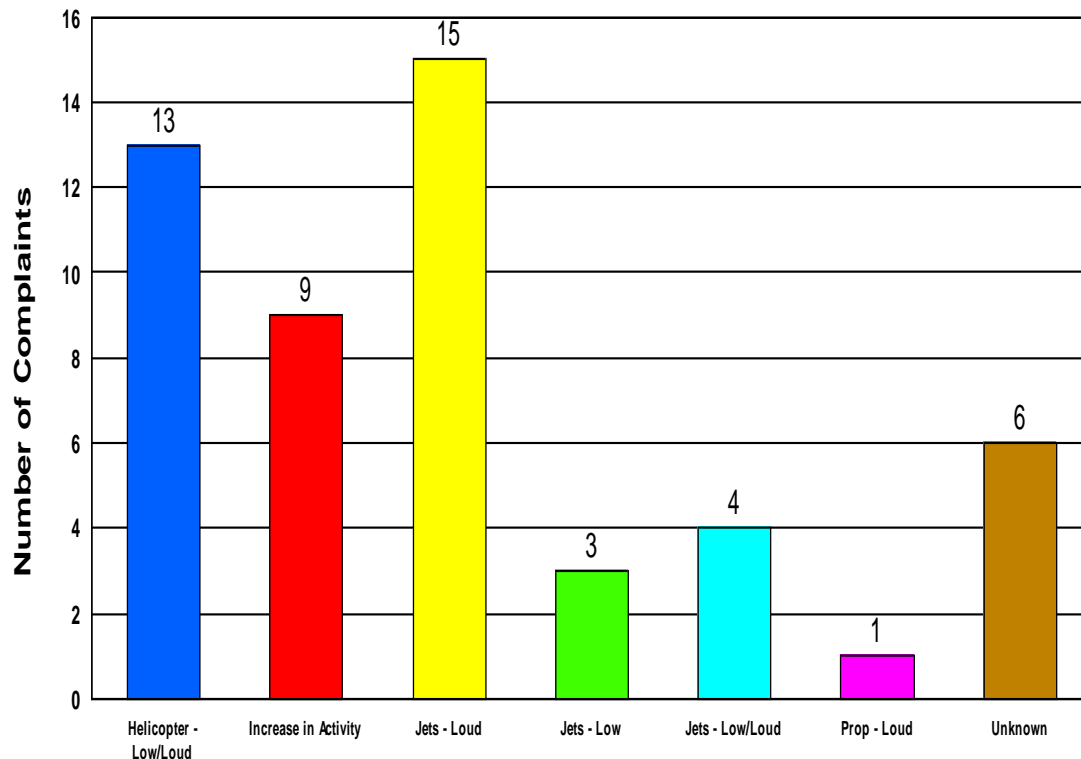
Runway Mode of Operations

Directional use of runways has a major effect on flight patterns and the areas affected by these flight operations. Weather and wind direction generally determines runway selection. When the tower is open the FAA Air Traffic Control Tower determines directional use of runways.



