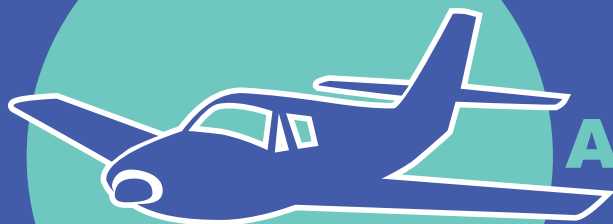




**JUNE 2016**



# **2014/15**

## **AIRCRAFT OPERATIONS COUNTING PROGRAM**

**BRANDYWINE  
CHESTER COUNTY  
FLYING W  
NEW GARDEN  
SOUTH JERSEY  
SUMMIT**



*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.

DVRPC is funded by a variety of funding sources including federal grants from the U.S. Department of Transportation's Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC's state and local member governments. The authors, however, are solely responsible for the findings and conclusions herein, which may not represent the official views or policies of the funding agencies.

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](http://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) 592-1800.

### **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 (see figure ES-1). In 2013, the Federal Aviation Administration (FAA) continued funding this program to include six of the 20 non-towered facilities (all general aviation airports and all reliever airports, except Northeast Philadelphia, are non-towered). From April 2014 to March 2015, the following airports were surveyed: Brandywine, Chester County, and New Garden in Pennsylvania; Flying W and South Jersey Regional in New Jersey; and Summit Airport in Delaware.

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 2014/15.

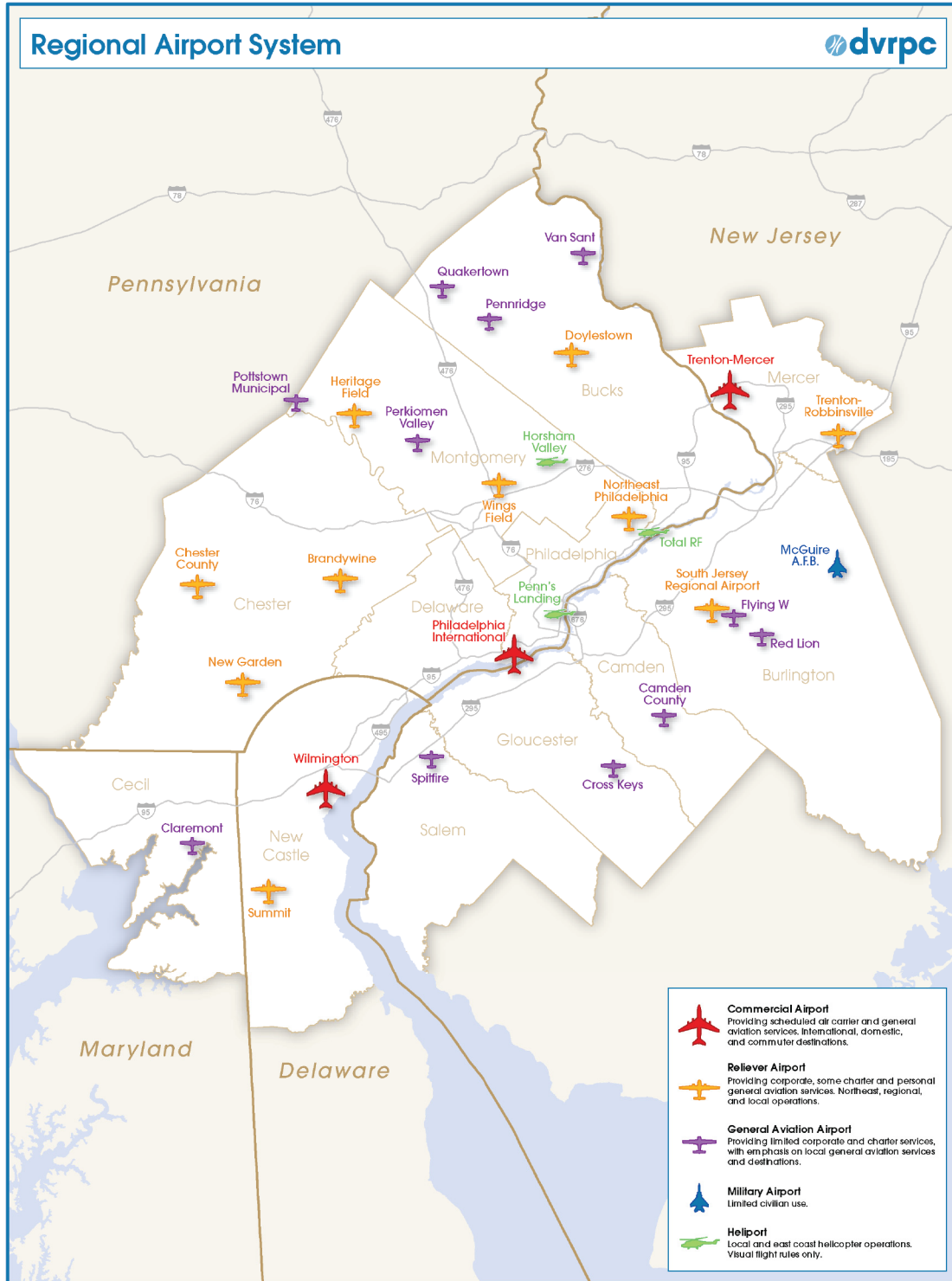
In the 2014/15 counting period, there were 204,674 annual aircraft operations estimated for the six regional airports. The DVRPC report for the same six airports in the previous counting programs had 211,653 annual aircraft operations, which indicates a 3 percent decrease in total operations over the previous periods. The decrease was primarily the result of continual high aviation fuel charges, national economic conditions, and a decline in training operations for new pilots.

Historically DVRPC counted airports in three fixed sets of airports, cycling one set each year in the series. Each counting period could have an airport counted out of sequence, at the request of our sponsors, but this was a rare event and the airport selected usually went back into its normal sequence for the next count. However, with the change in the FAA only funding the counting of National Plan of Integrated Airport Systems airports, we have had to drop counting of many of our RASP airports and reset the counting sequence for the remaining airports. This has resulted in comparisons between current and previous counts from different years in the same cycle set.

Historic counting data since 1986 is available through the DVRPC Office of Freight and Aviation Planning website at [www.dvrpc.org/Aviation/AircraftTrafficCounts/](http://www.dvrpc.org/Aviation/AircraftTrafficCounts/).

2014/15 Aircraft Operations Counting Program

Figure ES-1: Delaware Valley Regional Airport System



## Annual Operations Summaries

As an integral part of its ongoing aviation planning efforts, DVRPC has conducted aircraft operations counts at non-towered airports in the region since 1986. In 2013, the FAA continued funding this program to include six of 20 non-towered DVRPC facilities. From April 2014 to March 2015, the following airports were surveyed: Brandywine, Chester County, and New Garden in Pennsylvania; Flying W and South Jersey Regional in New Jersey; and Summit Airport in Delaware.

The Annual Operations Summaries provide tabular and graphical displays of annual aircraft operations for fixed-wing aircraft, helicopters, and their combined totals (see Tables 1-3 and Figures 1-3). 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 a loudness discomfort level (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.

In the 2014/15 counting period, there were 204,674 annual aircraft operations estimated for the six regional airports. The DVRPC report for the same six airports in the previous counting programs had 211,653 annual aircraft operations, which indicates a 3 percent decrease in total operations over the previous periods. The decrease was primarily the result of continual high aviation fuel charges, national economic conditions, and a decline in training operations for new pilots.

**2014/15 Aircraft Operations Counting Program**

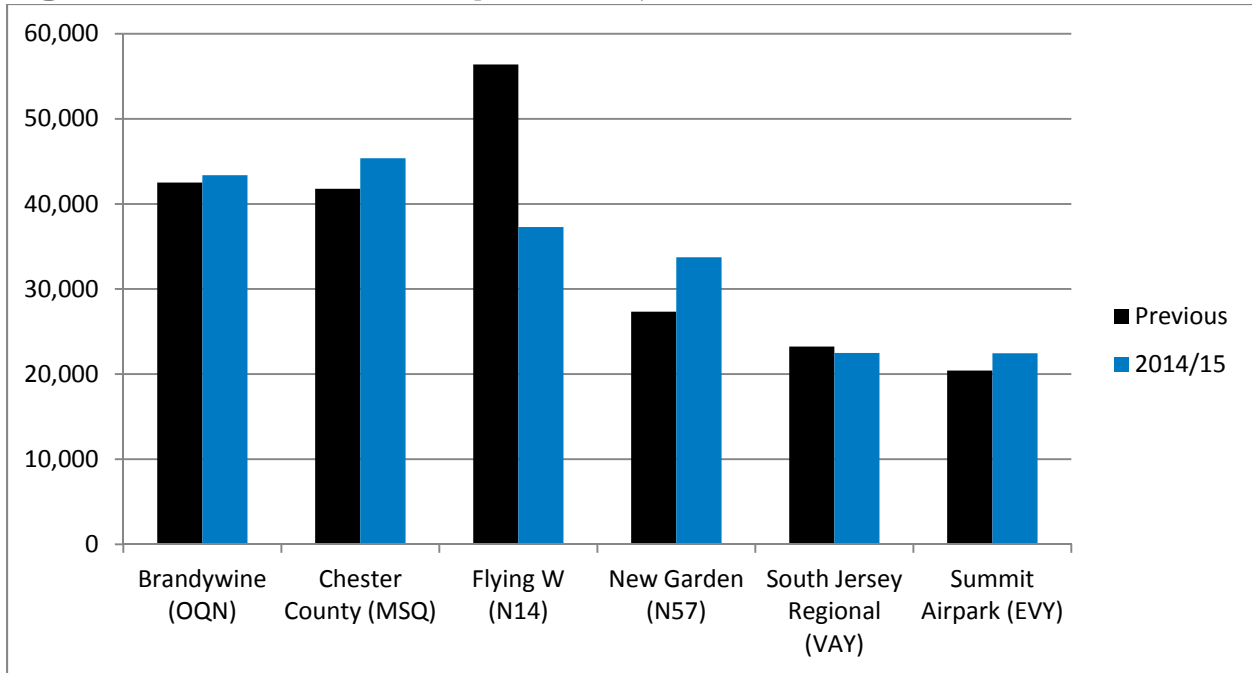
Annual Aircraft Operations

**Table 1: Annual Aircraft Operations, Previous Count vs. 2014/15 Count**

Airport	Previous Operations	2014/15 Operations	Absolute Change	Percent Change
Brandywine (OQN)	42,521	43,373	852	2
Chester County (MSQ)	41,774	45,362	3,588	9
Flying W (N14)	56,389	37,282	-19,107	-34
New Garden (N57)	27,331	33,728	6,397	23
South Jersey Regional (VAY)	23,229	22,490	-739	-3
Summit Airport (EVY)	20,409	22,439	2,030	10
<b>Total Operations</b>	<b>211,653</b>	<b>204,674</b>	<b>-6,979</b>	<b>-3</b>

