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# **MONTHLY NOISE REPORT**

## **DeKalb Peachtree Airport**

### **May 2016**

**PREPARED BY:**

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Noise Abatement Analyst***

**Date: 06/13/2016**

# Introduction

The DeKalb-Peachtree Airport is located in a highly aircraft noise sensitive area surrounded by residential communities. The primary goal of the Good Neighbor Program is a community-based program aimed directly at the reduction of aircraft noise levels in the vicinity of the airport. The Good Neighbor Program is a multi-faceted program that uses many approaches toward the same goal.

PDK's Good Neighbor Program strives to reduce overall aircraft noise disturbances, by soliciting airport user involvement in reaching and maintaining this goal. Participation, knowledge, and cooperation are the keys to its success.

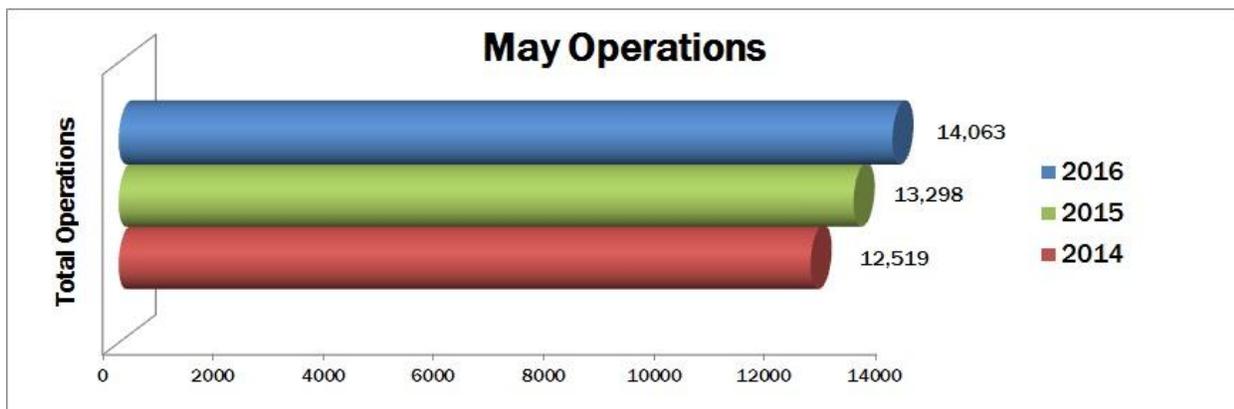
This report is a summary of airport operations, noise disturbances, follow-up letters, and overall comments for the month. For more information on PDK's Good Neighbor Program, contact the Noise Information Office at (770) 936-5442 or visit the airport's web-site at 'www.pdkairport.org'.

## Aircraft Operations Summary

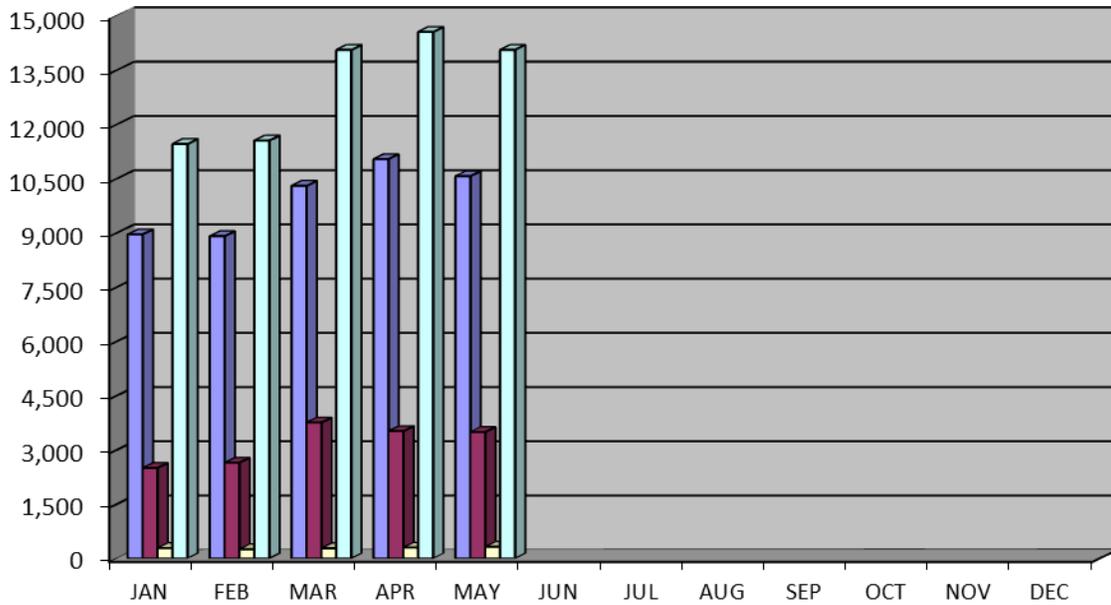
	This Month	This Month Last Year	5 Year Average for Month
Total Operations	14,063	13,298	13,267
Itinerant	10,568	10,095	9,985
Local	3,495	3,203	3,282
Voluntary Curfew Ops	321	296	289
Prior Authorization (75,000 Pounds)	89	1 noise disturbance call associated with these flights. 4 voluntary curfew ops were associated with these flights.	

