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NOISE MEASUREMENT DATA New Jersey Expanded East Coast Plan

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1.0 INTRODUCTION

This document presents the results of a noise measurement program conducted by the Research and Special Programs Administration, Volpe National Transportation Systems Center (RSPA/VNTSC) in nine communities around the greater Newark, New Jersey, area during the period June 25, 1991, through July 2, 1991. The data presented in this report include hourly statistical noise levels representative of composite community noise, i.e., aircraft noise, highway noise, and noise from normal community activity*, as well as Sound Exposure Levels (SEL) for individual aircraft flyovers tagged with pertinent aircraft performance and tracking information. This document presents measured results without interpretation or evaluation.

1.1 OBJECTIVE

The objective of this measurement program was to provide noise level data to:

1. Perform a reasonableness check of the VNTSC-developed Extended Integrated Noise Model (EINM).
2. Determine the impact of aircraft noise on selected New Jersey communities.

1.2 BACKGROUND

In March 1981, the FAA initiated a study to review aircraft routing procedures at the three major metropolitan New York airports (La Guardia, John F. Kennedy, and Newark). The study, later expanded to include all east coast airports and air traffic, became known as the Expanded East Coast Plan (EECP). The primary purpose of the EECP was to develop and implement changes in air routes and air traffic control procedures that would help reduce air traffic delays at the three major metropolitan New York airports. Implementation of the EECP took place in three stages, with the FAA initiating the first stage in February 1987. The FAA states that the EECP has resulted in significantly reduced delays, especially at the three New

* Note: measurement sites were chosen to minimize noise contributions from sources other than aircraft.

York airports. At the same time, New Jersey residents have voiced public concern over the noise level changes in communities in northern and central New Jersey, which they attribute to the air route changes made as part of the plan's first phase.

A study performed in 1988 for the Port Authority of New York and New Jersey showed increases of 0 to 7 dB (when comparing noise levels before and after implementation of the EECP) in the Day Night Average Sound Levels (L_{dn}) in 11 representative New Jersey communities⁽¹⁾. A subsequent review of the EECP led the FAA to revise the departure procedure at Newark International Airport in early 1990 in hopes of improving the conditions at various New Jersey communities. A study performed later that year showed a decrease in L_{dn} at one previous "problem community" as well as a significant increase at two communities that were previously minimally affected by aircraft noise.⁽²⁾

In an August 1988 report submitted to Congress, the U.S. General Accounting Office (GAO) reviewed several aspects of the FAA's implementation of the first phase of the EECP.⁽³⁾ Among the GAO recommendations, the Secretary of Transportation was to direct the Administrator, FAA, "to improve the information base available on which to assess the merits of the Expanded East Coast Plan and other such major airspace changes by preparing an environmental assessment of the effects of the plan and, if significant impacts from the plan are found, preparing an environmental impact statement." Subsequently, Congress passed the Aviation Safety and Capacity Expansion Act in November 1990, requiring the FAA Administrator to issue an environmental impact statement (EIS) on the effects of changes in aircraft flight patterns over the State of New Jersey caused by the implementation of the EECP. The FAA requested technical support on this matter from the Research and Special Programs Administration, Volpe National Transportation Systems Center.

Under the early stages of the EECP/EIS development project, VNTSC's Noise Measurement and Assessment Facility performed noise level measurements during the period June 25, 1991, through July 2, 1991, at nine of ten selected New Jersey communities within a 40 mile radius of Newark International Airport. This document discusses the measurement program and presents the measured noise level data.

2.0 NOISE MEASUREMENT PROGRAM

2.1 COMMUNITY SELECTION

Prior to actual data collection, a joint VNTSC/FAA management team prioritized ten representative New Jersey communities based on the following criteria reproduced from Reference 4:

1. Communities that have the greatest air traffic activity, to provide statistically significant data samples.
2. Recognition of the fact that there are different aircraft routings over the State of New Jersey, depending upon how air traffic is being controlled under the prevailing wind conditions at both Newark and La Guardia airports.
3. Communities that have a minimum of ambient noise sources which could contaminate aircraft events.
4. Communities that have minimal topographical features that could affect sound level measurements.
5. Communities that capture a mix of operations (i.e., takeoffs, landings and enroute).
6. A distribution of Communities across the North and Central portion of the State.
7. Communities that are expected to collectively capture the range of aircraft noise levels from low to high.
8. The ability to combine different communities to track EECP flight patterns.
9. Communities known to have generated a large volume of complaints from residents about aircraft noise.
10. Consideration of the logistics of getting to the various communities chosen.

Table 1 presents the ten communities selected, along with specific site location within those communities.

**TABLE 1: NEW JERSEY MEASUREMENT SITES
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991**

Community	Street Address	Utility Pole No.	North Latitude	West Longitude	Gnd+Roof* Elevation (feet AMSL)	Mic. Elevation (feet)	Total Elevation (feet)
1. Scotch Plains	560 Pine Street off Evergreen Avenue	61960SPT	40°39'19.3"	74°23'11.7"	175	16	191
2. Denville	Lakeview Elementary School on Cooper Road	N/A	40°52'13.3"	74°30'15.4"	717	4	721
3. Kearny	365 Devon Street at corner of King Street	E61127K	40°45'45.1"	74°08'44.0"	100	16	116
Kearny after 1200 on 6/29	86 King Street at corner of Hickory Street	E61359K	40°45'38.5"	74°08'40.5"	20	15	35
4. Long Valley	Flocktown Road Elementary School	N/A	40°48'35.7"	74°48'10.7"	1093	6	1099
5. Colts Neck	Cedar Drive Elementary School	N/A	40°17'45.2"	74°12'30.0"	143	4	147
6. River Edge	10 June Court off Kinderkamack Road	E61318RE	40°55'7.7"	74°2'11.3"	75	16	91
7. Woodbridge	Corner of Dixon Drive and North Circle	67261WB	40°33'16.8"	74°17'13.3"	40	17	57
8. North Brunswick	1250 Stocton Place off Dallas Road	62380NBW	40°25'56.3"	74°27'27.6"	100	14	114
9. Mendham	29 Hilltop Circle off Deer Run	BT1494HMT	40°47'16.4"	74°34'15.3"	540	16	556
10. Paterson	School #29 on Danforth Avenue						