Source: DVRPC

**Figure 1: Annual Aircraft Operations, Previous Count vs. 2014/15 Count**



Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

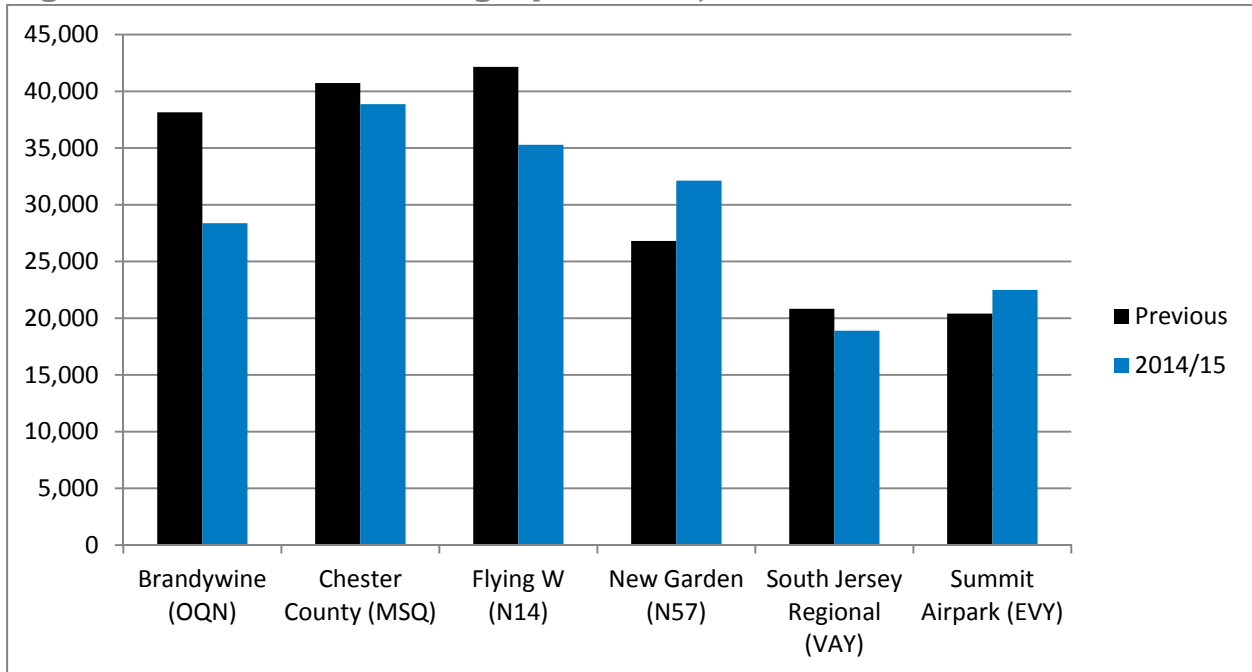
### Annual Fixed Wing Operations

**Table 2: Annual Fixed Wing Operations, Previous Count vs. 2014/15 Count**

Airport	Previous Operations	2014/15 Operations	Absolute Change	Percent Change
Brandywine (OQN)	38,141	28,373	-9,768	-26
Chester County (MSQ)	40,734	38,870	-1,864	-5
Flying W (N14)	42,149	35,282	-6,867	-16
New Garden (N57)	26,811	32,128	5,317	20
South Jersey Regional (VAY)	20,829	18,890	-1,939	-9
Summit Airport (EVY)	20,409	22,490	2,081	10
<b>Total Operations</b>	<b>189,073</b>	<b>176,033</b>	<b>-13,040</b>	<b>-7</b>

Source: DVRPC

**Figure 2: Annual Fixed Wing Operations, Previous Count vs. 2014/15 Count**



Source: DVRPC

**2014/15 Aircraft Operations Counting Program**

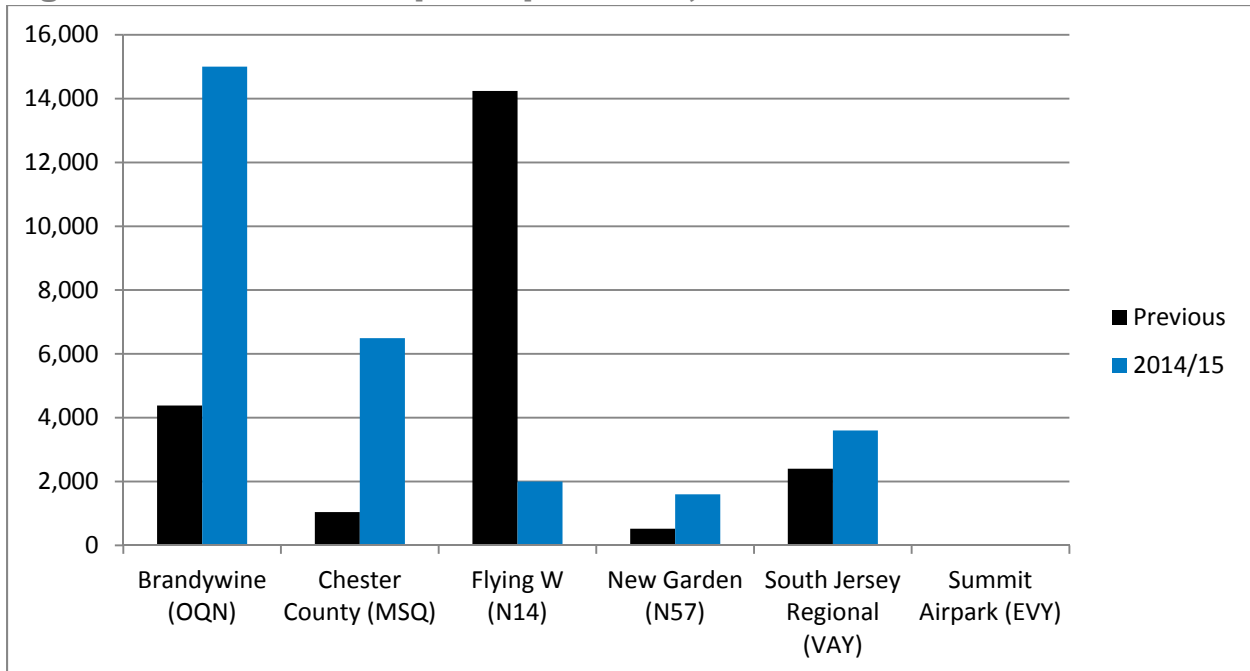
**Annual Helicopter Operations**

**Table 3: Annual Helicopter Operations, Previous Count vs. 2014/15 Count**

Airport	Previous Operations	2014/15 Operations	Absolute Change	Percent Change
Brandywine (OQN)	4,380	15,000	10,620	242
Chester County (MSQ)	1,040	6,492	5,452	524
Flying W (N14)	14,240	2,000	-12,240	-86
New Garden (N57)	520	1,600	1,080	208
South Jersey Regional (VAY)	2,400	3,600	1,200	50
Summit Airport (EVY)	N/A	N/A	N/A	N/A
<b>Total Operations</b>	<b>22,580</b>	<b>28,692</b>	<b>6,112</b>	<b>27</b>

Source: DVRPC

**Figure 3: Annual Helicopter Operations, Previous Count vs. 2014/15 Count**



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 six 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, available on AirNav.com 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. Summit Aviation has chosen not to release its helicopter data, and so zero is the reported number used for the report. In previous years Summit Aviation has also made the same choice in not responding.

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**2014/15 Aircraft Operations Counting Program**

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**Brandywine Airport (OQN)**

**Chester County**

**West Chester, PA 19380**

Runway Orientation: 9/27

Runway Length: 3,347 ft.

**Table 4: Brandywine Airport (OQN) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	108
Multi-Engine	8
Jet	0
Helicopter	11
Glider	0
Total	127

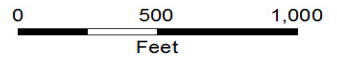
Source: Brandywine Airport

Brandywine Airport is a privately owned, public-use airport located in Chester County along the Route 202 business corridor. Traffic at Brandywine Airport increased 2 percent since the previous count in 2010/11. This increase in operations is considered statistically even with previous reported data. In this period of high aviation fuel costs and a decline in the overall pilot population, Brandywine Airport has been able to maintain flight operations at previous levels.

Figure 4: Brandywine Airport (OQN) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015



**2014/15 Aircraft Operations Counting Program**

**DVRPC Aircraft Counting Program**

Airport: Brandywine Airport (OQN)

County: Chester

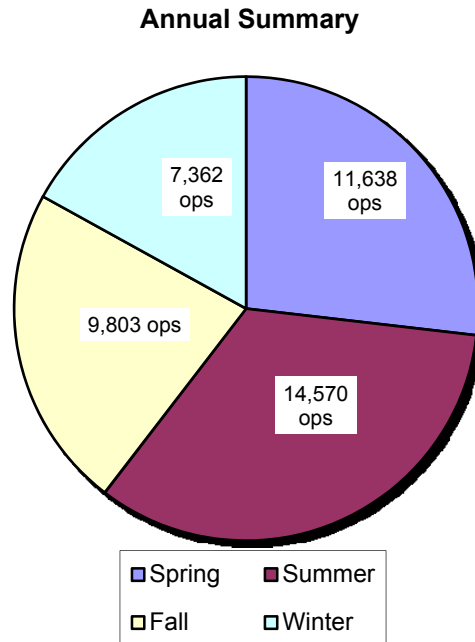
**Table 5: Brandywine Airport (OQN) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	125.14	11,638	27%
Summer	2014	155.00	14,570	34%
Fall	2014	110.14	9,803	23%
Winter	2015	82.71	7,362	17%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>43,373</b>	

Margin of Error: 8 at 95% confidence

Source: DVRPC

**Figure 5: Brandywine Airport (OQN) Seasonal Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report      For: 21 May 2014 - 27 May 2014  
 OQN Brandywine Airport  
 OQN Spring I 2014

