

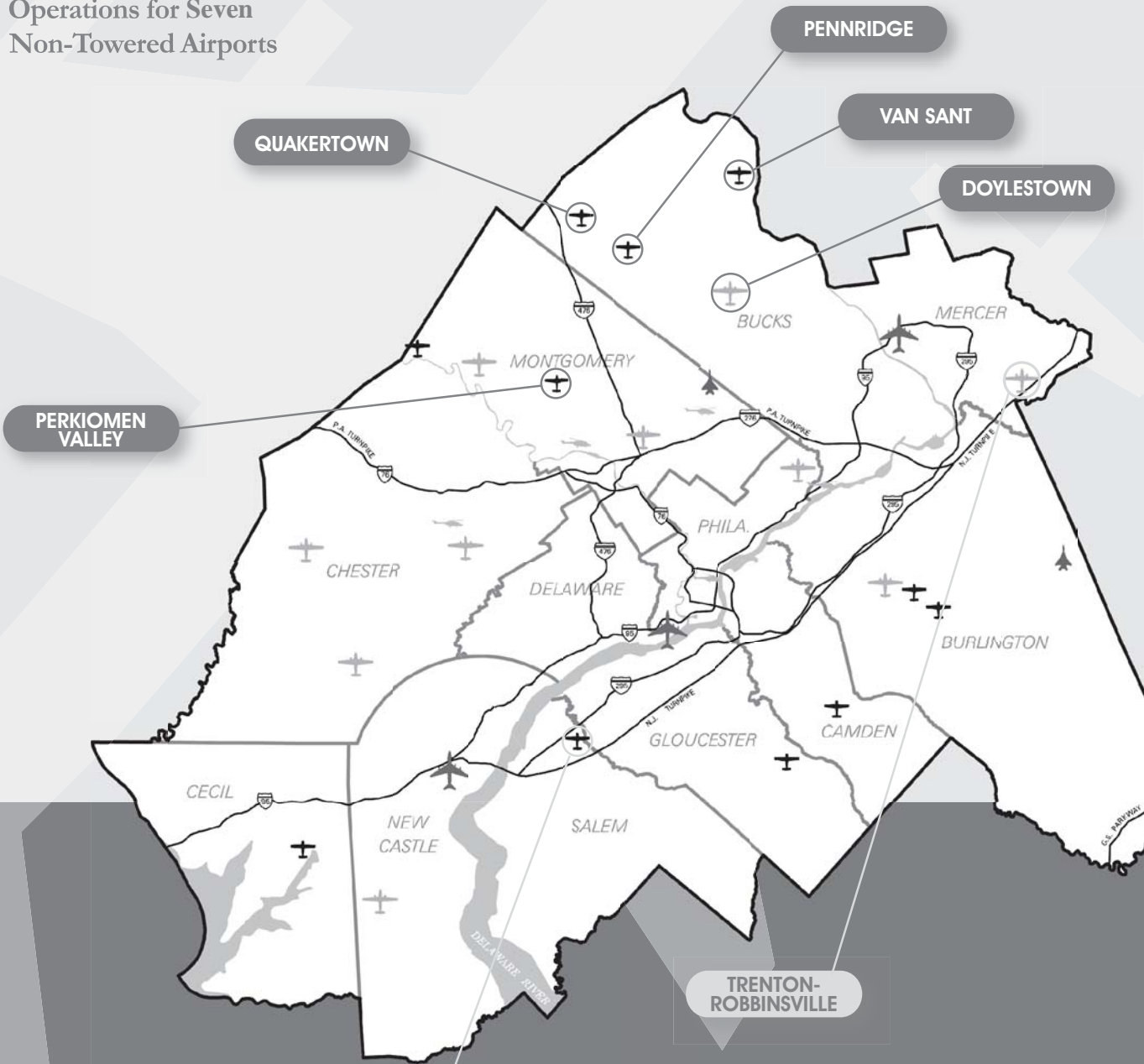









# DVRPC AIRCRAFT OPERATIONS COUNTING PROGRAM

## 2004/05

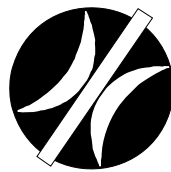
Operations for Seven  
Non-Towered Airports



	RELIEVER
	GENERAL AVIATION
	MILITARY
	HELIPORT
	COMMERCIAL

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**Created in 1965, the Delaware Valley Regional Planning Commission (DVRPC) is an interstate, intercounty and intercity agency that provides continuing, comprehensive and coordinated planning to shape a vision for the future growth of the Delaware Valley region. The region includes Bucks, Chester, Delaware, and Montgomery counties, as well as the City of Philadelphia, in Pennsylvania; and Burlington, Camden, Gloucester and Mercer counties in New Jersey. DVRPC provides technical assistance and services; conducts high priority studies that respond to the requests and demands of member state and local governments; fosters cooperation among various constituents to forge a consensus on diverse regional issues; determines and meets the needs of the private sector; and practices public outreach efforts to promote two-way communication and public awareness of regional issues and the Commission.**



**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. This study is funded exclusively by the Federal Aviation Administration (FAA). The authors, however, are solely responsible for its findings and conclusions, which may not represent the official views or policies of the funding agencies.**



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**Table Of Contents**

Introduction .....	1
Total Annual Airport Operations .....	3
Total Annual Fixed Wing Operations .....	4
Total Annual Helicopter Operations .....	5
Doylestown Airport (DYL) .....	7
Seasonal Estimates .....	9
Daily Activity .....	10
Pennridge Airport (N70) .....	19
Seasonal Estimates .....	21
Daily Activity .....	22
Perkiomen Valley Airport (N10) .....	31
Seasonal Estimates .....	33
Daily Activity .....	34
Quakertown Airport (UKT) .....	43
Seasonal Estimates .....	45
Daily Activity .....	46
Spitfire Aerodrome (7N7) .....	55
Seasonal Estimates .....	57
Daily Activity .....	58
Trenton-Robbinsville Airport (N87) .....	67
Seasonal Estimates .....	69
Daily Activity .....	70
Van Sant Airport (9N1) .....	79
Seasonal Estimates .....	81
Daily Activity .....	82
Comments .....	91

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## Introduction

The Delaware Valley Regional Planning Commission (DVRPC) has conducted aircraft operations counts at non-towered airports in a twelve county, four state region since 1986. In Fiscal Year 2004, CASP XX, the Federal Aviation Administration (FAA) funded program included 7 of 20 DVRPC non-towered Regional Airports System Plan (RASP) facilities. The 2004/2005 Program started in April 2004 and concluded in March 2005. This years counting program includes two reliever airports, Doylestown, PA and Trenton Robbinsville, NJ, as well as five general aviation airports, Pennridge, Perkiomen Valley, Quakertown, Van Sant, all in PA and Spitfire Aerodrome in NJ.

Pages 3 - 5 illustrate the trends for total, fixed wing and helicopter operations observed between the previous counts and the 2004/05 survey. This report provides the Larson & Davis Acoustic Counter Software (ACS) weekly takeoff data, as well as the projected seasonal and annual takeoff and landing totals as estimated by a separate DVRPC counting software for each surveyed airport during 2004/2005. 163582 total annual operations were estimated for the seven regional airports in this year's counting program, compared to 152498 total annual operations in the previous corresponding counting program. The comparison includes the same seven regional airports, indicating a 7.3% increase of total operations for 2004/2005 over the total aircraft operations counted during the previous estimates for these airports.

The following procedure is applied to all counts during the entire program. Eight one-week long counting surveys are taken over the course of one calendar year. These counts are scheduled twice each season. A four to six week interval between counts occurs before the equipment is set at the same airport again. Keeping the intervals between setting and resetting of the counters at each airport as consistent as possible ensures the most accurate statistical operations estimate. The LDL 820 Sound Level Meter is activated by set minimum noise levels only during aircraft takeoff activity. The data collected is saved to the LDL 820 memory. Staff collects the equipment after each week of counts. The data is downloaded to the ACS and then checked manually for event related errors. The ACS report format displays weekly aircraft operations (takeoffs only, since most propeller landings are almost silent) by hour and day for each week counted. Finally the data is entered into and extrapolated by the DVRPC counting software, which forecasts seasonal and annual total takeoffs and landings.

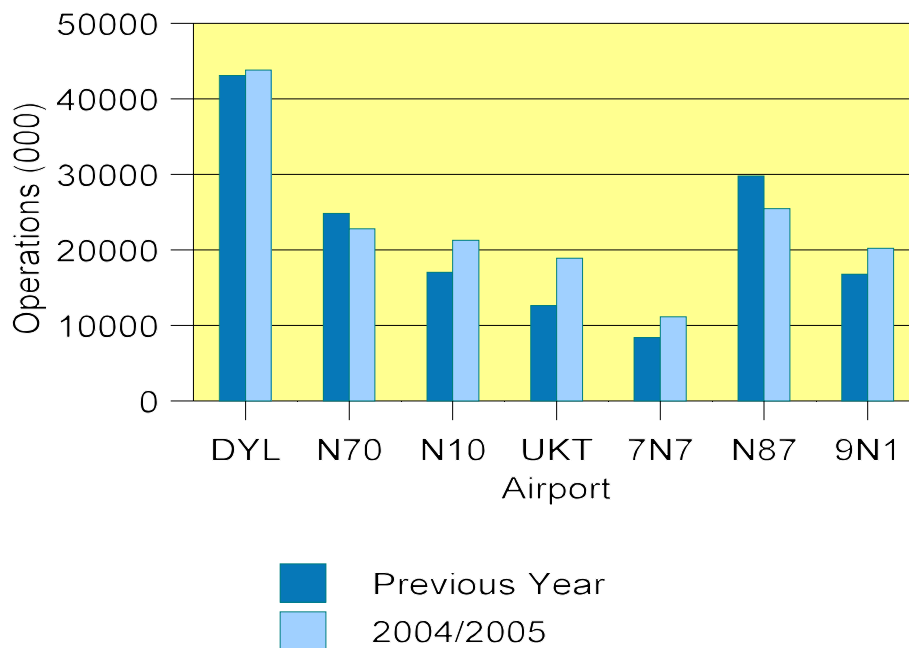
Historic counting data since 1986 is also available for all RASP airports through our Aviation Planning Office. Please contact Reiner Pelzer or Roger Moog at (215) 592-1800, or via e-mail at [rpelzer@dvrpc.org](mailto:rpelzer@dvrpc.org), [rmoog@dvrpc.org](mailto:rmoog@dvrpc.org) for more information.