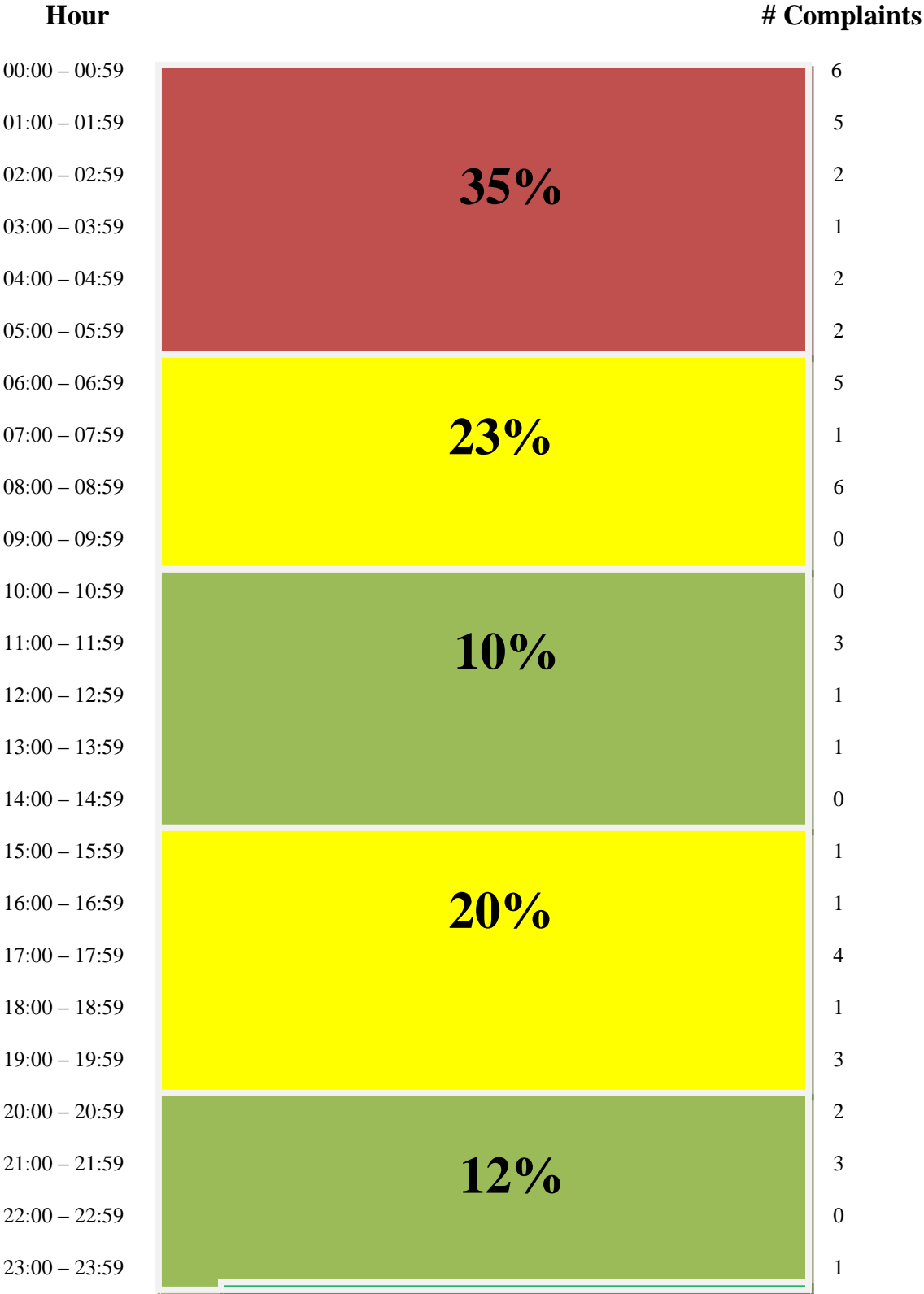
Noise Disturbance Summary

Total complaints for the month	Monthly Complaint Average 2016	Reports per Household <i>(minus top two/Households)</i>	Reports per Household <i>All Inclusive</i>
51	79	1.2	2.1



PDK maintains a hotline that permits residents to report usually, loud aircraft over-flights by dialing: (770) 936-5442 or by e-mail: pdnoise@dekalbcountyga.gov. For more information on the PDK Good Neighbor Program, Marshall J. Taggart, Jr., C.M., Assistant Airport Director.