Day->	Wed 21-May	Thurs 22-May	Fri 23-May	Sat 24-May	Sun 25-May	Mon 26-May	Tues 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am						1	
6 am	1			1			1
7 am	3	3	2	2	2		1
8 am	2	1	4	4	4	1	
9 am	5	2	3	7	3	4	1
10 am	1	3	3	9	4	8	
11 am	7		2	8	7	4	7
12 pm	1	2	5	11	5	9	
1 pm	2	2	1	7	4	3	
2 pm	4	6	4	6	5	2	4
3 pm	1	2	1	2	4	2	2
4 pm	5	4	2	3	4	8	2
5 pm	1	3	1	2	5	2	2
6 pm			2		3	1	
7 pm				6	2		
8 pm			1	4	3		
9 pm						5	
10 pm							
11 pm							
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	55	50	53	94	77	72	42
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	289						
Total Aircraft Takeoffs	443						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report      For: 4 June 2014 - 10 June 2014  
 OQN Brandywine Airport  
 OQN Spring II 2014

Day->	Wed 4-Jun	Thurs 5-Jun	Fri 6-Jun	Sat 7-Jun	Sun 8-Jun	Mon 9-Jun	Tues 10-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			3	1	3		
7 am	1		4	7	5	1	1
8 am			8	1	8		
9 am	3	1	6	4	10	2	
10 am	2		1	5	6	2	8
11 am	1		1	13	9		2
12 pm	1	1	5	11	11	2	5
1 pm	3	1	1	2	7	6	
2 pm	1	1	1	8	8	2	1
3 pm	1	2	1	4	10	1	3
4 pm	1	2	2	4	4		1
5 pm	4	2	2		1	1	1
6 pm	6	3		2	1	2	2
7 pm	5	1		3			1
8 pm		1		2			
9 pm		1			3		
10 pm							
11 pm		2					
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	51	40	57	89	108	41	47
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	279						
Total Aircraft Takeoffs =	433						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Summer I 2014

For: 16 July 2014- 22 July 2014

Day->	Wed 16-Jul	Thurs 17-Jul	Fri 18-Jul	Sat 19-Jul	Sun 20-Jul	Mon 21-Jul	Tues 22-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				2	1	1	
7 am	2	1	1	9	2	2	
8 am	4	2	3	7		2	1
9 am	3	3	2	6	5	2	1
10 am	2	9	9	10	12	8	1
11 am		3	2	12	11	1	3
12 pm	6		3	8	4	8	2
1 pm	1		2	5	3	2	
2 pm	11		6	7	13		1
3 pm	2		7	12	10		4
4 pm	6	10	3	3	7	5	
5 pm	3	5	2		5	3	
6 pm	10	4			5	9	
7 pm	4	1	5		3	7	5
8 pm	3		3				2
9 pm	6	1				1	
10 pm							
11 pm							
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	85	61	70	103	103	73	42
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	383						
Total Aircraft Takeoffs =	537						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Summer II 2014

For: 13 August 2014- 19 August 2014

Day->	Wed 13-Aug	Thurs 14-Aug	Fri 15-Aug	Sat 16-Aug	Sun 17-Aug	Mon 18-Aug	Tues 19-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	4	1	4	4	1	3	1
7 am	1		5	6		3	1
8 am	3	3	4	4	5	2	1
9 am	5	3	2	13	16	13	12
10 am	7	10	1	6	5	9	18
11 am	2	6		5	8	3	3
12 pm	4	7	4	18	1	1	
1 pm	4		3	9	9	2	10
2 pm	1	1	4	12	8	2	4
3 pm			5	6	2	4	1
4 pm	1	2	3	2	3		
5 pm	5	2	4		1	1	1
6 pm		1	3	1		5	5
7 pm			3	1	1	2	2
8 pm	1	1	2	2	1		2
9 pm		1		7			
10 pm		1		2			
11 pm							
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	60	61	69	120	83	72	83
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	394						
Total Aircraft Takeoffs	548						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Fall I 2014

For: 30 October 2014- 5 November 2014

Day->	Thurs 30-Oct	Fri 31-Oct	Sat 1-Nov	Sun 2-Nov	Mon 3-Nov	Tues 4-Nov	Wed 5-Nov
12 am						1	
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		4					
7 am	3		2	3	3		1
8 am	2	1	4	4	1		
9 am	3	3	6	5	1	2	6
10 am	6	2	3	7	4	1	6
11 am	3	2	5	2	2	2	
12 pm	2		7	3	3	2	5
1 pm		2	5	7	1	2	5
2 pm	1	6	7	3	3	2	3
3 pm	3	9	4	2	3	6	6
4 pm	4		3	3	1	2	1
5 pm	3	2	3	1	3	5	3
6 pm	1		2	4	3		2
7 pm		1		3			
8 pm							
9 pm	1			1		1	
10 pm							
11 pm							
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	54	54	73	70	50	48	60
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	255						
Total Aircraft Takeoffs	409						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Fall II 2014

For: 15 December 2014- 21 December 2014

Day->	Mon 15-Dec	Tues 16-Dec	Wed 17-Dec	Thurs 18-Dec	Fri 19-Dec	Sat 20-Dec	Sun 21-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1		
7 am			1			1	1
8 am	3	3	1	2	2	6	5
9 am	1	1		1	2	2	7
10 am	3		3	1	3	2	5
11 am	1	1	1	1	6	1	5
12 pm	1	3	1	1	1	8	7
1 pm		1		1	1	6	1
2 pm	7	3	2	6	1	12	5
3 pm	5	3	3	3	1	5	3
4 pm	7	1	3	3	1	4	6
5 pm	3	3	1	1	2		
6 pm	4		2	1			
7 pm					1		
8 pm							
9 pm				1			
10 pm							
11 pm							
Prorated Daily Helio Activity	22	22	22	22	22	22	22
Total Daily Aircraft Takeoffs	57	41	40	44	44	69	67
Prorated Total Helio Activity	154						
Total Fixed Wing Activity	208						
Total Aircraft Takeoffs	362						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Winter I 2015

For: 29 January 2015 - 4 February 2015

Day->	Thurs 29-Jan	Fri 30-Jan	Sat 31-Jan	Sun 1-Feb	Mon 2-Feb	Tues 3-Feb	Wed 4-Feb
12 am							
1 am							
2 am							
3 am		1					
4 am							
5 am							
6 am	1	2	1				1
7 am	1	1	3	1			1
8 am	2	3	3	2			1
9 am	3	1	5	5		2	5
10 am	5	3	7	14			7
11 am	2	4	5	4		2	4
12 pm	1	2	1	10		1	2
1 pm	1	1	1	7		3	5
2 pm	3	3	1	7		1	1
3 pm	2	6	4	1		2	1
4 pm		1	1	2		4	1
5 pm							
6 pm							
7 pm			1			1	
8 pm							
9 pm			1				
10 pm							
11 pm							
Prorated Daily Helio Activity	18	15	15	15	16	18	18
Total Daily Aircraft Takeoffs	39	43	49	68	16	34	47
Prorated Total Helio Activity	115						
Total Fixed Wing Activity	181						
Total Aircraft Takeoffs	296						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 OQN Brandywine Airport  
 OQN Winter II 2015

For: 16 March 2015 - 22 March 2015

Day->	Mon 16-Mar	Tues 17-Mar	Wed 18-Mar	Thurs 19-Mar	Fri 20-Mar	Sat 21-Mar	Sun 22-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2	1		1			
8 am			1	1	2	3	5
9 am	1		1	2	3	3	5
10 am	3	2	3	4	3	4	3
11 am	1	6	5	1	1	2	5
12 pm	2	1	7	1	1	3	2
1 pm	2	1	3	2	4	5	4
2 pm	5	1	1	1	2	4	4
3 pm	1		3		2	3	1
4 pm	4		1	1	1	3	5
5 pm	4			2		1	1
6 pm	2				1	1	
7 pm			1				
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	18	15	15	15	16	18	18
Total Daily Aircraft Takeoffs	45	27	41	31	36	50	53
Prorated Total Helio Activity	115						
Total Fixed Wing Activity	168						
Total Aircraft Takeoffs	283						

Source: DVRPC

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**2014/15 Aircraft Operations Counting Program**

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## Chester County Airport (MQS)

**Chester County**

**Coatesville, PA 19320**

Runway Orientation: 11/29

Runway Length: 5,400 ft.

**Table 6: Chester County Airport (MQS) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	63
Multi-Engine	12
Jet	15
Helicopter	0
Glider	0
Total	90

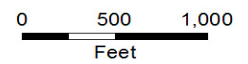
Source: Chester County Airport

Chester County Airport, two miles west of Coatesville, Pennsylvania, is a public-use airport owned by the Chester County Airport Authority. Overall flight operations increased 9 percent for this counting period from the previous period. The increase in flight operations is attributed to the helicopter operations from Sikorsky Aircraft. Sikorsky Aircraft has a manufacturing operation adjacent to the airport.

Figure 6: Chester County Airport (MQS) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015





**2014/15 Aircraft Operations Counting Program**

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**DVRPC Aircraft Counting Program**

Airport: Chester County Airport (MQS)

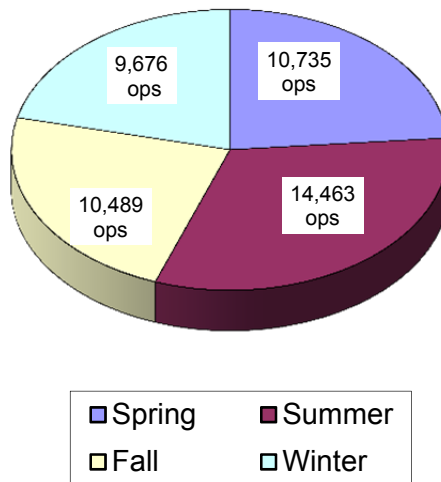
County: Chester

**Table 7: Chester County Airport (MQS) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	115.43	10,735	24%
Summer	2014	153.86	14,463	32%
Fall	2014	117.86	10,489	23%
Winter	2015	108.71	9,676	21%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>45,362</b>	
Margin of Error: 8 at 95% confidence				