No Measurements

• Roof elevation applicable for communities of Denville, Long Valley and Colts Neck only

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2.2 PRELIMINARY SITE SELECTION

During the period June 19-21, 1991, a two-man site selection team from VNTSC's Noise Measurement and Assessment Facility began the process of identifying specific measurement locations within the ten prioritized communities identified in Table 1. For security purposes and to insure ease of access, school rooftops were identified as one possible location for setting up measurement instrumentation. Schools within four communities, Denville, Long Valley, Colts Neck, and Paterson, were identified as appropriate for instrumentation installation and clearance was obtained from the necessary local officials. In some cases, local red tape negated the use of school buildings as measurement sites. In a parallel effort, the site selection team obtained permission from New Jersey Bell Telephone and New Jersey Public Services Electric and Gas to install measurement instrumentation on utility poles (telephone poles) within the remaining six communities.

2.3 FINAL SITE SELECTION AND INSTRUMENTATION INSTALLATION

Five noise measurement systems were deployed in the communities of Scotch Plains, Denville, Kearny, River Edge and Woodbridge on June 24, 1991 (See Table 1 for exact locations). The instrumentation was programmed to automatically begin measuring and storing noise data at 0500 hours on June 25, 1991. Three additional systems were deployed in the communities of Long Valley, Mendham, and Colts Neck on June 25, 1991. Each of these systems were programmed to begin measuring and storing noise data immediately upon deployment. A suitable site could not be found in New Brunswick, therefore a surrogate site was found in the neighboring community of North Brunswick. Due to instrumentation problems, the North Brunswick site was not installed until 1500 hours on June 26, 1991. Instrumentation problems prevented the measurement team from deploying a data collection system at the Paterson site. This site had been assigned the lowest priority by the VNTSC/FAA management team.

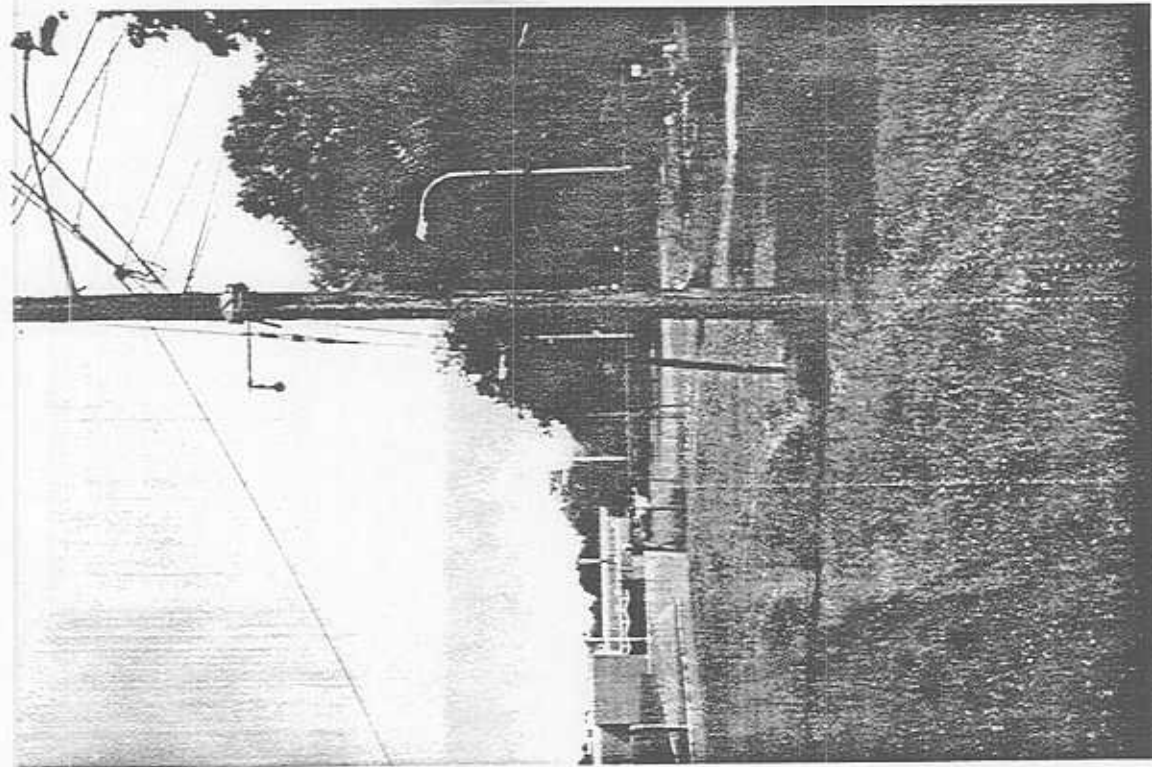
Final site selection within each community was based upon the following requirements: security of the measurement instrumentation, ease and safety of access for the measurement team, minimal extraneous noise (i.e., industrial noise, highway noise, or noise from compressors and

ventilation ducts in the case of school rooftops), visual observations of aircraft overflights, and an unobstructed view of the sky from the measurement microphone.

