



CITY OF NAPLES AIRPORT AUTHORITY

QUARTERLY NOISE REPORT

NUMBER 41

For the period

January 1, 2007 through March 31, 2007

Prepared by
Airport Operations

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PART I AIRCRAFT OPERATIONS

INTRODUCTION

This is the forty-first Quarterly Noise Report prepared by the City of Naples Airport Authority - Airport Operations Department. This report is informational in nature. The data included in this report tracks aircraft operations and noise complaints. The information contained in this report is fiscal year (Oct. – Sept.). All percentages are rounded to the nearest percent.

AIRCRAFT OPERATIONS

Table I, page 2, Airport Traffic Summary, contains aircraft movement data from FAA Form 7230-1 and after hour statistics recorded by the City of Naples Airport Authority Security Officers. Naples Air Traffic Control Tower is operational from 6:00 AM through 10:00 PM. A single movement represents either one arrival or one departure by the indicated aircraft category.

This Quarter Compared to Previous Quarter

Compared to the previous quarter, air carrier traffic has increased by 45%; general aviation activity has increased by 8% and total traffic increased by 11%, from 34,775 operations to 38,655. The daily average for the Second Quarter was 430 operations.

This Quarter Compared to the Same Period One Year Ago

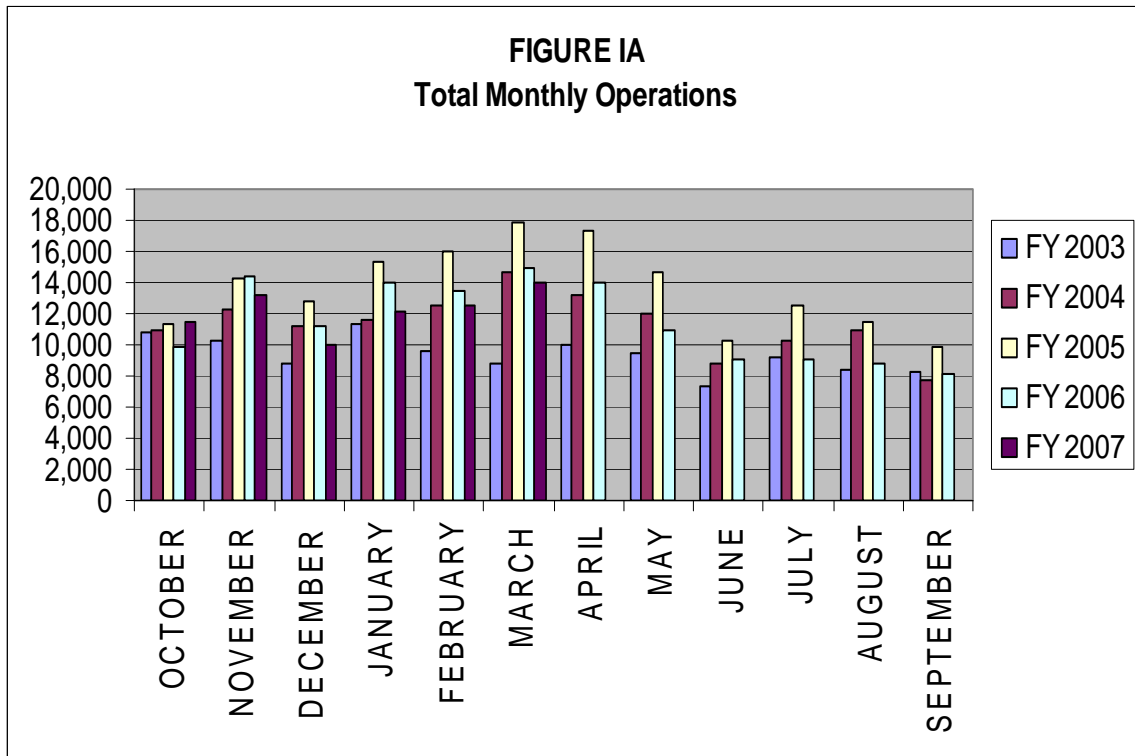
Compared to the same period last year, air carrier traffic has decreased by 12% and general aviation air traffic has decreased 8%. Total air traffic operations decreased by 9% from 42,274 operations to 38,655.

Table I

AIRPORT TRAFFIC SUMMARY
Landings and Takeoffs
Fiscal Years 2006-2007

YEAR	AIR CARRIER	GENERAL AVIATION	MILITARY	TOTAL TRAFFIC	DAILY AVERAGE
2006					
JANUARY	1,535	12,412	16	13,963	450
FEBRUARY	1,656	11,758	13	13,427	480
MARCH	1,652	13,230	2	14,884	480
TOTALS FOR 2nd QUARTER	4,843	37,400	31	42,274	470
APRIL	1,352	12,685	4	14,041	468
MAY	894	10,020	-	10,914	352
JUNE	613	8,507	-	9,120	304
TOTALS FOR 3rd QUARTER	2,859	31,212	4	34,075	375
JULY	467	8,551	28	9,046	292
AUGUST	492	8,338	8	8,838	285
SEPTEMBER	477	7,622	4	8,103	270
TOTALS FOR 4th QUARTER	1,436	24,511	40	25,987	282
TOTALS FOR FY06	12,371	125,423	114	137,908	379
2007					
OCTOBER	702	10,786	6	11,494	371
NOVEMBER	1,166	12,070	9	13,245	442
DECEMBER	1,070	8,960	6	10,036	324
TOTALS FOR 1st QUARTER	2,938	31,816	21	34,775	379
JANUARY	1,286	10,902	10	12,198	393
FEBRUARY	1,449	11,068	6	12,523	447
MARCH	1,538	12,392	4	13,934	450
TOTALS FOR 2nd QUARTER	4,273	34,362	20	38,655	430

Figure IA below illustrates the airport's month-by-month total operational levels for fiscal years 2003, 2004, 2005, 2006 and 2007.



There was a 9% decrease in overall airport operations during the Second Quarter of 2007, when compared to the same period in 2006.

Night Time Operations

Figure IB, below, illustrates the airport's total nighttime (10:00 PM – 7:00 AM) operational levels for fiscal year 2003, 2004, 2005, 2006 and 2007.

Total nighttime operations have increased by eighteen percent (18%) in the Second Quarter of 2007 when compared to the Second Quarter 2006 statistics. Jet operations occurring at night decreased by 51 operations and single and multi-engine aircraft operations increased by 130.