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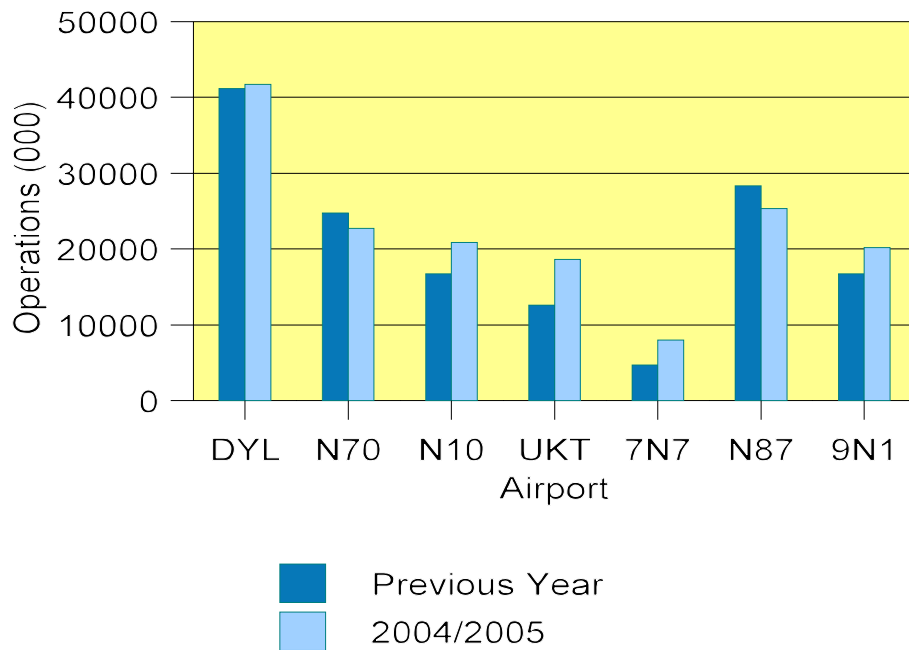
## Total Annual Airport Operations Previous Year Count vs. 2004/05 Counts

Airport	Annual Operations		Quantity	Percent
	Previous	2004/2005	Difference	Difference
	Year			
Doylestown (N88)	43103	43817	714	1.7
Penridge (N70)	24818	22805	-2013	-8.1
Perkiomen Valley (N10)	17040	21283	4243	24.9
Quakertown (UKT)	12627	18904	6277	49.7
Spitfire Aerodrome (7N7)	8363	11152	2789	33.3
Trenton-Robbinsville (N87)	29762	25401	-4361	-14.7
Van Sant (9N1)	16785	20220	3435	20.5
<b>TOTAL</b>	<b>152498</b>	<b>163582</b>	<b>11084</b>	<b>7.3</b>



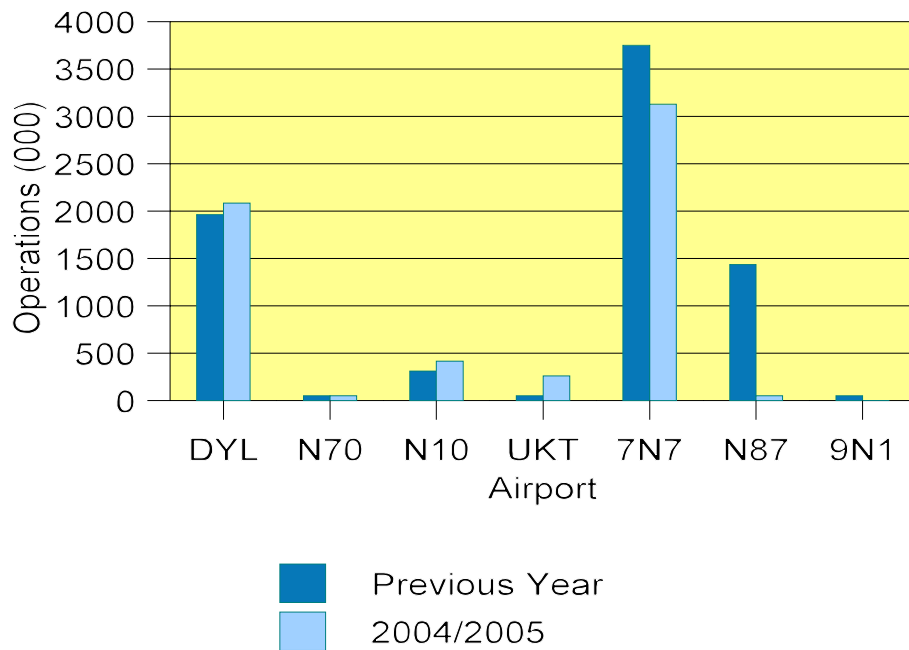
## Total Annual Fixed Wing Operations Previous Year Cont vs. 2004/05 Count

Airport	Annual Operations		Quantity Difference	Percent Difference
	Previous Year	2004/2005		
Doylestown (N88)	41140	41731	591	1.4
Pennridge (N70)	24766	22753	-2013	-8.1
Perkiomen Valley (N10)	16727	20866	4139	24.7
Quakertown (UKT)	12575	18643	6068	48.3
Spitfire Aerodrome (7N7)	4713	8023	3310	70.2
Trenton-Robbinsville (N87)	28326	25349	-2977	-10.5
Van Sant (9N1)	16732	20220	3488	20.8
<b>TOTAL</b>	<b>144979</b>	<b>157585</b>	<b>12606</b>	<b>8.7</b>



## Total Annual Helicopter Operations Previous Year Count vs. 2004/05 Count

Airport	Annual Operations		Quantity	Percent
	Previous	2004/2005	Difference	Difference
	Year			
Doylestown (N88)	1963	2086	123	6.3
Pennridge (N70)	52	52	0	0.0
Perkiomen Valley (N10)	313	417	104	33.2
Quakertown (UKT)	52	261	209	401.9
Spitfire Aerodrome (7N7)	3650	3129	-521	-14.3
Trenton-Robbinsville (N87)	1436	52	-1384	-96.4
Van Sant (9N1)	53	0	-53	-100.0
<b>TOTAL</b>	<b>7519</b>	<b>5997</b>	<b>-1522</b>	<b>-20.2</b>







## Doylestown Airport

### Bucks County

Doylestown, PA 18901

Runway:	5/23
Runway length:	3004 ft.
Total Based Aircraft:	187
Category:	Reliever

This is the second consecutive counting program at Doylestown Airport, as requested by the Bucks County Airport Authority (BCAA). Due to the sharp decrease in operations from a 1999 count of 51974 total operations and a 2002/03 count of 43103 operations, the BCAA felt it was appropriate to request a recount to confirm validity of the sharp drop in operations between 1999 and 2003. This years count confirmed the 2002/03 results and various facts support current operations totals. Interviews with the FBO indicated a reduction in fuel sales especially since the terrorist attacks on 9/11. Flight School attendance is down due to the combined impacts from the events on 9/11, the economic downturn, and aircraft insurance issues. DVRPC supports the current operations estimates and will schedule Doylestown for its next count within the original DVRPC counting cycle starting in 2006/07.



**DVRPC Aircraft Counting Program**

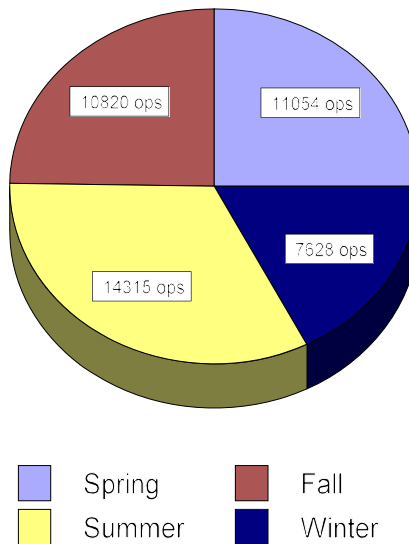
Annual Summary

Airport: **Doylestown DYL**

County: **Bucks**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	118.9	11054	25%
Summer	2004	152.3	14315	33%
Fall	2004	121.6	10820	25%
Winter	2005	85.7	7628	17%
Total Annual Operations:			<b>43817</b>	100%
Margin of Error:				12 at 95% Confidence

Annual Summary



Weekly Activity Report  
DYL Doylestown Airport

For: 21 Apr 2004 - 27 Apr 2004  
Spring Week I

Day->	Wed 21-Apr	Thurs 22-Apr	Fri 23-Apr	Sat 24-Apr	Sun 25-Apr	Mon 26-Apr	Tues 27-Apr
12 am							
1 am							
2 am							
3 am							
4 am			1				
5 am						1	
6 am	1		2	1			1
7 am	1		2	2	2	1	2
8 am	4	1	2	3	16	2	6
9 am	2	2	2	14	13		3
10 am	4	2	4	8	19		4
11 am	4	2	5	8	10		2
12 pm	2	3	4	9	1		2
1 pm		2	4	1	2		2
2 pm	1	3	7	6	2		2
3 pm	1		3	6	5	1	3
4 pm		2	1	4	6	2	
5 pm	2	2	4	4	1	1	5
6 pm	2		9	7	3	1	5
7 pm		2	5	4			3
8 pm				2		1	
9 pm			2				
10 pm							
11 pm							
Total	24	21	57	79	80	10	40
Events=							

