



MONTHLY NOISE REPORT

DeKalb Peachtree Airport

October 2016

PREPARED BY:

Marshall J. Taggart, Jr., C.M.

Deputy Airport Director

Date: Monday, November 14, 2016

Deputy 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. Community and airport 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

| | This Month | This Month, Last Year | 5-Year Average for Month |
|--|---------------|---|--------------------------|
| Total Operations | 14,707 | 12,814 | 13,662 |
| Itinerant | 11,418 | 10,206 | 10,566 |
| Local | 3,289 | 2,608 | 3,096 |
| Voluntary Curfew Ops | 389 | 303 | 329 |
| Prior Authorization (75,000 Pounds) | 13 | (0) 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

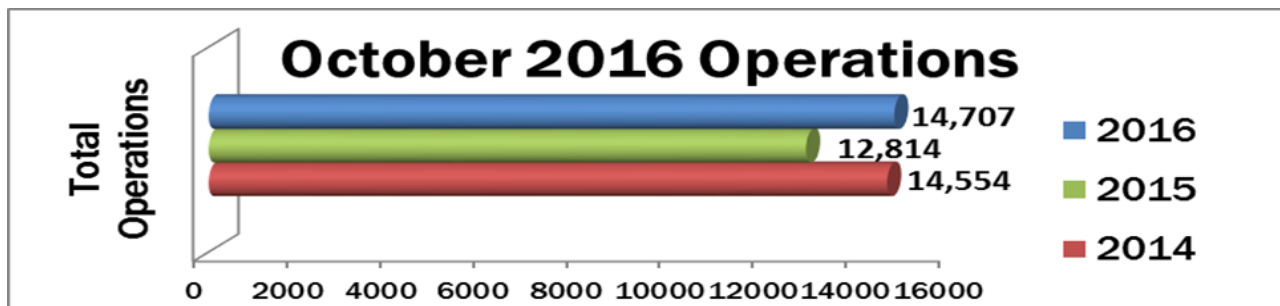
75,000 pounds

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

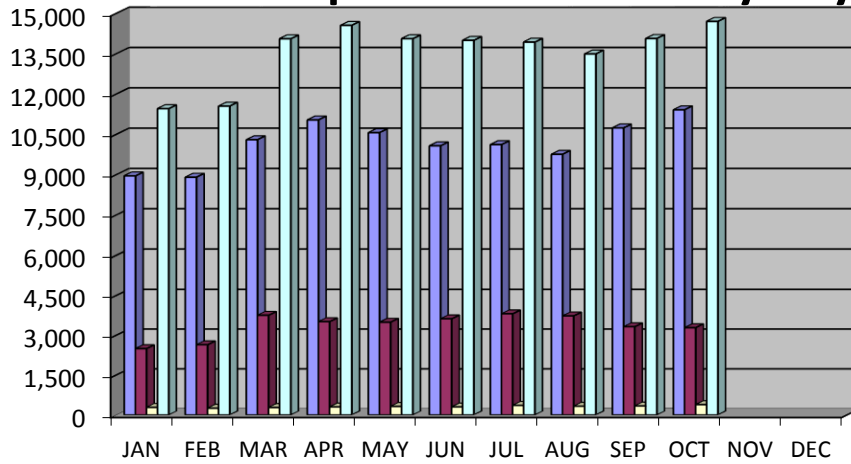
Non-touch-and-go (regular operations)