### Definitions:

<b>Prior Authorization (Section 6-93 County Code)</b>	Aircraft certified by the FAA with a max gross take-off weight greater than 75,000 pounds
<b>Operation</b>	One take-off or landing. Touch-and-go counts as two operations
<b>Itinerant</b>	Non touch-and-go operations
<b>Local</b>	Operations within 20 miles of Airport
<b>Voluntary Curfew Ops</b>	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**

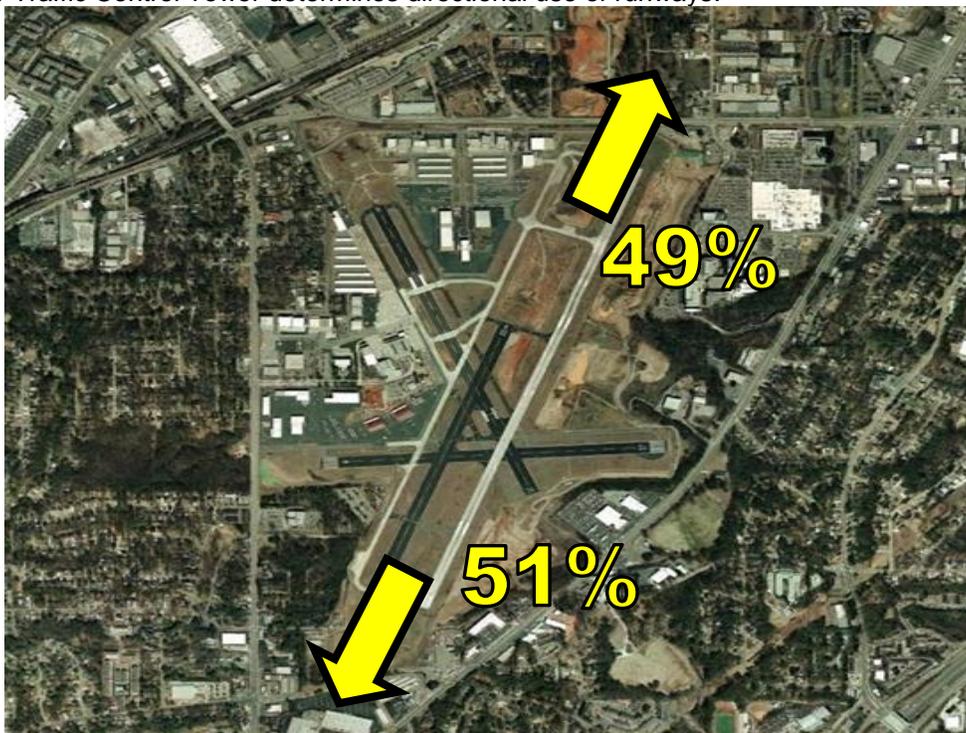
Total 2015 Ops as of May: **54,262**

Total 2016 Ops as of May: **65,697**

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

## Runway Mode of Operations

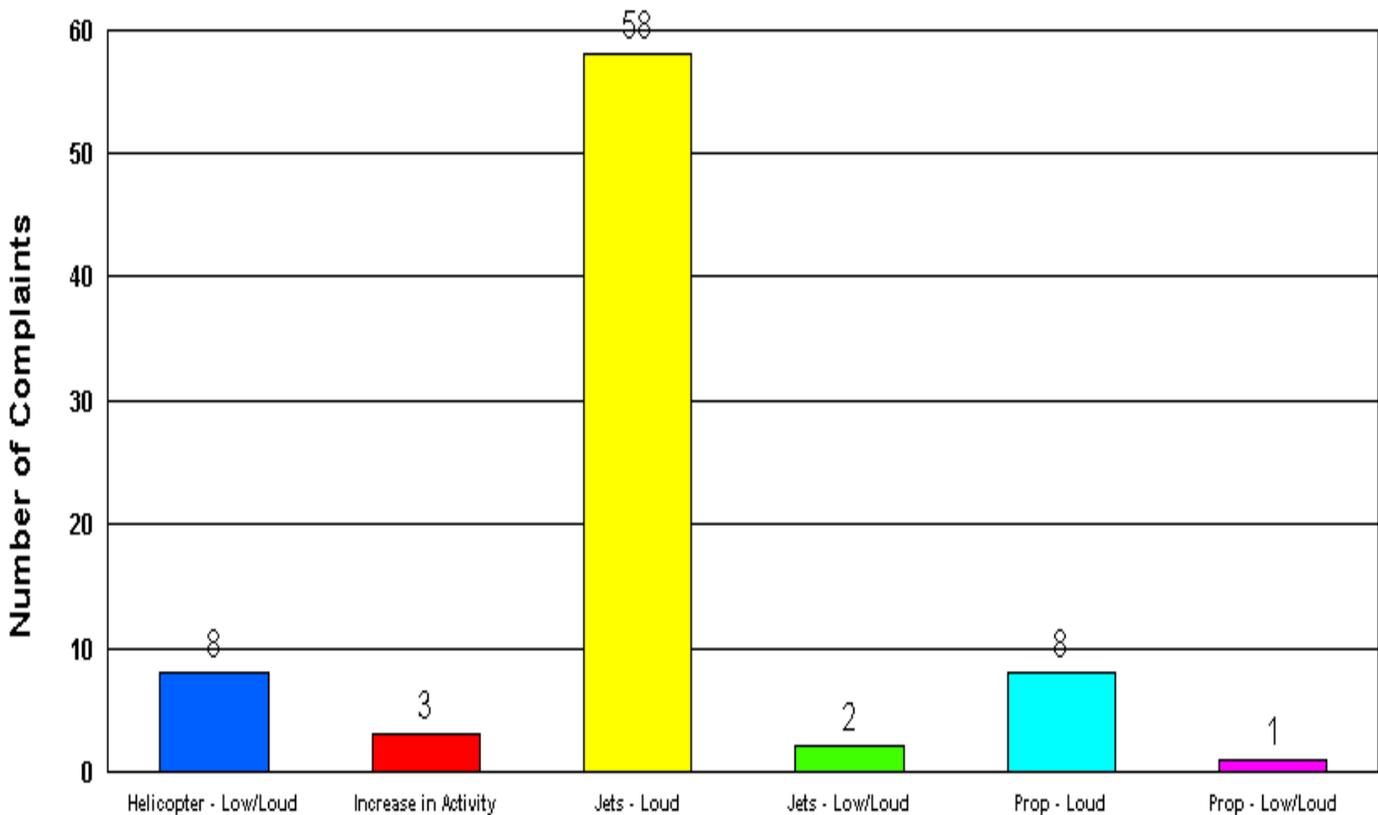
Directional use of runways has a major effect on flight patterns and the areas affected by these flight operations. Weather and wind direction generally determines runway selection. When the tower is open the FAA Air Traffic Control Tower determines directional use of runways.