Source: DVRPC

**Figure 7: Chester County Airport (MQS) Seasonal Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Spring I 2014

For: 21 May 2014 - 27 May 2014

Day->	Wed 21-May	Thurs 22-May	Fri 23-May	Sat 24-May	Sun 25-May	Mon 26-May	Tues 27-May
12 am							
1 am			1				
2 am							
3 am							
4 am							
5 am							
6 am	1		1	1		1	
7 am	1	2	1		2		2
8 am	3	1	3	5	3	3	1
9 am	1	1	3	2	6	9	3
10 am	7	5	4	12	8	10	5
11 am	5	4		5	10	4	4
12 pm	9	6	9	4	8	11	1
1 pm	3	2	5	6	10	9	3
2 pm	1	5	7	1	2	8	
3 pm	2	5	15		9	8	4
4 pm	4		2	2	6	8	2
5 pm			2	4	2	7	1
6 pm		3	1	2	2	5	1
7 pm		2	1	3	2	2	
8 pm		2		2			
9 pm				1	2		
10 pm					1		
11 pm	1				1		
Prorated Daily Helio Activity	6	6	6	1		6	6
Total Daily Aircraft Takeoffs	44	44	61	51	74	91	33
Prorated Total Helio Activity	31						
Total Fixed Wing Activity	367						
Total Aircraft Takeoffs	398						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Spring II 2014

For: 4 June 2014 - 10 June 2014

Day->	Wed 4-Jun	Thurs 5-Jun	Fri 6-Jun	Sat 7-Jun	Sun 8-Jun	Mon 9-Jun	Tues 10-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	3		3		1		1
7 am	1		1	1	2	1	3
8 am	2	1	3	4	4	1	
9 am	3	1	2	4	3	3	1
10 am	3	2	1	8	8	3	
11 am	3	1	2	9	22	1	1
12 pm			2	9	19	2	3
1 pm	5		11	7	10	2	5
2 pm	4	1	3	10	4	6	3
3 pm	1	7	1	13		1	
4 pm	2	5	3	7	8	2	1
5 pm	2	4	11	8	8	4	3
6 pm	7	2		4	2		3
7 pm	4	4	3	9	2	2	
8 pm	4	3	1	5	2		3
9 pm	1	1				1	1
10 pm		1			2		
11 pm		1	1				
Prorated Daily Helio Activity	6	6	6	1		6	6
Total Daily Aircraft Takeoffs	51	40	54	99	97	35	34
Prorated Total Helio Activity	31						
Total Fixed Wing Activity	379						
Total Aircraft Takeoffs	410						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Summer I 2014

For: 16 July 2014 - 22 July 2014

Day->	Wed 16-Jul	Thurs 17-Jul	Fri 18-Jul	Sat 19-Jul	Sun 20-Jul	Mon 21-Jul	Tues 22-Jul
12 am		1					
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1	1	1		1	2	
7 am	3	2		2	2	10	1
8 am	2	1	6	2	3	11	2
9 am	4	4	6	9	3	9	1
10 am	3	10	3	8	7	3	1
11 am	5	4	4	8	13	2	2
12 pm	15	3	4	5	13	7	3
1 pm	14		8	7	7	7	7
2 pm	5	3	3	4	3	8	10
3 pm	10	3	6	5	15	6	7
4 pm	1	9	3	7	3	1	7
5 pm	1	4	1	1	4	5	5
6 pm	7	9	5	3	5	10	
7 pm	11	3	1	2	1	1	1
8 pm	4	2	1	4	2		2
9 pm	1	1	2			3	
10 pm				2	1		
11 pm		1					
Prorated Daily Helio Activity	12	12	12	2	1	12	12
Total Daily Aircraft Takeoffs	99	73	66	71	84	97	61
Prorated Total Helio Activity	63						
Total Fixed Wing Activity	488						
Total Aircraft Takeoffs	551						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Summer II 2014

For 13 August 2014 - 19 August 2014

Day->	Wed 13-Aug	Thurs 14-Aug	Fri 15-Aug	Sat 16-Aug	Sun 17-Aug	Mon 18-Aug	Tues 19-Aug
12 am							
1 am							
2 am					1		
3 am							
4 am							
5 am							
6 am	1	1	1	1	1	2	2
7 am	3	1	2	1	1	3	2
8 am		4	11	6	6	4	2
9 am	3	9	7	8	12	3	7
10 am	5	2	7	13	6	5	8
11 am	7	10	6	6	4	7	9
12 pm	6		2	3	15	5	2
1 pm	2	3	7	7	2	11	7
2 pm	1	4	3	8	1	6	10
3 pm	4	2	11	5	8	8	3
4 pm	3	4	3	1	1	7	3
5 pm		2	2	3	2	9	1
6 pm	3	3	1		4	8	8
7 pm	3	3	1	1	1		5
8 pm	3	4			2	5	3
9 pm	14		2				
10 pm	1				1		
11 pm							
Prorated Daily Helio Activity	12	12	12	2	1	12	12
Total Daily Aircraft Takeoffs	71	64	78	65	69	95	84
Prorated Total Helio Activity	63						
Total Fixed Wing Activity	463						
Total Aircraft Takeoffs	526						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Fall I 2014

For: 30 October 2014 - 5 November 2014

Day->	Thurs 30-Oct	Fri 31-Oct	Sat 1-Nov	Sun 2-Nov	Mon 3-Nov	Tues 4-Nov	Wed 5-Nov
12 am							
1 am							
2 am			1		1		
3 am							
4 am						1	
5 am							
6 am	1		2	3			
7 am		2	3	1			1
8 am		3	3	4			2
9 am	3	7	1	2	2		1
10 am	7	2	5	1	1	1	7
11 am	11	3	1	4	6	5	8
12 pm	7	7	7	9	3	2	7
1 pm	1	6	8	12		3	1
2 pm	11	4	8	7	6	4	6
3 pm	8	8	1	5	7	5	10
4 pm	13	4	7	3	5	10	2
5 pm	4	1	1	2	2	8	6
6 pm	3	1	5	2	2		10
7 pm		1	3	3	1	1	2
8 pm	5	1				2	
9 pm	3				1	1	2
10 pm							2
11 pm							3
Prorated Daily Helio Activity	10	10	2	1	10	12	12
Total Daily Aircraft Takeoffs	87	60	58	59	47	55	82
Prorated Total Helio Activity	57						
Total Fixed Wing Activity	391						
Total Aircraft Takeoffs	448						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Fall II 2014

For: 15 December 2014 - 21 December 2014

Day->	Mon 15-Dec	Tues 16-Dec	Wed 17-Dec	Thurs 18-Dec	Fri 19-Dec	Sat 20-Dec	Sun 21-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1		1				
7 am		1	1	2	1	3	
8 am	2	1		4	1		2
9 am		1		3	1	12	4
10 am	1	1		1	4	4	6
11 am	3		5	5	6	16	13
12 pm	5		2	2	3	15	13
1 pm	13	1	3	2	3	12	8
2 pm	4	1	4	3	2	8	15
3 pm	6	2	1	1		5	8
4 pm	4		1	3	8	10	14
5 pm	2	2	1		3	1	
6 pm		2			2	2	1
7 pm			2	1		1	2
8 pm			1	2	1		
9 pm				1	1		1
10 pm						1	
11 pm				2			
Prorated Daily Helio Activity	10	10	2	1	10	12	12
Total Daily Aircraft Takeoffs	51	22	24	33	46	102	99
Prorated Total Helio Activity	57						
Total Fixed Wing Activity	320						
Total Aircraft Takeoffs	377						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Winter I 2015

For: 29 January 2015 – 4 February 2015

Day->	Thurs 29-Jan	Fri 30-Jan	Sat 31-Jan	Sun 1-Feb	Mon 2-Feb	Tues 3-Feb	Wed 4-Feb
12 am							
1 am							
2 am							
3 am							
4 am					1		
5 am					1		
6 am				1	2		
7 am	1	1		1	1		2
8 am	2		3	5	1	2	3
9 am	1	1		1	2	2	1
10 am	2	3	3	3	3	2	1
11 am	2	3	2	4	1	1	1
12 pm	5	1	10	4	1	1	2
1 pm	2	2	5	3	3	5	4
2 pm	1	2	1	8		2	3
3 pm	4	3	4	4		5	3
4 pm	4	3	4	2		5	5
5 pm		3	2	3	2	1	3
6 pm	3	1		1	1	1	5
7 pm	1	1	3		1		1
8 pm	1	1	1				
9 pm			1				
10 pm					2		
11 pm							
Prorated Daily Helio Activity	16	16	2	16	16	16	16
Total Daily Aircraft Takeoffs	45	41	41	56	38	43	50
Prorated Total Helio Activity	98						
Total Fixed Wing Activity	216						
Total Aircraft Takeoffs	314						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 MQS Chester County  
 Airport  
 MQS Winter II 2015

For: 18 March 2015 - 24 March 2015

Day->	Wed 18-Mar	Thurs 19-Mar	Fri 20-Mar	Sat 21-Mar	Sun 22-Mar	Mon 23-Mar	Tues 24-Mar
12 am						2	
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1		2			
7 am		3	2	2		1	2
8 am	3	2	1	1	3	1	3
9 am	1	3	3	2	6	5	1
10 am	5	7	1	6	16	3	4
11 am	1	7	1	5	8	1	3
12 pm	1	5	7	6	8	2	5
1 pm		11	1	7	2	3	4
2 pm		8	3	7	4	7	6
3 pm	5	6	5	9	3	5	4
4 pm	2	6	3	3	8	11	5
5 pm	1	5	1		3	10	
6 pm	1	1	1	1	2	2	3
7 pm		2	1		3		4
8 pm	1	1	1	2		1	
9 pm	1			2		2	2
10 pm					2		1
11 pm		1		1			
Prorated Daily Helio Activity	16	16	2	16	16	16	16
Total Daily Aircraft Takeoffs	38	85	33	72	84	72	63
Prorated Total Helio Activity	98						
Total Fixed Wing Activity	349						
Total Aircraft Takeoffs	447						

Source: DVRPC

Flying W Airport (N14)

Burlington County

Medford, NJ 08055

Runway Orientation: 1/19

Runway Length: 3,496 ft.

**Table 8: Flying W Airport (N14) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	96
Multi-Engine	6
Jet	0
Helicopter	3
Glider	0
Total	105

Source: AirNav.com

Flying W Airport had an overall decline of 34 percent in flight operations this counting cycle. The largest percentage of loss was an 86 percent decline in helicopter flight operations. While fixed wing flight operations also declined, they did so by a lesser amount of 23%. This is attributed to the loss of the flight school based there and the loss of the international flight training program. Additionally, the PSE&G helicopter is no longer based at Flying W, and Helicopter Flight Services had a decrease in student training activities.

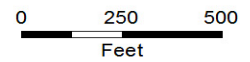
Flying W continues to be an important general aviation in the region, profiting from the recreational repertoire that it offers and its professional management. Flight operations are bolstered by a large flying club based there, which contributes strongly to flight operations. Free Flight Aviation, which is now based there, has a growing flight school.