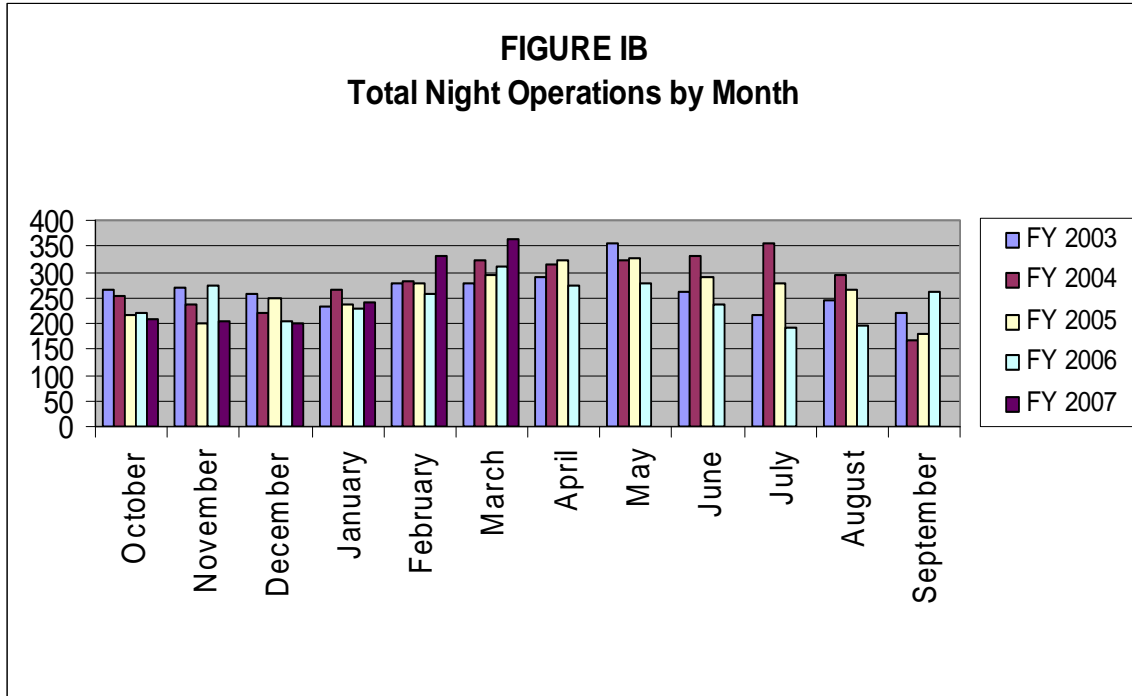


Table II, below, summarizes the types of nighttime operations occurring at the airport during the previous five quarters. Nighttime operations include voluntary curfew hours (10:00 PM through 7:00 AM). Reported nighttime operations have increased by 18% when compared to the same time last year; even though air carrier operations and general aviation jet traffic has seen a significant reduction of twelve percent (12%). Single and Multi-engine aircraft operations have increased by 47%.

Public Service operations represent 18% of the activity occurring at night and have increased fifty-five percent (55%). Nighttime operations accounted for two percent (2%) of the overall operations for the Second Quarter of 2007.

Table II
Quarterly Air Traffic Nighttime Operations Summary – by Fiscal Year

Activity	2 nd 2006	3 rd 2006	4 th 2006	1 st 2007	2 nd 2007
Jets					
Air Ambulance	8	2	3	5	5
Air Carrier	105	85	64	76	10
GA	296	181	72	153	343
Subtotal Jets	409	268	139	234	358
Single & Multi-engine (includes air carrier & GA)	279	345	314	249	409
Public Service					
Mosquito Control Operations	0	22	74	10	2
Collier Sheriff's Office	95	121	110	109	136
EMS	13	35	10	12	33
Coast Guard	2	0	0	0	0
Subtotal Public Service	110	178	194	131	171
Total	798	791	647	614	938

Figure IC, below, illustrates the airport's total nighttime (10:00 PM – 7:00 AM) operational levels for fiscal years 2001 through 2006.

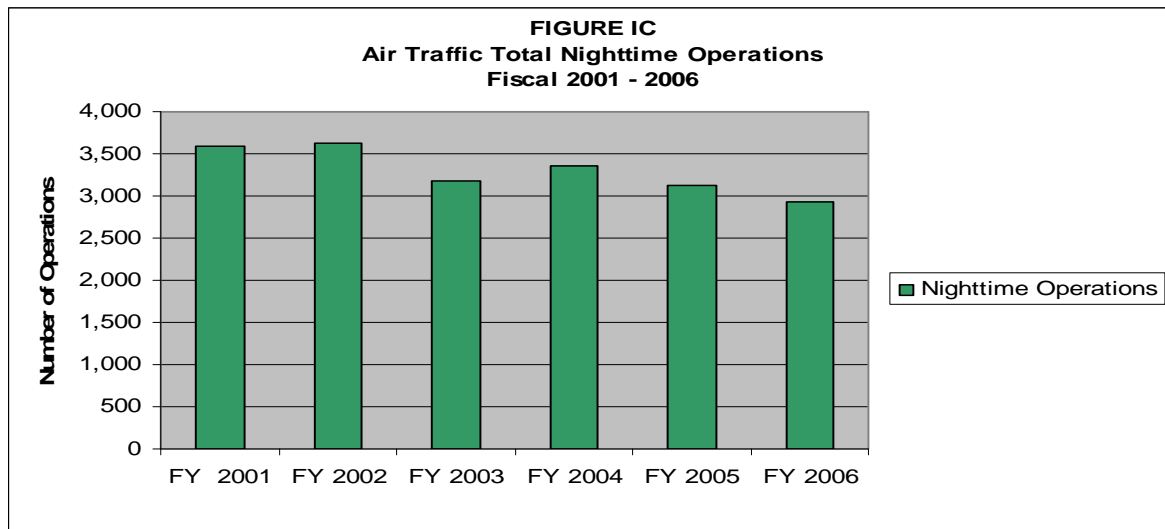


Table II A, depicts the percentage of nighttime operations as compared to total operations for the last five fiscal years. Night operations represent three percent (3%) for FY 02 – 03 and two percent (2%) of the total operations for FY 04, FY 05 and FY 06. This is a one percent (1%) decrease when compared to FY 02 – 03.

Table II A
Fiscal Year Percentage of Nighttime Operations

Fiscal Year	Total Operations	Night Operations	% of Night Ops	% of Jet Night Ops
2002	138,790	3,626	3%	21%
2003	112,308	3,170	3%	23%
2004	136,128	3,361	2%	23%
2005	163,434	3,130	2%	34%*
2006	137,908	2,935	2%	38%*

* Delta began CRJ service in FY05. They had 328 nighttime operations in FY 05 and 352 nighttime operations in FY 06. Without Delta's operations, the percentage of jet night operations in FY05 would have been twenty-four percent (24%) of the total nighttime operations and twenty-six percent (26%) of the total in FY 06.

PART II CITIZEN COMPLAINTS

Table III, on page 8, is a summary of citizen noise complaints separated according to four geographical areas (Quadrants). Below is a sample representation of the neighborhoods in each Quadrant. Every neighborhood in the area is not included in this list, although it is included in the Quadrant total.

Northeast Quadrant - Briarwood, Coconut River Estates, Golden Gate, Grey Oaks, Hawks Ridge, Wyndemere, and surrounding northeast areas.

Northwest Quadrant - Bears Paw, Coconut River Estates, Coquina Sands, Country Club of Naples, Lake Forest, Lake Park, Park Shore, Ridge Lakes, River Estates, River Reach, Sun Terrace, Moorings, Wilderness, and surrounding northwest areas.

Southwest Quadrant - Aqualane Shores, Old Naples, Port Royal, Royal Harbor, and surrounding southwest neighborhoods.

Southeast Quadrant - Brookside, Coconut Grove, Flamingo Estates, Foxfire, Kings Lake, Lakewood, Naples Gardens, Rock Creek Campground, The Glades, and surrounding neighborhoods.

The analysis will include the specific nature of the complaint, whether it was an arriving or departing aircraft or an overflight. Complaints relative to nighttime Mosquito Control operations, Air Ambulance Flights, Sheriff's Office and EMS helicopter operations are included in this report.

This Quarter Compared to Previous Quarter

This quarter's noise complaints, compared to the previous quarter, have increased from 260 to 555. Complaints received from neighborhoods to the northeast of the airport have increased by 261, from the northwest they have increased by 3, from the southeast they have decreased by 6, from the southwest increased by 35 and unknown increased by 2.