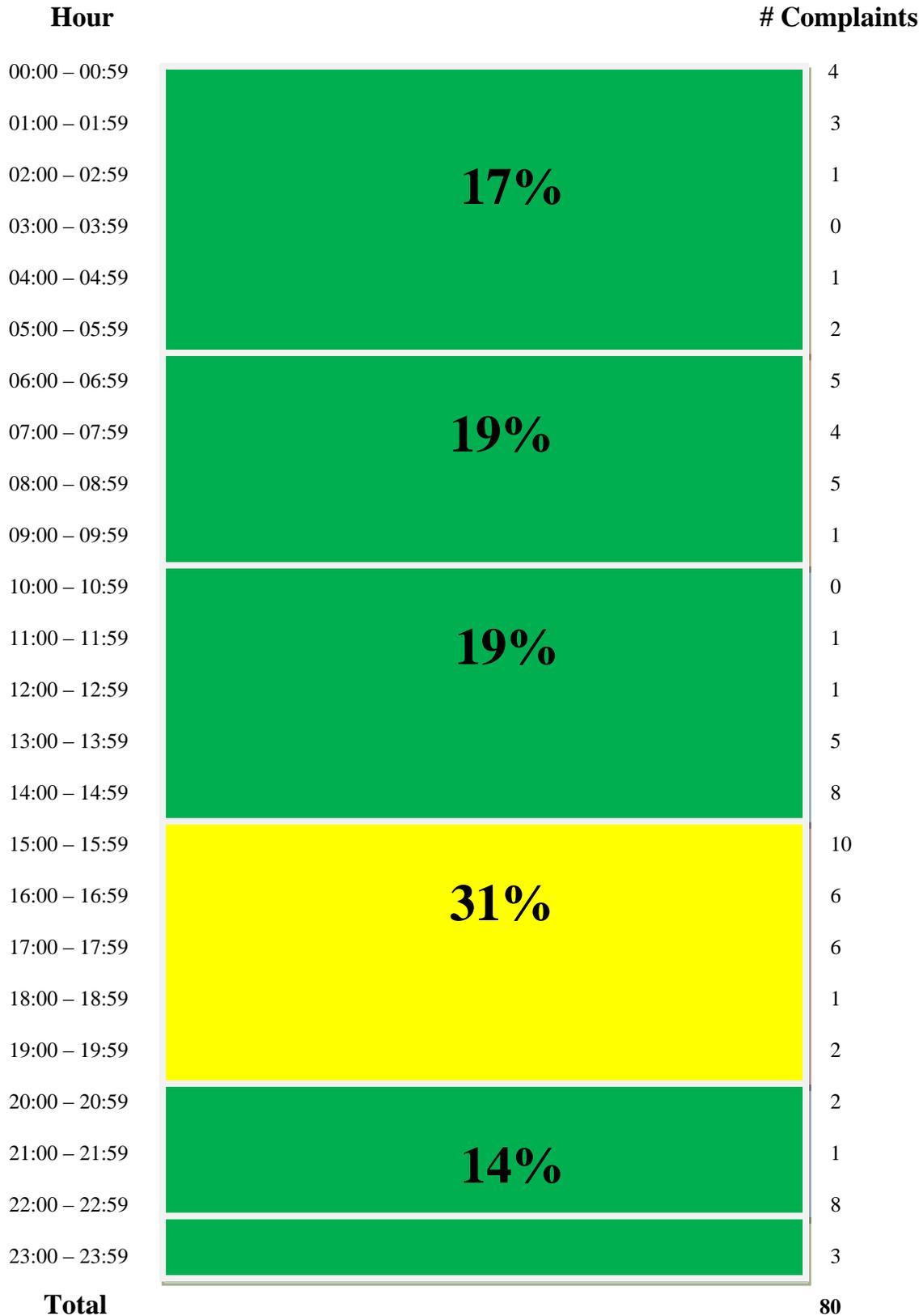
# Noise Disturbances Reported

PDK maintains a hotline that permits residents to report unusually loud aircraft over-flights. (770) 936-5442 [pdknoise@dekalbcountyga.gov](mailto:pdknoise@dekalbcountyga.gov)