Flying W Airport is a well-managed facility with a heavy schedule of aircraft fly-ins booked throughout the year, which utilizes the full facilities of Flying W. These facilities include a hotel, swimming pool, restaurant, and snack bar.

Figure 8: Flying W Airport (N14) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015



**2014/15 Aircraft Operations Counting Program**

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**DVRPC Aircraft Counting Program**

Airport: Flying W Airport (N14)

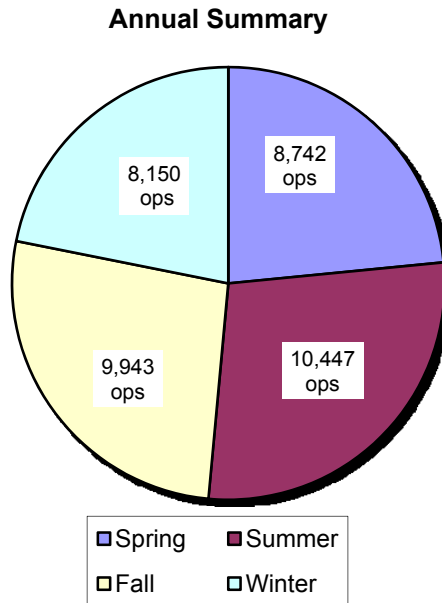
County: Burlington

**Table 9: Flying W Airport (N14) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	94.00	8,742	23%
Summer	2014	111.14	10,447	28%
Fall	2014	111.71	9,943	27%
Winter	2015	91.57	8,150	22%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>37,282</b>	
Margin of Error: 8 at 95% confidence				

**Source: DVRPC**

**Figure 9: Flying W Airport (N14) Seasonal Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Spring I 2014

For: 10 April 2014 - 16 April 2014

Day->	Thurs 10-Apr	Fri 11-Apr	Sat 12-Apr	Sun 13-Apr	Mon 14-Apr	Tues 15-Apr	Wed 16-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am	2	1	2			1	1
9 am	1	3	1	14	2	3	
10 am	2	1	2	10	1	3	2
11 am	5	2	9	2	3	6	5
12 pm	4	1	10	10	3	5	8
1 pm	3	1	3	19	2	3	14
2 pm	2	3	1	3	1	1	3
3 pm		2	4	2	3	1	2
4 pm	2	4	4	1	3	1	2
5 pm	2		3	3	1		1
6 pm	7	2	1		1	1	1
7 pm	2	1	1	1	3	2	
8 pm	3	1	6		2		3
9 pm		1	1		1	1	1
10 pm	1		1				
11 pm							
Prorated Daily Helio Activity	5	6	6	6	5	5	5
Total Daily Aircraft Takeoffs	41	29	55	71	31	33	48
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	270						
Total Aircraft Takeoffs	308						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Spring II 2014

For: 3 June 2014 - 9 June 2014

Day->	Tues 3-Jun	Wed 4-Jun	Thurs 5-Jun	Fri 6-Jun	Sat 7-Jun	Sun 8-Jun	Mon 9-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						2	1
8 am	2	1	1	1	8	6	3
9 am	3	1	3	8	4	6	3
10 am	1	1	1	9	3	10	3
11 am	7	3	2	3	10	6	2
12 pm	3	2	2	4	2	4	1
1 pm	1	4	1	9		6	3
2 pm	3	5	2	3	9	5	2
3 pm	2	5	4	2	4	9	3
4 pm	3	2	2	7	8	1	5
5 pm	5	1	2	4	4	7	3
6 pm	1	6	2	1	2	3	2
7 pm		6	1	3	3		1
8 pm			2	3			1
9 pm		1		3	2		
10 pm				1			
11 pm							
Prorated Daily Helio Activity	5	5	5	6	6	6	5
Total Daily Aircraft Takeoffs	36	43	30	67	65	71	38
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	312						
Total Aircraft Takeoffs	350						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Summer I 2014

For: 30 July 2014 - 5 August 2014

Day->	Wed 30-Jul	Thurs 31-Jul	Fri 1-Aug	Sat 2-Aug	Sun 3-Aug	Mon 4-Aug	Tues 5-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				1	1		
8 am	3			2	3		1
9 am	5	5	5	3	3		2
10 am	5	6	13	5	3	5	5
11 am	3	6	14	3	3	1	2
12 pm	5	1	10	8	3	1	4
1 pm	3	6	9	9	5	1	2
2 pm	1	1	4	2	3	3	5
3 pm	5			1	1	5	7
4 pm	2	3	1	5	1	2	7
5 pm	2			1	3	5	6
6 pm	6	7	3	3	1	3	3
7 pm	12	3	1	1	5	1	1
8 pm	3	1	3	3	3		
9 pm	1			1	2	1	
10 pm		1					
11 pm							
Prorated Daily Helio Activity	5	5	6	6	6	5	5
Total Daily Aircraft Takeoffs	61	45	69	54	46	33	50
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	320						
Total Aircraft Takeoffs	358						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Summer II 2014

For: 3 September 2014 - 9 September 2014

Day->	Wed 3-Sep	Thurs 4-Sep	Fri 5-Sep	Sat 6-Sep	Sun 7-Sep	Mon 8-Sep	Tues 9-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1	1		
7 am				3			1
8 am	1	1	3	3	7	3	1
9 am	7	13	3	8	2	4	2
10 am	5	3	1	3	6	4	1
11 am	5	12	6	8	10	2	3
12 pm	5	4	2	5	7	5	
1 pm	1	2	3		9	7	2
2 pm	5	10	2	3	8	2	4
3 pm	7	5	3	9	9	2	9
4 pm		2	5	2	5	1	2
5 pm	7	2	4	3	3	1	5
6 pm	8	4	3	1	10	1	3
7 pm	10	3		3	2	1	3
8 pm		1	1	2	2	1	2
9 pm			1	2	2		1
10 pm			3	2	4		1
11 pm							
Prorated Daily Helio Activity	5	5	6	6	6	5	5
Total Daily Aircraft Takeoffs	66	67	46	64	93	39	45
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	382						
Total Aircraft Takeoffs	420						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Fall I 2014

For: 3 October 2014 - 9 October 2014

Day->	Fri 3-Oct	Sat 4-Oct	Sun 5-Oct	Mon 6-Oct	Tues 7-Oct	Wed 8-Oct	Thurs 9-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	2	1	2		3		
8 am	1	2	4	3	3	1	2
9 am	3	5	3	5	4	2	4
10 am	3	7	7	2	6	1	7
11 am	7	9	6	2	4	13	4
12 pm	7	6	8	8	5	4	2
1 pm	2	3	8	3	1	3	1
2 pm	8	7	7	1	2	1	
3 pm	9	6	4	2	1	5	3
4 pm	5	6	3	3	3	7	7
5 pm	4	1	9	5	4	3	6
6 pm			2	3	3	3	2
7 pm				1		2	1
8 pm			1	1	1	1	1
9 pm					2		2
10 pm							
11 pm							
Prorated Daily Helio Activity	6	6	6	5	5	5	5
Total Daily Aircraft Takeoffs	58	59	70	44	47	51	47
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	338						
Total Aircraft Takeoffs	376						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Fall II 2014

For: 17 November 2014 - 23 November 2014

Day->	Mon 17-Nov	Tues 18-Nov	Wed 19-Nov	Thurs 20-Nov	Fri 21-Nov	Sat 22-Nov	Sun 23-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					2		
8 am	1	2			1	2	4
9 am	4	4		4	3	2	11
10 am	3	3	3	3	5	17	8
11 am	5	3	6	9	1	19	10
12 pm	5	1	7	1	1	4	9
1 pm	3	3	4	1	1	13	12
2 pm	5	5	3	2	2	5	16
3 pm	3	6	8	4	3	9	13
4 pm	3	4	4	6	1	12	9
5 pm	2	3		1	1	1	7
6 pm	1	3		2	5		
7 pm	1			1	3	1	
8 pm		1	3		3		
9 pm	1	1		1	1		
10 pm					1		
11 pm					1		
Prorated Daily Helio Activity	5	5	5	5	6	6	6
Total Daily Aircraft Takeoffs	42	44	43	40	41	91	105
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	368						
Total Aircraft Takeoffs	406						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Winter I 2015

For: 8 January 2015 - 14 January 2015

Day->	Thurs 8-Jan	Fri 9-Jan	Sat 10-Jan	Sun 11-Jan	Mon 12-Jan	Tues 13-Jan	Wed 14-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1	1	2		2	1
8 am		2	3	2	2	1	3
9 am	2	1	5	2	3	1	5
10 am	3	3	2	4	3	1	3
11 am	6	2	5	12	2	2	3
12 pm	1	3	7	3		3	5
1 pm	1	5	7	8	1	5	1
2 pm	3	2	6	14	1	7	3
3 pm	6	2	7	5	3	6	1
4 pm	1	2	9	2	2	8	2
5 pm	3	1	3	2	3	1	1
6 pm	3	3	4	3		3	1
7 pm	3	1	1	3	1	1	1
8 pm	2					1	1
9 pm	1						
10 pm							
11 pm							
Prorated Daily Helio Activity	5	6	6	6	5	5	5
Total Daily Aircraft Takeoffs	41	34	66	68	26	47	36
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	280						
Total Aircraft Takeoffs	318						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N14 Flying W Airport  
 N14 Winter II 2015

For: 12 February 2015 - 18 February 2015

Day->	Thurs 12-Feb	Fri 13-Feb	Sat 14-Feb	Sun 15-Feb	Mon 16-Feb	Tues 17-Feb	Wed 18-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1		1			1
7 am	3	3	2	3	3	1	3
8 am	8	3	11	1	5	3	3
9 am	5	2	12	5	3	3	3
10 am	12	5	10	3	2	3	1
11 am	5	7	7	4	3	1	5
12 pm	3	4	2	5	7	2	1
1 pm	7	3		2	5	6	3
2 pm	3	1		2	3	8	5
3 pm	6	1		3	3	5	2
4 pm		2	2	4	1	3	3
5 pm		3		3	2	1	1
6 pm		1	1	3	1	2	1
7 pm		1	1	1			
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	5	6	6	6	5	5	5
Total Daily Aircraft Takeoffs	57	43	54	46	43	43	37
Prorated Total Helio Activity	38						
Total Fixed Wing Activity	285						
Total Aircraft Takeoffs	323						

Source: DVRPC

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**2014/15 Aircraft Operations Counting Program**

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**New Garden Airport (N57)**

**Chester County**

**Toughkenamon, PA 19374**

Runway Orientation: 06/24

Runway Length: 3,695 ft.