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

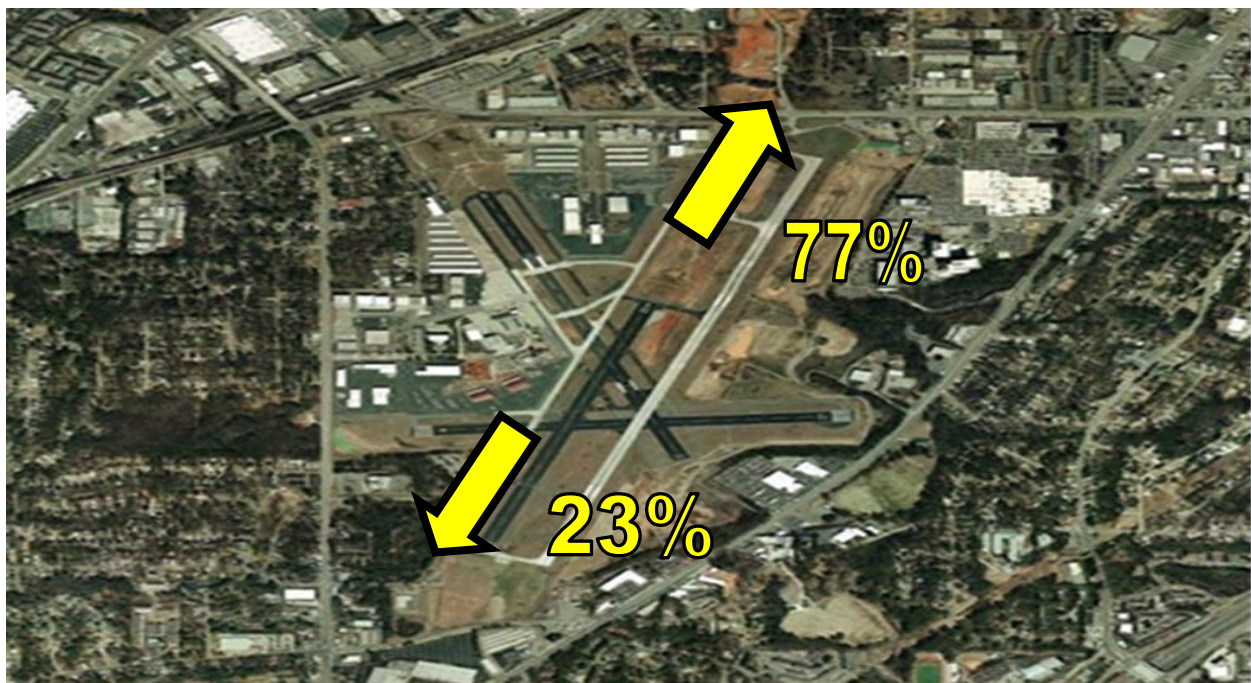


| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
| Itinerant | 8,960 | 8,910 | 10,304 | 11,041 | 10,568 | 10,078 | 10,123 | 9,762 | 10,744 | 11,418 | | |
| Local | 2,500 | 2,645 | 3,757 | 3,517 | 3,495 | 3,624 | 3,813 | 3,733 | 3,326 | 3,289 | | |
| Voluntary Curfew | 284 | 253 | 280 | 300 | 321 | 300 | 360 | 327 | 336 | 389 | | |
| Total Operations | 11,460 | 11,555 | 14,061 | 14,558 | 14,063 | 14,002 | 13,936 | 13,495 | 14,070 | 14,707 | | |

2015 Total Operations: **138,251** 2015 Total Ops as of October 2016: **115,918** *Total 2016 Ops as of October 2016: **135,907***

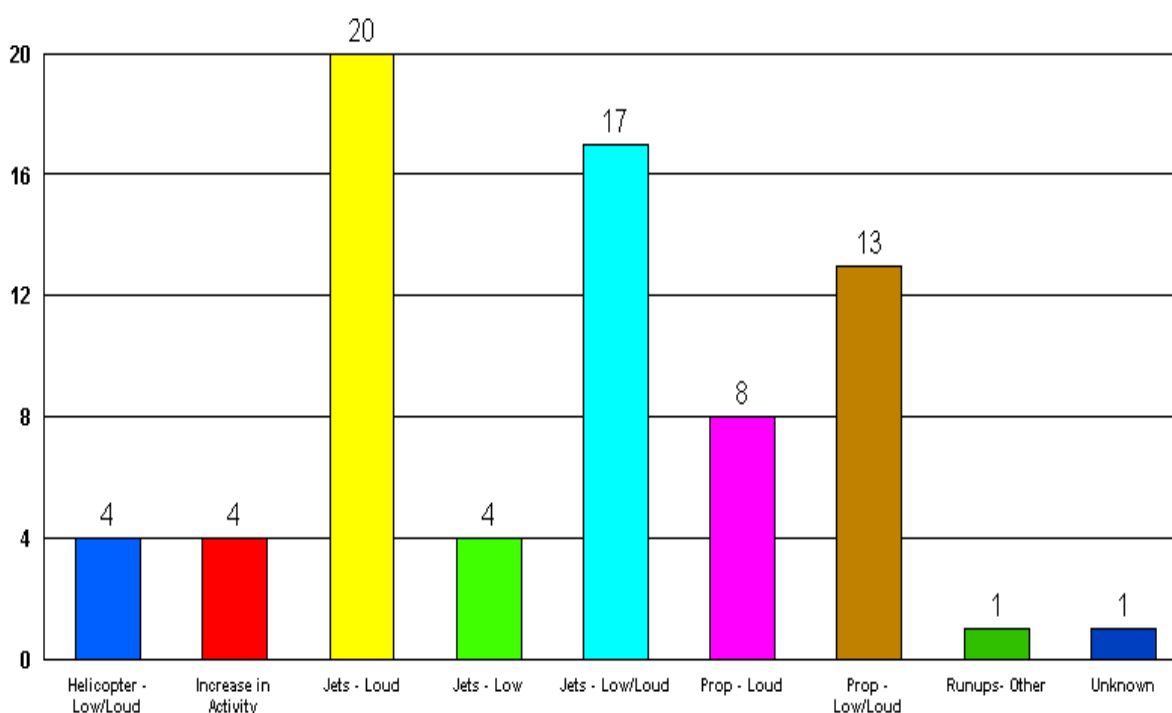
Runway Mode of Operations

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 direction use of the runways.