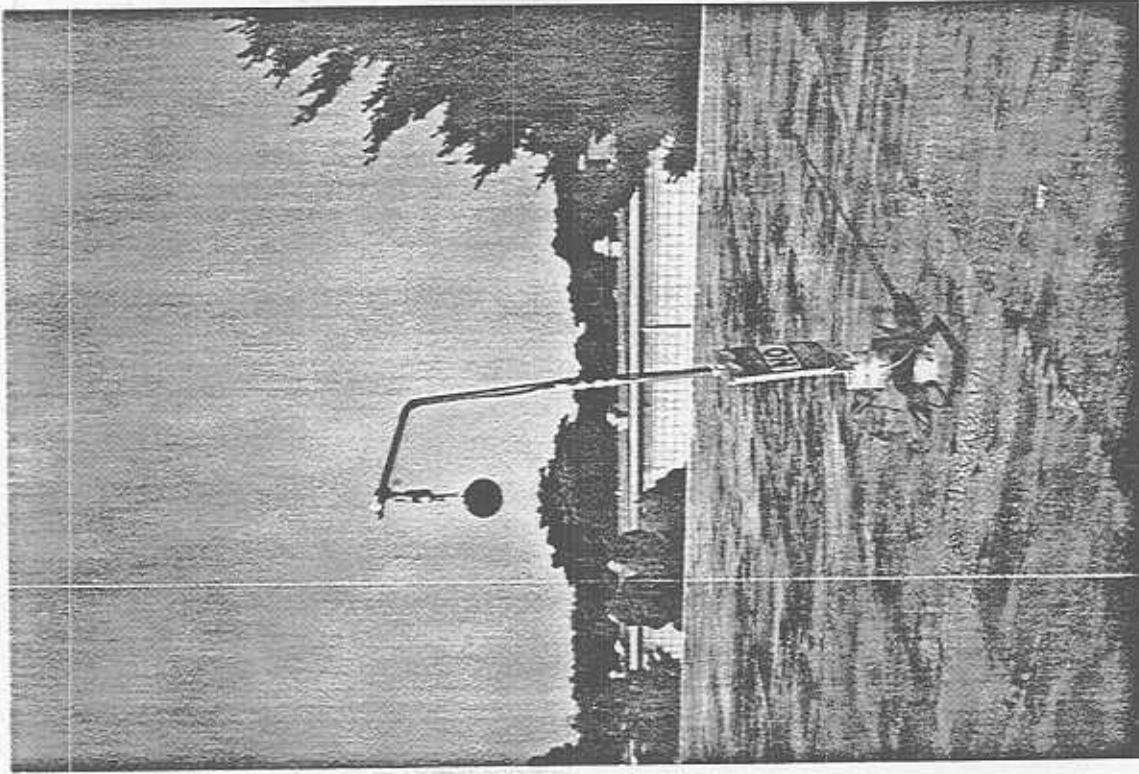
2.4 MEASUREMENT INSTRUMENTATION

Each data measurement system consisted of a General Radio Model 1962-9610 random incidence microphone, connected to a Larson Davis Model 827-0V preamplifier. The microphone/preamplifier system was connected via cable to a Larson Davis Model 820 Precision Integrating Sound Level Meter/Environmental Noise Analyzer. The microphone/preamplifier combination was mounted in an insulated nylon holder and fastened to one end of a four-foot length of 1/2-inch diameter metal conduit which was secured to a utility pole, approximately fifteen feet above the ground. For system installation on school roof-tops, the microphone/preamplifier assembly was fastened at a height of five feet to a vertical length of conduit secured to the roof-top, (See Figures 1 and 2). To protect against the build-up of moisture on the microphone diaphragm and to foster the natural run-off of water, the microphone was deployed in an inverted position. Bruel and Kjaer Model UA0237 windscreens were placed atop each microphone to reduce the effect of wind-generated noise on the microphone diaphragm.

Pre-processing and storage of the measured noise data was accomplished by the Larson Davis Model 820 Noise Analyzer. The "820" was programmed to continuously measure and store A-weighted noise levels (fast sound-level meter response characteristics), one data record each second. As programmed, the "820" was capable of storing over 60 hours of measured data. The unit was also programmed to calculate and store the following hourly statistical data: L_{eq} , L_{Amin} , L_{Amax} , SEL, L_5 , L_{10} , L_{33} , L_{50} , L_{67} , and L_{90} . To ensure unattended operation over an extended period, an external 12-volt lantern battery supplemented the "820's" internal 9-volt battery. Each Model 820 along with the external battery was sealed inside a plastic enclosure, placed inside a zippered waterproof pouch and secured to a utility pole or to the base of a school rooftop, as appropriate.



**Figure 1: System Installation on Utility Pole
at Scotch Plains Measurement Site**



**Figure 2: System Installation on School Rooftop
at Colts Neck Measurement Site**

2.5 MEASUREMENT LOGISTICS

Two measuring teams (two-men each) were responsible for downloading the measured noise data, calibrating and re-initializing the "820", and re-installing the unit at each measurement site on a daily basis. One team covered the inner loop communities: River Edge, Kearny, Woodbridge, North Brunswick, and Scotch Plains; the second team was responsible for the outer loop communities: Colts Neck, Long Valley, Mendham, and Denville (See Figure 3). A 30-foot bucket truck was rented locally to simplify the downloading and re-installation procedure at the inner loop sites, while easy access to the instrumentation at the outer loop communities was pre-arranged through local officials.

Upon arrival at a site, the measurement team manually interrupted data collection and calibrated the measurement system. The "820" was then removed from the system, and the stored data was downloaded into a portable laptop computer and stored on floppy diskette. With the data downloaded, the programming of the "820" was re-initialized and the internal clock checked and synchronized to a universal time base. The "820" was re-installed in the system, and the system was calibrated and manually started. The above procedure was performed at each site on each day from June 26 to July 2, 1991. No data were collected for a period of between 20 and 30 minutes each day while the downloading and restarting process took place.