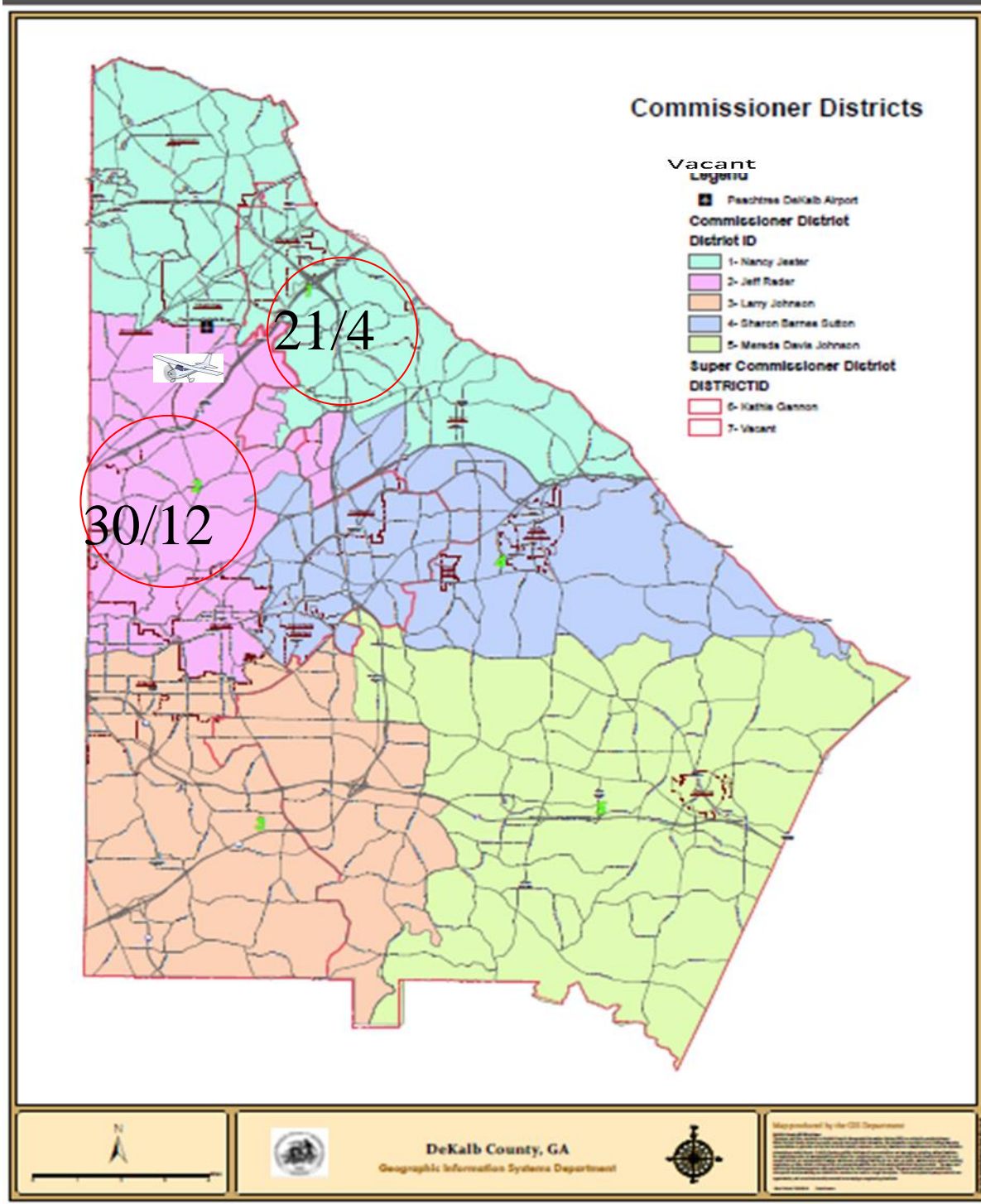
Complaints by Hour



Complainants

Brownman, Ann	4167 Binkburn Circle, Atlanta	1	30319
Feldman, Bryan	2376 Arrow Cir, Atlanta 30341	24	30341
Schneeberg, Gary	2707 Ashford Rd, NE, Atlanta	6	30319
Winer, Howard	2404 Stonington Rd, Dunwoody	1	30338
Brooks, John	2743 Redding Road NE, Atlanta	1	30319
Erweks, John	2743 Redding Road, Atlanta	1	30319
Gokce, Kim	1955 Fairway Circle NE, Atlanta	1	30319
Terry, Lonnie	1533 Trian Raod, Atlanta	3	30319
Floyd, Mary	3622 Carmel Rd, Chamblee	1	30341
Rashidinia, Parsa	2454 Dresden Parc Circle, NE. Atlanta	1	30345
Bullard, Rodney	2710 Fair Oaks Road, Decatur	1	30033
Cope, Terry	3886 Winters Hill Drive, Atlanta	1	30360
Houlihan, Thomas	1595 East Nancy Creek Drive, Atlanta	1	30319
Fivus, Todd	2743 Redding Road, Atlanta	2	30319
Renfro, Tony	UNKNOWN,	3	NA
C., Lauryn	UNKNOWN,	3	NA
Number of Complaints:		51	
Number of Complainants:		16	

Complaints per District



51 Total Number of complaints / 16 Total Number of complainants

Two Unknown Complainant Addresses with One (1) Complaint each

Correlation of noise complaints to operations (NOMS)

Name	Offense Start	Flight Time	Rwy	Op	Equip	Flight ID	NMS	Lmax
Feldman	06-01-2016 02:55	06-01-2016 02:57:22	UNK	A	BE40	N371CF	NMS2	68.7
Feldman	06-01-2016 03:08	06-01-2016 03:08:51	UNK	D	LJ35	N42HN	NMS3	70.1
Feldman	06-01-2016 03:40	06-01-2016 03:54:19	21L	D	BE40	N371CF	NMS3	66.1
Feldman	06-01-2016 12:12	06-01-2016 11:59:13	21R	D	C750	EJA946	-	-
Feldman	06-01-2016 07:10	06-01-2016 16:59:08	21L	D	SR22	ASZZ63	-	-
Feldman	06-02-2016 12:05	06-02-2016 12:04:10	UNK	D	-	-	NMS3	80.2
Feldman	06-02-2016 17:31	06-02-2016 17:22:37	21L	A	UNK	NF69SD	-	-