Noise Disturbance Summary

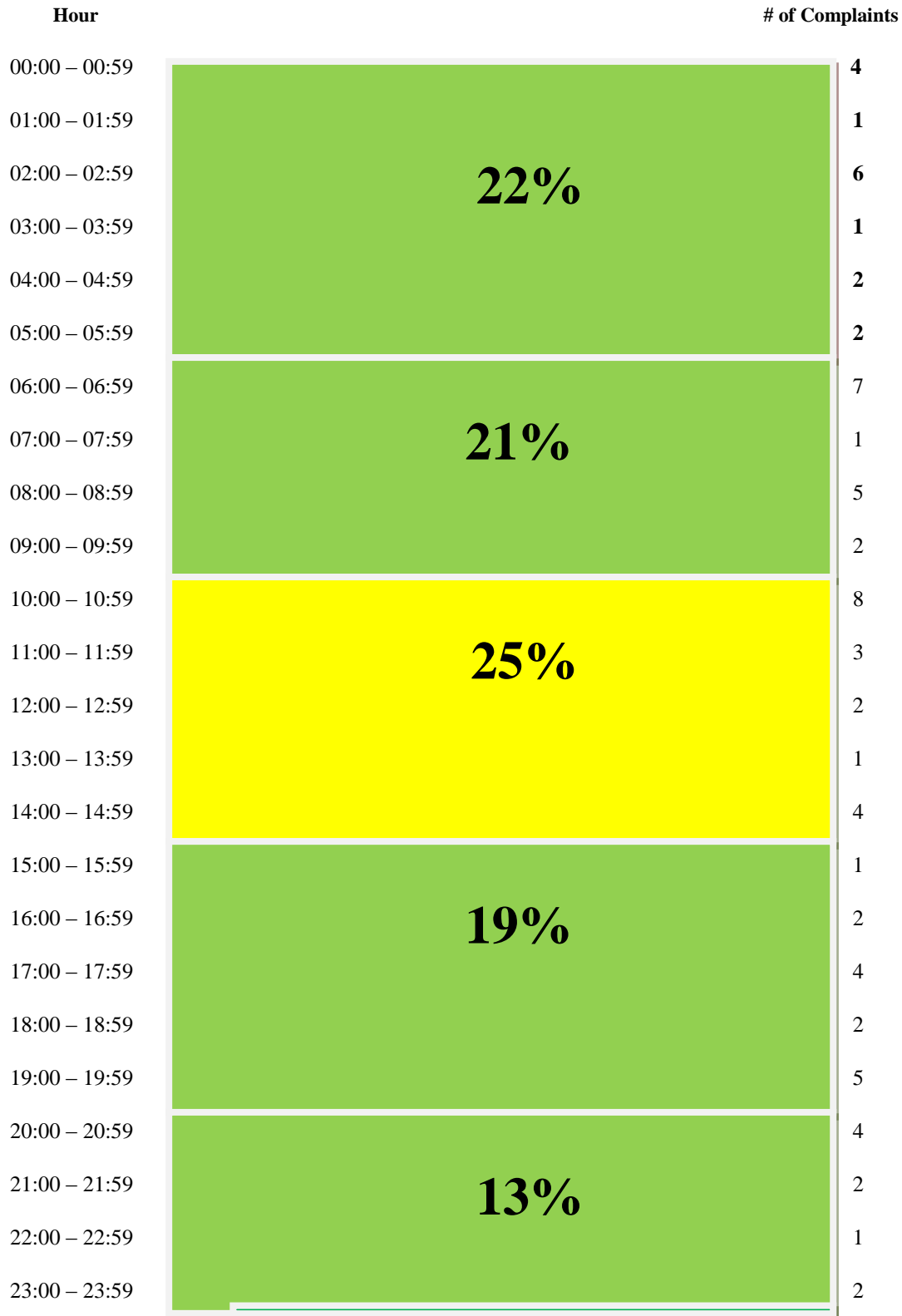
| Total complaints for the month | Monthly Complaint Average 2016 | Reports per Household <i>(minus top two/Households)</i> | Reports per Household <i>All Inclusive</i> |
|--------------------------------|--------------------------------|--|---|
| 72 | 82 | 2.3 | 3 |



PDK maintains a hotline that permits residents to report usually, loud aircraft over-flights by dialing: (770) 936-5442 or by e-mail: pdknoise@dekalbcountyga.gov.

Please contact: *Marshall J. Taggart, Jr., C.M., Deputy Airport Director* for more information regarding the PDK Good Neighbor Program.