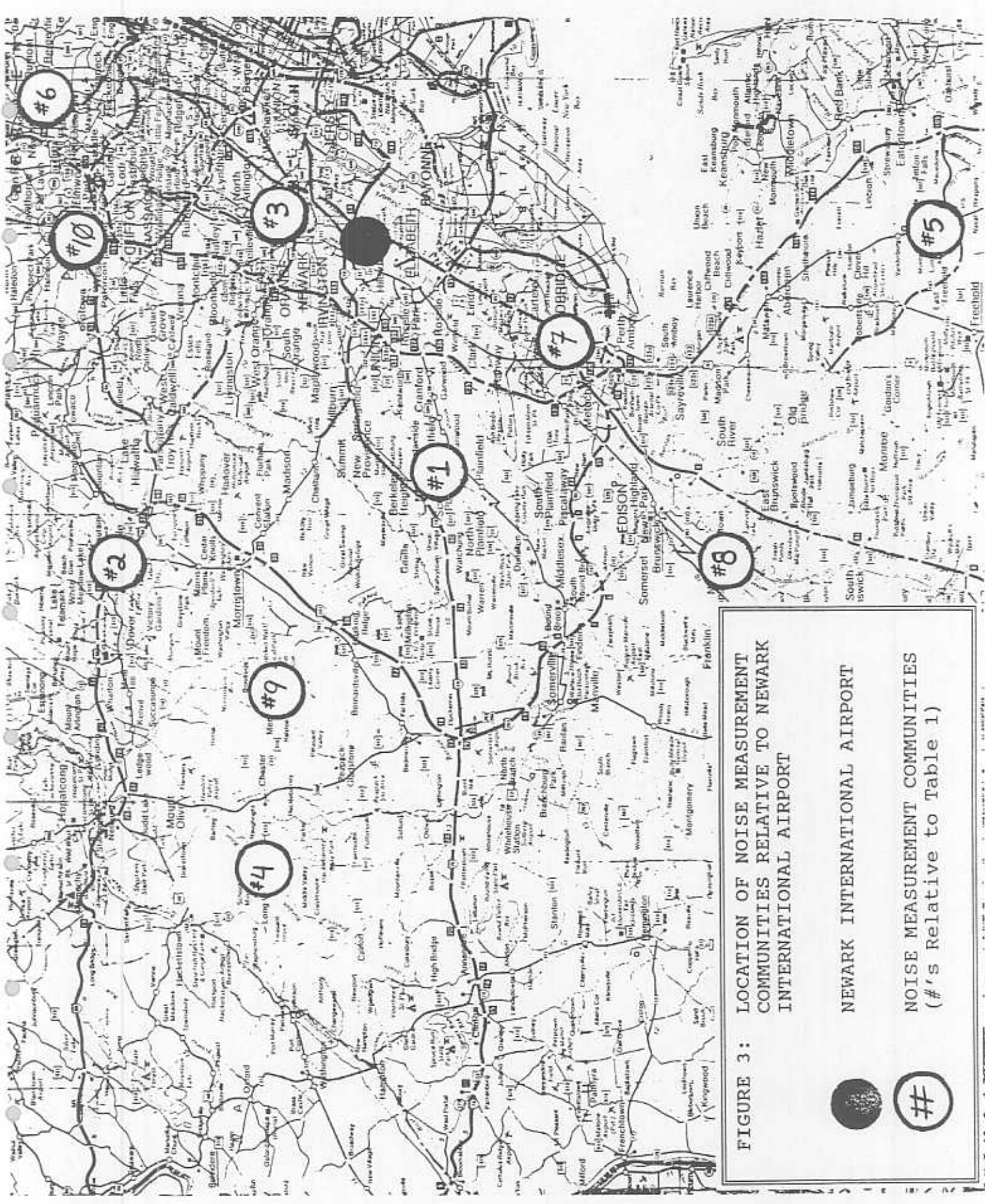


FIGURE 3: LOCATION OF NOISE MEASUREMENT COMMUNITIES RELATIVE TO NEWARK INTERNATIONAL AIRPORT

NEWARK INTERNATIONAL AIRPORT

NOISE MEASUREMENT COMMUNITIES (#'s Relative to Table 1)

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3.0 DATA REDUCTION

To achieve the stated objectives, two sets of noise level data were required: hourly statistical noise levels and Sound Exposure Levels of individual aircraft events. Processing of the collected data files stored on floppy diskette was accomplished offline at the VNTSC Noise Measurement and Assessment Facility.

3.1 HOURLY STATISTICAL NOISE LEVELS

As discussed in Section 2.4, each Larson Davis model 820 Analyzer was programmed to calculate and store hourly statistical noise level data. The measured statistical noise level data are presented by site and date in Appendix A, Tables A1-1 through A9-8. The hourly statistical data presented were calculated directly by the model 820, with the exception of data obtained during any hour where extraneous noise contamination was identified, e.g., the arrival of the measurement team and the high noise level associated with the bucket truck in close proximity to the microphone. For these periods, the hourly time history (based on the one-second records) was examined and the contaminated data records due to the measurement team's arrival/departure were eliminated. The statistical data for the partial hour were then recalculated based upon the uncontaminated one-second records, using a VNTSC-developed program (RFILE). Statistical data presented for a measurement period of less than 60 minutes indicate that contaminated records were removed from the measured data, e.g. Table A1-2, hour number 12.

3.2 SOUND EXPOSURE LEVELS (SEL)

The Sound Exposure Levels (SEL) for individual aircraft events, presented in Appendix B, Tables B1-1 through B9-8, were calculated, using the stored one-second noise level records and the 820 software in tandem with the RFILE program. A graphical history (noise level versus time) for a one-hour period of measurements was obtained using the 820 software. Aircraft events were identified on the hourly noise level versus time history graph and matched to the Advanced Radar Tracking System (ARTS) data, provided by the FAA and further processed by

VNTSC⁽⁵⁾. Approximate time of day and duration of matched aircraft events were then obtained from these graphs. Given the approximate time of day and event duration, the RFILE program was then used to generate an expanded noise level versus time history graph, one second resolution, for each matched aircraft event. From the expanded plot, a judgement was made as to whether the event consisted solely of aircraft noise and the event was cropped as appropriate. Satisfied with the integrity of an event, the operator would prompt RFILE to determine: 1. the maximum A-weighted noise level (L_{AMAX}); 2. the duration of the event (seconds); duration is defined as the period encompassed by the 10 dB down points around L_{AMAX} ; and 3. the SEL over the specified duration. A particular aircraft event was judged acceptable if the following criteria were met: 1. all data encompassed by the 10 dB down points were measured; 2. there was no indication of contamination from other community activity throughout the duration of the event; and 3. there was only one aircraft event during the duration of interest, according to the ARTS data.