Total Aircraft Takeoffs = 311

Weekly Activity Report  
DYL Doylestown Airport

For: 29 May 2004 - 04 Jun 2004  
Spring Week II

Day->	Sat 29-May	Sun 30-May	Mon 31-May	Tues 1-Jun	Wed 2-Jun	Thurs 3-Jun	Fri 4-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	2			2	2	4	4
7 am	2	5	5	2	2	3	5
8 am	4	9	11	1	9	7	8
9 am	5	16	6	1	2	10	5
10 am	2	20	5	3	3	2	9
11 am	8	10	2	2	6	4	8
12 pm	14	13	2	2	1	3	1
1 pm	5	15	1	5	3	2	8
2 pm	4	9	2	2	4	10	3
3 pm		6		2	6	8	6
4 pm	4	7		1	3	12	4
5 pm	8	5		1	4	3	5
6 pm	5	9		1	8	13	4
7 pm	10	7		2	5	6	4
8 pm	9	3	1	10	2	2	4
9 pm				1		1	
10 pm	2						
11 pm	2						
Total Events=	86	134	35	38	60	90	78

Total Aircraft Takeoffs = 521

Weekly Activity Report  
DYL Doylestown Airport

For: 07 Jul 2004 - 13 Jul 2004  
Summer Week I

Day->	Wed 7-Jul	Thurs 8-Jul	Fri 9-Jul	Sat 10-Jul	Sun 11-Jul	Mon 12-Jul	Tues 13-Jul
12 am				1			
1 am							
2 am							
3 am							
4 am							
5 am							1
6 am		1	1		1		
7 am		3	2	5			2
8 am		3	2	11	8		2
9 am		3	4	10	11		2
10 am	9	8	5	10	10		3
11 am	8	4	5	6	11		6
12 pm	3	6	3	3		2	1
1 pm	4	7	2	10	4	1	2
2 pm	4	4	2	8	7	2	4
3 pm	4	2	4	3	9	1	5
4 pm	2	5	5		4	1	13
5 pm	2	3	7	6	9		4
6 pm	2	2	6	2	6		9
7 pm		6	9	10	4		2
8 pm	2	8	2	5	3		7
9 pm		2	2				
10 pm	1	1	2				
11 pm		1	1				
Total Events=	41	69	64	90	87	7	63

Total Aircraft Takeoffs = 421

Weekly Activity Report  
DYL Doylestown Airport

For: 22 Aug 2004 - 28 Aug 2004  
Summer Week II

Day->	Sun 22-Aug	Mon 23-Aug	Tues 24-Aug	Wed 25-Aug	Thurs 26-Aug	Fri 27-Aug	Sat 28-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			1
7 am	2	2	6	1		1	2
8 am	16	1	7	3	2	4	8
9 am	17	11	11	2	8	1	13
10 am	10	5	3	1	13	3	8
11 am	13	7	7	4	9	7	6
12 pm	8	4	4	1	9	12	1
1 pm	9	2	9	4	7	8	2
2 pm	9	4	2	4	3	11	4
3 pm	6	4	1	8	3	6	3
4 pm	12	4	10	6	12	6	2
5 pm	16	10	6	10	4	3	5
6 pm	14	17	12	13	10	6	1
7 pm	11	5	5	25	5	5	1
8 pm	5	1	1	13	2	1	1
9 pm	5	4	1	3	2		
10 pm				4		1	
11 pm				1			
Total							
Events=	153	81	85	104	89	75	58

Total Aircraft Takeoffs = 645

Weekly Activity Report  
DYL Doylestown Airport

For: 06 Oct 2004 - 12 Oct 2004  
Fall Week I

Day->	Wed 6-Oct	Thurs 7-Oct	Fri 8-Oct	Sat 9-Oct	Sun 10-Oct	Mon 11-Oct	Tues 12-Oct
12 am							2
1 am							1
2 am							
3 am							
4 am							
5 am							2
6 am	4	4	3			1	2
7 am	2	1	4		2	1	10
8 am	5	4	4	2	2	1	3
9 am	4	3	9	4	17	2	3
10 am	2	5	11	5	14	3	5
11 am	3	7	6	10	2	3	4
12 pm	7	3	10	12	9	4	3
1 pm	8	2	3	16	9	2	5
2 pm	6	3	6	16	2	2	2
3 pm	4	2	6	9	5		1
4 pm	3	8	12	14	4		1
5 pm	12	9	9	16	3	6	2
6 pm	7	14	5	8	5		13
7 pm	5	7	1	1	2	4	2
8 pm	2	1	1				
9 pm	1					1	
10 pm		4					
11 pm							
Total Events=	75	77	90	113	76	30	61

Total Aircraft Takeoffs = 522



Weekly Activity Report  
DYL Doylestown Airport

For: 25 Nov 2004 - 01 Dec 2004  
Fall Week II

Day->	Thurs 25-Nov	Fri 26-Nov	Sat 27-Nov	Sun 28-Nov	Mon 29-Nov	Tues 30-Nov	Wed 1-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			2		3	3	
8 am	4	6	4		5	3	1
9 am		4	20	1	7		
10 am		7	18		11		5
11 am	3	5	6		4	6	5
12 pm	3	6	10	1	3	8	3
1 pm		6	6	1	4	6	4
2 pm	1	5	7		4	5	5
3 pm	1	8	4		1	4	4
4 pm		12	6		3	9	4
5 pm		5			7	3	3
6 pm					1	6	4
7 pm			1		1	2	6
8 pm			2	1		2	2
9 pm							
10 pm		1					
11 pm		2					
Total Events=	12	67	86	4	54	60	46

Total Aircraft Takeoffs = 329

Weekly Activity Report  
DYL Doylestown Airport

For: 28 Jan 2005 - 03 Feb 2005  
Winter Week I

Day->	Fri 28-Jan	Sat 29-Jan	Sun 30-Jan	Mon 31-Jan	Tues 1-Feb	Wed 2-Feb	Thurs 3-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1	1	1	1	1	1
8 am	2	2	4	2	2	3	3
9 am	2	7	2	1	2	1	2
10 am	2	5	8	2	4	2	2
11 am	2	7	10	4	2	1	5
12 pm	4	8	10	2	1		1
1 pm	3	4	2	11	2	2	2
2 pm	9	12	1	2	1	1	3
3 pm	1	5	3	1	2	2	2
4 pm	5	5	3	3	2	1	1
5 pm	7	5	3	1	8	2	4
6 pm	2	3	7	1	3		2
7 pm	1	5	6	2	3	2	1
8 pm	1	2	5	3	2		
9 pm				2			
10 pm						1	
11 pm							
Total							
Events=	42	71	65	38	35	19	29

Total Aircraft Takeoffs = 299

Weekly Activity Report  
DYL Doylestown Airport

For: 23 Feb 2005 - 01 Mar 2005  
Winter Week II

Day->	Thurs 23-Feb	Fri 24-Feb	Sat 25-Feb	Sun 26-Feb	Mon 27-Feb	Tues 28-Feb	Wed 1-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am					2	2	2
6 am		1	1	5	2	2	2
7 am	1	1	1	5	2	2	2
8 am	2	2	1	2	3	1	4
9 am	2	1	8	2	8	2	1
10 am	2	2	1	6	6	4	4
11 am	1	2	4	7	17	5	1
12 pm	3	1	3	3	4	4	5
1 pm	2	2	2	3	8	3	5
2 pm	1		3	3	10	3	6
3 pm	5		2	3	17	2	1
4 pm	10		4	1	8	1	2
5 pm	7		1	2	8	1	1
6 pm			5	1	7	1	
7 pm			2	1			
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	36	12	38	44	102	33	36

Total Aircraft Takeoffs = 301



## Pennridge Airport

**Bucks County**

Perkasie, PA 18944

Runway:	8/26
Runway length:	4215 ft.
Total Based Aircraft:	50
Category:	General Aviation

The airport underwent a major apron expansion during this year's counting cycle resulting in traffic irregularities. Based aircraft increased from 35 to 50. Operations levels stayed fairly consistent at 22805 compared to the year 2000 count of 24818. Inclement weather has been a factor especially during the summer months of 2004. Staff expects more significant growth at Pennridge over the next few years, especially in light of the current improvements and future increase in hangar capacity. The demand for hangar space in the Delaware Valley Region continues to be strong. Additional t-hangars and corporate hangars are expected to be built during 2005 in addition to the existing number of based aircraft.



**DVRPC Aircraft Counting Program**

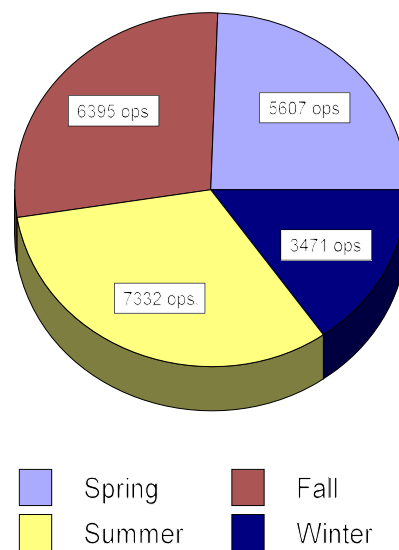
Annual Summary

Airport: **Pennridge N 70**

County: **Bucks**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	60.3	5607	25%
Summer	2004	78.0	7332	32%
Fall	2004	71.9	6395	28%
Winter	2005	39.0	3471	15%
Total Annual Operations:			<b>22805</b>	100%
Margin of Error:				12 at 95% Confidence

Annual Summary



Weekly Activity Report  
N70 Pennridge Airport

For: 05 May 2004 - 11 May 2004  
Spring Week I

Day->	Wed 5-May	Thurs 6-May	Fri 7-May	Sat 8-May	Sun 9-May	Mon 10-May	Tues 11-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am			6				
6 am		1		1			
7 am	1	1	1	1	1		
8 am	1	4	7	1	2		4
9 am		7	3	8	1	2	3
10 am		1	3	11	1		1
11 am	1	4	3	6	8	1	
12 pm				3	1		5
1 pm	1	6	2	7	4	2	1
2 pm		7	3	2	3	1	2
3 pm	1	5		6	5		1
4 pm		3		1	6		1
5 pm	2	4	1	3		1	
6 pm	6	2		3			1
7 pm		5	2	2			1
8 pm		4		3			
9 pm		1	1			2	
10 pm							
11 pm							
Total Events=	13	55	32	58	32	9	20