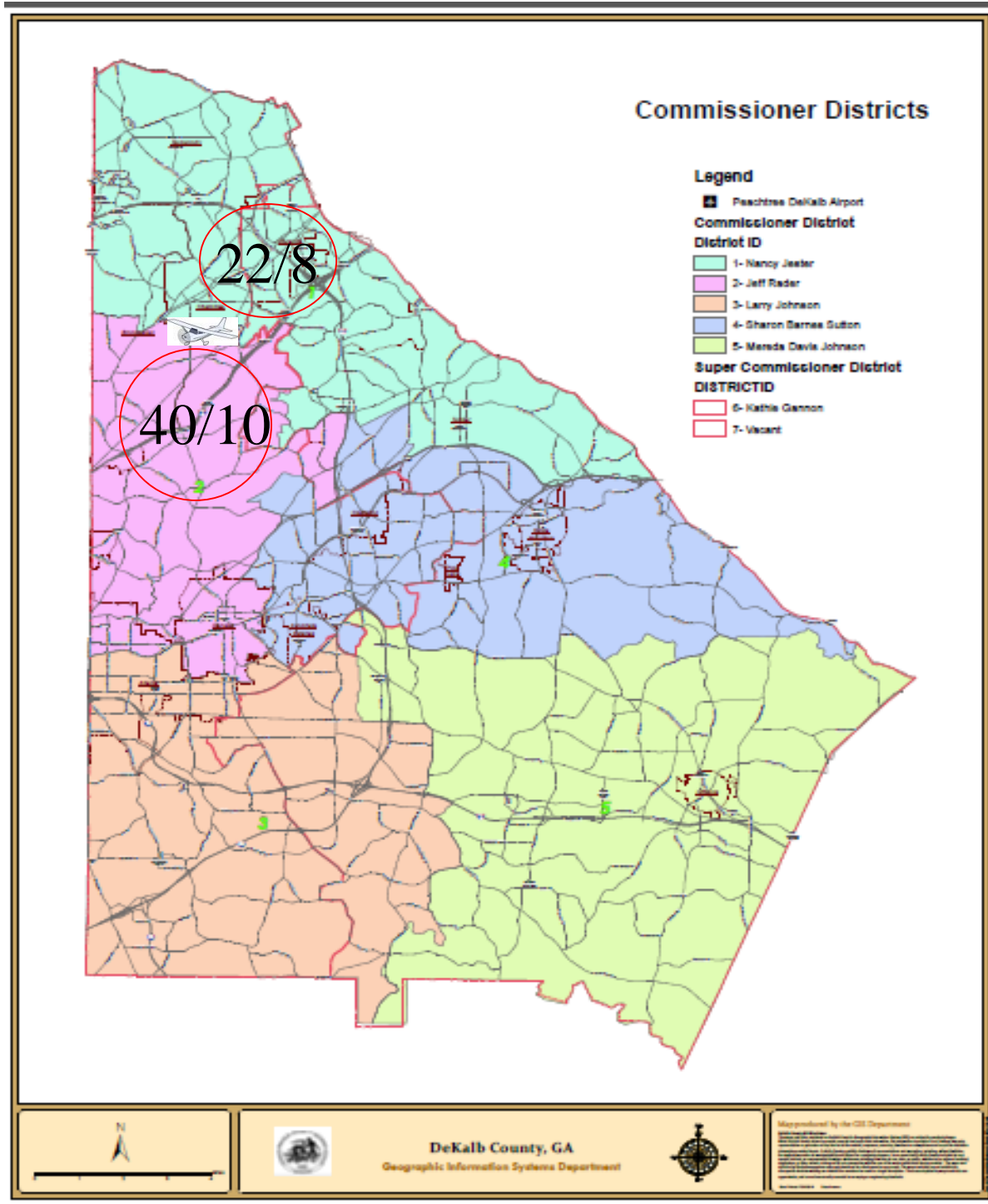
Complaints by the Hour



Complainants by Caller

| | | | |
|--------------------------------|---|-----------|-------|
| Schneeberg | 2707 Ashford Rd., NE Atlanta | 2 | 30319 |
| Elliott | 1840 Merrimac Ct., NE Atlanta | 1 | 30329 |
| Kaiser | UNKNOWN | 1 | NA |
| Lovetty | 1029 Fairway Estates, Brookhaven | 1 | 30319 |
| Kyle | 2232 Genodivere Way, Atlanta | 1 | 30345 |
| Schrieder | 343 Allison Drive, Doraville | 5 | 30340 |
| Veitch | 2654 Drew Valley Rd., NE Brookhaven | 3 | 30319 |
| Powell | 2841 Arrow Ck Dr., Chamblee | 1 | 30341 |
| Feldman | 2376 Arrow Cir., Atlanta | 13 | 30341 |
| Williams | 1925 Monticello Ct., Sandy Springs | 3 | 30350 |
| Terry | 2652 Cove Cir., NE, Brookhaven | 8 | 30319 |
| Mann | 6544 Deerings Ln., Peachtree Corners | 1 | 30092 |
| Begner | NA Cravey Dr., NE, Atlanta | 1 | NA |
| Floyd | 3622 Carmel Rd., Chamblee | 2 | 30341 |
| Fox | 2423 Woodacres Rd., NE, Atlanta | 7 | 30345 |
| Linzmeyer | 1900 Block of Mendenhall Street, Chamblee | 1 | 30341 |
| Walton | 5528 Parkerton Lane, Sandy Springs | 3 | 30342 |
| Turnage | 3916 Ashford Dunwoody Rd., Atlanta | 5 | 30319 |
| Kinnyman | 2946 Lavista Rd., Decatur | 1 | 30083 |
| Plagianis | 5604 Covena Ct., Peachtree Corners | 1 | 30092 |
| Prines-Valley | 3423 Alison Dr., Doraville | 1 | 30340 |
| Anderson | 2188 Clairmont Terrace, Atlanta | 1 | 30345 |
| UNKNOWN | 558 Clairmont Cir., Decatur | 1 | 30333 |
| UNKNOWN | UNKNOWN | 1 | NA |
| | | | |
| Number of Complaints: | | 72 | |
| Number of Complainants: | | 24 | |

Complaints per District



24 Total Number of Complainants

/ 72 Total Number of Complaints

One (1) Unknown complainant with no address listed; **One (1)** Unknown complainant with **One (1)** address listed; **One (1)** Known complainant listed with no address listed; **Four (4)** Known addresses located out of the area with **Eight (8)** complaints listed total.

Correlation of noise complaints to operations (NOMS)




| Name | Offense Reported by Complainant | Correlated Flight Time Recorded | Rwy | Op Type | AC Type Equip | Flight ID | NMS | Lmax |
|---------|---------------------------------|---------------------------------|-----|---------|---------------|-----------|------|------|
| Feldman | 10/02/2016 02:06:00 | NOT CORRELATED | - | - | - | - | - | - |
| Feldman | 10/02/2016 02:15:00 | 10/02/2016 02:12:08 | 21L | A | SR22 | N47SCP | NMS3 | 72.6 |
| Begner | 10/03/2016 14:51:00 | 10/03/2016 14:21:46 | 032 | A | UNK | UNK | NMS3 | 71.8 |
| Feldman | 10/04/2016 02:06:01 | NOT CORRELATED | - | - | - | - | - | - |
| Walton | 10/04/2016 10:30:02 | 10/04/2016 10:01:48 | 03L | A | C56X | NEO5LX | - | - |
| Walton | 10/04/2016 10:45:14 | UNK | UNK | UNK | UNK | UNK | UNK | UNK |
| Elliott | 10/05/2016 10:29:00 | 10/05/2016 10:28:37 | 03R | A | CL60 | N705AM | NMS3 | 71.0 |
| Elliott | 10/05/2016 10:36:00 | 10/05/2016 10:30:12 | 03R | A | C56X | EJA618 | - | - |
| Elliott | 10/05/2016 10:38:00 | 10/05/2016 10:37:08 | 03L | A | C525 | N525MW | - | - |
| Elliott | 10/05/2016 10:41:52 | 10/05/2016 10:41:40 | 03R | A | PC12 | N493AF | - | - |
| Elliott | 10/05/2016 10:54:00 | 10/05/2016 10:54:04 | 03R | A | C650 | N126MT | - | - |
| Elliott | 10/05/2016 11:04:00 | 10/05/2016 10:58:46 | 03R | A | BE30 | GAJ855 | NMS4 | 67.5 |
| Elliott | 10/05/2016 12:55:00 | 10/05/2016 12:54:37 | 03R | A | FA59 | N19785 | NMS3 | 76.2 |
| Elliott | 10/05/2016 12:59:00 | 10/05/2016 13:00:14 | 03R | A | BE30 | GAJ855 | NMS4 | 73.8 |
| Walton | 10/06/2016 06:00:12 | NOT CORRELATED | - | - | - | - | - | - |
| Turnage | 10/08/2016 01:02:15 | 10/08/2016 00:51:54 | UNK | UNK | UNK | UNK | UNK | UNK |
| Floyd | 10/08/2016 17:47:44 | 10/08/2016 17:34:55 | 34 | D | UNK | UNK | UNK | UNK |
| Fox | 10/09/2016 06:04:00 | 10/09/2016 06:03:58 | UNK | A | BE9L | N377P | NMS3 | 80.4 |
| Fox | 10/09/2016 06:04:01 | 10/09/2016 06:04:00 | UNK | UNK | UNK | UNK | NMS3 | 77.1 |
| Unknown | 10/09/2016 06:07:09 | 10/09/2016 06:07:06 | UNK | D | JTL73 | BE40 | NMS3 | 72.4 |
| Fox | 10/09/2016 06:07:11 | 10/09/2016 06:07:06 | UNK | D | JTL73 | BE40 | NMS3 | 72.4 |
| Fox | 10/09/2016 06:14:29 | 10/09/2016 06:14:19 | UNK | O | - | - | - | - |

| Name | Offense Reported by Complainant | Correlated Flight Time Recorded | Rwy | Op | AC Type Equip | Flight ID | NMS | Lmax |
|---------------|---------------------------------|---------------------------------|-----|-----|---------------|-----------|------|------|
| Kyle | 10/09/2016 08:00:00 | 10/09/2016 07:45:16 | 16 | D | UNK | UNK | UNK | UNK |
| Schneeberg | 10/11/2016 17:20:00 | 10/11/2016 17:20:02 | UNK | D | UNK | UNK | UNK | UNK |
| Williams | 10/12/2016 09:30:00 | 10/12/2016 09:25:22 | 34 | D | C560 | DCM4142 | UNK | UNK |
| Williams | 10/12/2016 14:34:31 | 10/12/2016 14:21:11 | UNK | UNK | UNK | UNK | UNK | UNK |
| Williams | 10/12/2016 14:40:43 | 10/12/2016 14:40:11 | 03R | D | SBR1 | N465BC | UNK | UNK |
| Kinnyman | 10/12/2016 16:10:52 | 10/12/2016 16:10:43 | UNK | D | PRM1 | N550CP | UNK | UNK |
| Turnage | 10/13/2016 00:58:00 | NOT CORRELATED | - | - | - | - | - | - |
| Turnage | 10/13/2016 00:59:00 | 10/13/2016 01:00:20 | UNK | D | AC50 | CTL67 | UNK | UNK |
| Plagianis | 10/13/2016 08:40:00 | 10/13/2016 08:37:41 | UNK | D | UNK | UNK | UNK | UNK |
| Prines-Valley | 10/15/2016 08:07:00 | NOT CORRELATED | - | - | - | - | - | - |
| Schrieder | 10/15/2016 19:17:00 | 10/15/2016 19:10:22 | UNK | D | UNK | UNK | UNK | UNK |
| Schrieder | 10/15/2016 19:18:00 | 10/15/2016 19:11:18 | UNK | UNK | UNK | UNK | UNK | UNK |
| Schrieder | 10/16/2016 08:08:00 | NOT CORRELATED | - | - | - | - | - | - |
| Schrieder | 10/16/2016 10:40:01 | 10/16/2016 10:31:22 | 03L | D | N2462G | C206 | - | - |
| Schrieder | 10/16/2016 11:30:15 | 10/16/2016 11:35:56 | 03R | D | N94212 | C210 | - | - |
| Veitch | 10/18/2016 17:05:00 | NOT CORRELATED | - | - | - | - | - | - |
| Veitch | 10/18/2016 19:10:00 | 10/18/2016 19:03:20 | 21L | A | N306B2 | UNK | UNK | UNK |
| Terry | 10/18/2016 19:29:00 | 10/18/2016 19:28:30 | UNK | O | UNK | UNK | UNK | UNK |
| Terry | 10/18/2016 19:30:00 | 10/18/2016 19:29:30 | UNK | D | BE40 | CTF471 | NMS3 | 77.2 |
| Terry | 10/18/2016 20:40:00 | 10/18/2016 20:34:31 | 21R | D | B350 | GAJ848 | NMS3 | 70.4 |
| Terry | 10/18/2016 20:49:00 | NOT CORRELATED | - | - | - | - | - | - |
| Terry | 10/18/2016 20:55:00 | 10/18/2016 20:41:55 | 21L | UNK | UNK | UNK | UNK | UNK |
| Veitch | 10/18/2016 21:00:00 | 10/18/2016 20:50:43 | 21L | A | TBM7 | N50ST | NMS3 | 69.9 |
| Turnage | 10/19/2016 00:59:00 | 10/19/2016 00:56:12 | UNK | D | UNK | UNK | UNK | UNK |

| Name | Offense Reported by Complainant | Correlated Flight Time Recorded | Rwy | Op | AC Type Equip | Flight ID | NMS | Lmax |
|------------|---------------------------------|---------------------------------|-----|-----|---------------|-----------|------|-------|
| Terry | 10/19/2016 18:00:00 | 10/19/2016 17:36:51 | 21R | D | UNK | N996SB | NMS3 | 68.7 |
| Turnage | 10/20/2016 00:55:00 | NOT CORRELATED | - | - | - | - | - | - |
| Mann | 10/20/2016 16:15:02 | 10/20/2016 16:19:02 | 21L | D | UNK | UNK | UNK | UNK |
| Feldman | 10/21/2016 13:00:00 | 10/21/2016 13:02:01 | UNK | UNK | UNK | UNK | UNK | UNK |
| Feldman | 10/22/2016 06:50:46 | NOT CORRELATED | - | - | - | - | - | - |
| Feldman | 10/22/2016 11:10:03 | 10/22/2016 11:06:23 | 34 | D | BTQ901 | PC12 | - | - |
| Feldman | 10/23/2016 02:41:00 | 10/23/2016 02:18:47 | 21L | A | UNK | UNK | UNK | UNK |
| Linzmeyer | 10/23/2016 17:30:00 | 10/23/2016 17:18:45 | 03L | A | UNK | N2482G | - | - |
| Feldman | 10/23/2016 22:07:00 | NOT CORRELATED | - | - | - | - | - | - |
| Fox | 10/24/2016 03:49:00 | 10/24/2016 3:09:07 | UNK | D | GLF4 | N124TF | NMS3 | 82.3 |
| Fox | 10/24/2016 05:55:00 | NOT CORRELATED | - | - | - | - | - | - |
| Fox | 10/24/2016 05:57:00 | NOT CORRELATED | - | - | - | - | - | - |
| Schneeberg | 10/24/2016 07:47:00 | 10/24/2016 07:58:48 | 03L | UNK | N6819J | - | - | - |
| Feldman | 10/24/2016 08:28:00 | 10/24/2016 08:04:05 | 34 | D | N2AQ | UNK | NMS3 | 73.93 |
| Feldman | 10/24/2016 09:08:00 | 10/24/2016 09:08:43 | 03L | A | UNK | UNK | UNK | UNK |
| Kaiser | 10/25/2016 02:22:00 | NOT CORRELATED | - | - | - | - | - | - |
| Terry | 10/25/2016 21:05:00 | NOT CORRELATED | - | - | - | - | - | - |
| Powell | 10/26/2016 15:47:51 | 10/26/2016 15:32:58 | UNK | D | UNK | N827JG | NMS3 | 68.2 |
| Terry | 10/26/2016 23:15:00 | 10/26/2016 23:15:02 | UNK | D | P32R | N423R | - | - |
| Unknown | 10/26/2016 23:20:00 | 10/26/2016 23:25:53 | 21L | D | B350 | N2702S | NMS3 | 76.9 |
| Feldman | 10/29/2016 04:40:00 | NOT CORRELATED | - | - | - | - | - | - |
| Feldman | 10/29/2016 04:41:01 | NOT CORRELATED | - | - | - | - | - | - |
| Anderson | 10/29/2016 14:00:00 | 10/29/2016 14:00:17 | 03R | A | UNK | UNK | NMS3 | 82.7 |
| Floyd | 10/29/2016 18:25:00 | 10/29/2016 18:16:51 | 03L | D | UNK | N6919J | - | - |
| Lovetty | 10/29/2016 20:48:00 | 10/29/2016 20:33:28 | 03R | A | BE36 | N94EM | NMS3 | 72.2 |

| Name | Offense Reported by Complainant | Correlated Flight Time Recorded | Rwy | Op | AC Type Equip | Flight ID | NMS | Lmax |
|---------|---------------------------------|---------------------------------|-----|----|---------------|-----------|------|------|
| Feldman | 10/30/2016 02:34:00 | 10/30/2016 02:00:24 | UNK | D | UNK | N44CH | NMS3 | 68.7 |

Legend:

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

The airport correlated (72) complaints: (21 or 29%) of the noise complaints were found to be **direct** correlations complaints; (34 or 47%) were **indirect** correlations to operations; and (17 or 24%) 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-ups).