4.0 REFERENCES

- ¹ Noise From Expanded East Coast Plan Operations, Report No. 280070, submitted to the Port Authority of New York and New Jersey Aviation Technical Services, Lexington, MA: Harris Miller Miller & Hanson, Inc., November 1988.
- ² Noise From Expanded East Coast Plan Operations. Supplemental Analysis of Cranford and Scotch Plains, New Jersey, Report No. 290760, submitted to the Port Authority of New York and New Jersey Aviation Technical Services, Lexington, MA: Harris Miller Miller & Hanson, Inc., August 1990.
- ³ Aircraft Noise, Implementation of FAA's Expanded East Coast Plan , Report No. GAO/RCED-88-143, Washington, D.C.: United States General Accounting Office, August 1988.
- ⁴ Yearwood, K.W., Report on Proposed Noise Measurement Areas in Support of the Environmental Impact Statement for the New Jersey Portion of the Expanded East Coast Plan (EECP), submitted to the EECP Interdisciplinary Team, Federal Aviation Administration, Cambridge, MA: Volpe National Transportation Systems Center, June 1991.
- ⁵ Messcher, Walter, Processed Advanced Radar Tracking Systems Data for the New Jersey Portion of the Expanded East Coast Plan (EECP), submitted to the Noise Measurement and Assessment Facility, Cambridge, MA: Volpe National Transportation Systems Center, August 1991.

APPENDIX A
HOURLY STATISTICAL NOISE LEVELS

This Appendix presents the as measured statistical noise level data, including L_{eq} , L_{Amin} , L_{Amax} , SEL, L_5 , L_{10} , L_{33} , L_{50} , L_{67} , and L_{90} , by site and date for hour 00 (midnight to 1 AM) through hour 23 (11 PM to midnight), Tables A1-1* through A9-8. Unless otherwise noted, each Table contains 24-hour information.

* In the numerical notation for Table number, the first number denotes site number, as they appear in Table 1, and the second number denotes the day of the week, relative to June 25, 1991 (day 1). For example, Table A1-1 would contain noise data measured at Scotch Plains on June 25, 1991.



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Noise Measurement
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Table A1-1

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-04		** NO DATA **									
05	01:00:00	51.6	44.4	73.0	87.2	55.8	53.7	50.6	49.4	48.5	47.2
06	01:00:00	52.7	45.3	73.8	88.3	57.3	54.7	51.5	50.3	49.4	48.1
07	01:00:00	60.0	46.5	75.6	95.6	67.1	63.6	56.6	54.5	52.8	50.3
08	01:00:00	58.1	43.4	72.3	93.7	64.7	62.7	56.5	53.0	50.1	46.5
09	01:00:00	60.3	42.2	79.3	95.9	66.9	64.8	56.6	51.0	47.6	44.6
10	01:00:00	62.4	42.2	84.6	98.0	66.0	64.0	59.0	55.0	51.8	46.1
11	01:00:00	59.4	42.9	86.8	95.0	64.7	63.0	58.6	54.0	50.4	45.5
12	01:00:00	58.3	41.2	86.7	93.8	64.4	61.2	55.5	51.3	47.7	43.9
13	01:00:00	55.9	41.3	85.5	91.5	61.1	58.4	52.2	49.0	46.5	44.2
14	01:00:00	61.9	43.6	86.1	97.4	67.7	64.1	54.8	50.3	47.5	45.4
15	01:00:00	57.7	43.6	81.1	93.3	63.2	59.3	53.5	51.1	48.8	46.1
16	01:00:00	55.6	44.2	75.1	91.2	60.9	58.9	54.1	51.5	49.6	47.2
17	01:00:00	57.3	42.9	79.9	92.8	61.8	58.7	52.5	49.5	47.9	45.7
18	01:00:00	56.7	43.1	76.6	92.2	61.3	58.8	53.3	50.6	48.5	45.7
19	01:00:00	55.6	43.4	75.1	91.2	60.4	57.8	52.5	50.1	48.3	46.1
20	01:00:00	55.6	42.3	79.2	91.2	61.1	58.5	51.4	48.3	46.6	44.7
21	01:00:00	51.0	41.7	68.9	86.6	57.3	54.9	47.9	45.2	44.0	43.1
22	01:00:00	53.6	41.1	72.8	89.1	60.1	56.9	45.9	43.8	43.1	42.3
23	01:00:00	55.1	41.0	73.4	90.7	60.9	57.4	47.6	44.8	43.8	42.7