**Table 10: New Garden Airport (N57) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	82
Multi-Engine	2
Jet	0
Helicopter	3
Glider	11
Total	98

Source: AirNav.com

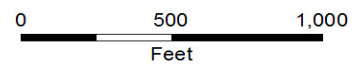
Municipally owned New Garden Airport (N57) had an overall increase in flight operations this counting period of 23 percent. With summer aviation programs for their youth day camps, a strong local EAA chapter, the Brandywine Soaring Association, Annual Airshow, and a strong schedule of weekend activities, New Garden Airport is an example of a renewed airport.

New Garden Airport has planned a replacement for their current terminal and airport offices and is planning to repave their runway to take place in 2016. It is logical to assume that flight operations will grow in the coming years at this well-managed airport.

Figure 10: New Garden Airport (N57) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015



**2014/15 Aircraft Operations Counting Program**

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**DVRPC Aircraft Counting Program**

Airport: New Garden Airport (N57)

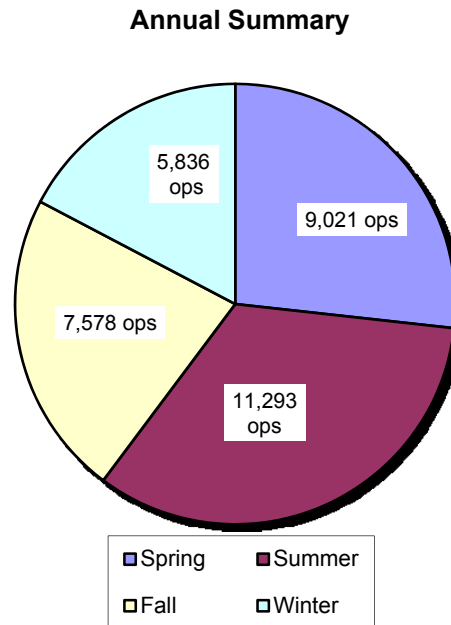
County: Chester

**Table 11: New Garden Airport (N57) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	97	9,021	27%
Summer	2014	120.14	11,293	33%
Fall	2014	85.14	7,578	22%
Winter	2015	65.57	5,836	17%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>33,728</b>	
Margin of Error: 12 at 95% confidence				

Source: DVRPC

**Figure 11: New Garden Airport (N57) Seasonal Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Spring I 2014

For: 21 May 2014 - 27 May 2014

Day->	Wed 21-May	Thurs 22-May	Fri 23-May	Sat 24-May	Sun 25-May	Mon 26-May	Tues 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	3		4		6	4	3
7 am			4	1	4	5	3
8 am	2		3	1	1	11	2
9 am	1		1	5	3	13	2
10 am	2		3	2	6	8	5
11 am	2		3	5	14	4	2
12 pm	7		5	3	5	11	5
1 pm	6	4	3	7	7	6	7
2 pm	3	1	2	5	3	7	1
3 pm	2		1	6	6	5	3
4 pm			2	7	8		4
5 pm	1		4	3	2	3	3
6 pm	4		9	5	3	3	
7 pm	3		4	7		8	1
8 pm		1		4	2	1	
9 pm				3			
10 pm							
11 pm				1			
Prorated Daily Helio Activity			2	5	5	2	1
Total Daily Aircraft Takeoffs	36	6	50	70	75	91	42
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	355						
Total Aircraft Takeoffs	370						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Spring II 2014

For: 3 June 2014 - 9 June 2014

Day->	Tues 3-Jun	Wed 4-Jun	Thurs 5-Jun	Fri 6-Jun	Sat 7-Jun	Sun 8-Jun	Mon 9-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am						8	3
7 am	1	1	2	1	1	5	4
8 am	1	2	1		13	6	3
9 am	3		3	3	6	10	3
10 am	1	3	3	1	6	16	1
11 am	3	5	1	7	3	3	1
12 pm	1	4	6	5	2	4	3
1 pm		3	4	3	7	4	1
2 pm	2	3	3	3	3	4	5
3 pm		4	5	10	1	6	1
4 pm	1	3	1		4	2	2
5 pm		1	2	2	10	1	1
6 pm	3	5	2		1	2	3
7 pm	1	2	2	4	1		1
8 pm				4			2
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity			1	2	5	5	2
Total Daily Aircraft Takeoffs	17	36	36	45	63	76	36
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	294						
Total Aircraft Takeoffs	309						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Summer I 2014

For: 16 July 2014 - 22 July 2014

Day->	Wed 16-Jul	Thurs 17-Jul	Fri 18-Jul	Sat 19-Jul	Sun 20-Jul	Mon 21-Jul	Tues 22-Jul
12 am			2				
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1	2		2
7 am	1	2	1	4	5		5
8 am	3	4	7	5	6	1	1
9 am	3	6	8	8	7	1	2
10 am		7	7	14	2	3	3
11 am	2	1	5	18	3	4	9
12 pm	4		6	10	9	7	4
1 pm	2		1	7	4	2	2
2 pm	4		1	6	6	3	1
3 pm	2		2	4	4	3	1
4 pm	5	12	4	4	2	3	1
5 pm	1	15	2		6	2	1
6 pm	2	2	7	5	7	3	1
7 pm	5	3	1	4	2	7	1
8 pm	2	8	2		5	4	3
9 pm	1	4			3		1
10 pm					1		1
11 pm							
Prorated Daily Helio Activity		1	2	5	5	2	
Total Daily Aircraft Takeoffs	37	65	56	95	79	45	39
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	401						
Total Aircraft Takeoffs	416						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Summer II 2014

For: 13 August 2014 - 19 August 2014

Day->	Wed 13-Aug	Thurs 14-Aug	Fri 15-Aug	Sat 16-Aug	Sun 17-Aug	Mon 18-Aug	Tues 19-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	2	1	6			1	
7 am	1	3	8	1	2	1	2
8 am		6	3	5	4	2	3
9 am	3	3	6	12	6	3	1
10 am	1	7	7	14	2	1	1
11 am	3	10	15	7	3	2	2
12 pm	3	2	9	6	7	3	3
1 pm	2	11	8	7	7	1	1
2 pm	2	11	8	8	6	3	7
3 pm	4	5	2	3	7	1	2
4 pm		1		7	5	3	5
5 pm	1	6	3	2	5		1
6 pm		4	6	8	8	5	3
7 pm		6	8	2	3	4	3
8 pm				2	3	2	1
9 pm	1			1			
10 pm			1		1		
11 pm							
Prorated Daily Helio Activity		1	2	5	5	2	
Total Daily Aircraft Takeoffs	23	77	92	90	74	34	35
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	410						
Total Aircraft Takeoffs	425						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Fall I 2014

For: 30 October 2014 - 5 November 2014

Day->	Thurs 30-Oct	Fri 31-Oct	Sat 1-Nov	Sun 2-Nov	Mon 3-Nov	Tues 4-Nov	Wed 5-Nov
12 am							
1 am						1	
2 am							
3 am							
4 am							
5 am							
6 am	1	2	3	1			
7 am	3	1	3				
8 am	2	1	2	1	2		1
9 am	3	1	2	3	3	5	9
10 am	4	3	7	6	3	3	
11 am	3	11	6	6	5	10	1
12 pm	8	6	4	3	3	1	1
1 pm	5	5	4	2	6	10	
2 pm	3	3	8	7	4	4	1
3 pm	3	2	3	3	3		1
4 pm	2	5	4	1	7	4	1
5 pm	6	1	4	4	2	8	2
6 pm	2		8	10	1	1	1
7 pm	1		1	3	1		
8 pm	1		2	2	1	1	
9 pm						1	
10 pm						1	
11 pm					1		
Prorated Daily Helio Activity	1	2	5	5	2		
Total Daily Aircraft Takeoffs	48	43	66	57	44	50	18
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	311						
Total Aircraft Takeoffs	326						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Fall II 2014

For: 14 December 2014 - 20 December 2014

Day->	Sun 14-Dec	Mon 15-Dec	Tues 16-Dec	Wed 17-Dec	Thurs 18-Dec	Fri 19-Dec	Sat 20-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1		1	1	2	2
8 am	1			3	5	1	7
9 am	4	8		3	2	1	6
10 am	7	5		5	6	3	4
11 am	7	2		3	1	3	4
12 pm	10	1		3	2	1	8
1 pm	8	2		1	1	3	3
2 pm	10	8		3	5	5	4
3 pm	2	3		2	1	5	4
4 pm	3			3	1	12	8
5 pm	3			3	1	5	1
6 pm				6	3	3	
7 pm				1	3	1	
8 pm				1	2		
9 pm						1	
10 pm							
11 pm							
Prorated Daily Helio Activity	5	2			1	2	5
Total Daily Aircraft Takeoffs	61	32	0	38	35	48	56
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	255						
Total Aircraft Takeoffs	270						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Winter I 2015

For: 29 January 2015 - 4 February 2015

Day->	Thurs 29-Jan	Fri 30-Jan	Sat 31-Jan	Sun 1-Feb	Mon 2-Feb	Tues 3-Feb	Wed 4-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1	1	2	1	2	
7 am	1	1	3	6	3	1	
8 am		3	3	2	3	1	
9 am	1	1	5	2	1	3	3
10 am	2	5	2	10	3	4	4
11 am	3	3	7	1	2	2	
12 pm		3	12	4	2	1	2
1 pm	2	2	7	6	5	4	
2 pm	1	3	3	2	3	3	1
3 pm	2	3	1	4	4	1	1
4 pm		2	2	3	3	3	2
5 pm			2	3	3	1	
6 pm		1	1	1	1	2	
7 pm				1		1	
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	1	2	5	5	2		
Total Daily Aircraft Takeoffs	13	30	54	52	36	29	13
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	212						
Total Aircraft Takeoffs	227						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 N57 New Garden Airport  
 N57 Winter II 2015

For: 19 March 2015 - 25 March 2015

Day->	Thurs 19-Mar	Fri 20-Mar	Sat 21-Mar	Sun 22-Mar	Mon 23-Mar	Tues 24-Mar	Wed 25-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1						
8 am	7		1	1	2		
9 am			3	2	2	1	2
10 am	1			5		1	2
11 am				7	2	1	3
12 pm	1		8	5	1	4	5
1 pm	1		13	9	2		2
2 pm	1		8	7	1		1
3 pm	1		11	1	2	2	3
4 pm	8		6	5	5	12	5
5 pm	5		5	4	2		1
6 pm	1		9	4	1	4	1
7 pm				2	3		
8 pm	1						
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	1	2	5	5	2		
Total Daily Aircraft Takeoffs	29	2	69	57	25	25	25
Prorated Total Helio Activity	15						
Total Fixed Wing Activity	217						
Total Aircraft Takeoffs	232						

Source: DVRPC

## South Jersey Regional Airport (VAY)

**Burlington County**

**Mount Holly, NJ 08060**

Runway Orientation: 08/26

Runway Length: 3,881 ft.