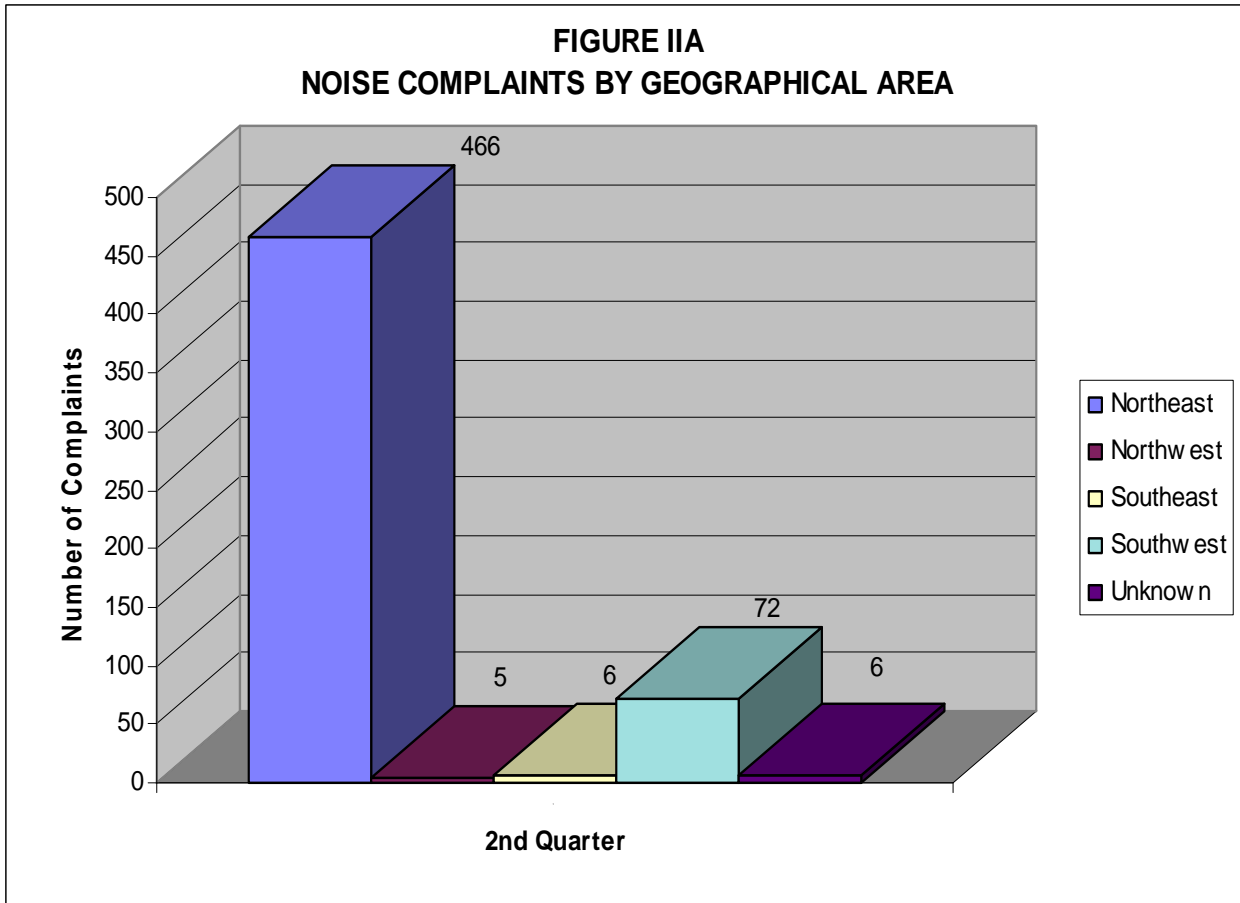
This Quarter Compared to the Same Period One Year Ago

Compared to the same period last year, the total number of complaints increased by 430 calls. Complaints received from neighborhoods to the northeast of the airport have increased by 456, from the northwest they have decreased by 6, from the southeast decreased by 2, from the southwest decreased by 24 and unknown increased by 6. Total complaints received have increased from 125 to 555.

Table III
AIRPORT NOISE COMPLAINT SUMMARY
Fiscal Years 2006-2007

YEAR	Northeast	Northwest	Southeast	Southwest	Unknown Location	Monthly Total
2006						
JANUARY	2	9	6	12	-	29
FEBRUARY	4	-	-	50	-	54
MARCH	4	2	2	34	-	42
TOTALS FOR 2nd QUARTER	10	11	8	96	-	125
APRIL	12	1	3	116		132
MAY	14	1	-	15	1	31
JUNE	1			2		3
TOTALS FOR 3rd QUARTER	27	2	3	133	1	166
JULY			1	2	1	4
AUGUST	1			1		2
SEPTEMBER	1				1	2
TOTALS FOR 4th QUARTER	2	-	1	3	2	8
TOTALS FOR FY06	46	20	20	261	4	351
2007						
OCTOBER	9	-	-	11	2	22
NOVEMBER	120	2	7	18	-	147
DECEMBER	76	-	5	8	2	91
TOTALS FOR 1st QUARTER	205	2	12	37	4	260
JANUARY	274	5	4	14	2	299
FEBRUARY	164	-	1	29	3	197
MARCH	28	-	1	29	1	59
TOTALS FOR 2nd QUARTER	466	5	6	72	6	555

Figure IIA, below, graphically compares the noise complaints received by geographical areas based on data collected during the Second Quarter of 2007. Total complaints for this quarter have increased by four hundred and thirty (430) when compared to the same period one year ago. One family from the northeast made 322 complaints during this quarter.



PART III COMPLAINTS BY TIMEFRAME

Figure IIIA, below, depicts noise complaints for the Second Quarter according to the time of the single event. Most complaints were received about operations occurring between 7:00 AM and 8:00 AM (21%). The high number of complaints beginning at 7:00 AM may be a result of aircraft waiting for the voluntary nighttime curfew (2200 – 0700) to end before they operate. Fourteen percent (14%) of the total complaints were received during the voluntary curfew hours.