Table A1-2

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.5	39.8	66.3	84.1	55.0	49.0	43.0	42.5	42.0	41.2
01	01:00:00	45.4	39.7	65.2	81.0	47.6	44.2	42.4	41.8	41.4	40.8
02	01:00:00	42.7	38.9	56.9	78.3	44.4	43.2	42.0	41.5	41.1	40.3
03	01:00:00	44.3	39.4	63.5	79.9	46.6	44.9	43.0	42.5	41.9	41.1
04	01:00:00	45.5	40.8	60.0	81.1	49.6	47.9	44.8	44.0	43.4	42.3
05	01:00:00	52.7	44.8	71.2	88.3	57.4	54.3	50.2	49.2	48.4	47.2
06	01:00:00	62.8	44.9	82.9	98.4	62.7	56.8	50.9	49.7	48.9	47.7
07	01:00:00	57.3	45.2	75.2	92.9	63.7	60.0	53.3	51.0	49.3	47.5
08	01:00:00	56.2	44.0	73.8	91.8	62.6	59.9	53.9	51.1	49.0	46.5
09	01:00:00	56.4	42.7	76.9	92.0	62.5	59.6	52.7	49.0	46.9	45.1
10	01:00:00	58.2	43.2	86.5	93.7	65.3	60.7	53.8	50.1	47.7	45.6
11	01:00:00	55.6	43.6	79.3	91.2	59.0	56.8	50.6	48.4	47.1	45.7
12	00:29:40	57.9	45.2	77.0	90.4	63.4	59.0	52.4	49.4	47.7	46.0
13	01:00:00	53.6	43.3	74.7	89.2	59.2	56.5	50.4	48.5	47.2	45.5
14	01:00:00	52.8	42.5	75.5	88.4	58.0	55.5	49.0	47.4	46.2	44.6
15	01:00:00	54.0	41.5	73.1	89.6	59.2	57.0	51.7	48.9	46.9	44.5
16	01:00:00	55.7	41.9	78.6	91.3	60.7	58.6	54.0	50.9	48.2	45.3
17	01:00:00	53.9	42.5	76.6	89.5	59.0	56.8	51.1	48.6	46.9	44.8
18	01:00:00	55.9	42.7	76.7	91.4	61.2	58.7	52.3	49.1	47.1	45.1
19	01:00:00	55.9	42.7	78.6	91.5	62.1	58.9	53.0	50.4	48.4	45.5
20	01:00:00	56.1	43.6	79.8	91.7	61.2	59.6	55.3	52.7	49.9	46.0
21	01:00:00	49.7	43.6	63.9	85.3	55.8	52.9	46.9	45.8	45.2	44.4
22	01:00:00	49.8	43.1	66.4	85.4	56.0	53.4	46.3	45.3	44.7	44.2
23	01:00:00	51.0	42.4	72.3	86.6	56.7	53.1	46.0	45.0	44.5	43.6

Table A1-3

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leg dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	47.9	41.8	69.4	83.5	53.0	48.7	44.8	44.1	43.7	43.1
01	01:00:00	45.8	42.3	66.2	81.4	48.3	45.6	44.1	43.8	43.5	43.1
02	01:00:00	45.0	41.7	62.4	80.5	46.2	44.7	43.7	43.4	43.1	42.4
03	01:00:00	44.4	41.9	61.8	79.9	45.2	44.8	44.0	43.7	43.4	42.8
04	01:00:00	45.7	42.1	65.9	81.3	49.2	46.9	44.9	44.5	44.0	43.3
05	01:00:00	51.1	44.9	63.6	86.7	54.9	53.2	50.8	50.0	49.3	48.2
06	01:00:00	51.9	46.5	66.5	87.5	56.2	53.6	51.0	50.3	49.7	48.6
07	01:00:00	57.1	45.2	88.3	92.7	61.8	59.1	53.5	50.4	48.8	47.4
08	01:00:00	57.1	44.7	75.8	92.7	62.6	59.8	54.7	51.7	49.3	46.8
09	01:00:00	56.6	43.8	75.6	92.2	61.8	59.2	53.6	51.0	49.1	46.3
10	01:00:00	54.4	44.3	72.7	90.0	60.1	58.3	52.5	49.5	47.7	46.1
11	01:00:00	55.7	44.3	84.6	91.3	61.0	58.8	53.6	51.2	49.4	46.9
12	01:00:00	56.4	45.5	74.0	91.9	60.8	59.0	55.4	53.3	51.5	49.0
13	01:00:00	53.7	44.0	74.8	89.2	58.7	57.3	53.4	50.9	49.0	47.1
14	00:23:09	53.6	43.6	66.0	85.0	60.0	58.3	52.0	49.7	48.1	46.6
15	00:52:21	54.0	44.0	69.0	89.0	59.9	57.8	53.2	51.0	49.4	47.2
16	01:00:00	54.0	43.1	72.3	89.6	60.1	57.8	51.8	48.9	47.2	45.2
17	01:00:00	56.5	42.8	83.0	92.1	59.4	57.2	51.8	49.3	47.5	45.2
18	01:00:00	55.5	42.7	74.4	91.1	61.2	59.0	53.7	50.6	48.2	45.7
19*	01:00:00	76.0	43.9	114.0	111.6	66.8	63.4	56.9	53.8	51.1	47.8
20*	01:00:00	68.7	43.7	107.4	104.3	60.8	58.4	52.5	49.9	47.6	45.4
21	01:00:00	52.4	44.0	69.2	88.0	58.3	56.3	50.0	47.4	46.3	45.3
22	01:00:00	51.4	43.6	66.4	86.9	58.1	55.0	47.5	45.9	45.5	44.7
23	01:00:00	51.9	43.4	68.5	87.5	57.8	55.0	48.3	45.9	45.3	44.4