Total Aircraft Takeoffs = 219



Weekly Activity Report  
N70 Pennridge Airport

For: 19 May 2004 - 25 May 2004  
Spring Week II

Day->	Wed 19-May	Thurs 20-May	Fri 21-May	Sat 22-May	Sum 23-May	Mon 24-May	Tues 25-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am						1	
6 am	1						
7 am					1	2	2
8 am	1			1	4	3	2
9 am	2				8	4	1
10 am	2			2	12	3	1
11 am	2	3	4	1	12	1	2
12 pm	2	3	4	3	2	3	4
1 pm	1		2	2	2		4
2 pm	1	2		1	5		3
3 pm		6	1	2	5	1	1
4 pm		1		2	1	2	4
5 pm		5		1	2	2	2
6 pm		3		5			9
7 pm				3			4
8 pm	2	1	2	1			
9 pm		3			1		
10 pm			5	2			
11 pm			1	1			
Total Events=	14	27	19	27	55	22	39

Total Aircraft Takeoffs = 203

Weekly Activity Report  
N70 Pennridge Airport

For: 29 Jun 2004 - 05 Jul 2004  
Summer Week I

Day->	Tues 29-Jun	Wed 30-Jun	Thurs 1-Jul	Fri 2-Jul	Sat 3-Jul	Sun 4-Jul	Mon 5-Jul
12 am					1		
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				2	1	5	
8 am		2	1	2	3	5	3
9 am	2	2	4	1	1	6	4
10 am	1	6	1	2	8	2	1
11 am	4	2	4	9	7	2	1
12 pm	4	4	1	3	2	1	2
1 pm	2	2	3	4	3	2	2
2 pm	2	1	2	5	2	5	4
3 pm	1	1	5	2	5	1	6
4 pm	4	2	5	5	3	2	2
5 pm	1	7	1	2	4	2	1
6 pm	7	4	4	1	7	8	1
7 pm	8	4	5		2	7	
8 pm	7	2			2	2	
9 pm					2		
10 pm							
11 pm							
Total							
Events=	43	39	36	38	53	50	27

Total Aircraft Takeoffs = 286

Weekly Activity Report  
N70 Pennridge Airport

For: 17 Aug 2004 - 23 Jul 2004  
Summer Week II

Day->	Tues 17-Aug	Wed 18-Aug	Thurs 19-Aug	Fri 20-Aug	Sat 21-Aug	Sun 22-Aug	Mon 23-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am	1					3	
8 am	1				4	5	1
9 am	4		1	1	2	9	
10 am	1	1		3	2	6	2
11 am	4	2		3	5	5	3
12 pm	3	4	4	2	5	5	2
1 pm		3	2	3	5	8	2
2 pm		2	3	7	5	7	3
3 pm		2	3	3	12	4	1
4 pm		4	2	6	8	5	2
5 pm	1	2	2	1	1	3	2
6 pm	5	1	3	5		2	1
7 pm	10		3	3	1	1	5
8 pm	7						3
9 pm				1			
10 pm							
11 pm							
Total							
Events=	37	21	23	38	50	63	28

Total Aircraft Takeoffs = 260

Weekly Activity Report  
N70 Pennridge Airport

For: 30 Sep 2004 - 06 Oct 2004  
Fall Week I

Day->	Thurs 30-Sep	Fri 1-Oct	Sat 2-Oct	Sun 3-Oct	Mon 4-Oct	Tues 5-Oct	Wed 6-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		2	3	1	1	1	
8 am	1	2	2	4		4	1
9 am		1	1	2		4	3
10 am		1	3	8		2	2
11 am			1	7			5
12 pm		1	3	4			4
1 pm	1	1	1	3	2	5	3
2 pm		4	1	3	3	4	2
3 pm		2	1	11	5	2	
4 pm	2	8	5	4	3	7	1
5 pm	7	7	5	9	6	3	1
6 pm	6	9	2	7	6	3	1
7 pm	3	4		3	2	7	
8 pm	1	1				6	
9 pm						2	
10 pm					1		
11 pm							
Total							
Events=	21	43	28	66	29	50	23

Total Aircraft Takeoffs = 260

Weekly Activity Report  
N70 Pennridge Airport

For: 10 Nov 2004 - 16 Nov 2004  
Fall Week II

Day->	Wed 10-Nov	Thurs 11-Nov	Fri 12-Nov	Sat 13-Nov	Sun 14-Nov	Mon 15-Nov	Tues 16-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2	3	1			1	
8 am	1	4	3	3	1		8
9 am	1	5	4	3	2		8
10 am	2	3	1	2	4		3
11 am	2	3	1	3	9		1
12 pm	1	1	1	3	1	2	13
1 pm	1	10	4	2	3	2	7
2 pm	8	5	3	2	7	3	5
3 pm	2	7	3	5	2	5	1
4 pm	1	9		5	5	2	3
5 pm	1	1			4	3	3
6 pm	3				1	5	
7 pm				1		1	1
8 pm		1					
9 pm							
10 pm							
11 pm							
Total							
Events=	25	52	21	29	39	24	53

Total Aircraft Takeoffs = 243

Weekly Activity Report  
N70 Pennridge Airport

For: 13 Jan 2005 - 19 Jan 2005  
Winter Week I

Day->	Thurs 13-Jan	Fri 14-Jan	Sat 15-Jan	Sun 16-Jan	Mon 17-Jan	Tues 18-Jan	Wed 19-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1				
8 am			2	2		2	1
9 am	1		2	4		4	1
10 am	2		11	2		1	1
11 am	3		10	5		2	1
12 pm	2		1	3		1	2
1 pm	2		6	4			3
2 pm	1	1	5	7	1		1
3 pm			3	5			1
4 pm		4	2	3			
5 pm			1				
6 pm			1		5	5	
7 pm	1		1				
8 pm						1	
9 pm							
10 pm							
11 pm							
Total							
Events=	12	5	46	35	6	16	11

Total Aircraft Takeoffs = 131

Weekly Activity Report  
N70 Pennridge Airport

For: 16 Feb 2005 - 22 Feb 2005  
Winter Week II

Day->	Wed 16-Feb	Thurs 17-Feb	Fri 18-Feb	Sat 19-Feb	Sun 20-Feb	Mon 21-Feb	Tues 22-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					1
7 am		1	2		1		2
8 am	1		1	1	7		1
9 am	1		1	1	5	1	
10 am	2	1		6	7	7	2
11 am	3	1		5	17		3
12 pm	3	1	2	2	3		3
1 pm	2	1	1	1	10		
2 pm	2	1			3		
3 pm	1		1	1	3		
4 pm				5	5		1
5 pm				3	1		3
6 pm							1
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	15	7	8	25	62	8	17

Total Aircraft Takeoffs = 142





## Perkiomen Airport

**Montgomery County**

Collegeville, PA 19436

Runway: 9/27

Runway length: 2,960 ft.

Total Based Aircraft: 85

Category: General Aviation

At the request of the owner, this airport has been counted for a second consecutive cycle. Operations increased by 4243 takeoffs and landings, approximately 25% more than the 2002/03 count. Based aircraft increased by 35 airplanes based on staff manual counts.



**DVRPC Aircraft Counting Program**

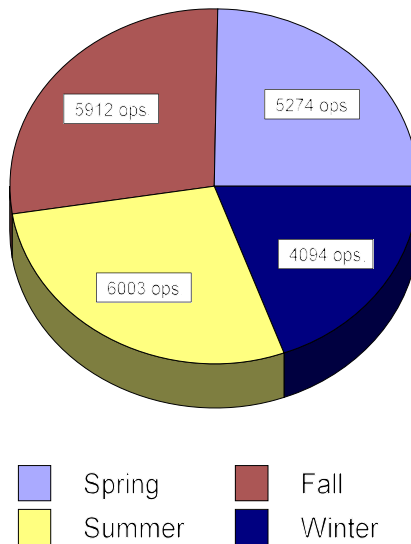
Annual Summary

Airport: **Perkiomen N 10**

County: **Montgomery**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	56.7	5274	25%
Summer	2004	63.9	6003	28%
Fall	2004	66.4	5912	28%
Winter	2005	46.0	4094	19%
Total Annual Operations:			<b>21283</b>	100%
Margin of Error:				19 at 95% Confidence

Annual Summary



Weekly Activity Report  
N10 Perkiomen Airport

For: 11 May 2004 - 17 May 2004  
Spring Week I

Day->	Tues 11-May	Wed 12-May	Thurs 13-May	Fri 14-May	Sat 15-May	Sun 16-May	Mon 17-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			
7 am				2			
8 am	1		1		3		
9 am		1	1		3	4	1
10 am	1	1	2		4		4
11 am	2	3	1		3		3
12 pm		1	5		3	2	1
1 pm	1	2	2		2	5	
2 pm	3	2	2	2		3	
3 pm	7		4	1	2	4	
4 pm	11	8	4			2	1
5 pm	3	5	3	1			2
6 pm	4	2	3	1		5	
7 pm	6	5	1				4
8 pm	1		1	1			1
9 pm							
10 pm							
11 pm							
Total							
Events=	40	30	33	6	20	25	17

Total Aircraft Takeoffs = 171

Weekly Activity Report  
N10 Perkiomen Airport

For: 19 May 2004 - 25 May 2004  
Spring Week II

Day->	Wed 19-May	Thurs 20-May	Fri 21-May	Sat 22-May	Sun 23-May	Mon 24-May	Tues 25-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				1	1		1
8 am				1		1	
9 am				8	5		
10 am		2		2			1
11 am				9	3		2
12 pm	1	8		5	3	1	1
1 pm	1	5	2	4	1		6
2 pm		2	2	6	1	1	4
3 pm		10	1	2	1	3	1
4 pm		6	2	2	1		1
5 pm		10	5	3		2	7
6 pm	5	10					6
7 pm	10	12	10	1	3	1	4
8 pm		2	1	3	5	2	
9 pm		2		1			
10 pm							
11 pm							
Total							
Events=	17	69	23	48	24	11	34