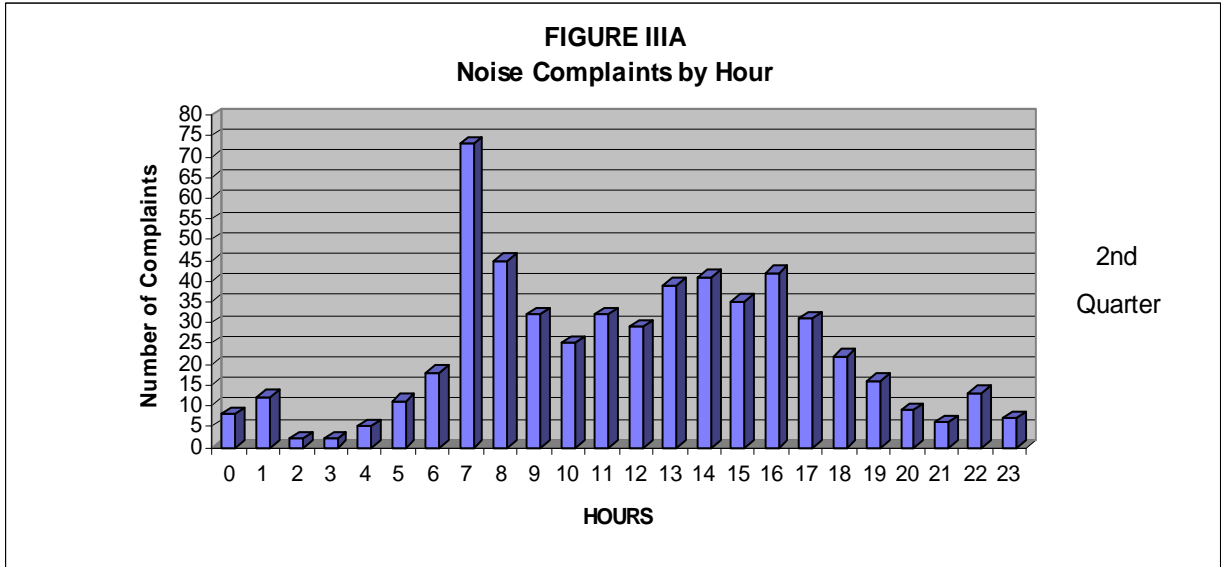
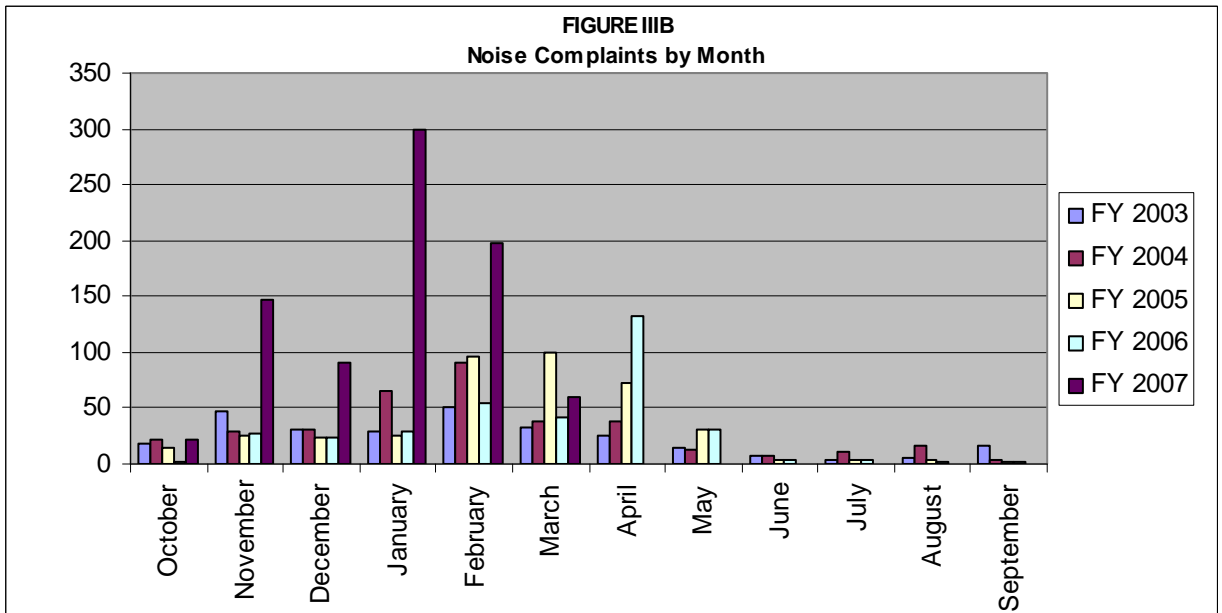


Figure IIIB below, illustrates the airport’s complaint volume for fiscal years 2003, 2004, 2005, 2006 and 2007.



PART IV COMPLAINTS BY OPERATIONAL SOURCE

Figure IVA below, indicates what types of aircraft the complainants were calling about. Four hundred and seventy (470) of the complaints were about Stage 3 jet aircraft operations and twenty-five (25) complaints were in reference to Stage 2 air ambulance operations. Thirty (30) of the total thirty-three (33) Turbo-prop complaints were in reference to the Avanti Piaggio.

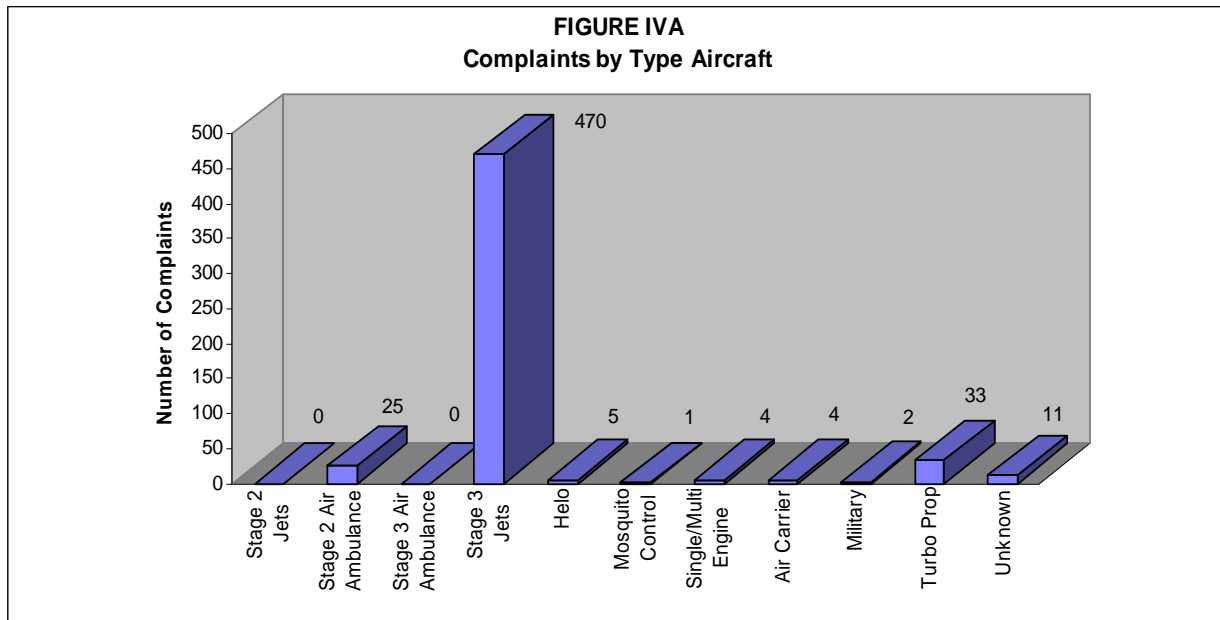
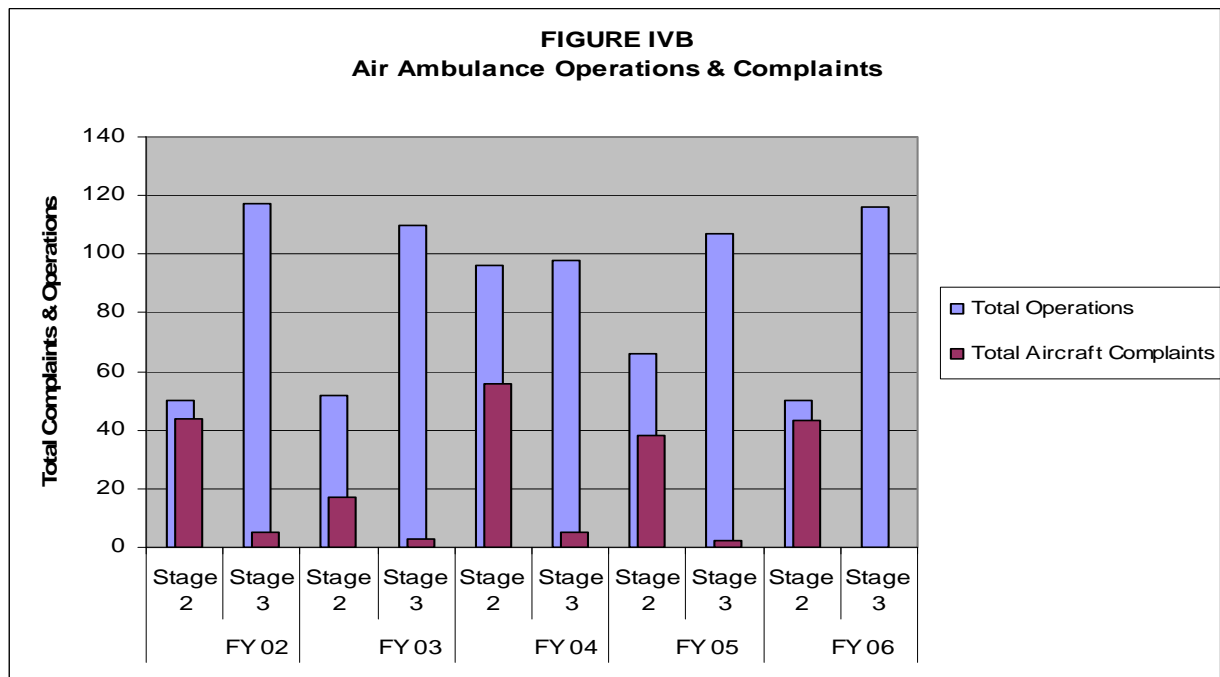
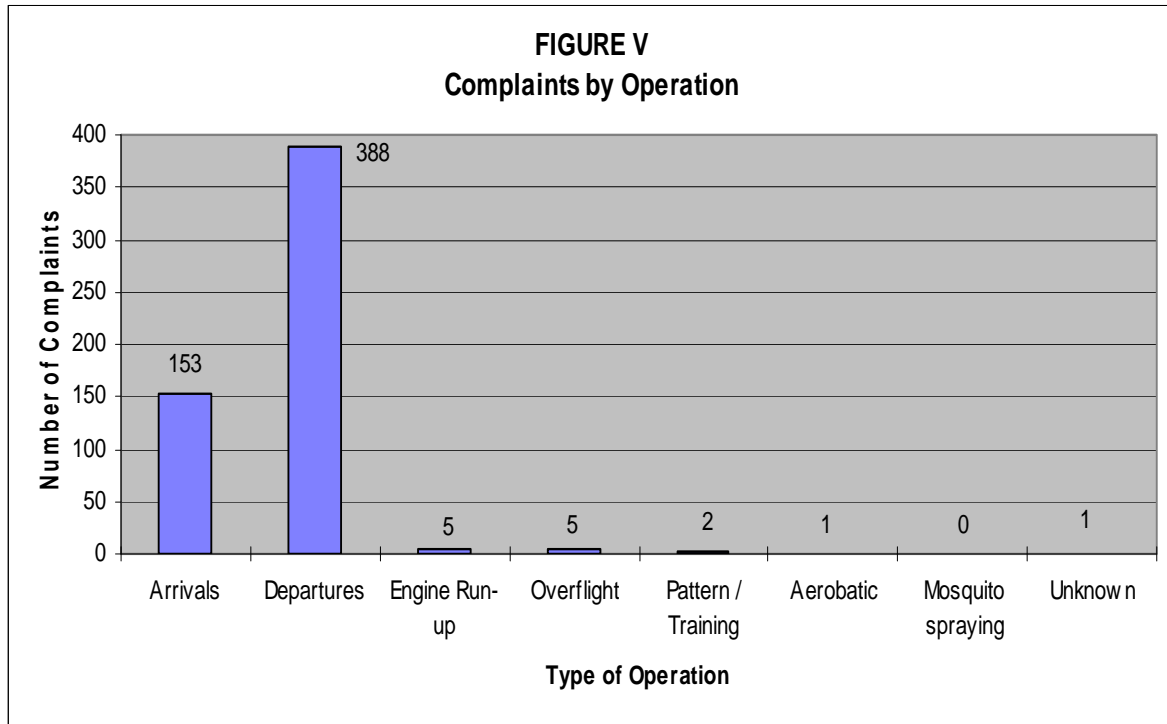