* WORKERS ON UTILITY POLE



Table A1-4

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.2	42.9	67.0	84.8	55.5	50.9	45.4	44.8	44.5	44.0
01	01:00:00	47.1	42.6	68.1	82.7	49.0	46.0	44.8	44.5	44.2	43.5
02	01:00:00	47.0	42.4	63.5	82.5	49.1	46.8	45.1	44.6	44.2	43.4
03	01:00:00	46.9	42.7	65.2	82.5	47.6	46.5	45.3	44.8	44.4	43.9
04	01:00:00	46.9	43.1	64.7	82.4	50.0	48.0	46.1	45.6	45.2	44.4
05	01:00:00	56.5	46.3	81.6	92.1	57.8	56.2	53.8	52.8	52.0	50.7
06	01:00:00	56.4	48.3	77.8	91.9	60.1	57.6	54.1	53.0	52.3	51.0
07	01:00:00	56.6	48.6	71.6	92.2	62.1	60.2	55.1	53.5	52.3	50.7
08	01:00:00	56.1	45.9	72.2	91.7	61.6	59.5	54.7	51.8	50.1	48.4
09	01:00:00	56.9	44.7	75.9	92.5	62.5	59.6	54.0	51.7	49.4	47.0
10	01:00:00	54.0	43.4	76.3	89.5	59.6	57.5	51.9	49.4	47.6	45.6
11	01:00:00	56.8	44.1	76.5	92.4	62.9	60.7	55.1	51.1	48.7	46.4
12	00:31:52	55.4	44.0	69.0	88.2	61.5	59.1	54.9	52.7	50.5	47.8
13	01:00:00	54.2	43.8	76.8	89.8	59.6	57.7	52.9	50.7	48.9	46.5
14	01:00:00	54.5	43.8	78.7	90.0	59.4	57.0	51.7	49.6	48.0	46.2
15	01:00:00	53.2	43.6	76.1	88.8	58.5	56.5	51.8	50.0	48.4	46.2
16	01:00:00	55.8	44.5	80.3	91.4	60.6	58.0	52.9	50.7	49.0	46.9
17	01:00:00	59.2	45.0	81.3	94.8	64.9	62.0	56.4	53.8	51.6	48.7
18	01:00:00	57.3	44.2	84.5	92.9	61.3	59.3	55.0	52.8	50.7	48.0
19	01:00:00	57.0	45.0	82.4	92.6	62.9	60.3	54.6	51.8	49.6	47.5
20	01:00:00	55.1	45.1	73.7	90.7	60.4	58.2	53.1	51.1	49.7	47.8
21	01:00:00	54.0	44.7	74.6	89.6	57.6	54.8	49.8	48.6	47.7	46.5
22	01:00:00	50.2	43.9	67.9	85.7	56.2	52.9	47.6	46.7	46.2	45.3
23	01:00:00	53.2	44.1	73.4	88.8	59.0	54.0	47.1	46.2	45.7	45.1



Table A1-5

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.6	43.9	66.3	84.2	53.1	50.0	46.6	46.1	45.7	45.2
01	01:00:00	46.8	43.2	64.4	82.4	48.7	46.8	45.7	45.3	44.9	44.2
02	01:00:00	46.8	42.7	73.0	82.4	50.0	46.2	44.9	44.6	44.3	43.6
03	01:00:00	47.9	42.8	70.3	83.5	49.9	46.8	45.4	44.9	44.6	44.1
04	01:00:00	45.4	42.8	60.2	81.0	47.9	46.5	45.0	44.7	44.4	43.8
05	01:00:00	51.5	44.2	74.4	87.0	55.0	52.8	50.0	49.1	48.2	46.7
06	01:00:00	57.2	44.2	78.8	92.8	61.5	57.0	50.5	48.6	47.3	46.0
07	01:00:00	56.1	44.8	75.3	91.7	62.0	59.5	52.4	49.5	48.1	46.8
08	01:00:00	56.5	45.1	75.5	92.1	61.8	58.7	53.2	50.8	49.3	47.4
09	01:00:00	53.9	44.3	69.9	89.5	59.8	57.5	52.1	49.8	48.2	46.6
10	01:00:00	53.2	42.3	73.5	88.8	58.7	57.1	51.9	49.8	47.7	45.4
11	01:00:00	53.4	42.2	72.6	89.0	59.5	57.2	50.3	47.9	46.3	44.6
12	01:00:00	55.0	43.1	76.3	90.5	60.4	57.6	50.6	48.1	46.5	44.7
13	01:00:00	57.1	42.8	74.7	92.7	63.7	57.5	49.8	47.9	46.6	44.9
14	01:00:00	50.2	42.1	65.0	85.8	55.9	53.5	48.6	46.8	45.6	44.1
15	00:29:33	50.7	42.0	64.0	83.2	57.1	54.9	49.3	47.4	46.1	44.5
16	01:00:00	56.5	40.8	80.8	92.0	60.8	56.3	49.3	46.6	44.9	43.2
17	01:00:00	55.2	41.0	76.0	90.8	60.4	57.1	49.9	47.0	45.0	43.1
18	01:00:00	54.7	42.5	77.3	90.3	60.6	57.9	52.1	49.6	47.4	45.1
19	01:00:00	54.5	43.4	73.9	90.0	60.5	57.3	51.2	49.2	47.7	45.5
20	01:00:00	49.3	42.0	73.3	84.9	54.2	51.9	48.1	47.0	45.9	44.2
21	01:00:00	49.1	41.4	71.0	84.7	54.9	50.9	44.5	43.6	43.1	42.3
22	01:00:00	46.8	41.2	64.4	82.4	51.2	46.7	43.8	43.3	42.9	42.3
23	01:00:00	45.7	42.4	67.7	81.2	47.2	45.0	44.4	43.9	43.6	43.2