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>
80	104.6	1.6	2.4



# Complaints by Hour



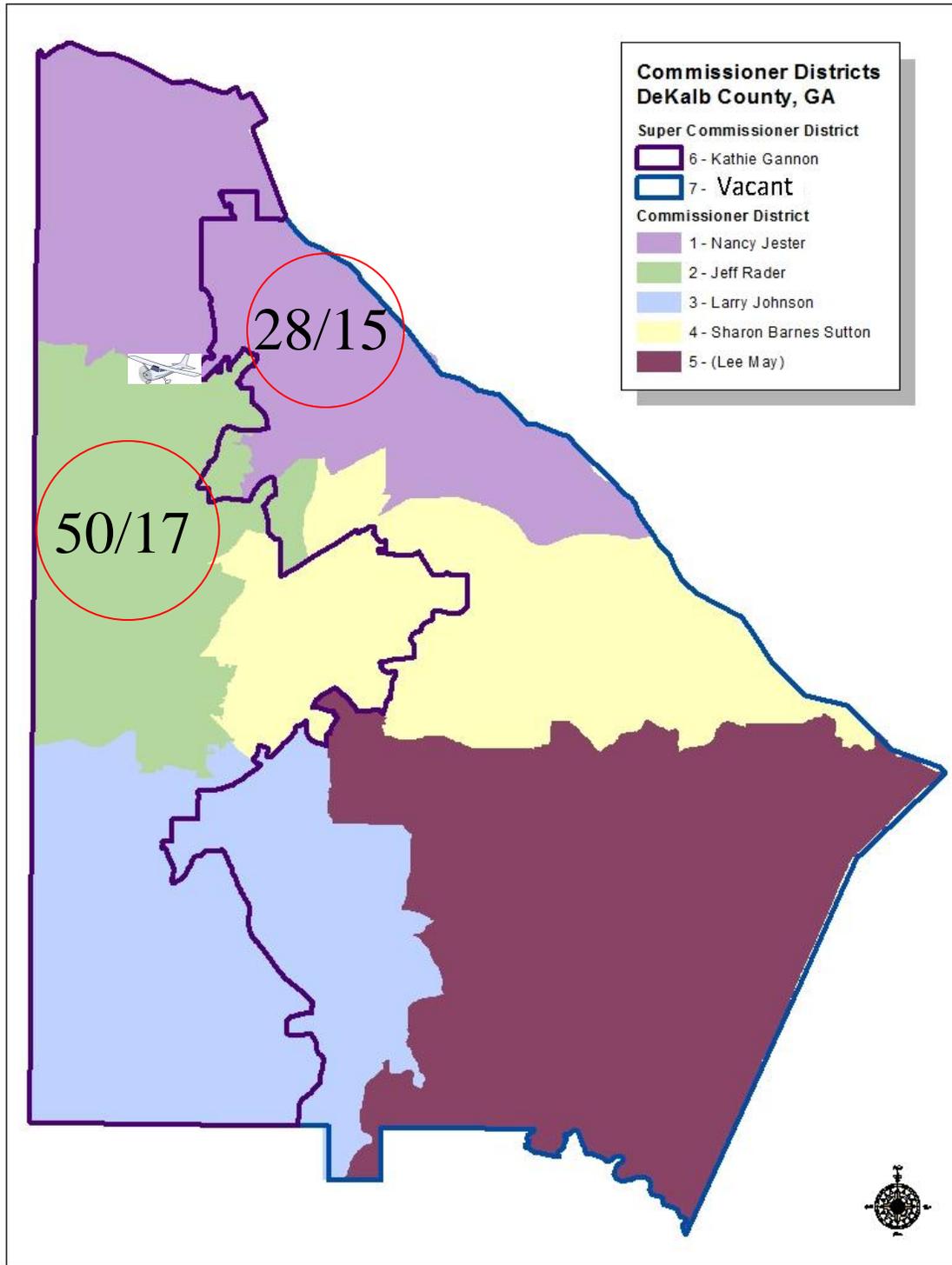
## Complainants

Gilbert	1800 Angelique Dr., Decatur	1	30033
Bullard	2710 Fair Oaks Road, Decatur	1	30033
Elliot	1940 Fairway Circle NE	1	30319
Schneeberg	2707 Ashford Rd, Atlanta	3	30319
Brooks	2743 Redding Road NE, Atlanta	1	30319
Collin	1430 Opony Pass NE	1	30319
Toabus	2352 Lemon Circle, Brookhaven	2	30319
Scheffield	1920 Gainsbrough Drive, Chamblee	1	30329
Paulaneely	2083 Summerville Court, Atlanta	1	30329
Yager	5162 Sheraton Drive, Dunwoody	1	30338
Carter	2184 Derring Circle	1	30340
Nelson	2702 Townley Cir, Atlanta	1	30340
Scudfield	2978 Bellaire Circle, Atlanta	1	30340
Snyder	3436 Allison Dr, Doraville	1	30340
Booth	3812 Donaldson Drive, Chamblee	1	30341
Feldman	2376 Arrow Cir, Atlanta	24	30341
Whitfield	2993 Villa Esta Dr., Chamblee	1	30341
Terry	2652 Cove Cir. NE, Atlanta	5	30345
Craig	2548 Warwick Circle NE, Atlanta	3	30345
King	1120 Longwood Trace, Atlanta	1	30345
Laszlo	2926 Crazey Trl., Atlanta	1	30345
Fox	2423 Woodacres Rd NE, Atlanta	3	30345
Riley	2548 Dering Ct NE, Atlanta	3	30345
Synder	2313 Street De Ville, Atlanta	3	30345
Anderson	2188 Clairmont Terrace, Atlanta	1	30345
Bennett	1979 Continental Drive NE, Atlanta	2	30345
Hante	2852 Foster Ridge Road NE, Atlanta	1	30345
Whiteside	3484 Raymond Drive, Doraville	2	30360
Wallace	2993 Sumac Drive, Atlanta	1	30360
Cope	3886 Winters Hill Drive, Atlanta 30360	6	30360
Spatafora	5009 Lakeside Dr, Atlanta	2	30360
Fisher	2808 Lyndsy Oaks Drive, Tucker	1	30384
Greenstine	UNKNOWN	1	
Dinenno	UNKNOWN	1	