Figure IVB, below, depicts operations and noise complaints received from Stage 2 and Stage 3 Air Ambulances during FY 2002, 2003, 2004, 2005 and 2006.



**PART V
COMPLAINTS BY OPERATION**

Figure V, below, shows the operational source of the noise complaints from the Second Quarter of 2007.



SUMMARY

Air Traffic

Compared to the previous quarter, air carrier traffic has increased 45%, general aviation traffic has increased by 8%, and total air traffic has increased by 11%. Compared to the same period one year ago, air carrier traffic decreased 12%, general aviation operations have decreased by 8%, and total traffic has decreased 9%.

Nineteen percent (19%) of the total nighttime operations were attributed to Emergency Services helicopters and air ambulance jet aircraft and one percent (1%) of the operations were attributed to air carrier service. **Jet aircraft operations at night have decreased by fifty-one (51) operations when compared to same period last year.** Single and multi-engine aircraft operations have increased by one hundred and thirty (130) operations and Mosquito Control operations have increased by two (2) operations. Total nighttime operations have increased by one hundred and forty (140) operations when compared to last year.

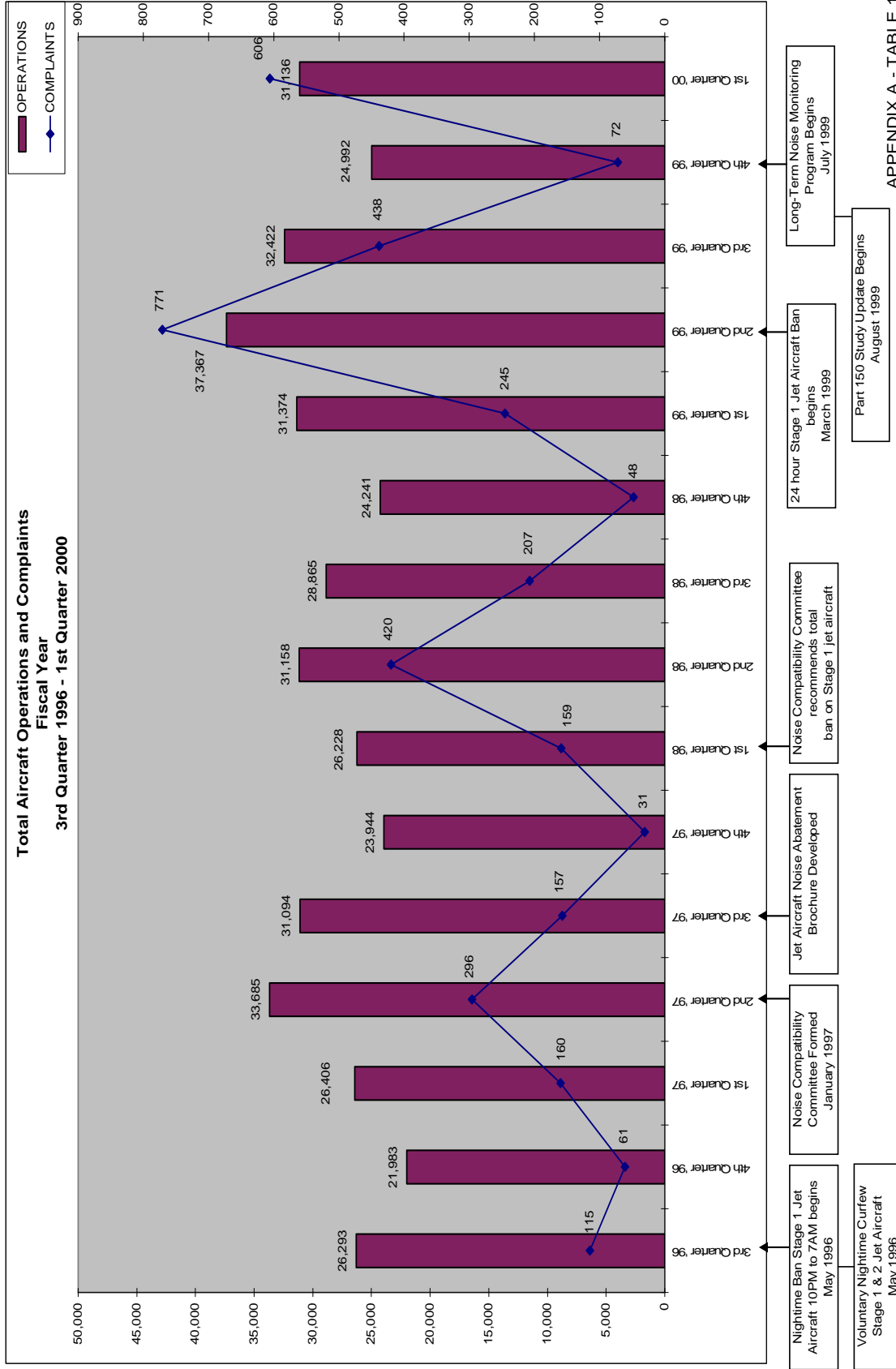
Noise Complaints

Compared to the previous quarter, noise complaints have increased from 260 to 555. Northeast Quadrant neighborhoods generated the most complaints during the Fiscal Second Quarter of 2007, with a total of 466 complaints. Other areas generated the following number of complaints: Northwest-5, Southwest-72, Southeast-6 and Unknown locations-6.

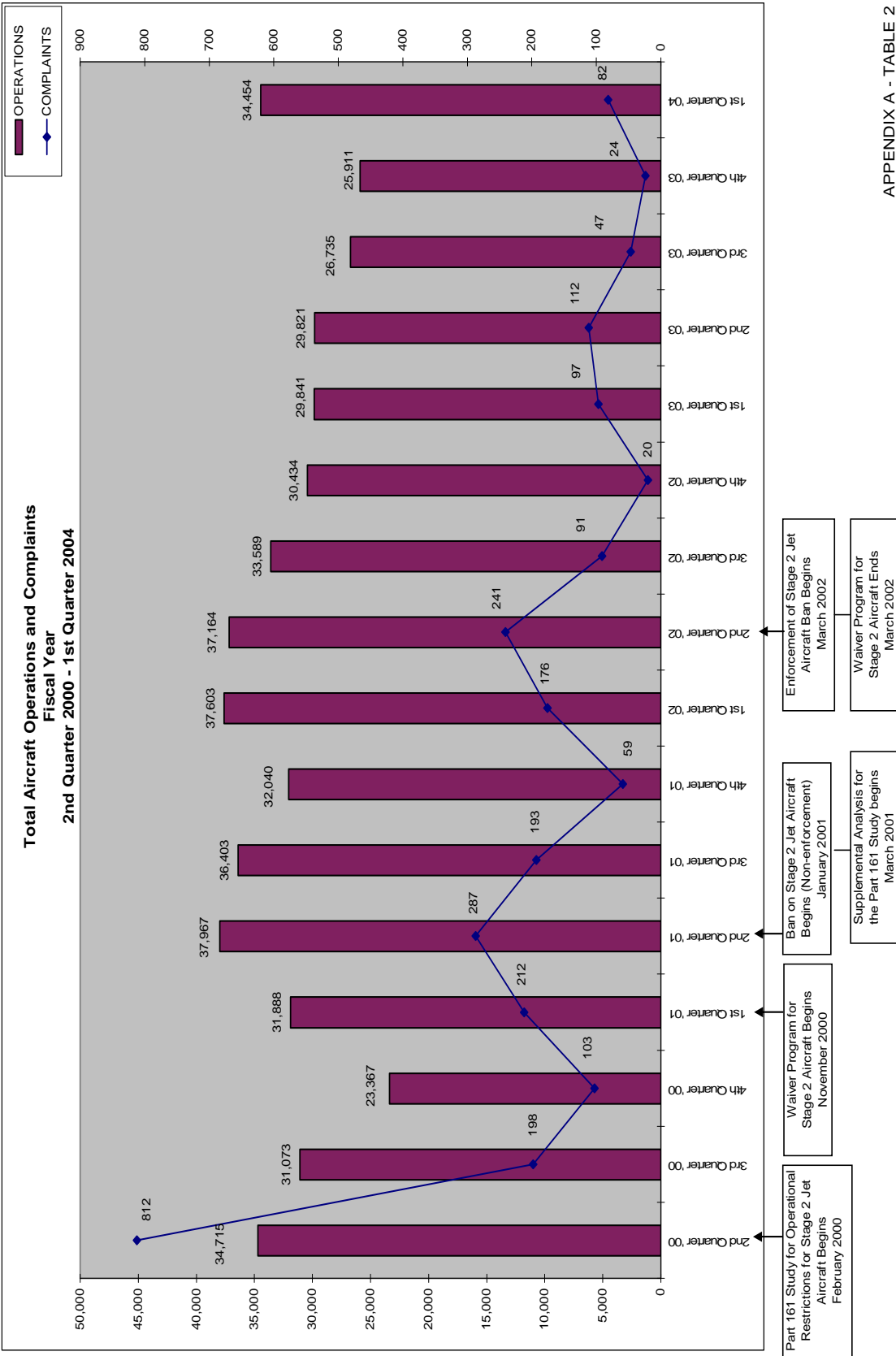
Noise Complaints by Family

Ninety-five (95) different families made 555 complaints to the Noise Abatement Office during the Fiscal Second Quarter of 2007. One family from the northeast made 323 calls or 58% of the total complaints for this quarter.

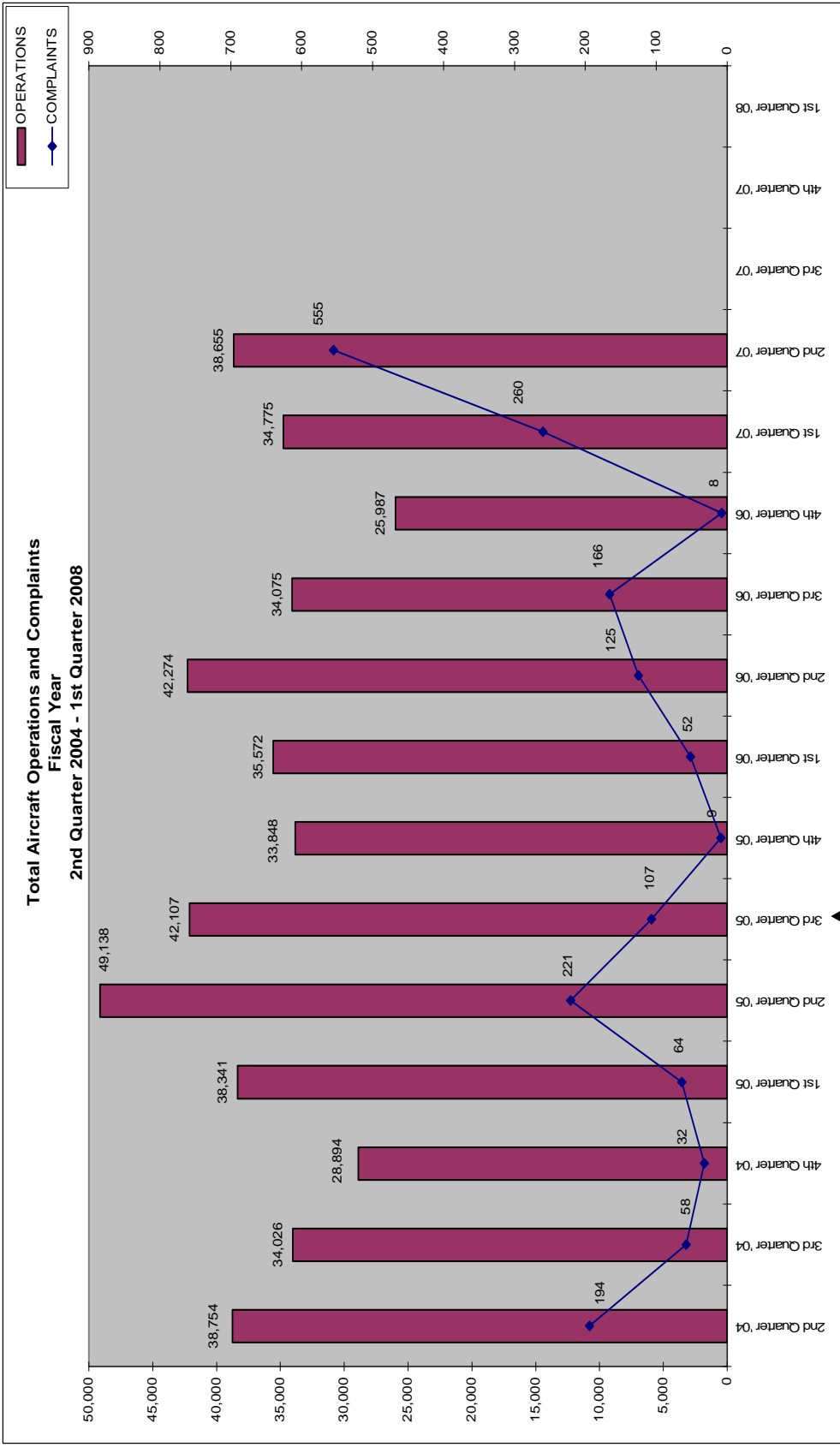
**Total Aircraft Operations and Complaints
Fiscal Year
3rd Quarter 1996 - 1st Quarter 2000**