Total Aircraft Takeoffs = 226

Weekly Activity Report  
N10 Perkiomen Airport

For: 30 Jun 2004 - 06 Jul 2004  
Summer Week I

Day->	Wed 30-Jun	Thurs 1-Jul	Fri 2-Jul	Sat 3-Jul	Sun 4-Jul	Mon 5-Jul	Tues 6-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1		2		
8 am			2	1	3		
9 am	1	2	1	4	5		1
10 am	2		2	3	5		1
11 am	1		2	5	1	1	2
12 pm		3	2	1	9	1	4
1 pm	1	1	5	3	11		5
2 pm	5		2	2	1	2	2
3 pm	3	6	3	6	1		6
4 pm	1	2	1	5	6		2
5 pm	2			6	4		6
6 pm	8	4		1	3		2
7 pm	8		1	1	1		1
8 pm	1			2	1		
9 pm							
10 pm							
11 pm							
Total							
Events=	33	18	22	40	53	4	32

Total Aircraft Takeoffs = 202

Weekly Activity Report  
N10 Perkiomen Airport

For: 17 Aug 2004 - 23 Aug 2004  
Summer Week II

Day->	Tues 17-Aug	Wed 18-Aug	Thurs 19-Aug	Fri 20-Aug	Sat 21-Aug	Sun 22-Aug	Mon 23-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am						1	1
8 am				1	1	3	2
9 am	3		5		6	4	4
10 am	2		8		3	6	5
11 am			11	2	5	7	2
12 pm	1	1	1	1	6	4	
1 pm	4		2	2	1	1	4
2 pm			2	2	7	8	1
3 pm	3	2	3	3	7	8	2
4 pm				6	6	6	3
5 pm	1	1	5	3	4	4	
6 pm	9	3			2	2	1
7 pm	8	6	1	1	2	3	1
8 pm	1	1	1		1	2	1
9 pm				1			
10 pm							
11 pm							
Total							
Events=	32	14	39	22	51	59	28

Total Aircraft Takeoffs = 245

Weekly Activity Report  
N10 Perkiomen Airport

For: 29 Sep 2004 - 05 Oct 2004  
Fall Week I

Day->	Wed 29-Sep	Thurs 30-Sep	Fri 1-Oct	Sat 2-Oct	Sun 3-Oct	Mon 4-Oct	Tues 5-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1			1			
8 am	1	2					
9 am		1	2	4	3		2
10 am		1	1	7	2	1	
11 am	7	1		2	4		4
12 pm	3	8	4	1	2	1	
1 pm	2	2	2		1	3	2
2 pm	1	2	8		10	1	2
3 pm	2	2	7		17	1	5
4 pm	1	2	7	1	12	2	7
5 pm	3	3	12		13	3	6
6 pm	1	1	9		8	2	5
7 pm					2	1	1
8 pm			1				
9 pm							
10 pm					1		
11 pm							
Total							
Events=	22	25	53	16	75	15	34

Total Aircraft Takeoffs = 240



Weekly Activity Report  
N10 Perkiomen Airport

For: 10 Nov 2004 - 16 Nov 2004  
Fall Week II

Day->	Wed 10-Nov	Thurs 11-Nov	Fri 12-Nov	Sat 13-Nov	Sun 14-Nov	Mon 15-Nov	Tues 16-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		1		6	2		
9 am	1	4		4	8	1	2
10 am	5	5		11	4		2
11 am	2	3	1	6	3	1	1
12 pm	4	6	4	1	2	1	2
1 pm	3	8		2	1	1	5
2 pm	2	4		1	4	2	5
3 pm	4	1		2	4		13
4 pm	12	9			4	1	5
5 pm	3	11		2	5	3	4
6 pm		3		2			3
7 pm		2					
8 pm		1					
9 pm							
10 pm							
11 pm							
Total							
Events=	36	58	5	37	37	10	42

Total Aircraft Takeoffs = 225

Weekly Activity Report  
N10 Perkiomen Airport

For: 13 Jan 2005 - 19 Jan 2005  
Winter Week I

Day->	Thurs 13-Jan	Fri 14-Jan	Sat 15-Jan	Sun 16-Jan	Mon 17-Jan	Tues 18-Jan	Wed 19-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				1			
8 am	5						
9 am			19	5	1	1	3
10 am	3		21	2	2		2
11 am			12	3	1		3
12 pm			9	2	1	2	
1 pm			16	1			
2 pm			13	2	1	4	
3 pm			10	4		2	
4 pm	3		11	1	1		
5 pm			2				
6 pm			2				
7 pm			6		1		
8 pm		1					
9 pm							
10 pm							
11 pm							
Total							
Events=	11	1	122	20	8	9	8

Total Aircraft Takeoffs = 179

Weekly Activity Report  
N10 Perkiomen Airport

For: 16 Feb 2005 - 22 Feb 2005  
Winter Week II

Day->	Wed 16-Feb	Thurs 17-Feb	Fri 18-Feb	Sat 19-Feb	Sun 20-Feb	Mon 21-Feb	Tues 22-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						5	
8 am				1		2	
9 am	1			2	4		
10 am			1	4	4		1
11 am	1		7	7	7		1
12 pm	1		2	2			1
1 pm			3	4	3		
2 pm			1	1	6		1
3 pm		1	2	2	3		8
4 pm		2	2	7			6
5 pm		5	1				18
6 pm		1					6
7 pm	1						
8 pm	1						
9 pm							4
10 pm							
11 pm							
Total Events=	5	9	19	30	27	7	46

Total Aircraft Takeoffs = 143



# Quakertown Airport

**Bucks County**

Quakertown, PA 18951

Runway: 11/29

Runway length: 3,200 ft.

Total Based Aircraft: 83

Category: General Aviation

The airport increased operations by 6277 takeoffs and landings over their 2000 count primarily due to the reinstatement of a flight school and new FBO services. The development of new hangar capacity increased the based aircraft total by 11 to 83.



**DVRPC Aircraft Counting Program**

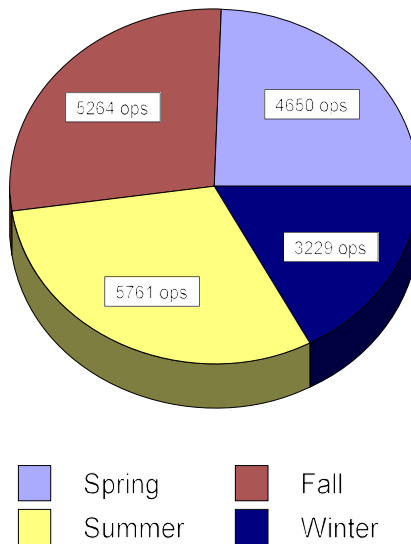
Annual Summary

Airport: **Quakertown UKT**

County: **Bucks**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	50.0	4650	25%
Summer	2004	61.3	5761	30%
Fall	2004	59.1	5264	28%
Winter	2005	36.3	3229	17%
Total Annual Operations:			<b>18904</b>	100%
Margin of Error:				15 at 95% Confidence

Annual Summary



Weekly Activity Report  
UKT Quakertown Airport

For: 05 May 2004 - 11 May 2004  
Spring Week I

Day->	Wed 5-May	Thurs 6-May	Fri 7-May	Sat 8-May	Sun 9-May	Mon 10-May	Tues 11-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am			2	1			
6 am		1					1
7 am		1			1		
8 am	1	1		2		2	
9 am	1	1	1	13		1	2
10 am	1	3		12		5	1
11 am		9		10	1	3	5
12 pm	1	2	2	7		3	
1 pm	2	5	4	5	1	1	3
2 pm	2	2	3	4	1	3	1
3 pm		2		5	1	1	
4 pm	3	2	5	4		3	3
5 pm	4	2	2	2		4	2
6 pm		8		2	4		1
7 pm	3	2		4			
8 pm		2					
9 pm		2					
10 pm							
11 pm							
Total							
Events=	18	45	19	71	9	26	19

Total Aircraft Takeoffs = 207



Weekly Activity Report  
UKT Quakertown Airport

For: 19 May 2004 - 25 May 2004  
Spring Week II

Day->	Thurs 19-May	Fri 20-May	Sat 21-May	Sun 22-May	Mon 23-May	Tues 24-May	Wed 25-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am	1					3	
6 am					1	1	
7 am	1				2		
8 am	1	1			2		
9 am	1			2	7		1
10 am	1	4		8	2	3	
11 am	4	3		1	2		
12 pm		3		3	5	1	1
1 pm		2		1	2	2	3
2 pm	1	1		1	3	1	
3 pm		2		2	1	2	1
4 pm		1		2		1	3
5 pm		3		1	1	1	
6 pm		6		7			2
7 pm	1	2		2			8
8 pm		4	2	1	1		
9 pm		2					
10 pm					1		
11 pm				1			
Total							
Events=	11	34	2	32	30	15	19

Total Aircraft Takeoffs = 143

Weekly Activity Report  
UKT Quakertown Airport

For: 30 Jun 2004 - 06 Jul 2004  
Summer Week I

Day->	Wed 30-Jun	Thurs 1-Jul	Fri 2-Jul	Sat 3-Jul	Sun 4-Jul	Mon 5-Jul	Tues 6-Jul
12 am							
1 am					1		
2 am							
3 am							
4 am							1
5 am							
6 am							
7 am	1			1	5		1
8 am	2		2		3		1
9 am	1	1	3	3	1	1	4
10 am	1	1	4	2	3	2	4
11 am	7	3		8			2
12 pm	6	1	2	4	2	1	5
1 pm	5	3			2		2
2 pm	2	1	2	3	1		
3 pm	1	2				3	3
4 pm	1	3	4	1		1	
5 pm	2			1	1	1	
6 pm			1				
7 pm	2		2	5			7
8 pm			1	1		1	5
9 pm	1			1			3
10 pm		2					1
11 pm	1	1					1
Total Events=	33	18	21	30	19	10	40