**Table 12: South Jersey Regional Airport (VAY) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	87
Multi-Engine	10
Jet	0
Helicopter	4
Glider	0
Total	101

Source: AirNav.com

South Jersey Regional Airport is owned by the New Jersey Department of Transportation. It is a public-use airport located four miles west of Mount Holly in Burlington County. South Jersey Regional's overall flight operations nominally decreased by 3 percent for this counting period compared to the previous counting period.

There are many active aircraft businesses located at South Jersey Regional Airport, such as:

- The Runway Café — Restaurant and snack shop;
- Air Victory Museum — Military aircraft displayed; and
- BP Air — An aircraft repair facility that offers major airframe and engine repairs. This repair facility also has the responsibility for all major repairs to Delaware Valley-based C.A.P. aircraft.

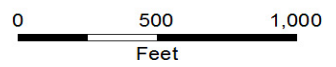
Combined, these successful operations are responsible for maintaining a healthy business climate at South Jersey Regional Airport.



Figure 12: South Jersey Regional Airport (VAY) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015



**2014/15 Aircraft Operations Counting Program**

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**DVRPC Aircraft Counting Program**

Airport: South Jersey Regional Airport (VAY)

County: Burlington

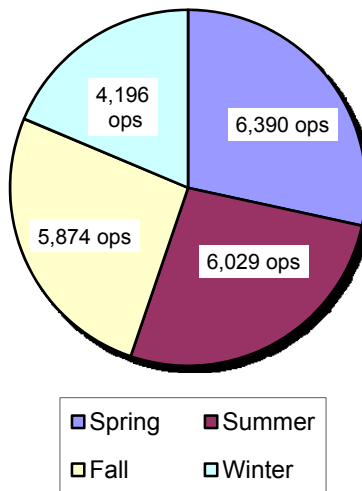
**Table 13: South Jersey Regional Airport (VAY) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	68.71	6,390	32%
Summer	2014	64.14	6,029	27%
Fall	2014	66.00	5,874	25%
Winter	2015	47.14	4,196	16%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>22,490</b>	
Margin of Error: 7 at 95% confidence				

Source: DVRPC

**Figure 13: South Jersey Regional Airport (VAY) Seasonal Summary**

**Annual Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 VAY South Jersey Regional  
 VAY Spring I 2014

For: 10 April 2014 - 16 April 2014

Day->	Thurs 10-Apr	Fri 11-Apr	Sat 12-Apr	Sun 13-Apr	Mon 14-Apr	Tues 15-Apr	Wed 16-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1				2	
8 am		2	2	4		1	2
9 am	3	5	5	9	1	1	
10 am	5	7	5	1		3	
11 am	1	7	7	2		3	5
12 pm	2	6	3	1	1	2	8
1 pm	17	3	2	2		5	2
2 pm	1	1	9	5		3	5
3 pm	1	3	4	2		2	7
4 pm	1	1		3	1	2	3
5 pm	1	2	2	5		1	5
6 pm	2		2	3		2	1
7 pm	1		1			1	1
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	40	42	49	45	7	32	43
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	223						
Total Aircraft Takeoffs	258						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report      For: 4 June 2014 - 10 June 2014  
 VAY South Jersey Regional  
 VAY Spring II 2014

Day->	Wed 4-Jun	Thurs 5-Jun	Fri 6-Jun	Sat 7-Jun	Sun 8-Jun	Mon 9-Jun	Tues 10-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1	1	1		1	
7 am	1	1	1	4	1	2	
8 am	2			3	2	3	
9 am	3	3	1	2	6	1	
10 am	3	5	1	5	1	1	
11 am	3	3	1	6	6		1
12 pm		6	4	3	1	1	1
1 pm		3	1	1	3	3	6
2 pm	3	1		3	4	1	2
3 pm	1	2	1	5	2	1	3
4 pm			4	4	1	1	5
5 pm	1	1	1	5		1	2
6 pm	6	1		1		2	1
7 pm		4	1				
8 pm	1		1				
9 pm							
10 pm							1
11 pm				5			
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	28	35	25	56	31	22	26
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	188						
Total Aircraft Takeoffs	223						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report                      For: 30 July 2014 - 5 August 2014  
 VAY South Jersey Regional  
 VAY Summer I 2014

Day->	Wed 30-Jul	Thurs 31-Jul	Fri 1-Aug	Sat 2-Aug	Sun 3-Aug	Mon 4-Aug	Tues 5-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1	1	2	1	1
8 am	1	2	1	3	1		
9 am	1	2	4	3	4	2	2
10 am	3	7	1	4	2	4	2
11 am	5	2	7	3	3	4	1
12 pm	1		1	3	3		
1 pm	3	1	1	4	6	4	3
2 pm	1	3	2	10	1	6	
3 pm	3	2	1	5	2	1	2
4 pm	1	2	2	2	1	1	1
5 pm	7	1		2	1		
6 pm		4		2	3	2	1
7 pm	6				1		1
8 pm							
9 pm							
10 pm		2					
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	36	32	28	50	34	29	18
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	192						
Total Aircraft Takeoffs	227						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 VAY South Jersey Regional  
 VAY Summer II 2014

For: 3 September 2014 - 9 September 2014

Day->	Wed 3-Sep	Thurs 4-Sep	Fri 5-Sep	Sat 6-Sep	Sun 7-Sep	Mon 8-Sep	Tues 9-Sep
12 am							
1 am			2				
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2	1		1	1		
8 am	1	1		5	6		1
9 am	3	1	2	3	1	1	1
10 am	1	5	3	5	1	1	2
11 am	4			1	2		2
12 pm	1	1	2	2	3	1	1
1 pm	1	2	2	5	1	2	3
2 pm	2	2	2	1		5	2
3 pm	5	1		6	1	3	7
4 pm		3		4		1	2
5 pm	5	5	3	2	4	3	1
6 pm	5	2	6	3	5	3	2
7 pm		1			1	2	
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	34	29	29	46	30	26	28
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	187						
Total Aircraft Takeoffs	222						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report                      For: 3 October 2014 - 9 October 2014  
 VAY South Jersey Regional  
 VAY Fall I 2014

Day->	Fri 3-Oct	Sat 4-Oct	Sun 5-Oct	Mon 6-Oct	Tues 7-Oct	Wed 8-Oct	Thurs 9-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am	1	2		1			1
8 am			1		2		1
9 am	3	3	4	1	2	3	4
10 am	1	5	1		2	2	6
11 am	1	4	3	1	1	5	3
12 pm	3	5	1	2	1	5	2
1 pm	1	3	3	2	2	3	9
2 pm	4	1	2	2	3	1	1
3 pm	4	5	3		1	1	3
4 pm	4	2	1	3		3	2
5 pm	3	1	2	2	2	2	3
6 pm		2	4	3	4	1	4
7 pm			1				2
8 pm	1		1				
9 pm							
10 pm					2		
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	30	38	34	25	26	30	45
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	193						
Total Aircraft Takeoffs	228						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report                      For: 18 November 2014 - 24 November 2014  
 VAY South Jersey Regional  
 VAY Fall II 2014

Day->	Tues 18-Nov	Wed 19-Nov	Thurs 20-Nov	Fri 21-Nov	Sat 22-Nov	Sun 23-Nov	Mon 24-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1		1
7 am	1			1	1		1
8 am	3			3	2		3
9 am	2	2	4	3	5	7	2
10 am	5	6	3	2	4	8	3
11 am	5	8	11	3	2	3	2
12 pm	1	7	1	3	5	3	2
1 pm	1	7	1	4	3		1
2 pm	2	2	3	1	4	4	1
3 pm	1	6	3		2	1	3
4 pm	2			1	3	1	1
5 pm	3				1	1	1
6 pm	2			1			2
7 pm							
8 pm				1			
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	32	42	33	31	37	32	27
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	199						
Total Aircraft Takeoffs	234						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report      For: 8 January 2015 - 14 January 2015  
 VAY South Jersey Regional  
 VAY Winter I 2015

Day->	Thurs 8-Jan	Fri 9-Jan	Sat 10-Jan	Sun 11-Jan	Mon 12-Jan	Tues 13-Jan	Wed 14-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	1				1		1
8 am	1	1				1	3
9 am	1		1	2	3	2	1
10 am	3	2	2	4	3		2
11 am	1	1	7	5	1		
12 pm	3	3	1	2	1		3
1 pm	3	3	1	3	2	5	1
2 pm	1	1	4	4		1	1
3 pm		2	2	2	1		2
4 pm	2	1	3	1	1		2
5 pm	1	2	3				1
6 pm		1	1				
7 pm	1		1				
8 pm		1					
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	23	22	33	31	17	13	21
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	125						
Total Aircraft Takeoffs	160						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 VAY South Jersey Regional  
 VAY Winter II 2015

For: 12 February 2015 -18 February 2015

Day->	Thurs 12-Feb	Fri 13-Feb	Sat 14-Feb	Sun 15-Feb	Mon 16-Feb	Tues 17-Feb	Wed 18-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1				
7 am		1	3	2			1
8 am	1	2	1	2	1	4	1
9 am	1	1	1	1	2	2	1
10 am	3	3	2	2	5	1	2
11 am	1	3	2	3	1	1	2
12 pm	1	1	1	2	2	3	1
1 pm	7	3	3	1	1	1	2
2 pm	10	4	3	3	3	3	1
3 pm			2	7	1	1	3
4 pm			1		1		
5 pm		1	1			1	
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	4	4	7	8	4	4	4
Total Daily Aircraft Takeoffs	28	23	28	31	21	21	18
Prorated Total Helio Activity	35						
Total Fixed Wing Activity	135						
Total Aircraft Takeoffs	170						

Source: DVRPC

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**2014/15 Aircraft Operations Counting Program**

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**Summit Airport (EVY)**

**New Castle County**

**Middletown, DE, 19709**

Runway Orientation: 17/35

Runway Length: 4,488 ft.