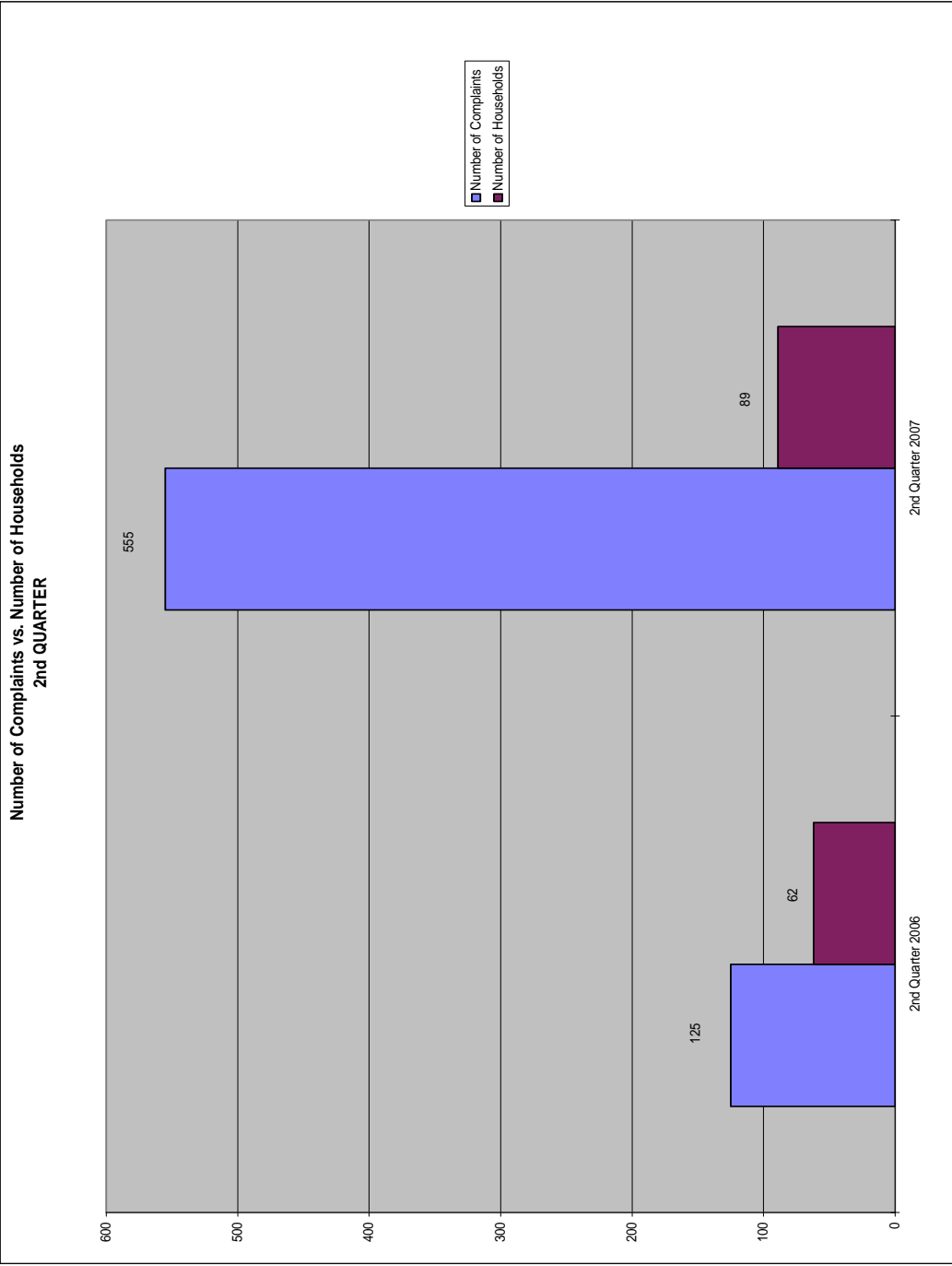
APPENDIX A - TABLE 1



APPENDIX A - TABLE 2



Stage 2 Jet
Aircraft Ban Upheld in U.S.
Court of Appeals



NOISE COMPLAINTS & OPERATIONS SUMMARY

APPENDIX C

MONTH: January 2007

DATE	7 AM - 10 PM								10 PM - 7 AM								TOTAL OPERATIONS		
	JET+HELO+PROP			JET OPS					JET+HELO+PROP			JET OPS							
	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS		STAGE 3 GA OPERATIONS	STAGE 3 AT OPERATIONS
Mon-01	3	3	180								6						5		186
Tues-02	6	6	331						1	1	6						3		337
Wed-03	3	3	306						1	2	11						4		317
Thur-04	1	1	382						1	8	6				1		1	1	388
Fri-05	5	7	357								5						1		362
Sat-06	2	4	378						2	2	9						3		387
Sun-07	3	3	274								3					1	1		277
Mon-08	4	4	249						2	2	8						3		257
Tues-09			332								7						3		339
Wed-10	12	12	413								9						3		422
Thur-11	2	2	371						1	1	7						3		378
Fri-12	17	17	418						1	1	4						2		422
Sat-13	9	9	374						1	1	11						2		385
Sun-14	22	24	368						3	3	12						5		380
Mon-15	11	11	411						2	2	6						4		417
Tues-16	5	5	400								7						1		407
Wed-17	35	35	357								4						2		361
Thur-18	14	14	378						1	1	11						6	1	389
Fri-19	10	10	365						1	1	9						3		374
Sat-20	11	11	465								8						2		473
Sun-21	8	8	465						2	3	10						5		475
Mon-22	12	12	423						1	1	6						1		429
Tues-23	5	5	419						1	1	4						1		423
Wed-24	9	9	535								8						4		543
Thur-25	8	8	218								10						3		228
Fri-26	17	17	545								13						5		558
Sat-27	8	8	461								5						1		466
Sun-28	2	2	359								6						1		365
Mon-29	14	14	500						2	2	8						3		508
Tues-30	2	2	465						1	1	13						2		478
Wed - 31			458								9						2		467
TOTALS	260	266	11,957	0	0	0	0	20	24	33	241	0	0	0	1	0	85	3	12,198