Total Aircraft Takeoffs = 171

Weekly Activity Report  
UKT Quakertown Airport

For: 14 Aug 2004 - 20 Aug 2004  
Summer Week II

Day->	Sat 14-Aug	Sun 15-Aug	Mon 16-Aug	Tues 17-Aug	Wed 18-Aug	Thurs 19-Aug	Fri 20-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am					2		2
6 am						1	1
7 am				5	1	2	
8 am				11		1	
9 am	1		1	2	1		3
10 am	5			5			4
11 am	3	3	1	4		1	2
12 pm	6		1	8	1	1	2
1 pm	5	3	2	2	2		7
2 pm	2	4	4	3			3
3 pm	8	5	5		2	6	
4 pm	4	4	2	3	7		2
5 pm	3	1	4	5			5
6 pm	6	6	8	6	5	1	3
7 pm	1	1	9	11	7	4	2
8 pm			1	2		1	
9 pm							
10 pm							
11 pm							
Total							
Events=	44	27	38	67	28	18	36

Total Aircraft Takeoffs = 258

Weekly Activity Report  
UKT Quakertown Airport

For: 29 Sep 2004 - 05 Oct 2004  
Fall Week I

Day->	Wed 29-Sep	Thurs 30-Sep	Fri 1-Oct	Sat 2-Oct	Sun 3-Oct	Mon 4-Oct	Tues 5-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							2
7 am	1	1	1	2		1	2
8 am			2	2			1
9 am	1			2		1	
10 am	2	1		4	2		4
11 am	2	1	1	3	6	1	2
12 pm	3			5	4	2	1
1 pm			4	3	8	3	4
2 pm	1	2	5	1	5	1	1
3 pm	5	1	3		5	2	
4 pm	3		2		5	2	1
5 pm			10		1	7	5
6 pm		1	9		7	10	2
7 pm		11				2	3
8 pm							3
9 pm	2					1	1
10 pm			1				
11 pm							
Total							
Events=	20	18	38	22	43	33	32

Total Aircraft Takeoffs = 206

Weekly Activity Report  
UKT Quakertown Airport

For: 10 Nov 2004 - 16 Nov 2004  
Fall Week II

Day->	Wed 10-Nov	Thurs 11-Nov	Fri 12-Nov	Sat 13-Nov	Sun 14-Nov	Mon 15-Nov	Tues 16-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			1
7 am		1	2		1		
8 am		2	1		3		
9 am	1	11	1	1	7	1	5
10 am	5	6		1	10	3	2
11 am	3	7		1	13	1	2
12 pm	1	3		2	8	7	3
1 pm	2	2			4	1	1
2 pm	3	1			8	1	1
3 pm	2	2			3	1	5
4 pm	2	3			7	3	9
5 pm	3	7			2	6	5
6 pm					1		
7 pm	1		1				1
8 pm							
9 pm							2
10 pm						1	
11 pm							
Total							
Events=	23	45	5	6	67	25	37

Total Aircraft Takeoffs = 208

Weekly Activity Report  
UKT Quakertown Airport

For: 13 Jan 2005 - 19 Jan 2005  
Winter Week I

Day->	Thurs 13-Jan	Fri 14-Jan	Sat 15-Jan	Sun 16-Jan	Mon 17-Jan	Tues 18-Jan	Wed 19-Jan
12 am							
1 am							
2 am							
3 am							
4 am	1						
5 am							
6 am	1				1		
7 am				1			
8 am			4	5			
9 am			3	2			
10 am			6	2		1	
11 am		2	5	8	1	2	
12 pm		4		2			1
1 pm		1	10	5	1	1	
2 pm		9	1	5	1	1	
3 pm		4	2	3	1	1	
4 pm		5	7	8	1		
5 pm				1			
6 pm	2	1	2				
7 pm	1						
8 pm	1						
9 pm							
10 pm						1	
11 pm						1	
Total							
Events=	6	26	40	42	6	8	1

Total Aircraft Takeoffs = 129

Weekly Activity Report  
UKT Quakertown Airport

For: 16 Feb 2005 - 22 Feb 2005  
Winter Week II

Day->	Wed 16-Feb	Thurs 17-Feb	Fri 18-Feb	Sat 19-Feb	Sun 20-Feb	Mon 21-Feb	Tues 22-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	1	2	2	2			1
8 am		1		1	1		
9 am	1	1	1	6	6		
10 am	3	2	3	3	2		1
11 am	3	1		4	6		1
12 pm	2	1		1	11		
1 pm		2	1	1	1		3
2 pm		4	1	3	4		1
3 pm		3			2		1
4 pm		2	1	5	2		5
5 pm		1			2		2
6 pm		1			1		1
7 pm							
8 pm		1	1				
9 pm							
10 pm	1	1					
11 pm							
Total							
Events=	12	23	10	26	38	0	16

Total Aircraft Takeoffs = 125





## Spitfire Aerodrome Airport

### Salem County

Pedricktown, NJ 08067

Runway:	7/25
Runway length:	2,450 ft.
Total Based Aircraft:	28
Category:	General Aviation

Since the 2000 aircraft operations counts, the airport owner has set up an office trailer at the airport and provides flight lessons for helicopter and fixed wing aircraft. Operations have since increased by 33%. However, these increases are based on a strong spring count with 50% of the total annual operations. It could not be determined why the sharp decline in operations occurred during the rest of the year. A major rehabilitation of the runway and apron areas, including lighting for the runway and the taxiway, was originally scheduled for the time the decline of operations began. This fact may have impacted the operations as well as the flight school activities. The runway rehabilitation project is well underway and scheduled for completion during calendar year 2005. In addition, a business plan, that includes new hangar space is currently being developed for the airport. The State of New Jersey will acquire Transfer of Development Rights to preserve the airport before the end of 2005. These improvements indicate significant increases in based aircraft and operations in the immediate years to come. The next aircraft operations count is scheduled for the year 2008/09.



**DVRPC Aircraft Counting Program**

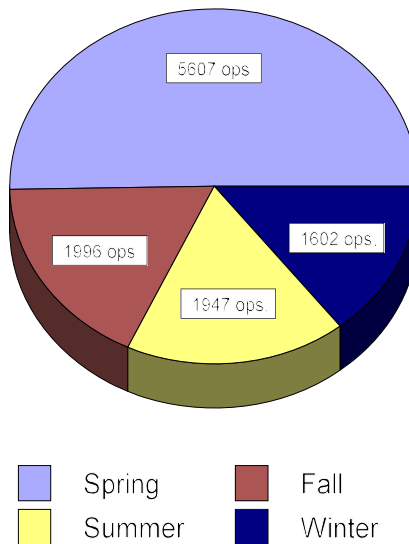
Annual Summary

Airport: **Spitfire Aerodrome 7N7**

County: **Salem**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	60.3	5607	50%
Summer	2004	20.7	1947	18%
Fall	2004	22.4	1996	18%
Winter	2005	18.0	1602	14%
Total Annual Operations:			<b>11152</b>	100%
Margin of Error:				20 at 95% Confidence

Annual Summary



Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 21 Apr 2004 - 27 Apr 2004  
Spring Week I

Day->	Wed 21-Apr	Thurs 22-Apr	Fri 23-Apr	Sat 24-Apr	Sun 25-Apr	Mon 26-Apr	Tues 27-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am						1	1
9 am					1		10
10 am		6	6	3	2		17
11 am		6	12				3
12 pm	2	6	1	1		6	6
1 pm	6	1	6				15
2 pm		14		3			4
3 pm		8	1	1			11
4 pm		12					
5 pm		5					
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	8	58	26	9	3	6	67

Total Aircraft Takeoffs = 177

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 10 Jun 2004 - 16 Jun 2004  
Spring Week II

Day->	Thurs 10-Jun	Fri 11-Jun	Sat 12-Jun	Sun 13-Jun	Mon 14-Jun	Tues 15-Jun	Wed 16-Jun
12 am						1	
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						2	
8 am						1	
9 am	2		2	4	1	1	
10 am		11	4			9	
11 am	7	8	2	3	1	8	1
12 pm	3	7	1	1	6	6	6
1 pm	9	8	2	4	6		1
2 pm	7	6	10			2	
3 pm	6	6	1	2	4	8	1
4 pm	6	1			7	3	8
5 pm	8				7	7	9
6 pm		1					
7 pm							1
8 pm	2						4
9 pm							
10 pm							
11 pm							
Total Events=	50	48	22	14	32	48	31

Total Aircraft Takeoffs = 245

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 14 Jul 2004 - 20 Jul 2004  
Summer Week I

Day->	Wed 14-Jul	Thurs 15-Jul	Fri 16-Jul	Sat 17-Jul	Sun 18-Jul	Mon 19-Jul	Tues 20-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1				
8 am				1			
9 am				4			1
10 am			1	4			
11 am	2		1			6	6
12 pm	1	6	1	1		1	1
1 pm	6	1	6				2
2 pm	1		1	1			
3 pm							
4 pm							
5 pm							2
6 pm		2					
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							2
Total Events=	10	9	11	11	0	7	14

Total Aircraft Takeoffs = 62

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 01 Sep 2004 - 07 Sep 2004  
Summer Week II

Day->	Wed 1-Sep	Thurs 2-Sep	Fri 3-Sep	Sat 4-Sep	Sun 5-Sep	Mon 6-Sep	Tues 7-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am			1				
9 am							
10 am				1			1
11 am	2			3			
12 pm	8	6	6	2		6	4
1 pm	6		4	2			6
2 pm		1	1			1	
3 pm	1	2		2		4	1
4 pm				1		1	
5 pm			1		1		1
6 pm	1		1			1	
7 pm	3		1				
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	21	9	15	11	1	13	13

Total Aircraft Takeoffs = 83

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 13 Oct 2004 - 29 Oct 2004  
Fall Week I