Feldman	06-03-2016 23:45	06-03-2016 23:46:47	21R	D	GLF5	N808JG	-	-
Feldman	06-04-2016 03:00	06-04-2016 02:55:34	21L	A	PC12	SKQ31	-	-
Feldman	06-04-2016 06:10	06-04-2016 06:11:33	UNK	D	UNK	UNK	NMS3	83.3
Cope	06-04-2016 08:59	06-04-2016 8:58:55	21L	A	C172	N1077Y	-	-
Houlihan	06-04-2016 11:04	06-04-2016 11:00:36	UNK	D	UNK	UNK	-	-
Rashidinia	06-05-2016 03:00	06-05-2016 3:00:08	UNK	D	UNK	UNK	-	-
Feldman	06-05-2016 17:11	06-05-2016 17:13:00	21R	D	GAV	N103AV	-	-
Feldman	06-08-2016 17:01	06-08-2016 17:00:02	03L	A	UNK	N928CS	-	-
Feldman	06-08-2016 17:12	06-08-2016 17:14:00	UNK	D	UNK	UNK	-	-
Feldman	06-08-2016 23:12	06-08-2016 23:14:35	UNK	D	UNK	UNK	-	-
Feldman	06-09-2016 23:23	NOT CORRELATED	-	-	-	-	-	-
Feldman	06-09-2016 23:54	NOT CORRELATED	-	-	-	-	-	-
Terry	06-10-2016 12:11	06-10-2016 12:24:23	21L	D	GLF5	N343AR	NMS3	75.3
Brownman	06-10-2016 12:12	06-10-2016 12:24:23	21L	D	GLF5	N343AR	NMS3	75.3
Terry	06-10-2016 12:13	06-10-2016 12:24:23	21L	D	GLF5	N343AR	NMS3	75.3
Schneeberg	06-12-2016 14:50	06-12-2016 14:44:52	03R	D	UNK	N928CS	-	-
Schneeberg	06-12-2016 14:52	06-12-2016 14:43:15	03R	D	UNK	N928CS	-	-
Schneeberg	06-12-2016 14:54	06-12-2016 14:59:43	04R	A	UNKQ	N180YA	-	-
Feldman	06-13-2016 08:46	NOT CORRELATED	-	-	-	-	-	-
Feldman	06-14-2016 03:05	06-14-2016 03:05:45	21L	A	UNK	SKQ30	UNK	UNK
Feldman	06-14-2016 06:51	06-14-2016 06:45:01	03R	D	AESI	N12PX	UNK	UNK
Renfro	06-15-2016 15:43	06-15-2016 15:46:36	UNK	D	LJ45	N28QT	UNK	UNK
Lauryn C.	06-15-2016 17:10	06-15-2016 17:08:53	21L	D	UNK	UNK	UNK	UNK
Lauryn C.	06-15-2016 17:11	06-15-2016 17:11:51	21L	D	UNK	UNK	UNK	UNK
Lauryn C.	06-15-2016 21:59	NOT CORRELATED	-	-	-	-	-	-
Floyd	06-16-2016 11:08	06-16-2016 11:03:48	03R	D	UNK	UNK	UNK	UNK