Number of Complaints: **80**

Number of Complainants: **34**

# Complaints Per District



80 Total Number of complaints / 34 Total Number of complainants

\*\*\*Two Unknown Complainant Addresses With One Complaint each.\*\*\*

## **Correlation of noise complaints to operations (NOMS)**

Name	Offense Start	Flight Time	Rwy	Op	Equip	Flight ID	NMS	Lmax
Feldman	05-01-2016 00:47	05-01-2016 00:53:02	21L	D	LJ31	N288FF	NMS3	81.7
Feldman	05-01-2016 00:48	05-01-2016 00:53:02	21L	D	LJ31	N288FF	NMS3	81.7
Feldman	05-01-2016 11:01	05-01-2016 10:58:33	21R	D	BE33	N2032W	NMS2	77.4
Riley	05-01-2016 12:50	05-01-2016 12:39:54	21L	D	UNKN	N354FX	NMS3	73.2
							NMS4	73.5
Fox	05-02-2016 05:00	05-02-2016 05:37:23	21L	D	H25B	N818LX	NMS2	65.8
							NMS3	81.9
Fox	05-02-2016 05:45	05-02-2016 05:47:28	UNK	D	PC12	CNS121		
Fox	05-02-2016 06:25	05-02-2016 06:25:39	UNK	D	PC12	CNS1217	NMS3	74.1
Toabus	05-03-2016 00:52	NOT CORRELATED						
Feldman	05-04-2016 06:23	05-04-2016 06:23:27	21L	A	C56X	EJM790		
Feldman	05-04-2016 06:37	05-04-2016 06:38:27	34	D	C56X	N100YB		
Feldman	05-04-2016 08:33	05-04-2016 08:33:45	03R	A	LJ60	N38SV		
Feldman	05-04-2016 23:05	05-04-2016 23:05:32	03R	A	C560	EJA843		
Feldman	05-05-2016 06:47	05-05-2016 06:47:41	03R	D	GLF4	N505GF		
Feldman	05-05-2016 07:37	NOT CORRELATED						
Wallace	05-06-2016 15:15	05-06-2016 15:15:51	03R	D	BE20	EMD28		
Feldman	05-06-2016 15:17	05-06-2016 15:19:28	34	D	C206	N319CS	NMS3	68.9
Nelson	05-06-2016 17:37	05-06-2016 17:38:14	03L	A	UNKN	UNKN	NMS4	84.7
Toabus	05-07-2016 00:40	05-07-2016 00:40:30	03R	A	UNKN	N411ET		
Greenstine	05-08-2016 19:51	NOT CORRELATED						
Riley	05-08-2016 20:26	05-08-2016 20:23:18	UNK	D	C560	N805LC	NMS4	71.0
							NMS3	78.9
Feldman	05-11-2016 02:25	05-11-2016 02:25:38	03L	A	BE40	N402GJ	NMS2	67.7
Riley	05-11-2016 19:50	05-11-2016 19:41:38	16	D	LJ35	N351AM		
Terry	05-11-2016 22:10	05-11-2016 22:10:41	UNK	D	B350	GAJ806		
Terry	05-11-2016 22:17	05-11-2016 22:16:27	UNK	D	UNKN	UNKN		
Terry	05-11-2016 22:22	05-11-2016 22:21:54	21L	D	UNKN	UNKN		
Terry	05-11-2016 22:34	05-11-2016 22:32:50	21L	D	UNKN	UNKN	NMS3	68.7
Terry	05-11-2016 22:38	05-11-2016 22:38:39	UNK	D	UNKN	UNKN		
Schneeberg	05-13-2016 08:37	05-13-2016 08:38:25	UNK	A	UNKN	N2AQ		
L. Snyder	05-13-2016 13:35	05-13-2016 13:40:52	UNK	A	UNKN	UNKN	NMS4	102.8
							NMS3	94.5
Anderson	05-13-2016 13:40	05-13-2016 13:40:52	UNK	A	UNKN	UNKN	NMS4	102.8
							NMS3	94.5
Feldman	05-13-2016 13:41	05-13-2016 13:40:52	UNK	A	UNKN	UNKN	NMS4	102.8
							NMS3	94.5
Bennett	05-13-2016 13:45	05-13-2016 13:40:52	UNK	A	UNKN	UNKN	NMS4	102.8
							NMS3	94.5
Fisher	05-13-2016 15:30	05-13-2016 15:34:23	UNK	A	UNKN	UNKN	NM3	81.9
							NMS4	98.0
Hante	05-13-2016 15:30	05-13-2016 15:34:23	UNK	A	UNKN	UNKN	NM3	81.9
							NMS4	98.0
L. Snyder	05-13-2016 15:35	05-13-2016 15:34:23	UNK	A	UNKN	UNKN	NM3	81.9