Day->	Wed 13-Oct	Thurs 14-Oct	Fri 15-Oct	Sat 16-Oct	Sun 17-Oct	Mon 18-Oct	Tues 19-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am	1			1	1		
10 am	5			5	2	1	
11 am		1	1			1	2
12 pm	6	6	6	1		6	6
1 pm	1						
2 pm						2	
3 pm	3						
4 pm	4			2		1	
5 pm	6	1			1	3	
6 pm	3					3	
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	29	8	7	9	4	17	8

Total Aircraft Takeoffs = 82



Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 26 Nov 2004 - 02 Dec 2004  
Fall Week II

Day->	Fri 26-Nov	Sat 27-Nov	Sun 28-Nov	Mon 29-Nov	Tues 30-Nov	Wed 1-Dec	Thurs 2-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		1					
9 am	2	2					
10 am	6					2	
11 am	2			2		6	2
12 pm	4			3	6	4	6
1 pm	1	2		1	1	4	
2 pm		1		6			
3 pm		1		2			1
4 pm		1				3	1
5 pm	1						
6 pm							
7 pm	1						
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	17	8	0	14	7	19	10

Total Aircraft Takeoffs = 75

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 03 Feb 2005 - 09 Feb 2005  
Winter Week I

Day->	Thurs 3-Feb	Fri 4-Feb	Sat 5-Feb	Sun 6-Feb	Mon 7-Feb	Tues 8-Feb	Wed 9-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am					1		
9 am			1	2	2		
10 am			1	1			1
11 am			1				
12 pm	6	1		6	6	6	6
1 pm	1	6	2	4			
2 pm			6	7			
3 pm			1	2			
4 pm			1				
5 pm					5	1	
6 pm					2		
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	7	7	13	23	15	7	7

Total Aircraft Takeoffs = 79

Weekly Activity Report  
7N7 Spitfire Aerodrome Airport

For: 03 Mar 2005 - 09 Mar 2005  
Winter Week II

Day->	Sat 3-Mar	Sun 4-Mar	Mon 5-Mar	Tue 6-Mar	Wed 7-Mar	Thurs 8-Mar	Fri 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am		2					
10 am		1		1			
11 am			2	6			
12 pm			1		6	6	6
1 pm			6		1		
2 pm				2			
3 pm			4				
4 pm			1				
5 pm							
6 pm		2					
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	0	5	14	9	7	6	6
Total Aircraft Takeoffs =		47					



## Trenton- Robbinsville Airport

**TRENTON ROBBINSVILLE AIRPORT**  
Mercer County  
Robbinsville, NJ 08691

Runway:	11/29
Runway length:	4,290 ft.
Total Based Aircraft:	71
Category:	Reliever

**GARMIN**  
AVIATION  
Sales & Service Center

**AIR MODS & REPAIR, INC.**  
SALES SERVICE  
PARTS  
24 HR. EMERGENCY SERVICE  
609-259-2400

Trenton Robbinsville airport shows a 14.7% decrease of operations over the 2000 count. The main reason for this decrease seems to be the complete closing of their flying club in March of 2004.



**DVRPC Aircraft Counting Program**

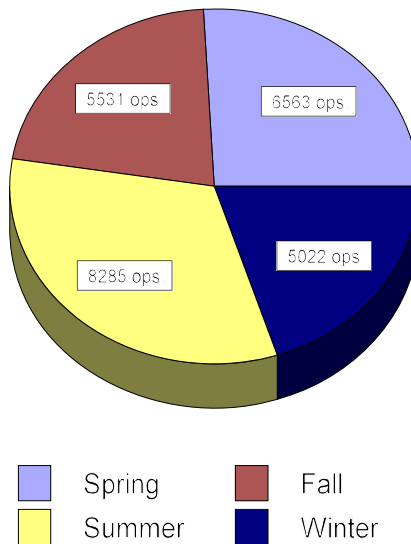
Annual Summary

Airport: **Trenton-Robbinsville N 87**

County: **Mercer**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	70.6	6563	26%
Summer	2004	88.1	8285	32%
Fall	2004	62.1	5531	22%
Winter	2005	56.4	5022	20%
Total Annual Operations:			<b>25401</b>	100%
Margin of Error:				16 at 95% Confidence

Annual Summary



Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 21 Apr 2004 - 27 Apr 2004  
Spring Week I

Day->	Wed 21-Apr	Thurs 22-Apr	Fri 23-Apr	Sat 24-Apr	Sun 25-Apr	Mon 26-Apr	Tues 27-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							1
6 am				1			
7 am					2		
8 am	2		1		2		2
9 am	2		3	6	8		3
10 am	2		6	10	5	1	1
11 am	1	1	4	6	11	2	4
12 pm		5	1	7	4	1	1
1 pm	2	3	1	3	1	3	
2 pm	2	1	2	7	2	3	2
3 pm	2	4	10		1	4	1
4 pm	1	2	3	1	2	3	
5 pm	4	5	6	5	2	4	
6 pm	1	1	1			1	
7 pm	1			3			1
8 pm				4			
9 pm							
10 pm							
11 pm							
Total							
Events=	20	22	38	53	40	22	16

Total Aircraft Takeoffs = 211



Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 11 Jun 2004 - 17 Jun 2004  
Spring Week II

Day->	Fri 11-Jun	Sat 12-Jun	Sun 13-Jun	Mon 14-Jun	Tues 15-Jun	Wed 16-Jun	Thurs 17-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am				1			
6 am					1	1	
7 am	3	4				1	
8 am	1	4	2			1	
9 am	5	8	7		1	1	
10 am	3	8	2	3	2		2
11 am	2	18	3			1	
12 pm	4	15	9		1		
1 pm	5	12	6	1		1	8
2 pm	1	12	3		3	7	5
3 pm	3	4	6		2	4	2
4 pm	6	10	3		2	2	
5 pm	4	2	1	3		1	
6 pm	11	1	1	1	2	6	1
7 pm	3	2	1	3		2	
8 pm		1		2	1	3	
9 pm	3	2			2		
10 pm							
11 pm							2
Total							
Events=	54	103	44	14	17	31	20

Total Aircraft Takeoffs = 283

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 14 Jul 2004 - 20 Jul 2004  
Summer Week I

Day->	Wed 14-Jul	Thurs 15-Jul	Fri 16-Jul	Sat 17-Jul	Sun 18-Jul	Mon 19-Jul	Tues 20-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1		1			1
7 am	1		2			1	1
8 am	6		2	2			1
9 am	2	1		11	1	2	9
10 am		3	13	8			2
11 am		3	3	13			3
12 pm	1	4	1	9			3
1 pm	3	3	7	4	3		6
2 pm	2	11	12	5		1	3
3 pm		9	7	6	1		2
4 pm		6		2			6
5 pm		5				3	13
6 pm			5			9	3
7 pm		7		1		4	9
8 pm		8	4			3	4
9 pm		7	6	5		1	
10 pm		2					
11 pm							
Total							
Events=	15	70	62	67	5	24	66

Total Aircraft Takeoffs = 309

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 08 Sep 2004 - 14 Sep 2004  
Summer Week II

Day->	Wed 8-Sep	Thurs 9-Sep	Fri 10-Sep	Sat 11-Sep	Sun 12-Sep	Mon 13-Sep	Tues 14-Sep
12 am							
1 am							
2 am					1		
3 am							
4 am							
5 am							
6 am							
7 am		1	1	2	1	4	1
8 am			3	2	2	1	1
9 am	1	1	3	10	11	1	6
10 am	1		2	10	3	1	9
11 am	4		2	6	8	10	9
12 pm	3		3	6	8	2	
1 pm	1		4	3	8	8	2
2 pm			11	4	4	1	10
3 pm			3	5	1	6	10
4 pm		1	9	5		6	1
5 pm			11	1	1	2	5
6 pm	3	1	3	1	1	3	
7 pm	5		8	4	3	2	
8 pm		2	1			2	
9 pm					1	4	1
10 pm							
11 pm							
Total							
Events=	18	6	64	59	53	53	55

Total Aircraft Takeoffs = 308

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 13 Oct 2004 - 19 Oct 2004  
Fall Week I

Day->	Wed 13-Oct	Thurs 14-Oct	Fri 15-Oct	Sat 16-Oct	Sun 17-Oct	Mon 18-Oct	Tues 19-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am				1			
6 am			1		1	1	1
7 am	2	1	1			1	1
8 am			1		3	1	1
9 am		1	5	3	4	2	1
10 am	1	3	6	6	3	3	1
11 am	3	1	4	11	4	4	4
12 pm	3	1	4	1		2	4
1 pm	3	1	1	1	2		5
2 pm	4			6	3	1	2
3 pm	8	1	1	2			1
4 pm	3	2		1	1	7	
5 pm	11	4			1	13	
6 pm	2			2		2	
7 pm		1					
8 pm	2					1	
9 pm							
10 pm							
11 pm							
Total							
Events=	42	16	24	34	22	38	21

Total Aircraft Takeoffs = 197

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 29 Nov 2004 - 05 Dec 2004  
Fall Week II

Day->	Mon 29-Nov	Tues 30-Nov	Wed 1-Dec	Thurs 2-Dec	Fri 3-Dec	Sat 4-Dec	Sun 5-Dec
12 am							
1 am							
2 am							
3 am							
4 am		1					
5 am				1			
6 am							
7 am							1
8 am		1	1	1	1		
9 am	2	8	2	1		7	2
10 am	6	3	2	3	3	3	3
11 am	1	6	4	4	4	4	11
12 pm	4	5	1	3		6	7
1 pm	2		1	6		7	11
2 pm	5	3		7	1	6	6
3 pm	2	6		4	3	4	4
4 pm	6	3		2	2	1	4
5 pm	5			1	5	3	3
6 pm	5	1			1		2
7 pm				4			
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	38	37	11	37	20	41	54

Total Aircraft Takeoffs = 238

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 27 Jan 2005 - 02 Feb 2005  
Winter Week I