Feldman	06-16-2016 23:14	06-16-2016 23:13:11	UNK	A	C750	NPOOP	UNK	UNK
Brooks	06-18-2016 00:00	NOT CORRELATED	-	-	-	-	--	-
Fivus	06-18-2016 16:04	06-16-2016 15:58:10	03R	D	CH2	N10XY	UNK	UNK
Fivus	06-18-2016 16:05	NOT CORRELATED	-	-	-	-	-	-
Winer	06-19-2016 20:01	06-19-2016 20:07:34	UNK	D	UNK	UNK	UNK	UNK
Feldman	06-21-2016 00:02	NOT CORRELATED	-	-	-	-	-	-
Feldman	06-21-2016 07:37	06-21-2016 07:21:52	21L	D	M20P	N91392	NMS4	-
Gokce	06-21-2016 18:22	06-21-2016 18:14:01	21L	D	UNK	UNK	UNK	UNK
Bullard	06-22-2016 00:32	06-22-2016 00:09:04	UNK	D	C208	N208LS	UNK	UNK
Renfroe	06-24-2016 12:28	06-24-2016 12:21:05	03L	D	CL60	EJA202	UNK	UNK
Renfroe	06-24-2016 17:10	06-24-2016 17:03:56	03L	D	UNK	UNK	UNK	UNK
Feldman	06-24-2016 23:21	06-24-2016 23:09:13	16L	D	UNK	UNK	UNK	UNK
Terry	06-25-2016 00:32	NOT CORRELATED	-	-	-	-	-	-
Erweks	06-25-2016 00:32	NOT CORRELATED	-	-	-	-	-	-
Schneeberg	06-25-2016 13:24	06-25-2016 13:09:53	03L	D	UNK	UNK	UNK	UNK
Schneeberg	06-25-2016 13:27	06-25-2016 13:24:11	03R	D	BE36	N36EK	UNK	UNK
Schneeberg	06-25-2016 13:28	06-25-2016 13:26:35	03R	D	UNK	N78PG	UNK	UNK

Legend:

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

The airport correlated **44** (86%) of the noise complaints to be **direct** correlations. Of the **51** noise complaints, **0** (0%) were **indirect** correlations to operations and **7** (7.2%) were **not correlated**.

Direct = Linked to a specific flight operation over a house/monitor (NOMS correlation).

Indirect = Not linked to a specific flight operation (take-off thrust, reverse thrust; maintenance run-up).