							NMS4	98.0
Bennett	05-13-2016 15:35	05-13-2016 15:34:23	UNK	A	UNKN	UNKN	NM3	81.9
							NMS4	98.0
Brooks	05-13-2016 20:09	05-13-2016 20:05:16	03R	A	UNKN	UNKN		
Collin	05-14-2016 13:55	05-14-2016 13:54:11	UNK	D	UNKN	UNKN		
Booth	05-14-2016 14:20	05-14-2016 14:10:09	UNK	O	UNKN	UNKN	NMS3	73.2
Elliot	05-14-2016 14:30	05-14-2016 14:10:09	UNK	O	UNKN	UNKN	NMS3	73.2
Carter	05-14-2016 14:30	05-14-2016 14:10:09	UNK	O	UNKN	UNKN	NMS3	73.2
Paulaneely	05-14-2016 14:32	05-14-2016 14:10:09	UNK	O	UNKN	UNKN	NMS3	73.2
L. Synder	05-14-2016 14:35	05-14-2016 14:10:09	UNK	O	UNKN	UNKN	NMS3	73.2
Scudfield	05-14-2016 16:00	05-14-2016 16:28:07	UNK	O	UNKN	UNKN	NMS3	69.9
Laszlo	05-14-2016 16:32	05-14-2016 16:28:07	UNK	O	UNKN	UNKN	NMS3	69.9
Whiteside	05-15-2016 15:00	05-15-2016 14:55:00	03L	D	UNKN	N945CP		
Dineno	05-15-2016 16:25	05-15-2016 16:26:09	UNK	D	UNKN	UNKN		
Feldman	05-15-2016 16:26	05-15-2016 16:26:09	UNK	D	UNKN	UNKN		
Whiteside	05-15-2016 17:00	05-15-2016 17:04:13	UNK	O	UNKN	UNKN		
Whitfield	05-15-2016 17:00	05-15-2016 17:04:13	UNK	O	UNKN	UNKN		
Feldman	05-15-2016 17:03	05-15-2016 17:04:13	UNK	O	UNKN	UNKN		
Bullard	05-19-2016 07:54	NOT CORRELATED						
Gilbert	05-19-2016 18:26	05-19-2016 18:26:09	03R	A	BE40	N548KK		
Craig	05-21-2016 22:35	05-21-2016 22:33:40	03L	A	C56X	PHJ55		
Feldman	05-22-2016 04:54	05-22-2016 04:54:47	03R	A	BE40	N442GJ		
Craig	05-22-2016 14:08	05-22-2016 14:07:06	UNK	D	C56X	N100YB		
Schneeberg	05-22-2016 14:46	05-22-2016 14:37:59	34	D	UNKN	UNKN		
King	05-22-2016 17:56	NOT CORRELATED						
Craig	05-22-2016 21:49	05-22-2016 21:50:17	UNK	D	LJ31	N728CL		
Schneeberg	05-24-2016 16:50	05-24-2016 16:41:38	21L	D	UNKN	UNKN	NMS3	70.8
							NMS2	69.3
T. Cope	05-25-2016 14:02	05-25-2016 14:03:58	21L	A	F2TH	N101NY		
Feldman	05-26-2016 01:32	05-26-2016 01:33:07	03R	D	BE9L	EMD40		
Feldman	05-26-2016 07:13	05-26-2016 07:14:38	21L	D	E55P	EJA310	NMS3	70.9
Feldman	05-26-2016 07:36	05-26-2016 07:37:07	21L	D	C52C	N938LN	NMS3	72.8
							NMS2	69.0
Feldman	05-26-2016 09:23	05-26-2016 09:22:46	UNK	D	BE40	JTL73	NMS3	80.0
T. Cope	05-27-2016 15:32	05-27-2016 15:33:39	21L	A	F2TH	EJA232P		
T. Cope	05-27-2016 15:35	05-27-2016 15:37:57	21L	A	TBM7	N975TB		
T. Cope	05-27-2016 15:55	05-27-2016 15:57:57	21L	A	GLF4	N124TF		
T. Cope	05-27-2016 16:48	05-27-2016 16:50:28	21L	A	BE40	JTL480		
T. Cope	05-27-2016 17:08	05-27-2016 17:10:37	21L	A	GLAX	N682GA		
Schefield	05-28-2016 08:49	NOT CORRELATED						
Snyder	05-28-2016 22:52	05-28-2016 22:33:26	03L	UNKN	UNKN			
Spatafora	05-29-2016 23:28	05-29-2016 23:27:42	34	D	UNKN	UNKN		
Yager	05-30-2016 01:30	05-30-2016 01:18:21	21R	D	BE40	N412GJ	NMS3	79.5
							NMS4	71.6
Feldman	05-30-2016 22:57	05-30-2016 22:48:17	UNK	D	UNKN	UNKN		
Feldman	05-31-2016 01:39	05-31-2016 01:37:47	UNK	D	E135	N661JM		
Spatafora	05-31-2016 06:40	05-31-2016 06:37:44	03R	D	C182	N613A		

Feldman	05-31-2016 08:15	05-31-2016 08:15:17	03R	D	UNKN	UNKN	NMS3	76.4
Feldman	05-31-2016 08:20	05-31-2016 08:15:17	03R	D	UNKN	UNKN	NMS3	76.4
Feldman	05-31-2016 23:42	05-31-2016 23:35:21	34	D	UNKN	UNKN		