Day->	Thurs 27-Jan	Fri 28-Jan	Sat 29-Jan	Sun 30-Jan	Mon 31-Jan	Tues 1-Feb	Wed 2-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						1	
8 am						1	
9 am				2			1
10 am				6		1	5
11 am	4			12			4
12 pm	1	8		11		1	2
1 pm	2	6		7	2	2	2
2 pm	4	6		13	1	5	2
3 pm	5	3		6	1	1	4
4 pm		3		9	4	1	6
5 pm		5		7			4
6 pm		5			1		1
7 pm		1					
8 pm							
9 pm		1					
10 pm							
11 pm							
Total							
Events=	16	38	73	9	12	22	34

Total Aircraft Takeoffs = 204

Weekly Activity Report  
N87 Trenton-Robbinsville Airport

For: 03 Mar 2005 - 09 Mar 2005  
Winter Week II

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am							
8 am		2					
9 am		3	1				
10 am		12	6	2		2	3
11 am	1	15	3	2			3
12 pm		20	5	1			5
1 pm	2	16	3	1			5
2 pm	2	3	1	1			1
3 pm	3	3	6	1		2	3
4 pm	7	9		4			5
5 pm	4	2		1		2	4
6 pm		1		1			2
7 pm	4	1	1				1
8 pm							2
9 pm							
10 pm							
11 pm							
Total							
Events=	23	88	26	14	0	6	34

Total Aircraft Takeoffs = 191





## Van Sant Airport

**Bucks County**

Erwinna, PA 18920

Runway:	7/25
Runway length:	3,058 ft. (turf)
Total Based Aircraft:	56 (16 Glider included)
Category:	General Aviation

The Bucks County Airport Authority (BCAA) acquired the airport just before this counting cycle. Operations have increased 20.5% over the 2000 count. No major changes are expected at the airport over the next few years.



**DVRPC Aircraft Counting Program**

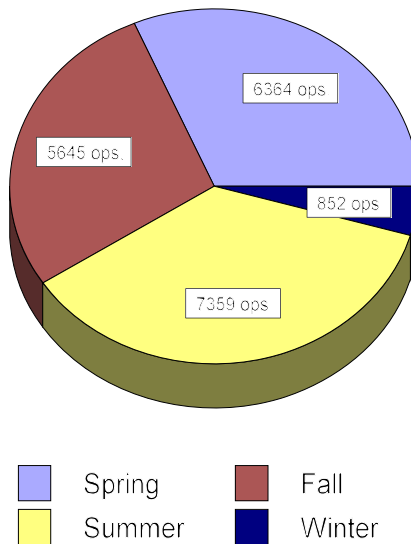
Annual Summary

Airport: **Van Sant**

County: **Bucks**

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent Of Annual Operations
Spring	2004	68.4	6364	32%
Summer	2004	78.3	7359	36%
Fall	2004	63.4	5645	28%
Winter	2005	9.6	852	4%
Total Annual Operations:			<b>20220</b>	100%
Margin of Error:			27 at 95% Confidence	

Annual Summary



Weekly Activity Report  
9N1 Van Sant Airport

For: 14 Apr 2004 - 20 Apr 2004  
Spring Week I

Day->	Wed 14-Apr	Thurs 15-Apr	Fri 16-Apr	Sat 17-Apr	Sun 18-Apr	Mon 19-Apr	Tues 20-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					2		
8 am				1	2		
9 am				1	1	1	1
10 am	3		2	6	7	2	1
11 am	1		5	11	9	1	1
12 pm	1		3	16	4	2	
1 pm			7	9	17		6
2 pm			7	13	11		1
3 pm			5	12	8		1
4 pm				12	8		5
5 pm				3	2		3
6 pm			1	4	2		5
7 pm			1	1			
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	5	0	31	89	73	6	24

Total Aircraft Takeoffs = 228

Weekly Activity Report  
9N1 Van Sant Airport

For: 29 May 2004 - 04 Jun 2004  
Spring Week II

Day->	Sat 29-May	Sun 30-May	Mon 31-May	Tues 1-Jun	Wed 2-Jun	Thurs 3-Jun	Fri 4-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		1					2
8 am		1					2
9 am	2	1	4			2	2
10 am	4	16					1
11 am	8	19	1			1	
12 pm	1	7				1	1
1 pm	5	12				4	2
2 pm	5	9			2		7
3 pm	1	10				3	4
4 pm	2	18				2	4
5 pm	3	12					6
6 pm	3	11		6	6	2	4
7 pm	6	14		3	1	4	
8 pm	1				1	1	
9 pm							
10 pm							
11 pm							
Total							
Events=	41	131	5	9	10	20	35

Total Aircraft Takeoffs = 251

Weekly Activity Report  
9N1 Van Sant Airport

For: 07 Jul 2004 - 13 Jul 2004  
Summer Week I

Day->	Wed 7-Jul	Thurs 8-Jul	Fri 9-Jul	Sat 10-Jul	Sun 11-Jul	Mon 12-Jul	Tues 13-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						1	
8 am				3	2		
9 am				1	1		
10 am				14	6		
11 am	5			14	8		
12 pm	6		1	10	8		12
1 pm				9	5		
2 pm				7	5		1
3 pm			2	5	7		
4 pm	2		2	8	4		3
5 pm			2	3	6		4
6 pm		1	5	3	6		
7 pm				8	6		
8 pm			1	3	1		1
9 pm							
10 pm							
11 pm							
Total							
Events=	13	1	13	88	66	0	21

Total Aircraft Takeoffs = 202

Weekly Activity Report  
9N1 Van Sant Airport

For: 22 Aug 2004 - 28 Aug 2004  
Summer Week II

Day->	Sun 22-Aug	Mon 23-Aug	Tues 24-Aug	Wed 25-Aug	Thurs 26-Aug	Fri 27-Aug	Sat 28-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	2			1		
8 am	3		2			1	
9 am	3	1	1				
10 am	9	1	6	1		3	14
11 am	16	2	5	1		7	15
12 pm	12	3	5		2	7	10
1 pm	17	5	6	5	3	3	6
2 pm	21	7	1	1	4	1	7
3 pm	17		3	2		1	2
4 pm	12	4	3	5		5	5
5 pm	10	10	6	6	2		4
6 pm	8	3	3	1			3
7 pm	3	3	1		2	1	
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	132	41	42	22	14	29	66

Total Aircraft Takeoffs = 346

Weekly Activity Report  
9N1 Van Sant Airport

For: 07 Oct 2004 - 13 Oct 2004  
Fall Week I

Day->	Thurs 7-Oct	Fri 8-Oct	Sat 9-Oct	Sun 10-Oct	Mon 11-Oct	Tues 12-Oct	Wed 13-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am	1	2		2			1
9 am		2		3			
10 am	3	2	3	5	2		4
11 am		12	5	7		1	4
12 pm	1	7	8	9	1		13
1 pm	3	4	8	8		1	1
2 pm		11	9	8	1		
3 pm		4	8	3			4
4 pm	2	8	12	5	2		1
5 pm		4	1			1	3
6 pm	5	4				1	3
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	15	60	54	50	6	4	34

Total Aircraft Takeoffs = 223



Weekly Activity Report  
9N1 Van Sant Airport

For: 17 Nov 2004 - 23 Nov 2004  
Fall Week II

Day->	Wed 17-Nov	Thurs 18-Nov	Fri 19-Nov	Sat 20-Nov	Sun 21-Nov	Mon 22-Nov	Tues 23-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		1		2	3	1	
8 am				3	7		
9 am			2	5	2		3
10 am	2	6		5	3	2	1
11 am	5	6	7	5	6	9	5
12 pm	6	2	2	12	5		7
1 pm	6		5	8	9	5	4
2 pm	8		7		5	5	5
3 pm	8		1	1	1	1	2
4 pm	1	1	8	2	2		
5 pm							
6 pm	1						
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	37	16	32	43	43	23	27

Total Aircraft Takeoffs = 221

Weekly Activity Report  
9N1 Van Sant Airport

For: 27 Jan 2005 - 02 Feb 2005  
Winter Week I

Day->	Thurs 27-Jan	Fri 28-Jan	Sat 29-Jan	Sun 30-Jan	Mon 31-Jan	Tues 1-Feb	Wed 2-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am			4				
10 am			4	2			
11 am			1			1	
12 pm		1	5	4			
1 pm			2	10			
2 pm			5	6			
3 pm		1	8	4			
4 pm		2		2			
5 pm							1
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	0	4	29	28	0	1	1
Total Aircraft Takeoffs =		63					

Weekly Activity Report  
 9N1 Van Sant Airport

For: 24 Feb 2005 - 02 Mar 2005  
 Winter Week II

Day->	Thurs 24-Feb	Fri 25-Feb	Sat 26-Feb	Sun 27-Feb	Mon 28-Feb	Tues 1-Mar	Wed 2-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am							
10 am							
11 am			2				
12 pm				1			
1 pm				1			
2 pm							
3 pm							
4 pm							
5 pm							
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Total							
Events=	0	0	2	2	0	0	0
Total Aircraft Takeoffs =			4				



## Comments



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## 2004/05 DVRPC Aircraft Operations Counting Program

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<b>Date Published:</b>	September 2005
<b>Geographic Area Covered:</b>	Chester, Delaware, Montgomery and Bucks Counties in Pennsylvania, Mercer, Burlington, Camden, Gloucester and Salem Counties in New Jersey, New Castle County in Delaware and Cecil County in Maryland.
<b>Key Words:</b>	Aircraft operations, airports, helicopter, aircraft, takeoffs, landings, count, activity, estimate, seasonal, annual, acoustic counter, based aircraft, runway length
<b>Abstract:</b>	This technical report compiles aircraft operations estimates for seven non-towered airports in the Delaware Valley Region. Eight acoustic counts were taken between April 2004 and March 2005, each sample extended over the period of one week. The samples were extrapolated over the entire year and produced the results presented in this report. These Results are used by multiple sources to monitor activity levels in the Delaware Valley Region, and as a base for planning and forecasting documents.

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