Not Correlated = There was no noise event to tie to NOMS or manual

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: Operation; **A**pproach **D**eparture **O**verflight

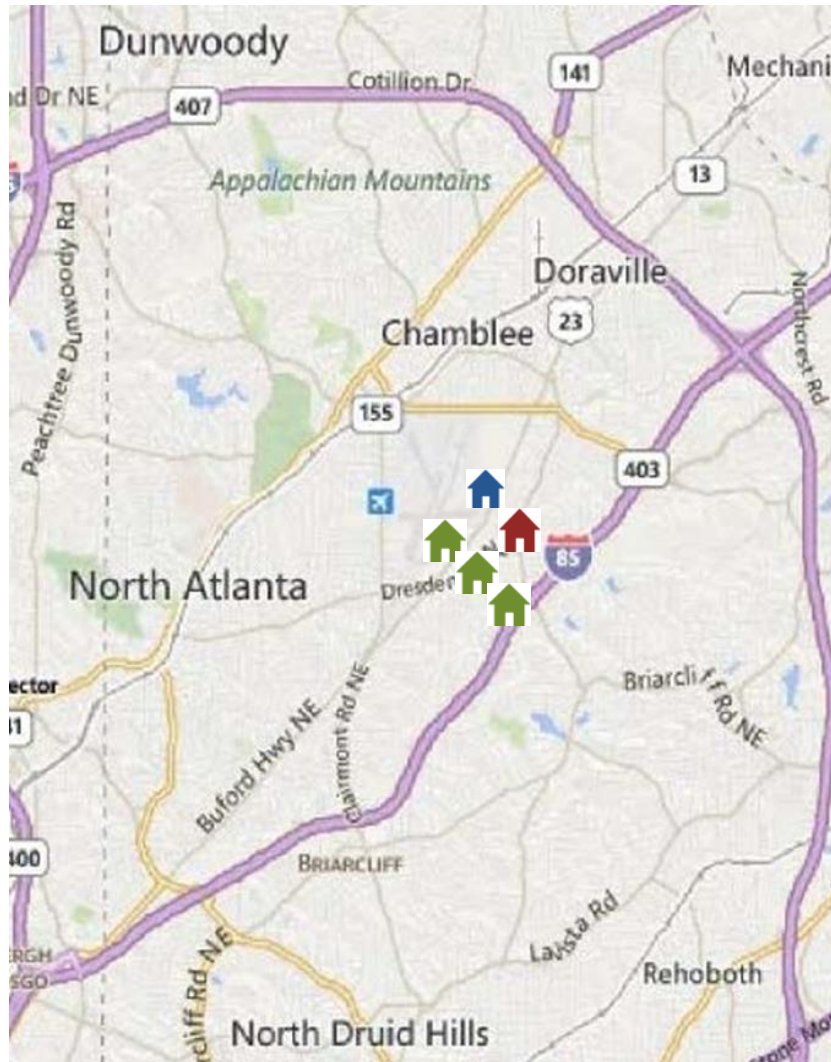
Equip: Type Aircraft




Flight ID: Tail number of aircraft or military call sign

NMS: Noise Monitoring Station

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

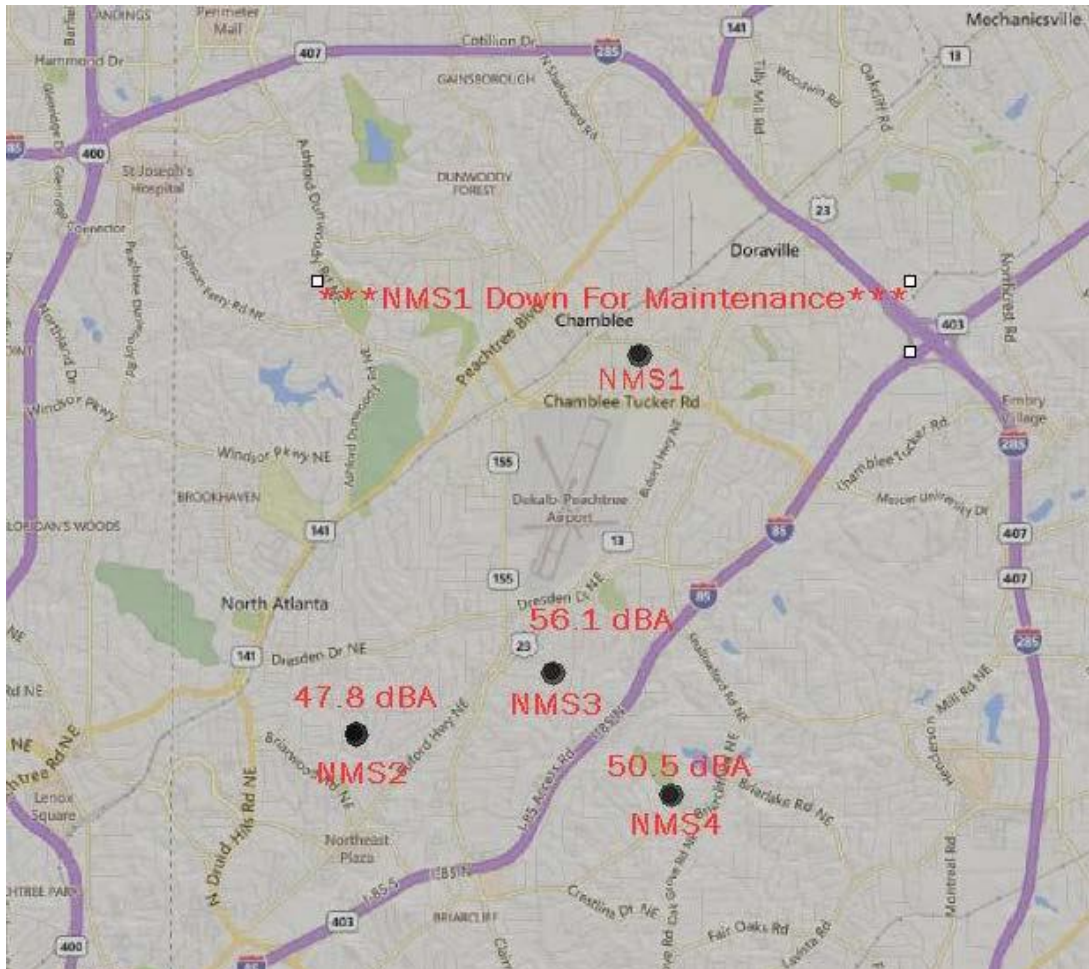
Disturbance Location Pin Map



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Two Unknown Complainant Addresses With One Complaint each.

Monthly 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.
- 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:**

The airport identified a total of **281** of the **300** operations during the voluntary curfew period (11 PM-6 AM) during the month of **June 2016** **127** of the **300** operations were identified as MEDEVAC and/or emergency flights.

92 “one time” operations were conducted during this period.

208 were multi-time operations conducted during this period, i.e. an operator conducting **2** or more operations during this period.

- **Operators Identified / Multi-Use:**

157 operators were identified using the airport during the voluntary curfew period.

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

23 operators were identified as MEDEVAC and/or emergency flights.

- **Complaints received from operations conducted during the voluntary curfew period:**

51 complaints were received during June, 2016.

11 complaints were received for operations conducted during the voluntary curfew period.

This Month (N #'s)

36 Aircraft with 2 operations (897CW, 921BA, 928CS, 971PD, 555WZ, 769SD, 750CK, 735XL, 60PC, 244, 203GT, 194TR, 215H, 371CF, 1097Y, 4455M, 402GJ, 404BY, 38MG, 818LX, 820TF, 850HS, 800CV, 79DC, 731GA, **615MT, 365LH, 384CF, 771MG, 777WY, 560LC, 377P, 205CM, 891AA, 245DH, 42HN**)