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

The airport correlated **74 (93%)** of the noise complaints to be **direct** correlations. Of the **80** noise complaints, **0 (0%)** were **indirect** correlations to operations and **6 (7%)** 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** = *Cannot tie to NOMS or manual research; No flight track.*

**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; Approach Departure Overflight

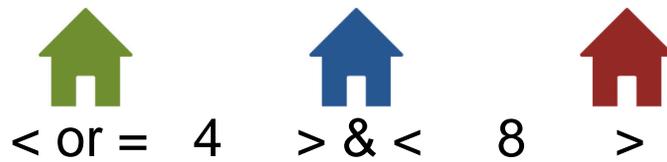
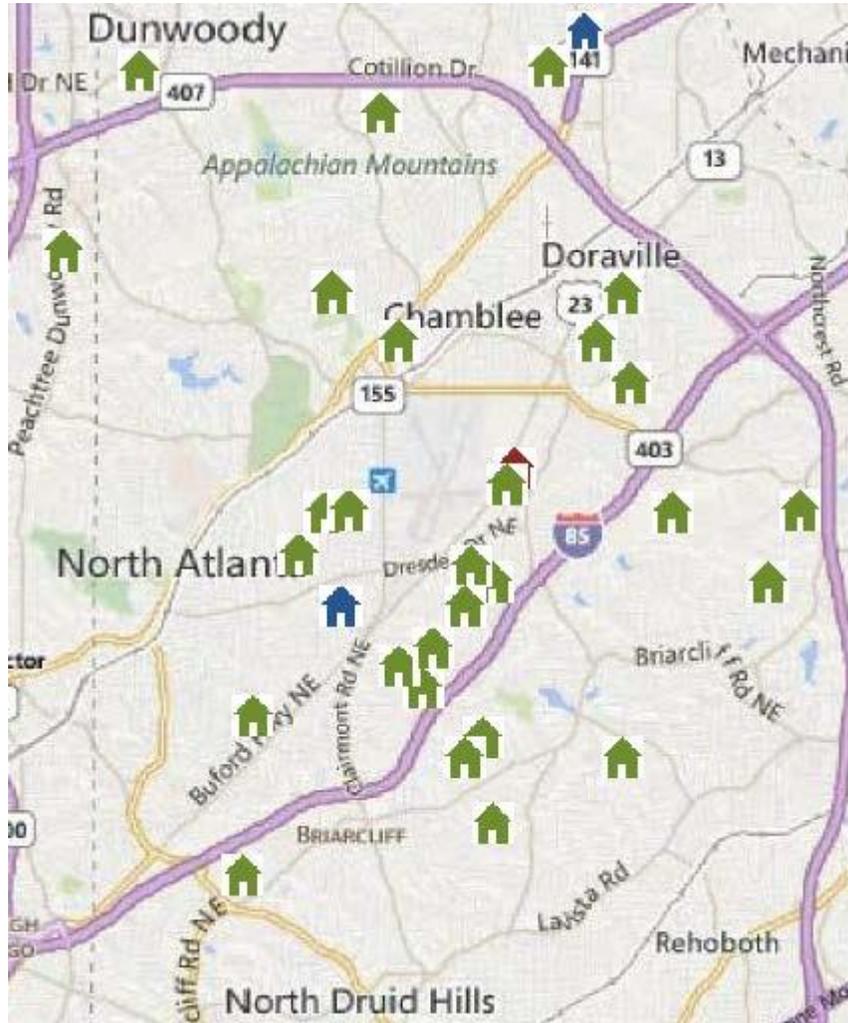
**Equip:** Type Aircraft

**Flight ID:** Tail number of aircraft or military call sign

**NMS:** Noise Monitoring Station

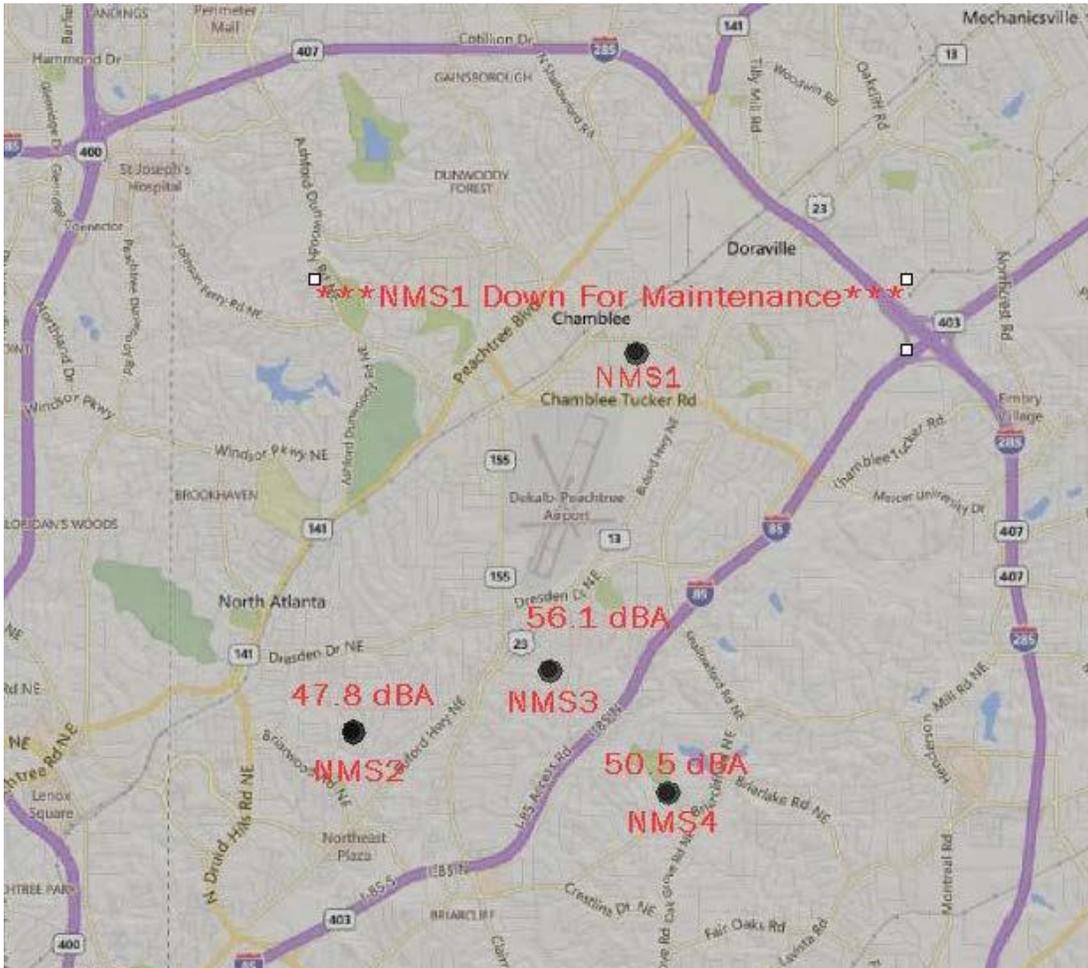
**Lmax:** Maximum A-weighted sound level for a given event