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; Approach **D**eparture **O**verflight

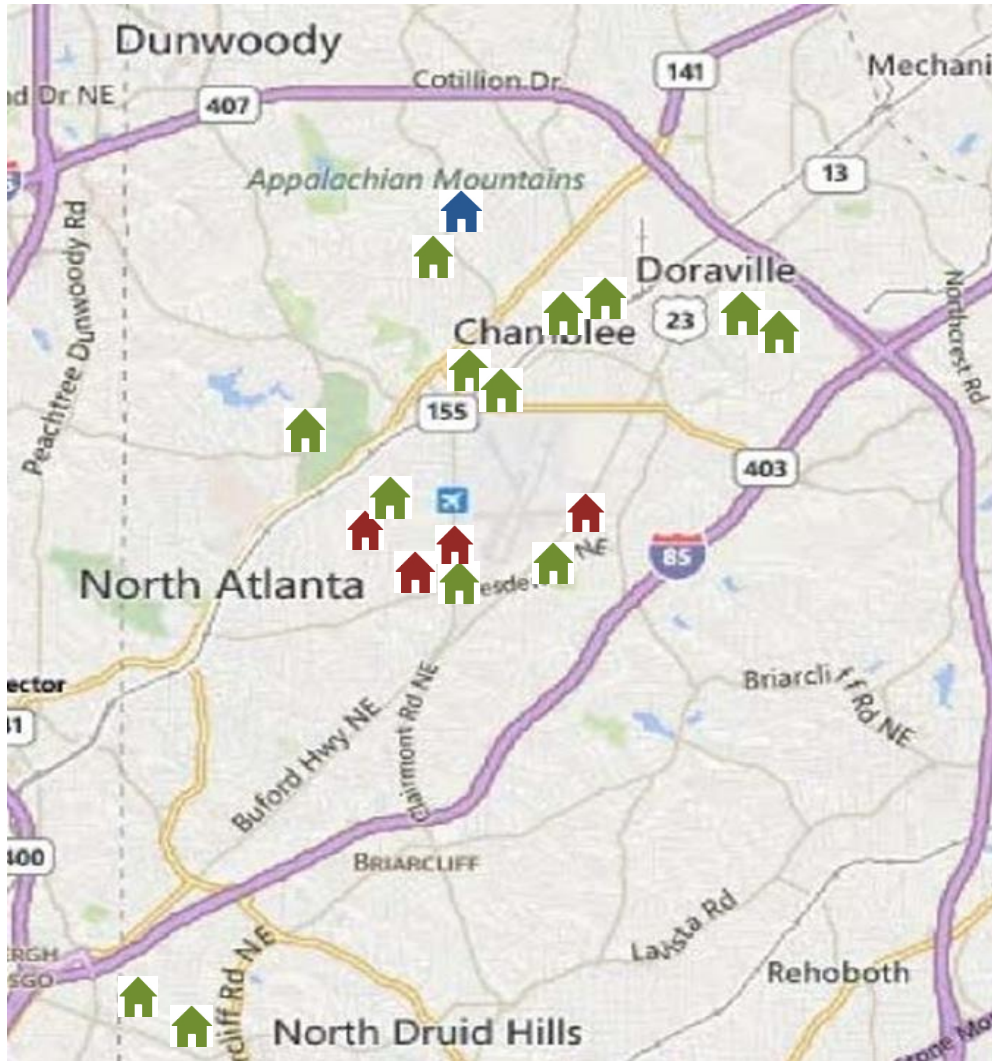
Equip: Type Aircraft




Flight ID: Tail number of aircraft or military call sign

NMS: Noise Monitoring Station

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

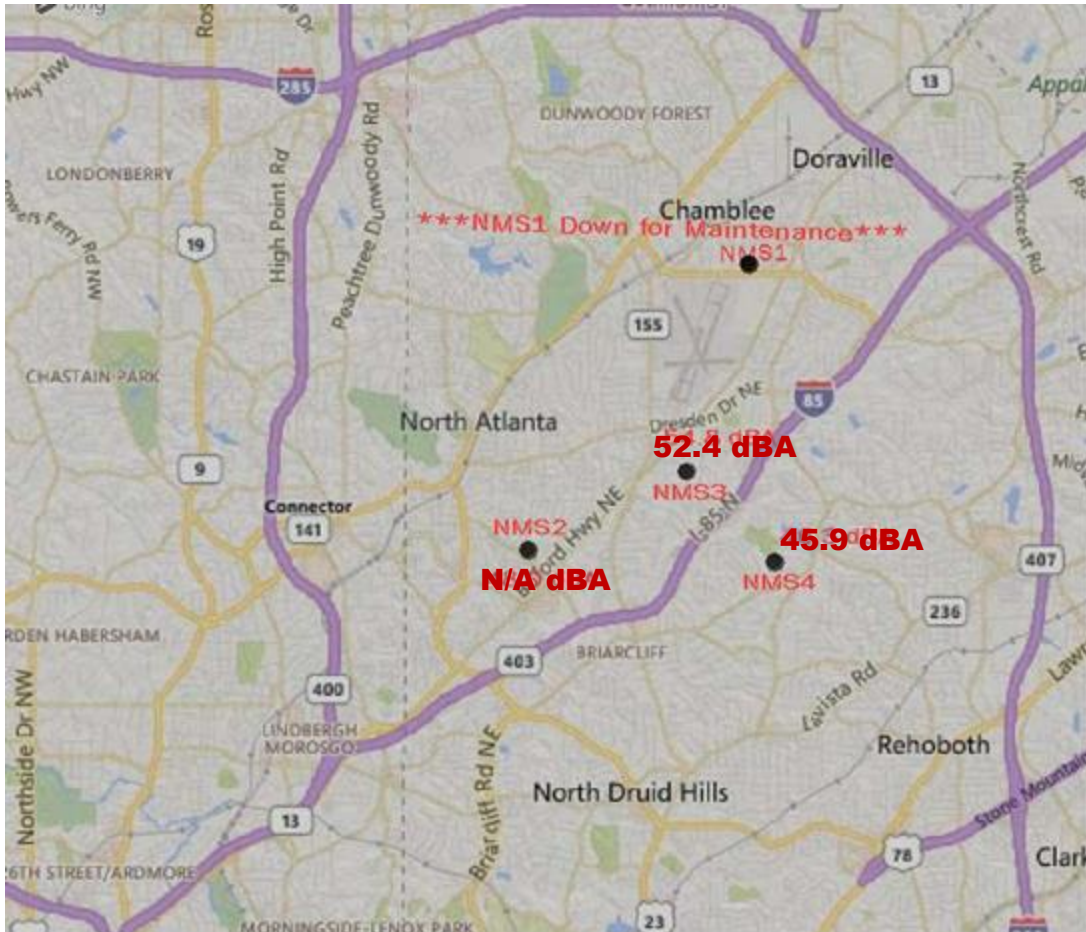
Disturbance Location Pin Map



 $< \text{ or } = 4$  $> \& < 8$  $>$

Total: (Twenty-Four (24) Complainants / with Eighteen (18) known complainants located on pin map)

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.*
- *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:

The airport identified a total of **389 (81%)** of the **478** operations during the voluntary curfew period (*11 PM-6 AM*) during the month of **October 2016**; **298** of the **478** operations were identified as MEDEVAC and/or emergency flights.

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

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

- Operators Identified / Multi-Use:

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

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

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