5 Aircraft with 3 Operations (112WJ, 376SP, 732WB, 510MG, 4428U, **68DA**)

3 Aircraft with 4 Operations (103AV, 8830N, 188CB, **662MW, 904P, 412GJ**)

2 Aircraft with 5 Operations (5208K)

1 Aircraft with 8 Operations (**626DS**)

1 Aircraft with 10 Operations (**677ST**)

2 Aircraft with 7 Operations (411ET, **716TC**)

4 Aircraft with 21 Operations (676PC)

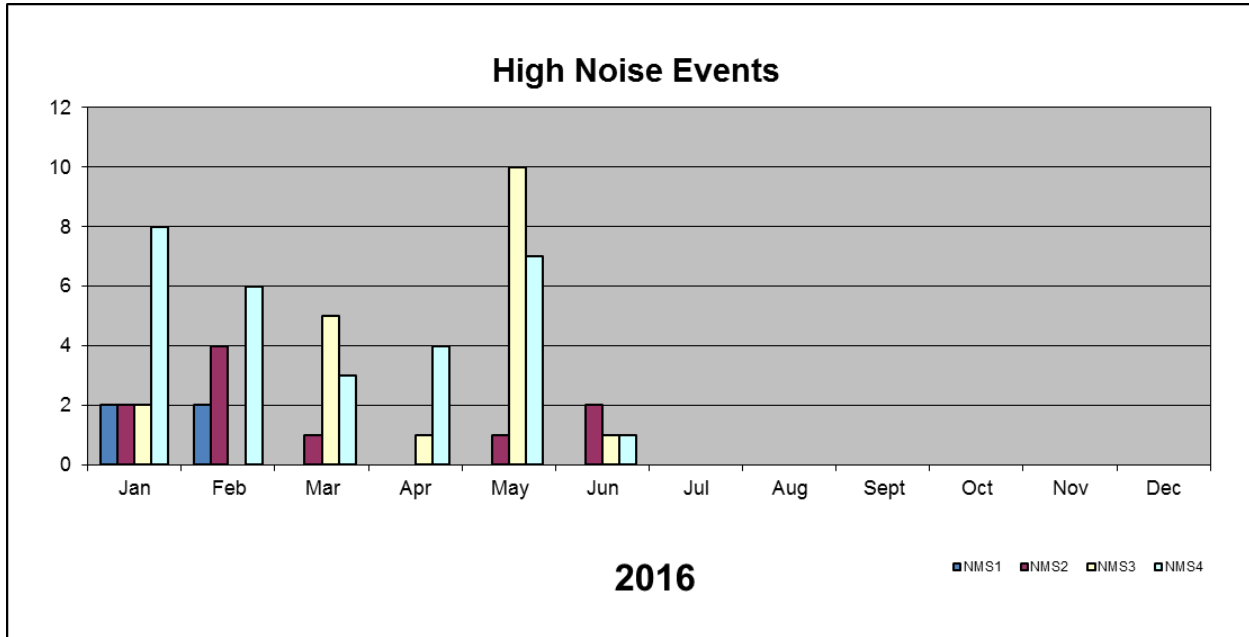
2 Aircraft with 28 Operations (**208LS**)

7 Aircraft with 1 Operations (244JS, 254C, 321JN, 3378Q, 335MR, **1548K, 21433J**)

Note: The bold face N#'s represent MEDEVAC, Medical related flights, or Law Enforcement.

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, NMS 2, 3, & 4 are located in residential areas and are set at **90 dBA Lmax** or greater. A total of **4 advisory letters** will be sent this month for aircraft identified as exceeding PDK's high noise event threshold.



May (N #'s)

6 Aircraft with 1 High Noise Event (**321MS, PHJ70, JTL480, 500FZ, 800WH, 2167A**)

12 Aircraft with 1 High Noise Event (Unknown Identification Numbers)

June (N#s)

4 Aircraft with 1 High Noise Event (N985BC, N217K, N247CS, N539PE)

Note: The bold face N#'s represent MEDEVAC, Medical related flights, or Law Enforcement.

We welcome your feedback!!

Please visit www.pdkairport.org for all your airport information or you may contact the airport about noise concerns at pdknoise@dekalbcountyga.gov. Follow us on Facebook:

