

MAY 2015



2013/14

AIRCRAFT OPERATIONS COUNTS FOR SELECT AIRPORTS

**HAMMONTON
MUNICIPAL
AIRPORT, NJ**

**LINDEN
AIRPORT, NJ**

**POCONO
MOUNTAINS
MUNICIPAL
AIRPORT, PA**



The Delaware Valley Regional Planning Commission is dedicated to uniting the region's elected officials, planning professionals, and the public with a common vision of making a great region even greater. Shaping the way we live, work, and play, DVRPC builds consensus on improving transportation,

promoting smart growth, protecting the environment, and enhancing the economy. We serve a diverse region of nine counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer in New Jersey. DVRPC is the federally designated Metropolitan Planning Organization for the Greater Philadelphia Region — leading the way to a better future.



The symbol in our logo is adapted from the official DVRPC seal and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole while the

diagonal bar signifies the Delaware River. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey.

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DVRPC fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. DVRPC's website (www.dvrpc.org) may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. For more information, please call (215) 238-2871.

Acknowledgements

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Executive Summary

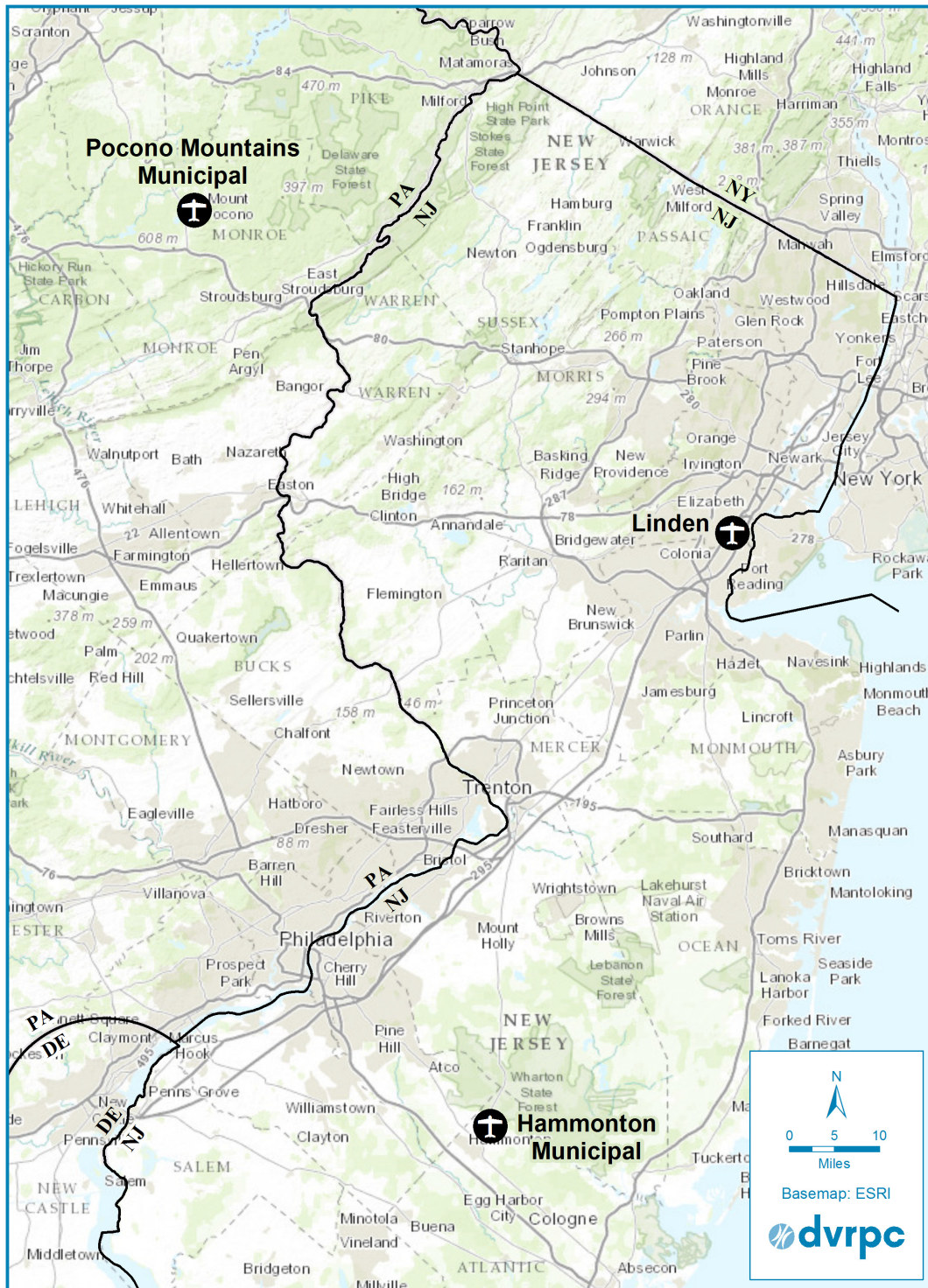
The Delaware Valley Regional Planning Commission (DVRPC) has conducted aircraft operations counts at the non-towered airports in the 12-county, four-state Delaware Valley Regional Airport System Plan area (RASP) since 1986. In 2012, the Federal Aviation Administration (FAA) continued funding this program to include three facilities outside the 12-county RASP planning area. These facilities are Hammonton Municipal Airport in Atlantic County, New Jersey; Linden Airport in Union County, New Jersey; and Pocono Mountains Municipal Airport in Monroe County, Pennsylvania. These three airports were surveyed from April 2013 to March 2014.

This report uses the Larson Davis Acoustic Counter Software to monitor takeoff data at each airport for eight weeks apportioned throughout the year. This data is reviewed and compiled into Airport Activity Reports. The Airport Activity Reports are then used to project seasonal and annual takeoff and landing totals, as estimated by DVRPC counting software, for each surveyed airport during 2013 and 2014.

As this is the first year the DVRPC counting program has operated at these three airports, there are not previous data sets to which these counts can be compared. In addition, the Mid-Atlantic region experienced unusually severe snowfall during the winter of 2013–2014, which can be reasonably assumed to have affected flight operations at these airports.

2013/14 Aircraft Operations Counts for Select Airports

Figure ES-1: Regional map of 2013/14 Select Airports



Annual Operations Summaries

As an integral part of its ongoing aviation planning efforts, the Delaware Valley Regional Planning Commission (DVRPC) has conducted aircraft operations counts at non-towered airports in the 12-county DVRPC aviation planning region since 1986. In 2012, the FAA extended the program to three additional airports: Hammonton Municipal Airport in Atlantic County, New Jersey; Linden Airport in Union County, New Jersey; and Pocono Mountains Municipal Airport in Monroe County Pennsylvania.

The Annual Operations Summaries provide tabular and graphical displays of annual aircraft operations for fixed-wing aircraft, helicopters, and their combined totals (see pp. 4–6). The data is projected based on the daily flight counts collected during eight one-week sampling periods throughout the year.

The following procedure is applied to all counts during the entire program. Eight one-week counting surveys are taken over the course of one year. These counting surveys are scheduled twice each season at four- to six-week intervals for each airport. Keeping the intervals between setting and resetting of the counters at each airport as consistent as possible ensures the most accurate statistical operations estimate. At the start of each interval, a DVRPC staff member selects a location near the airport runway to base an LDL 820 Sound Level Meter. The meter is activated by set minimum noise levels only during aircraft takeoff activity. The data collected is saved to the LDL 820 memory, and the staff member retrieves the meter after each week of counts.

After equipment retrieval, the data is downloaded to the Aircraft Counting System software and then checked manually for event-related errors. The Aircraft Counting System report displays weekly aircraft takeoffs (since most propeller landings are nearly silent) by hour and day for each week counted. Finally, the data is entered into and extrapolated by DVRPC counting formulas, which estimate seasonal and annual total takeoffs and landings.

The winter of 2013–2014 was extremely harsh in Pennsylvania and New Jersey, with many cities in the area recording one of their five snowiest winters. As such, flight activity at these three facilities is likely to have been significantly lower during the winter counts than in years with winter weather more typical to the individual locale. In addition, as this was DVRPC’s first time conducting counting operations at these airports, there is not historical information available for review and comparison.

2013/14 Aircraft Operations Counts for Select Airports

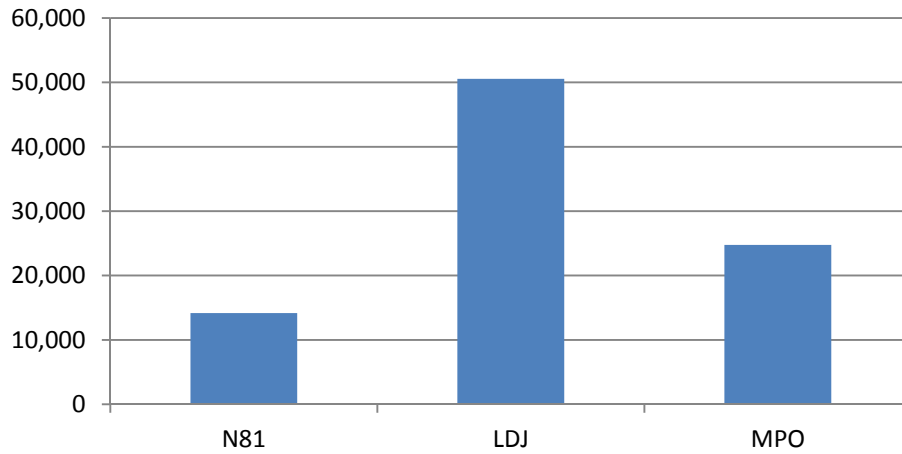
Annual Aircraft Operations

Table 1: 2013/2014 Annual Aircraft Operations Counts

Airport	2013/2014 Operations
Hammonton Municipal Airport (N81)	14,166
Linden Airport (LDJ)	50,559
Pocono Mountains Municipal Airport (MPO)	24,749

Source: DVRPC

Figure 1: 2013/2014 Annual Aircraft Operations Counts



Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

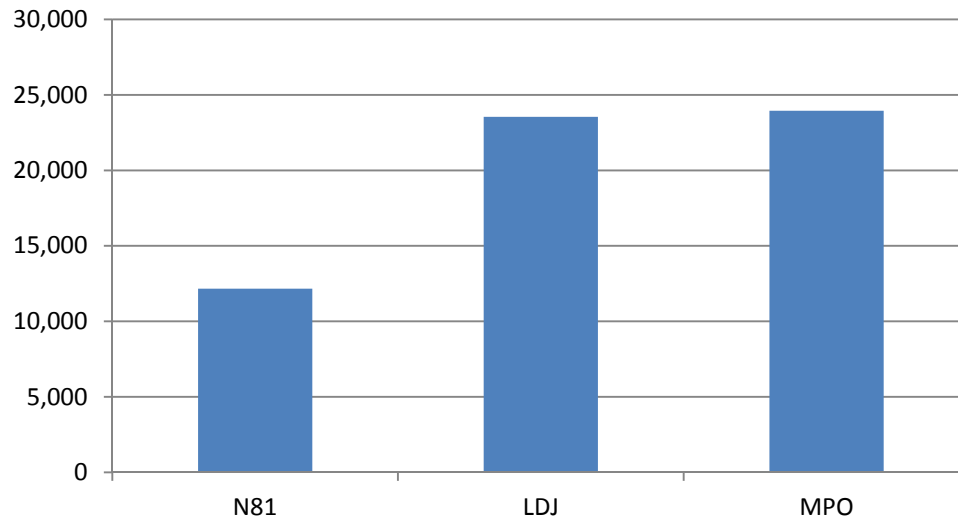
Annual Fixed-Wing Operations

Table 2: 2013/2014 Annual Fixed-Wing Operations Counts

Airport	2013/2014 Operations
Hammonton Municipal Airport (N81)	12,166
Linden Airport (LDJ)	23,551
Pocono Mountains Municipal Airport (MPO)	23,949

Source: DVRPC

Figure 2: 2013/2014 Annual Fixed-Wing Operations Counts



Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

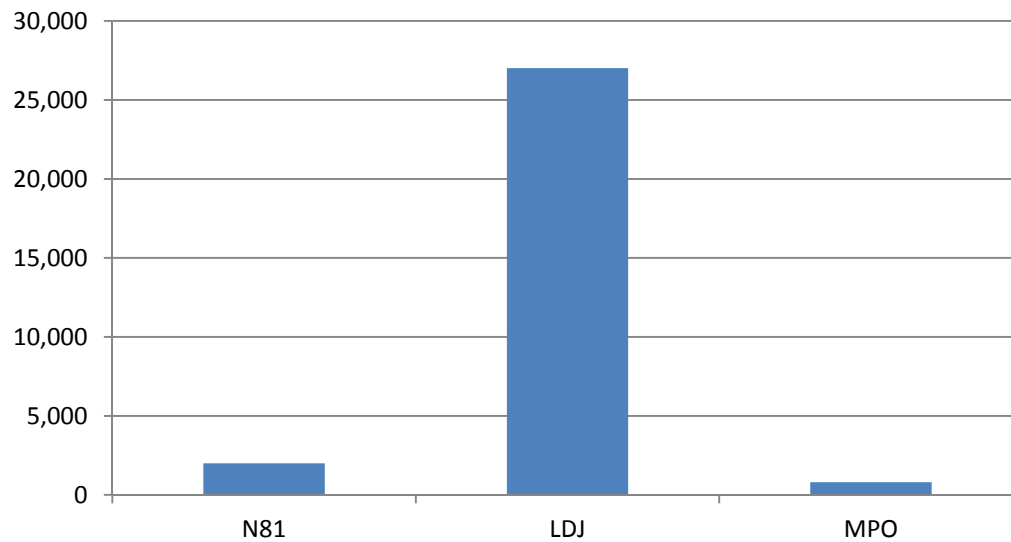
Annual Helicopter Operations

Table 3: 2013/2014 Annual Helicopter Operations Counts

Airport	2013/2014 Operations
Hammonton Municipal Airport (N81)	2,000
Linden Airport (LDJ)	27,008
Pocono Mountains Municipal Airport (MPO)	800

Source: DVRPC

Figure 3: 2013/2014 Annual Helicopter Operations Counts



Source: DVRPC

Airport Activity Reports

This section of the report displays the weekly activity data collected during the eight-week counting surveys conducted for each of the three individual airports. Each airport summary provides a brief narrative along with an inventory of based aircraft. The based aircraft data is provided by airport management; when DVRPC has been unable to obtain this information directly from airport management, we have used data from FAA Form 5010, Airport Master Record, for the particular airport.

Airport activity summaries list estimated annual flight operations and a seasonal operations chart. Daily takeoffs collected from each airport are displayed in spreadsheet format by season, date, and time of day. All weekly activity data pages express only aircraft takeoffs and do not include the landing phase of flight due to the near silence of propeller landings. At the bottom of each weekly activity data page, subtotals of aircraft activity are also expressed as takeoffs only. In the activity summary at the beginning of each Airport Activity Report, takeoffs are converted into estimated annual and seasonal operations, which include takeoffs and landings, by the DVRPC counting software.

Helicopter data is not collected by the Acoustic Counter Software devices but is prorated from the annual estimate given by the airport operator at the completion of the counting cycle, and it is only expressed as a subtotal for each day.

Flight activity at these three facilities is likely to have been significantly affected by the severe winter weather during from December 2013 through March 2014; in fact, DVRPC counting equipment was damaged by snow at both Linden and Pocono Mountains airports. In addition, there is not historical counting information available for review and comparison.

2013/14 Aircraft Operations Counts for Select Airports

Hammonton Municipal Airport (N81)

Atlantic County

Hammonton, NJ 08037

Runway Orientation: 3/21

Runway Length: 3,601 ft.

Table 4: Hammonton Municipal Airport (N81) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	22
Multi-engine	2
Jet	0
Helicopter	2
Glider	0
Total	26

Source: Hammonton Municipal Airport

Hammonton Municipal Airport is a public-use airport located near the town of Hammonton in Atlantic County, New Jersey. This airport has seen growth in recent years with the addition of a New Jersey State Police based medevac helicopter. Staraero Partners Group, which specializes in maintenance, modifications, and restoration of Aerostar type aircraft, has also contributed to business growth at the airport. In addition, Staraero participates as the airport's FBO offering flight instruction, general aircraft maintenance, and fuel sales.

Figure 4: Hammonton Municipal Airport (N81) Aerial Photo



2013/14 Aircraft Operations Counts for Select Airports

DVRPC Aircraft Counting Program

Airport: Hammonton Municipal Airport (N81)

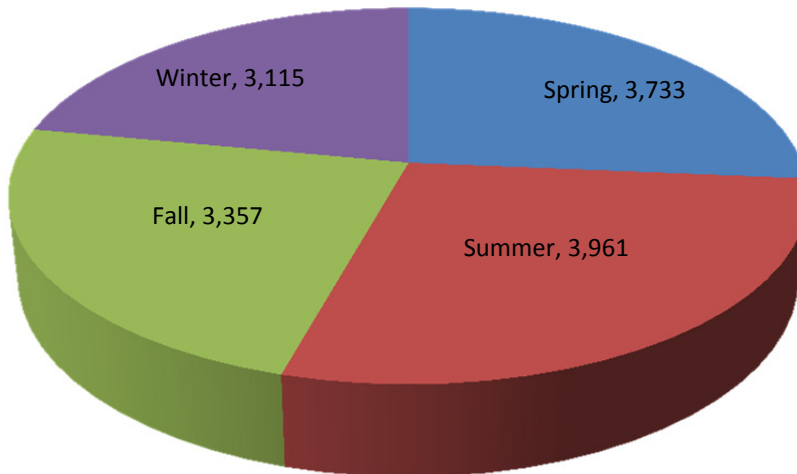
County: Atlantic

Table 5: Hammonton Municipal Airport (N81) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2013	40.14	3,733	26%
Summer	2013	42.14	3,961	28%
Fall	2013	37.71	3,357	24%
Winter	2014	35.00	3,115	22%
Annual Operations:		2013/14	14,166	

Margin of Error: 9.53 at 95% confidence
Source: DVRPC

Figure 5: Hammonton Municipal Airport (N81) Seasonal Summary



Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 24 April 2013–30 April 2013
 N81 Hammonton Municipal Airport
 N81 Spring I 2013

Day->	Wed 24-Apr	Thurs 25-Apr	Fri 26-Apr	Sat 27-Apr	Sun 28-Apr	Mon 29-Apr	Tues 30-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am			1		3	3	3
9 am	2			1	3	1	3
10 am	3	3		1	7	3	1
11 am		1	1	10	2	2	3
12 pm	6	1		1	3		2
1 pm		2	7	3	7	2	
2 pm	3	1		6	1	1	2
3 pm	1	3	1	1	7		1
4 pm	5	2	1	3	6		
5 pm		1	1		1		
6 pm	5	1	1				
7 pm	1			1			
8 pm	1			3			
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	2	4	2	3	0
Total Daily Aircraft Takeoffs	31	19	15	34	42	15	15
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	152						
Total Aircraft Takeoffs	171						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 30 May 2013–5 June 2013
 N81 Hammonton Municipal Airport
 N81 Spring II 2013

Day->	Thurs 30-May	Fri 31-May	Sat 1-Jun	Sun 2-Jun	Mon 3-Jun	Tues 4-Jun	Wed 5-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1					1	
7 am				1			
8 am							1
9 am	2	3	1		1	2	3
10 am			1	2	2		1
11 am			2				
12 pm	1				1		2
1 pm	1			1		1	2
2 pm		4		1			8
3 pm		1					5
4 pm	3				1	1	6
5 pm	1	1	1	1			4
6 pm	3		1	1	2		
7 pm	4		1		1	2	
8 pm	2					1	1
9 pm							
10 pm	1						
11 pm							
Prorated Daily Helio Activity	4	3	2	3	4	2	1
Total Daily Aircraft Takeoffs	23	12	9	10	12	10	34
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	91						
Total Aircraft Takeoffs	110						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 16 July 2013–22 July 2013
 N81 Hammonton Municipal Airport
 N81 Summer I 2013

Day->	Tues 16-Jul	Wed 17-Jul	Thurs 18-Jul	Fri 19-Jul	Sat 20-Jul	Sun 21-Jul	Mon 22-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am	1			2		1	
6 am	2	2	1	1	1	3	
7 am	2		3	1	2	7	
8 am	1				3	2	1
9 am	2	1	1		2	1	2
10 am	3	1		1			11
11 am	1	1					1
12 pm	1		6	1	2	2	1
1 pm	3		1	2		1	1
2 pm	2	1	1	2	1	1	1
3 pm	1		1	1		3	
4 pm	1	2	3			1	
5 pm			3	1		1	
6 pm	1		1		2		3
7 pm	1	2			3		3
8 pm					1		2
9 pm			1		2		
10 pm							
11 pm							
Prorated Daily Helio Activity	3	3	2	1	4	3	3
Total Daily Aircraft Takeoffs	25	13	24	13	23	26	29
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	134						
Total Aircraft Takeoffs	153						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 21 August 2013–27 August 2013
 N81 Hammonton Municipal Airport
 N81 Summer II 2013

Day->	Wed 21-Aug	Thurs 22-Aug	Fri 23-Aug	Sat 24-Aug	Sun 25-Aug	Mon 26-Aug	Tues 27-Aug
12 am							1
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					2		
8 am						1	
9 am				1	1	1	3
10 am	1			1			1
11 am			3		7	1	2
12 pm		3		6	4		2
1 pm		1	1	1	3	4	1
2 pm		6	1	3	1	1	3
3 pm	1		3	1	3		
4 pm	1		1	5	1		
5 pm	2		1	2	5		3
6 pm				1			2
7 pm	5				4		
8 pm	6				2	1	1
9 pm				1			
10 pm			2		2		
11 pm							
Prorated Daily Helio Activity	2	2	3	3	2	3	4
Total Daily Aircraft Takeoffs	18	12	15	25	37	12	23
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	123						
Total Aircraft Takeoffs	142						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 27 September 2013–3 October 2013
 N81 Hammonton Municipal Airport
 N81 Fall I 2013

Day->	Fri 27-Sep	Sat 28-Sep	Sun 29-Sep	Mon 30-Sep	Tues 1-Oct	Wed 2-Oct	Thurs 3-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am						1	
7 am	1		2				
8 am	1				1	4	1
9 am	3	2			1		1
10 am	2	3				5	5
11 am		4					
12 pm	5	2		1	1	1	2
1 pm	1	3	3		1	1	2
2 pm	1	3	2		3	5	1
3 pm	3		6	2	2		5
4 pm			1	5	1	2	1
5 pm	1	1	2	5	2		4
6 pm	1		2	6	1	2	2
7 pm							
8 pm		1					
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	1	3	2	4	3	4	2
Total Daily Aircraft Takeoffs	20	22	20	23	16	25	26
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	133						
Total Aircraft Takeoffs	152						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 15 November 2013–21 November 2013
 N81 Hammonton Municipal Airport
 N81 Fall II 2013

Day->	Fri 15-Nov	Sat 16-Nov	Sun 17-Nov	Mon 18-Nov	Tues 19-Nov	Wed 20-Nov	Thurs 21-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1						
8 am						1	
9 am		1					
10 am		2	1			4	
11 am				1	1		1
12 pm	1	3	4		2		
1 pm	3	2	2		1		1
2 pm	3	6	4	3	1		2
3 pm	2	3	6		4	1	3
4 pm		1	9	2	1	4	1
5 pm	2				1		
6 pm							1
7 pm							
8 pm				1			
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	3	3	2	2	3	2	4
Total Daily Aircraft Takeoffs	15	21	28	9	14	12	13
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	93						
Total Aircraft Takeoffs	112						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 13 January 2014–19 January 2014
 N81 Hammonton Municipal Airport
 N81 Winter I 2014

Day->	Mon 13-Jan	Tues 14-Jan	Wed 15-Jan	Thurs 16-Jan	Fri 17-Jan	Sat 18-Jan	Sun 19-Jan
12 am							
1 am				1			
2 am				1			
3 am							
4 am							
5 am							
6 am							
7 am							
8 am				2			
9 am	2						
10 am	1			1			
11 am	1	1	1	3		2	
12 pm	1		3	2	1	6	6
1 pm	2		2	1		5	1
2 pm	2	2			7	2	4
3 pm	6	3	8		3		2
4 pm	2	1	2	1	1		
5 pm	1	3	1		2		3
6 pm	1	2					
7 pm		1					
8 pm							
9 pm							1
10 pm							
11 pm							
Prorated Daily Helio Activity	3	3	4	2	4	2	1
Total Daily Aircraft Takeoffs	22	16	21	14	18	17	18
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	107						
Total Aircraft Takeoffs	126						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 7 March 2014–13 March 2014
 N81 Hammonton Municipal Airport
 N81 Winter II 2014

Day->	Fri 7-Mar	Sat 8-Mar	Sun 9-Mar	Mon 10-Mar	Tues 11-Mar	Wed 12-Mar	Thurs 13-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am	2						
9 am	3	1		2			2
10 am	1		1		2		1
11 am	1	4	1	2			
12 pm	3	3	3	3	2	1	3
1 pm	2	7	5	2	1		2
2 pm	1	3	1	1	2		
3 pm	2	2	2	1		1	1
4 pm	3		5	2	1		1
5 pm	1		1			2	
6 pm					1	1	
7 pm					1	3	
8 pm							
9 pm		1					
10 pm							
11 pm							
Prorated Daily Helio Activity	2	2	3	4	3	2	3
Total Daily Aircraft Takeoffs	21	23	22	17	13	10	13
Prorated Total Helio Activity	19						
Total Fixed Wing Activity	100						
Total Aircraft Takeoffs	119						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Linden Airport (LDJ)

Union County

Linden, NJ 07036

Runway Orientation: 9/27

Runway Length: 4,140 ft.

Table 6: Linden Airport (LDJ) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	65
Multi-engine	9
Jet	1
Helicopter	16
Glider	0
Total	91

Source: AirNav.com

Linden Airport is located one mile southeast of Linden and is owned by that municipality. The airport is very noisy due to commercial truck traffic and flight activity at nearby Newark International Airport. The adjacent noise makes acoustic sound gathering difficult. During the fall count, two attempts were made to collect data, and both were unsuccessful due to excessive noise; the first fall count was substituted for the second fall count for statistical purposes. Because of extreme snow, during the winter count only one count was successful, and its results were substituted for the missing winter count. This was exacerbated by snowplow operations twice burying DVRPC's counting equipment under snow.

Over half of the flight operations at Linden Airport are by helicopter. They include news and traffic reporting for the New York area, sightseeing operations, police, medevac, and flight instruction. Many of the flight operations are transient operations only stopping for fuel; however, Linden has a large number of based helicopters.

Figure 6: Linden Airport (LDJ) Aerial Photo



2013/14 Aircraft Operations Counts for Select Airports

DVRPC Aircraft Counting Program

Airport: Linden Airport (LDJ)

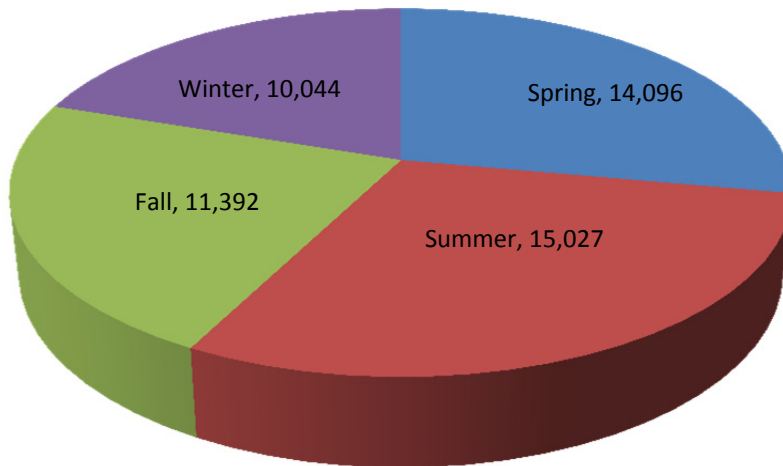
County: Union

Table 7: Linden Airport (LDJ) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2013	151.57	14,096	28%
Summer	2013	159.86	15,027	30%
Fall	2013	128.00	11,392	23%
Winter	2014	112.86	10,044	20%
Annual Operations:		2013/14	50,559	

Margin of Error: 6.02 at 95% confidence
 Source: DVRPC

Figure 7: Linden Airport (LDJ) Seasonal Summary



Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
 LDJ Linden Airport
 LDJ Spring I 2013

For: 27 April 2013–3 May 2013

Day->	Mon 27-Apr	Tues 28-Apr	Wed 29-Apr	Thurs 30-Apr	Fri 1-May	Sat 2-May	Sun 3-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am						1	
6 am							
7 am		1		1	3	1	
8 am	3	3		3	7	1	
9 am	7	3	7	8		3	3
10 am	15	11	9		1	4	1
11 am	7	4	1	1	2	2	
12 pm	10	2		1		5	1
1 pm	4	4			1	3	1
2 pm	13	4	4	1		3	6
3 pm	7	3	1		2	6	8
4 pm	7	2		1	3	4	6
5 pm	10	8	1	5	5		9
6 pm	5	3			2	2	4
7 pm	4	1				2	1
8 pm	3				4	1	1
9 pm		1			2	1	1
10 pm							
11 pm	2				4		
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	134	87	60	58	73	76	80
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	308						
Total Aircraft Takeoffs	568						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
LDJ Linden Airport
LDJ Spring II 2013

For: 12 June 2013–18 June 2013

Day->	Mon 12-Jun	Tues 13-Jun	Wed 14-Jun	Thurs 15-Jun	Fri 16-Jun	Sat 17-Jun	Sun 18-Jun
12 am					1		
1 am				1			
2 am							
3 am							
4 am							
5 am						1	
6 am	1				1	2	1
7 am		1		1		1	
8 am	2	2		1	1	2	1
9 am	1	3	1	7	2	1	1
10 am	4	3	5	6	2	5	2
11 am	5	1	1	8	2	5	1
12 pm	5	4		2	5	1	
1 pm	7	5	3	5	6	1	7
2 pm	2	3	9	1		2	
3 pm	3	1		3	2		1
4 pm				1	2		2
5 pm	1			4	1	1	
6 pm			2	4		1	
7 pm	2			7	3		
8 pm	10		3	8	6		
9 pm	3		1				4
10 pm	3						
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	86	60	62	96	71	60	58
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	233						
Total Aircraft Takeoffs	493						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
 LDJ Linden Airport
 LDJ Summer I 2013

For: 26 July 2013–1 August 2013

Day->	Fri 26-Jul	Sat 27-Jul	Sun 28-Jul	Mon 29-Jul	Tues 30-Jul	Wed 31-Jul	Thurs 1-Aug
12 am							
1 am		1					
2 am							
3 am							
4 am							
5 am				2	3	2	3
6 am	1	1	1	1	1	2	1
7 am	1		3		1		2
8 am	1	2	5		1		2
9 am	5	5	3	5	4		
10 am	3	8	4	9	5	5	2
11 am	2	11	12	2	2	2	1
12 pm	3	14	10	1	2	3	
1 pm	5	6	3	1	4	6	3
2 pm	2	11	6	4	2		
3 pm	1	3	5		6		3
4 pm	3	7	4	2	4	4	
5 pm	4	5	7	10	7	5	1
6 pm	2	1	3	5	4	11	1
7 pm	4	1	1		1	1	2
8 pm	3			1	6	4	
9 pm		2	1		4	1	
10 pm	1						
11 pm				1			
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	78	115	105	81	94	83	59
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	355						
Total Aircraft Takeoffs	615						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
LDJ Linden Airport
LDJ Summer II 2013

For: 13 September 2013–19 September 2013

Day->	Fri 13-Sep	Sat 14-Sep	Sun 15-Sep	Mon 16-Sep	Tues 17-Sep	Wed 18-Sep	Thurs 19-Sep
12 am						1	
1 am					1		
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	1				1	1	2
8 am	2	3	2		4		1
9 am	5	3	2	4		3	3
10 am	3	2	10	6		3	2
11 am	2	2	3	1	3	3	2
12 pm	2	1	4	1	3	5	2
1 pm	3	1	8	4	1		2
2 pm	2	3	3	6	2	1	
3 pm		5	6	6	2	3	4
4 pm		1	8	2	9	1	1
5 pm	1	1	8	1			4
6 pm		3		1	2	1	7
7 pm	8	3	2				7
8 pm	1	1	5				
9 pm	1		1	1			
10 pm							1
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	69	66	99	70	65	59	76
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	244						
Total Aircraft Takeoffs	504						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
LDJ Linden Airport
LDJ Fall I 2013

For: 2 November 2013–8 November 2013

Day->	Sat 2-Nov	Sun 3-Nov	Mon 4-Nov	Tues 5-Nov	Wed 6-Nov	Thurs 7-Nov	Fri 8-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am		1					
6 am	1						1
7 am	3			1	1		2
8 am	10	1	3	5	1		1
9 am	2	4		2			1
10 am	4	1	3	3	1		1
11 am	4		1	5		1	2
12 pm	2	1		2	6	5	
1 pm	7		2	1	1		
2 pm	8		2		9	5	1
3 pm	11	10	2	2	9	2	1
4 pm	6	2	1	1			
5 pm	3	2	1	3	1		
6 pm	1	3		3			
7 pm	1	1		1			1
8 pm	1						1
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	101	63	52	66	66	50	50
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	188						
Total Aircraft Takeoffs	448						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
LDJ Linden Airport
LDJ Fall II 2013

For: 2 November 2013–8 November 2013

Day->	Sat 2-Nov	Sun 3-Nov	Mon 4-Nov	Tues 5-Nov	Wed 6-Nov	Thurs 7-Nov	Fri 8-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am		1					
6 am	1						1
7 am	3			1	1		2
8 am	10	1	3	5	1		1
9 am	2	4		2			1
10 am	4	1	3	3	1		1
11 am	4		1	5		1	2
12 pm	2	1		2	6	5	
1 pm	7		2	1	1		
2 pm	8		2		9	5	1
3 pm	11	10	2	2	9	2	1
4 pm	6	2	1	1			
5 pm	3	2	1	3	1		
6 pm	1	3		3			
7 pm	1	1		1			1
8 pm	1						1
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	101	63	52	66	66	50	50
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	188						
Total Aircraft Takeoffs	448						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
 LDJ Linden Airport
 LDJ Winter I 2014

For: 25 February 2014–3 March 2014

Day->	Tues 25-Feb	Wed 26-Feb	Thurs 27-Feb	Fri 28-Feb	Sat 1-Mar	Sun 2-Mar	Mon 3-Mar
12 am			1				
1 am							
2 am							
3 am							
4 am							
5 am	2			2			
6 am	1	1	1	1			1
7 am							3
8 am	2			1			2
9 am			3	2	1		
10 am	9			1	2	2	1
11 am	4				4		2
12 pm	1	1	5		5		
1 pm	3	3	3	1	6	1	
2 pm		1			9	3	
3 pm	2			5	3		3
4 pm	1	2	2	2	4	1	1
5 pm	3			1	1	3	
6 pm			1	3		2	
7 pm		1				1	
8 pm				1			
9 pm				1			
10 pm							
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	65	46	53	58	72	50	51
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	135						
Total Aircraft Takeoffs	395						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report
LDJ Linden Airport
LDJ Winter II 2014

For: 25 February 2014–3 March 2014

Day->	Tues 25-Feb	Wed 26-Feb	Thurs 27-Feb	Fri 28-Feb	Sat 1-Mar	Sun 2-Mar	Mon 3-Mar
12 am			1				
1 am							
2 am							
3 am							
4 am							
5 am	2			2			
6 am	1	1	1	1			1
7 am							3
8 am	2			1			2
9 am			3	2	1		
10 am	9			1	2	2	1
11 am	4				4		2
12 pm	1	1	5		5		
1 pm	3	3	3	1	6	1	
2 pm		1			9	3	
3 pm	2			5	3		3
4 pm	1	2	2	2	4	1	1
5 pm	3			1	1	3	
6 pm			1	3		2	
7 pm		1				1	
8 pm				1			
9 pm				1			
10 pm							
11 pm							
Prorated Daily Helio Activity	37	37	37	37	37	37	38
Total Daily Aircraft Takeoffs	65	46	53	58	72	50	51
Prorated Total Helio Activity	260						
Total Fixed Wing Activity	135						
Total Aircraft Takeoffs	395						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Pocono Mountains Municipal Airport (MPO)

Monroe County

Mount Pocono, PA 18344

Runway Orientation: 13/31

Runway Orientation: 5/23

Runway Length: 5,001 ft.

Runway Length: 4,000 ft.

Table 8: Pocono Mountains Municipal Airport (MPO) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	28
Multi-engine	6
Jet	2
Helicopter	2
Glider	0
Total	38

Source: Pocono Mountains Airport

Pocono Mountains Municipal Airport is a public airport located two miles northwest of Mount Pocono, in Monroe County, Pennsylvania. It is owned by the Pocono Mountains Municipal Airport Authority.

Extreme snow conditions and snow removal operations damaged DVRPC's counting equipment and prevented the completion of two data collection attempts. The closest collected data was duplicated and substituted for statistical purposes.

Pocono Mountains has a full service FBO that offers complete aircraft maintenance, aircraft rentals, and flight instruction for both fixed wing and helicopters. Many of the flight operations are transient aircraft operations to nearby corporate offices, the Mount Airy Casino, and other nearby resorts. Pocono Mountains Municipal Airport completed the construction of two large community hangars during this counting period, increasing the ability to accommodate overnight visiting aircraft in hangars.

Figure 8: Pocono Mountains Municipal Airport (MPO) Aerial Photo



2013/14 Aircraft Operations Counts for Select Airports

DVRPC Aircraft Counting Program

Airport: Pocono Mountains Municipal (MPO)

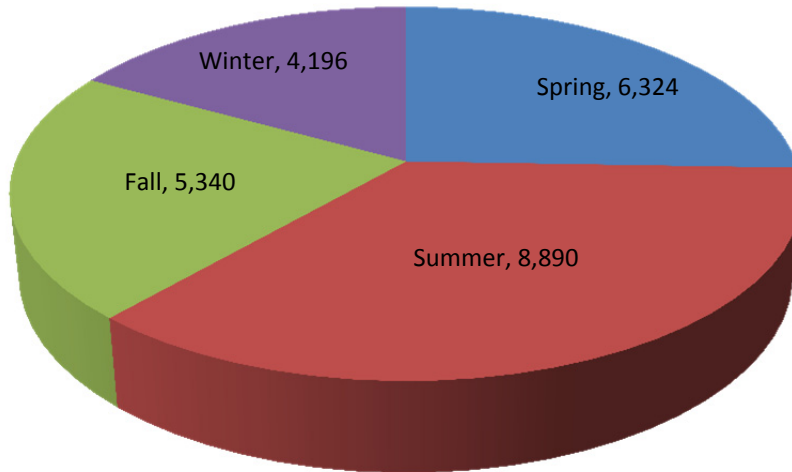
County: Monroe

Table 9: Pocono Mountains Municipal (MPO) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2013	68.00	6,324	26%
Summer	2013	94.57	8,890	36%
Fall	2013	60.00	5,340	22%
Winter	2014	47.14	4,196	17%
Annual Operations:		2013/14	24,749	

Margin of Error: 10.23 at 95% confidence
 Source: DVRPC

Figure 9: Pocono Mountains Municipal Airport (MPO) Seasonal Summary



Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 2 May 2013–8 May 2013
MPO Pocono Mountains Municipal Airport
MPO Spring I 2013
RW 5/23 & 13/31

Day->	Thurs 2-May	Fri 3-May	Sat 4-May	Sun 5-May	Mon 6-May	Tues 7-May	Wed 8-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		1					
9 am	1		3	1		2	
10 am	5	2	7	2			
11 am	3	8	8	7			1
12 pm	2	3	2				3
1 pm	8	1	1	5		1	1
2 pm	9	1	10	5		1	
3 pm	10	1	6		6	1	1
4 pm		2	9	7	2	1	3
5 pm	2	3	3	2	2	4	2
6 pm	2	1	4	2	4	2	5
7 pm	3	1	3			5	2
8 pm	2				1		1
9 pm	1	1	1		1		
10 pm		1	1				
11 pm							
Prorated Daily Helio Activity	2	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	50	27	59	32	17	18	20
Prorated Total Helio Activity	8						
Total Fixed Wing Activity	215						
Total Aircraft Takeoffs	223						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 29 May 2013–4 June 2013
MPO Pocono Mountains Municipal Airport
MPO Spring II 2013
RW 5/23 & 13/31

Day->	Wed 29-May	Thurs 30-May	Fri 31-May	Sat 1-Jun	Sun 2-Jun	Mon 3-Jun	Tues 4-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1	2		1	1
7 am							1
8 am			1		1		1
9 am	1	1	4	1	3	1	
10 am	3	4	6	8	1		1
11 am	5	3	1	6	8		1
12 pm	1	1	4	3	5		1
1 pm	2	13	1	6	2	4	2
2 pm	7	8	2	4	2	7	
3 pm		2	2	5	1	4	2
4 pm	1	1	1	2			2
5 pm	3	1	3	3		2	
6 pm	7	15	9	1		8	9
7 pm		8	1				6
8 pm		1	1				1
9 pm		1					
10 pm							
11 pm							
Prorated Daily Helio Activity	2	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	32	60	38	42	24	28	29
Prorated Total Helio Activity	8						
Total Fixed Wing Activity	245						
Total Aircraft Takeoffs	253						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 13 July 2013–19 July 2013
MPO Pocono Mountains Municipal Airport
MPO Summer I 2013
RW 5/23 & 13/31

Day->	Sat 13-Jul	Sun 14-Jul	Mon 15-Jul	Tues 16-Jul	Wed 17-Jul	Thurs 18-Jul	Fri 19-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							2
6 am			1				
7 am	1		1				1
8 am	2	1	2	2	2		2
9 am	1	2	3	5	3	2	3
10 am	2	1	2	1	1	2	3
11 am	7	6	3	6	1	4	4
12 pm	2	6		2	3	2	2
1 pm	1	12	3		2	2	3
2 pm		4	14	3	1	1	3
3 pm		6		6	6	2	6
4 pm		8	5	6	10	1	8
5 pm		10	8	1	3	5	2
6 pm	1		10	9		11	3
7 pm		1	3	5		7	3
8 pm			5	1	2		2
9 pm		1		2			
10 pm							
11 pm				4			
Prorated Daily Helio Activity	2	1	2	2	2	1	2
Total Daily Aircraft Takeoffs	19	59	62	55	36	40	49
Prorated Total Helio Activity	12						
Total Fixed Wing Activity	308						
Total Aircraft Takeoffs	320						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 3 September 2013–9 September 2013
MPO Pocono Mountains Municipal Airport
MPO Summer II 2013
RW 5/23 & 13/31