COMPLAINTS			
	DAY	NIGHT	TOTAL
Events	260	24	284
Complaints	266	33	299
Operations (Ops)	11,957	241	12,198
%Events/Ops	2.2%	10.0%	2.3%
Complaints & Events	1.0	0.7	0.9
% Complaints/ Ops	2.2%	13.7%	2.5%

NIGHT OPERATIONS	
Air Ambulance (AA)	J 1
EMS	H 6
Sheriff's Office	H 40
Mosquito Control	H 0
Mosquito Control	P 0
Public Service	J,H,P 47
Non-Jet Air Carrier & GA	H,P 106
Total GA Jet Ops	J 85
Total AT Jet Ops	J 3
Total Jet Operations	J 89
Night Ops - Total	J,H,P 241

RESTRICTIONS		Violations	Letters
Mandatory Restriction (MR)			
Runups: Maintenance		0	0
Jet Stage 1 day & night Ops		0	0
Jet Stage 2 day & night Ops		0	0
Voluntary Restriction (VR)			
Jet Stage 3 night Ops		17	16

NOISE COMPLAINTS & OPERATIONS SUMMARY

APPENDIX C

MONTH: February 2007

DATE	7 AM - 10 PM								10 PM - 7 AM								TOTAL OPERATIONS		
	JET+HELO+PROP			JET OPS					JET+HELO+PROP			JET OPS							
	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS		STAGE 3 GA OPERATIONS	STAGE 3 AT OPERATIONS
Thu-01	3	3	388								8						2		396
Fri-02	14	20	424					1	1	11						1	2		435
Sat-03	2	2	299					2		10							4	1	309
Sun-04	11	12	354					2		5							3		359
Mon-05	8	8	319					2	1	9							5		328
Tue-06	6	6	377							9							2		386
Wed-07	15	15	472						1	14							5		486
Thu-08	9	10	546					2	1	7							2		553
Fri-09	8	8	487							11							2		498
Sat-10	8	8	424						4	14							5		438
Sun-11	7	7	460							7							2		467
Mon-12	9	10	247						1	8							2		255
Tue-13	23	24	437						1	6				1			2		443
Wed-14	7	7	497						2	10							6		507
Thu-15	4	4	372						1	28					1		20		400
Fri-16	4	4	546					2		23							18		569
Sat-17			424					2	1	20							9		444
Sun-18			317							11							1		328
Mon-19	2	2	534							13							3		547
Tue-20	1	1	514							11							3		525
Wed-21	2	3	480					2	1	17							4	1	497
Thu-22	3	3	463					2		13							4		476
Fri-23			507						1	14						1	5		521
Sat-24	2	2	549						1	21							7		570
Sun-25	2	2	480						1	6							1		486
Mon-26	3	3	262						2	11							8		273
Tue-27	2	2	497						1	3							1		500
Wed-28	2	2	515					2		12							7		527
																			0
																			0
																			0
TOTALS	157	168	12,191	0	0	0	4	23	21	29	332	0	0	0	1	3	135	2	12,523

COMPLAINTS			
	DAY	NIGHT	TOTAL
Events	157	21	178
Complaints	168	29	197
Operations (Ops)	12,191	332	12,523
%Events/Ops	1.3%	6.3%	1.4%
Complaints & Events	0.9	0.7	0.9
% Complaints/ Ops	1.4%	8.7%	1.6%

NIGHT OPERATIONS	
Air Ambulance (AA)	J 4
EMS	H 16
Sheriff's Office	H 39
Mosquito Control	H 0
Mosquito Control	P 2
Military	H 0
Public Service	J,H,P 61
Non-Jet Air Carrier & GA	H,P 134
Total GA Jet Ops	J 135
Total AT Jet Ops	J 2
Total Jet Operations	J 141
Night Ops - Total	J,H,P 332

RESTRICTIONS		Violations	Letters
Mandatory Restriction (MR)			
Runups: Maintenance		0	0
Jet Stage 1 day & night Ops		0	0
Jet Stage 2 day & night Ops		0	0
Voluntary Restriction (VR)			
Jet Stage 3 night Ops		13	11

NOISE COMPLAINTS & OPERATIONS SUMMARY

APPENDIX C

MONTH: March 2007

DATE	7 AM - 10 PM								10 PM - 7 AM								TOTAL OPERATIONS		
	JET+HELO+PROP			JET OPS					JET+HELO+PROP			JET OPS							
	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS	EVENTS	COMPLAINTS	OPERATIONS	TOTAL STAGE 1 OPERATIONS	TOTAL STAGE 2 OPERATIONS	AA STAGE 1 (EXEMPT)	AA STAGE 2 (EXEMPT)	AA STAGE 3 OPERATIONS		STAGE 3 GA OPERATIONS	STAGE 3 AT OPERATIONS
Thu-01	1	1	413								11						5	1	424
Fri-02	1	1	407						1	1	12						6	1	419
Sat-03	1	1	324								7								331
Sun-04	1	1	387								7						4		394
Mon-05			444								11						5		455
Tue-06			471								5						1		476
Wed-07	1	2	360						2	2	14						7		374
Thu-08			436						1	1	18						7		454
Fri-09	3	3	482								14						4		496
Sat-10	2	2	389								13						5		402
Sun-11	4	10	455				2		1	1	15						5	1	470
Mon-12	1	1	423					2	1	1	11						4		434
Tue-13	1	1	429					4			10						5		439
Wed-14			424					2			14						4		438
Thu-15			476						1	1	13						5		489
Fri-16	4	4	420					2			9						4		429
Sat-17	2	2	415								14						6	1	429
Sun-18	1	1	480					2	2	2	12						5		492
Mon-19			472					2			9						5		481
Tue-20			361								8								369
Wed-21			431					2	1	1	11						4		442
Thu-22			377								14						3		391
Fri-23	1	1	534								12						2		546
Sat-24	2	2	450								10						1		460
Sun-25	2	2	398								9								407
Mon-26	1	1	415						2	3	15						9		430
Tue-27			446						1	1	5						1		451
Wed-28			489								16						3		505
Thu-29	1	1	516						1	1	15						6		531
Fri-30	1	3	462				2	2			18						3		480
Sat-31	4	4	583								13						4	1	596
TOTALS	35	44	13,569	0	0	0	4	22	14	15	365	0	0	0	0	0	123	5	13,934

COMPLAINTS			
	DAY	NIGHT	TOTAL
Events	35	14	49
Complaints	44	15	59
Operations (Ops)	13,569	365	13,934
%Events/Ops	0.3%	3.8%	0.4%
Complaints & Events	0.8	0.9	1.2
% Complaints/ Ops	0.3%	4.1%	0.4%

NIGHT OPERATIONS	
Air Ambulance (AA)	J 0
EMS	H 11
Sheriff's Office	H 57
Mosquito Control	H 0
Mosquito Control	P 0
Public Service	J,H,P 68
Non-Jet Air Carrier & GA	H,P 169
Total GA Jet Ops	J 123
Total AT Jet Ops	J 5
Total Jet Operations	J 128
Night Ops - Total	J,H,P 365

RESTRICTIONS		Violations	Letters
Mandatory Restriction (MR)			
Runups: Maintenance		0	0
Jet Stage 1 day & night Ops		0	0
Jet Stage 2 day & night Ops		0	0
Voluntary Restriction (VR)			
Jet Stage 3 night Ops		9	8