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

72 complaints were received during **October, 2016**.

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

This Month's – October 2016 (N#'s)

1 Aircraft with 2 Operations (897CW)
4 Aircraft with 3 Operation (112WJ, 376SP, 732WB, **510MG**)
2 Aircraft with 4 Operations (103AV, 8830N)
2 Aircraft with 5 Operations (5208K, 560LC)
1 Aircraft with 4 Operations (626DS)
6 Aircraft with 3 Operations (677ST, 205CM, 891AA, 750CK, 60PC, **897CW**)
2 Aircraft with 6 Operations (411ET, 716TC)

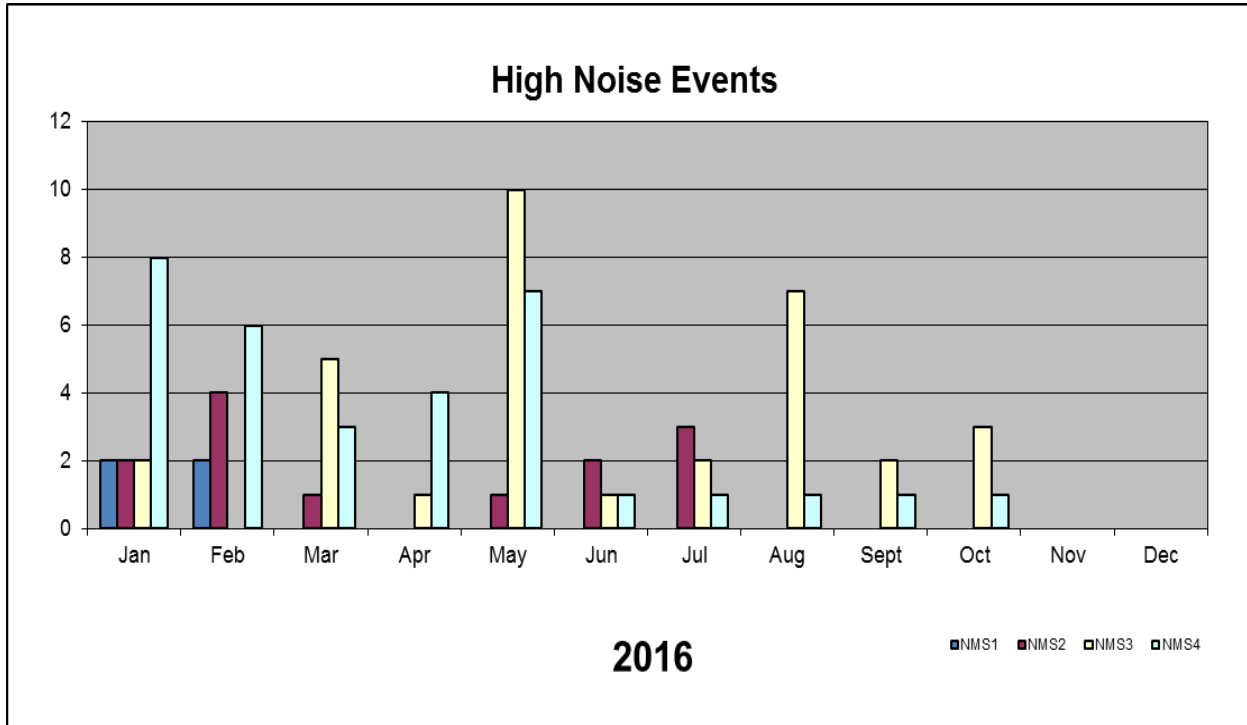
Last Month September 2016 (N #'s)

10 Aircraft with 2 operations (897CW, 90FC, 928CS, 418GJ, 555WZ, 769SD, 750CK, 735XL, **60PC, 203GT**)
3 Aircraft with 2 Operations (112WJ, 510MG, **68DA**)
2 Aircraft with 4 Operations (99VS, **891AA**)
1 Aircraft with 3 Operations (**626DS**)

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 **(0) advisory letter** will be sent this month for aircraft identified as exceeding PDK's high noise event threshold(s).



September (N#s)

2 Aircraft with 1 High Noise Event (UNKNOWN, N894JH)

October (N#s)

3 Aircraft with 0 High Noise Events (N377, N124TF UNKNOWN)

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: 