Day->	Tues 3-Sep	Wed 4-Sep	Thurs 5-Sep	Fri 6-Sep	Sat 7-Sep	Sun 8-Sep	Mon 9-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							1
6 am					1		
7 am	1	1					
8 am	3	2	1	1	1	1	2
9 am	3	1	3		1	3	5
10 am	3	2	3	1	8	2	2
11 am	5	6	8	5	3	7	4
12 pm	4	4	4	6	14	9	7
1 pm	1	2	2	8	12	7	4
2 pm	6	4	3	3	7	4	
3 pm	1	4	2	7	15	5	4
4 pm	1	1	1	10	8	9	1
5 pm		5	2	7	6	7	4
6 pm		3	2	2		1	4
7 pm						3	1
8 pm		3		2		2	
9 pm	2	1					
10 pm	1						1
11 pm				1			
Prorated Daily Helio Activity	2	1	2	2	2	1	2
Total Daily Aircraft Takeoffs	33	40	33	55	78	61	42
Prorated Total Helio Activity	12						
Total Fixed Wing Activity	330						
Total Aircraft Takeoffs	342						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 9 October 2013–15 October 2013
MPO Pocono Mountains Municipal Airport
MPO Fall I 2013
RW 5/23 & 13/31

Day->	Wed 9-Oct	Thurs 10-Oct	Fri 11-Oct	Sat 12-Oct	Sun 13-Oct	Mon 14-Oct	Tues 15-Oct
12 am							
1 am		1					
2 am							
3 am							
4 am							
5 am							
6 am						1	
7 am				2			1
8 am	2			2		2	
9 am	1	1	1	1	1	2	
10 am	2	3	1	2	7	4	1
11 am	3	6	2	1	7	4	3
12 pm	5	3	1	5	2	4	10
1 pm	3	1	3	2	5	7	1
2 pm	1	4	3	4	9	10	1
3 pm	1	3	2	2	5	4	8
4 pm	7	3	1	1	4	3	1
5 pm	3	1	3	3	3	4	4
6 pm			3	1	1	4	2
7 pm	4	2				1	1
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	2	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	34	29	21	27	45	51	34
Prorated Total Helio Activity	8						
Total Fixed Wing Activity	233						
Total Aircraft Takeoffs	241						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 12 December 2013–18 December 2013
MPO Pocono Mountains Municipal Airport
MPO Fall II 2013
RW 5/23 & 13/31

Day->	Thurs 12-Dec	Fri 13-Dec	Sat 14-Dec	Sun 15-Dec	Mon 16-Dec	Tues 17-Dec	Wed 18-Dec
12 am							
1 am			1				
2 am							
3 am							
4 am							
5 am							
6 am					1		1
7 am			3	1	1		1
8 am	1		1	3		1	3
9 am	2	1	2	1	1	2	
10 am	2	2	2	3	1	3	2
11 am	1	3	3	1	1	5	3
12 pm	4	1	1	1	3	1	1
1 pm	2	8	5	3	5	1	3
2 pm	3	3	3	5	2	3	1
3 pm	2	3	1	3	1	2	3
4 pm	5	5	3	2	2	2	1
5 pm		3	3	3			
6 pm	1	2	1	2			1
7 pm							
8 pm				1			
9 pm	1						
10 pm							
11 pm							
Prorated Daily Helio Activity	2	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	26	32	30	30	19	21	21
Prorated Total Helio Activity	8						
Total Fixed Wing Activity	171						
Total Aircraft Takeoffs	179						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 31 January 2014 to 6 February 2014
MPO Pocono Mountains Municipal Airport
MPO Winter I 2014
RW 5/23 & 13/31

Day->	Fri 31-Jan	Sat 1-Feb	Sun 2-Feb	Mon 3-Feb	Tues 4-Feb	Wed 5-Feb	Thurs 6-Feb
12 am							
1 am							
2 am							
3 am							
4 am							1
5 am					1		
6 am							
7 am							1
8 am	2	1		2		2	
9 am	1	3	1	2	1	3	
10 am	4	3	3	1		2	1
11 am	1	15	3	1	1	3	
12 pm	3	10	3	1		2	
1 pm	2	8	4		1	2	
2 pm	1	7	3		3	1	5
3 pm	5	5	1	1	4	2	3
4 pm	1	5		7	4		1
5 pm	3						1
6 pm							
7 pm							1
8 pm					2		
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity		1		1		1	1
Total Daily Aircraft Takeoffs	23	58	18	16	17	18	15
Prorated Total Helio Activity	4						
Total Fixed Wing Activity	161						
Total Aircraft Takeoffs	165						

Source: DVRPC

2013/14 Aircraft Operations Counts for Select Airports

Weekly Activity Report For: 31 January 2014 to 6 February 2014
MPO Pocono Mountains Municipal Airport
MPO Winter II 2014
RW 5/23 & 13/31

Day->	Fri 31-Jan	Sat 1-Feb	Sun 2-Feb	Mon 3-Feb	Tues 4-Feb	Wed 5-Feb	Thurs 6-Feb
12 am							
1 am							
2 am							
3 am							
4 am							1
5 am					1		
6 am							
7 am							1
8 am	2	1		2		2	
9 am	1	3	1	2	1	3	
10 am	4	3	3	1		2	1
11 am	1	15	3	1	1	3	
12 pm	3	10	3	1		2	
1 pm	2	8	4		1	2	
2 pm	1	7	3		3	1	5
3 pm	5	5	1	1	4	2	3
4 pm	1	5		7	4		1
5 pm	3						1
6 pm							
7 pm							1
8 pm					2		
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity		1		1		1	1
Total Daily Aircraft Takeoffs	23	58	18	16	17	18	15
Prorated Total Helio Activity	4						
Total Fixed Wing Activity	161						
Total Aircraft Takeoffs	165						

Source: DVRPC

Publication Title: 2013/14 Aircraft Operations Counts for Select Airports

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Geographic Area Covered: Atlantic County, New Jersey; Union County, New Jersey; Monroe County, Pennsylvania.

Key Words: Aircraft operations, helicopter operations, airports, fixed-wing airplane, rotorcraft, takeoffs, landings, count, activity, estimate, seasonal, annual, acoustic counter, based aircraft, runway length.

Abstract: This technical report presents aircraft operations estimates for three non-towered airports. Eight acoustic counts were taken at each airport, starting in April 2013 and ending in March 2014; each sample covered seven continuous days. The samples were extrapolated over the entire year, and the results are presented in this report. Results are used by multiple sources to monitor aircraft activity levels and as a base for planning and forecasting documents.

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