## Disturbance Location Pin Map



\*\*\*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.

## Letters

### Voluntary Curfew Operations & Operators

#### Operations:

The airport identified a total of **307** of the **321** operations during the voluntary curfew period (11PM-6AM) during the month of May, 2016. **127** of the **321** operations were identified as MEDEVAC and/or emergency flights.

**102** "one time" operations were conducted during this period.

**219** 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.

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

**21** operators were identified as MEDEVAC and/or emergency flights.

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

**80** complaints were received during May, 2016.

**14** 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**)

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

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

**1 Aircraft with 5 Operations** ( 5208K )

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

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

**2 Aircraft with 15 Operations** ( **411ET, 716TC** )

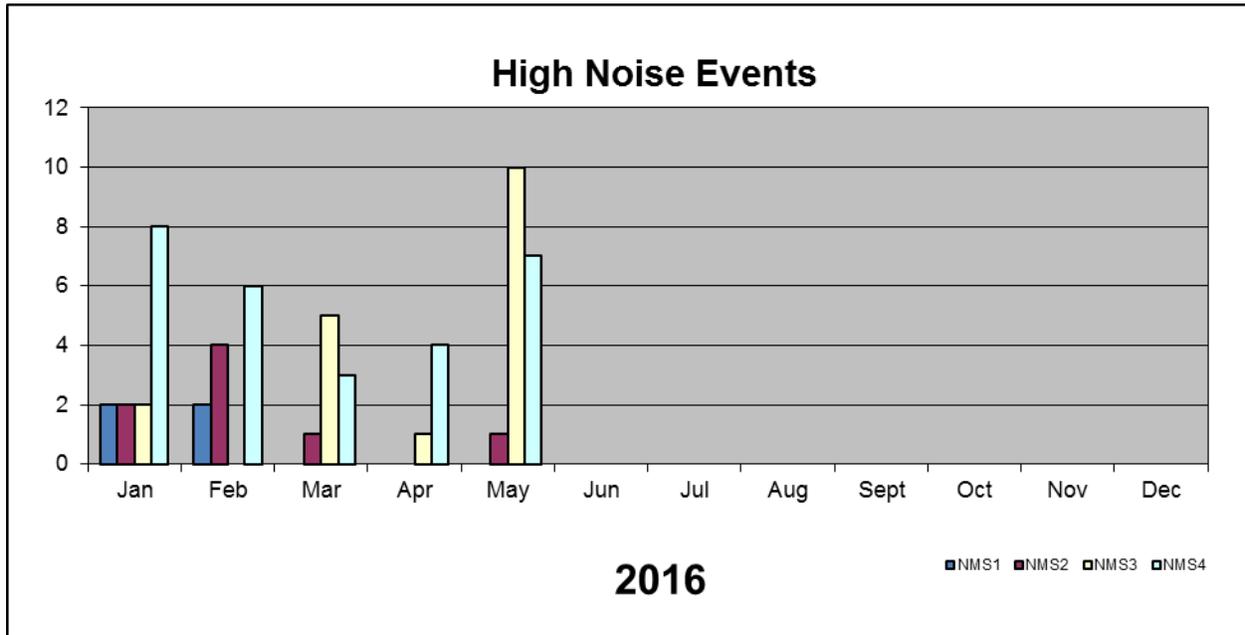
**1 Aircraft with 24 Operations** ( **676PC** )

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

**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, NMS2, 3, & 4 are located in residential areas and are set at **90 dBA Lmax** or greater. A total of **6** advisory letters were sent this month for aircraft identified as exceeding PDK's high noise event threshold.



### April (N #'s)

3 Aircraft with 1 High Noise Event ( CTL67, **208LS**, 418GJ )

1 Aircraft with 2 High Noise Events ( 672PS )

### 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 )

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

## Comments

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