Turf Runway Orientation: 11/29

Turf Runway Length: 3,601 ft.

**Table 14: Summit Airport (EVY) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	39
Multi-Engine	2
Jet	0
Helicopter	0
Glider	0
Total	41

Source: AirNav.com

Summit Airport is owned and operated by Summit Aviation, which is a division of Greenwich Aero Group. The airport is located in Middletown, Delaware, just below the Chesapeake & Delaware Canal. The airport serves government agencies, law enforcement, and general aviation customers. Heavy maintenance of both airframe and power plants, along with avionics sales and services, is available.

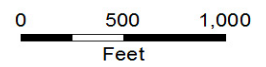
Summit maintains a turf runway during the spring through fall seasons if weather permits. DVRPC counting procedures included using an extra counter when the turf runway was opened.

Summit did not respond to requests for helicopter flight operations and did not provide a census of based aircraft. This greatly affected the flight operations counting results, which are understated for this airport with busy helicopter operations.

Figure 14: Summit Airport (EVY) Aerial Photo



Aerial Imagery: USDA Farm Service Agency NAIP, 2015



**2014/15 Aircraft Operations Counting Program**

**DVRPC Aircraft Counting Program**

Airport: Summit Airport (EVY)

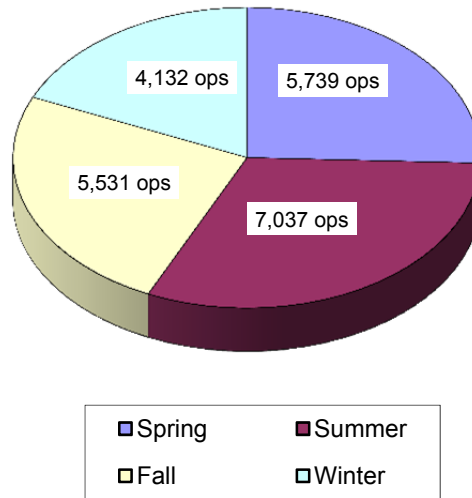
County: New Castle County

**Table 15: Summit Airport (EVY) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2014	61.71	5,739	26%
Summer	2014	74.86	7,037	31%
Fall	2014	62.14	5,531	25%
Winter	2015	46.43	4,132	18%
<b>Annual Operations:</b>		<b>2014/15</b>	<b>22,439</b>	

Margin of Error: 8 at 95% confidence  
Source: DVRPC

**Figure 15: Summit Airport (EVY) Seasonal Summary**



Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Spring I 2014

For: 22 May 2014 - 28 May 2014

Day->	Thurs 22-May	Fri 23-May	Sat 24-May	Sun 25-May	Mon 26-May	Tues 27-May	Wed 28-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am						1	1
7 am	1	1	1				
8 am	3		5	1	2	1	
9 am	2	2	3	3	1		
10 am	5	2	13	1	2	3	3
11 am	7	10	1	6	2	2	
12 pm	1	2	2	7	3	5	2
1 pm	5	2		2	3	2	1
2 pm	3	5		5	1	3	3
3 pm		2	3	5	4	1	2
4 pm		4		1	7	2	7
5 pm		1	3	1	1	1	5
6 pm		2			7		1
7 pm		1	3		3	1	3
8 pm		1			1		1
9 pm	4						
10 pm							
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	31	35	34	32	37	22	29
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	220						
Total Aircraft Takeoffs	220						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Spring II 2014

For: 17 June 2014 - 23 June 2014

Day->	Tues 17-Jun	Wed 18-Jun	Thurs 19-Jun	Fri 20-Jun	Sat 21-Jun	Sun 22-Jun	Mon 23-Jun
12 am							
1 am							
2 am			1				
3 am							
4 am							
5 am							
6 am		1					
7 am					1		
8 am	1	3	2		3	1	
9 am	2	1	1	3	6	6	1
10 am		1	3	7	2	5	1
11 am	2	2	4	1	3	6	9
12 pm	3	4	3	1	1	4	9
1 pm	1	1	1	7	1	2	1
2 pm	2	2	1	1	1	10	3
3 pm	3	1	1		3	7	1
4 pm	2	1	1	4	3	1	
5 pm	3		1	2	5	2	1
6 pm	3	3	4	2	3		6
7 pm	1	4			1		2
8 pm	2						
9 pm	1						
10 pm							
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	26	24	23	28	33	44	34
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	212						
Total Aircraft Takeoffs	212						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Summer I 2014

For: 16 July 2014 - 22 July 2014

Day->	Wed 16-Jul	Thurs 17-Jul	Fri 18-Jul	Sat 19-Jul	Sun 20-Jul	Mon 21-Jul	Tues 22-Jul
12 am							
1 am		2					
2 am							
3 am							
4 am							
5 am						1	1
6 am	1			1			
7 am	5		5	9			
8 am	3		2	1			
9 am	1	16		4	4		1
10 am	2	2	1	9	1	2	
11 am	6	2	3	2	1	5	3
12 pm	2		2	6	3	5	2
1 pm	5		6	1	4		1
2 pm	3	1	8	9	2	1	
3 pm	7	2	1	5	2	3	1
4 pm	6	3	1	1			2
5 pm	2	2	1	1		1	4
6 pm	1	3		1			3
7 pm		4	9	1		5	18
8 pm	5	1	2	4	1	7	
9 pm			1	1			
10 pm		1	1				
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	49	39	43	56	18	30	36
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	271						
Total Aircraft Takeoffs	271						

Source: DVRPC



## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Summer II 2014

For: 4 September 2014 - 10 September 2014

Day->	Thurs 4-Sep	Fri 5-Sep	Sat 6-Sep	Sun 7-Sep	Mon 8-Sep	Tues 9-Sep	Wed 10-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	2	3		1	2	
8 am	3	3	3	2	1	2	5
9 am	3	1	3	11	1	1	5
10 am	2	1	2	2	3	2	6
11 am	3	1	1	4	7	1	5
12 pm		3	2		6	3	3
1 pm	2	3	5	2	5	2	8
2 pm	1	2	4	4	5	3	5
3 pm		1	3	3	3	3	2
4 pm	2	1	4	3	4	5	3
5 pm		3	5	4	2	3	1
6 pm	10	2	1	2	4	1	2
7 pm	2	3	3	1	2	1	
8 pm		1	1				
9 pm							
10 pm				1			
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	29	27	40	39	44	29	45
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	253						
Total Aircraft Takeoffs	253						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Fall I 2014

For: 16 October 2014 - 22 October 2014

Day->	Thurs 16-Oct	Fri 17-Oct	Sat 18-Oct	Sun 19-Oct	Mon 20-Oct	Tues 21-Oct	Wed 22-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1		1				
8 am	1	2	1	1			
9 am	2	3	2	2			
10 am	1	2	3	3	1		
11 am	4	3	1	3	18	3	
12 pm	5	11	4	5	6	2	
1 pm	5		1	3	9	4	
2 pm	5	7		1	2	6	
3 pm	2	2	1	1	3	1	1
4 pm	2	4	1	3	4	3	
5 pm		2	6	1	2	14	
6 pm	1	2	1	1	3	6	
7 pm	1					3	
8 pm		2					
9 pm							
10 pm				1			
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	30	40	22	25	48	42	1
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	208						
Total Aircraft Takeoffs	208						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Fall II 2014

For: 12 December 2014 - 18 December 2014

Day->	Fri 12-Dec	Sat 13-Dec	Sun 14-Dec	Mon 15-Dec	Tues 16-Dec	Wed 17-Dec	Thurs 18-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1			4			
7 am	3				1	2	
8 am		4	2		3	3	
9 am	3	2	2	1	1	1	3
10 am	6	9	1	5	7	1	1
11 am	14	5	3	2	2	1	5
12 pm	1	3	4	2	3	7	1
1 pm	3	2	7	3	4	3	
2 pm	16	5	7	4	2	3	5
3 pm	5	9		4	1	1	1
4 pm	2	3		6	1	2	2
5 pm	1		1		1		
6 pm	1					1	
7 pm	1						
8 pm							
9 pm							
10 pm						1	
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	57	42	27	31	26	26	18
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	227						
Total Aircraft Takeoffs	227						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Winter I 2015

For: 29 January 2015 - 4 February 2015

Day->	Thurs 29-Jan	Fri 30-Jan	Sat 31-Jan	Sun 1-Feb	Mon 2-Feb	Tues 3-Feb	Wed 4-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1	2		1	
8 am	2		3	2	1	2	
9 am	1		3	1	1	3	1
10 am	4		3	1	3	5	1
11 am	3		1	2		3	2
12 pm	5		7	5	3	2	1
1 pm	1	1	1	9	5		3
2 pm	3		7	2	3	1	5
3 pm	2		1	4	3		3
4 pm	2	3	3	1	2	3	2
5 pm			1	3	1		1
6 pm	1		2	3	1	2	
7 pm					1		
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	24	4	33	35	24	22	19
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	161						
Total Aircraft Takeoffs	161						

Source: DVRPC

## 2014/15 Aircraft Operations Counting Program

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Weekly Activity Report  
 EVY Summit Airport  
 EVY Winter II 2015

For: 18 March 2015 - 24 March 2015

Day->	Wed 18-Mar	Thurs 19-Mar	Fri 20-Mar	Sat 21-Mar	Sun 22-Mar	Mon 23-Mar	Tues 24-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2		1		1	2	
8 am			2		2	1	
9 am	1	3			3	1	1
10 am	1	1	3	2	3	1	
11 am	2	7	3	8	1		9
12 pm	4	6	3	6	1		1
1 pm	5		3	1	1	1	
2 pm	1		1		1	3	1
3 pm	2	1	1	6	8	6	2
4 pm	3	1	1	2	3	2	4
5 pm	1	5	1	1		1	2
6 pm	1	1		4	1	1	
7 pm				1		2	
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helio Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	23	25	19	31	25	21	20
Prorated Total Helio Activity	0						
Total Fixed Wing Activity	164						
Total Aircraft Takeoffs	164						

Source: DVRPC



# 2014/15 Aircraft Operations Counting Program: Operations for Six Non-Towered Airports

**Publication Number:** 14018

**Date Published:** June 2016

**Geographic Area Covered:**

Burlington County and Mercer County in New Jersey; Bucks County and Delaware County in Pennsylvania; and New Castle County in Delaware.

**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 six non-towered airports in the Delaware Valley aviation planning area. Eight acoustic counts were taken at each airport, starting in April 2014 and ending in March 2015; 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 in the Delaware Valley and as a base for planning and forecasting documents.

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