Table A1-6

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.2	42.2	63.0	81.8	49.2	45.9	44.4	43.9	43.6	43.2
01	01:00:00	46.1	41.7	66.7	81.7	50.1	46.8	43.9	43.7	43.4	43.0
02	01:00:00	44.4	41.3	62.5	80.0	44.9	44.0	43.6	43.3	43.0	42.3
03	01:00:00	45.3	41.0	66.9	80.9	50.9	43.9	43.1	42.7	42.4	42.0
04	01:00:00	43.9	41.2	59.7	79.5	46.7	44.4	43.5	43.0	42.7	42.2
05	01:00:00	51.8	42.7	75.7	87.4	56.0	52.8	49.8	49.0	48.0	45.9
06	01:00:00	48.9	41.8	73.6	84.5	52.6	50.2	46.2	44.9	44.2	43.3
07	01:00:00	47.0	39.5	68.7	82.6	51.9	49.0	44.4	43.5	42.9	41.7
08	01:00:00	49.6	40.5	71.5	85.2	55.6	52.7	46.9	44.8	43.7	42.4
09	01:00:00	52.2	40.9	72.0	87.8	58.5	56.3	49.9	47.3	45.3	43.3
10	01:00:00	64.9	41.7	101.3	100.5	62.4	58.9	51.7	48.8	47.0	45.0
11	00:37:30	65.0	43.4	92.0	98.6	66.3	60.8	58.6	53.7	49.6	47.2
12	01:00:00	54.5	43.7	75.0	90.1	60.3	57.9	52.2	50.0	48.3	46.2
13	01:00:00	51.6	42.5	76.9	87.2	57.3	54.9	50.0	48.1	46.7	45.1
14	01:00:00	52.3	41.8	78.8	87.9	58.4	55.6	49.3	47.3	45.9	44.1
15	01:00:00	53.0	42.3	85.7	88.6	57.5	54.4	48.9	47.4	46.3	44.9
16	01:00:00	54.3	42.6	91.2	89.8	58.0	55.5	49.5	47.6	46.2	44.5
17	01:00:00	54.1	42.7	80.7	89.7	59.0	56.5	50.5	48.2	46.6	44.8
18	01:00:00	54.3	44.8	78.7	89.8	58.4	55.9	51.3	49.4	48.0	46.6
19	01:00:00	58.1	43.6	81.3	93.7	63.0	59.4	52.5	49.8	48.2	46.3
20	01:00:00	54.1	43.4	80.4	89.6	59.6	57.1	50.8	48.6	46.9	45.0
21	01:00:00	50.2	42.1	69.0	85.7	56.2	52.1	46.0	44.9	44.3	43.4
22	01:00:00	47.6	40.4	66.4	83.1	53.7	49.9	43.8	43.0	42.5	41.8
23	01:00:00	47.6	40.2	75.7	83.2	46.9	43.9	42.7	42.4	42.1	41.4



Table A1-7

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.8	40.1	64.4	80.4	46.4	43.6	42.6	42.2	41.8	41.2
01	01:00:00	43.9	39.2	67.6	79.5	43.8	42.9	41.9	41.6	41.3	40.6
02	01:00:00	43.0	40.1	60.3	78.6	44.1	43.7	42.8	42.4	42.0	41.3
03	01:00:00	42.9	39.4	63.5	78.4	43.7	43.2	42.2	41.8	41.4	41.0
04	01:00:00	44.6	39.6	60.5	80.2	49.4	46.9	43.1	42.1	41.6	40.7
05	01:00:00	50.3	41.2	71.4	85.9	54.6	52.7	49.5	48.2	47.1	45.3
06	01:00:00	49.2	41.7	69.5	84.8	55.0	51.8	46.4	45.5	44.9	43.9
07	01:00:00	52.4	42.7	72.0	88.0	59.0	56.8	49.8	47.4	45.9	44.6
08	01:00:00	54.2	42.5	74.4	89.8	59.8	57.5	51.7	49.0	46.9	44.9
09	01:00:00	51.7	41.9	69.8	87.2	57.8	55.9	49.9	47.2	45.5	43.8
10	01:00:00	52.6	42.8	73.6	88.2	58.1	55.8	50.3	48.5	47.1	45.4
11	01:00:00	51.7	42.0	74.4	87.3	57.5	55.3	49.7	47.8	46.4	44.6
12	00:35:10	56.6	43.7	82.0	89.9	61.2	59.1	53.8	51.5	49.8	47.2
13	01:00:00	52.6	43.3	79.8	88.2	58.5	56.2	49.7	47.8	46.6	45.1
14	01:00:00	56.0	42.8	76.9	91.6	61.6	58.7	51.9	49.4	47.5	45.1
15	01:00:00	50.9	42.3	66.3	86.5	57.3	54.7	48.5	46.8	45.6	44.2
16	01:00:00	53.2	42.5	77.1	88.8	59.2	56.6	50.0	47.9	46.5	44.8
17	01:00:00	53.2	42.6	74.1	88.8	58.7	56.5	51.4	49.0	47.0	45.1
18	01:00:00	56.6	42.2	82.6	92.2	61.2	58.9	53.1	50.5	48.4	45.4
19	01:00:00	55.0	42.2	80.1	90.5	60.0	57.8	52.0	49.6	47.7	45.1
20	01:00:00	56.5	44.4	78.0	92.1	62.0	59.5	53.5	50.6	48.6	46.4
21	01:00:00	52.4	43.4	68.9	88.0	58.1	55.4	48.3	46.9	46.2	45.2
22	01:00:00	51.8	41.3	65.2	87.4	58.9	56.1	48.6	46.8	45.5	43.4
23	01:00:00	52.3	40.2	73.4	87.9	57.3	52.4	45.6	44.7	43.9	42.7



Table A1-8

HOURLY STATISTICAL NOISE SUMMARY

SCOTCH PLAINS, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.7	40.0	69.6	84.2	52.2	47.7	43.5	42.8	42.2	41.3
01	01:00:00	46.6	38.3	70.5	82.2	47.6	43.9	41.5	40.9	40.4	39.5
02	01:00:00	42.1	37.4	60.6	77.6	43.8	43.1	41.9	41.3	40.5	39.3
03	01:00:00	43.6	38.2	69.4	79.2	44.1	43.2	41.7	41.2	40.6	39.6
04	01:00:00	45.0	38.3	63.6	80.6	48.9	45.8	42.2	41.2	40.6	39.7
05	01:00:00	51.6	40.8	70.1	87.1	57.0	54.8	50.1	48.4	46.9	45.3
06	01:00:00	51.0	42.3	73.1	86.6	54.9	51.2	46.8	45.8	45.2	44.1
07	01:00:00	55.2	43.0	71.4	90.8	62.9	60.2	51.1	48.2	46.5	45.2
08	01:00:00	63.1	42.3	96.9	98.7	67.7	66.8	60.9	54.3	51.3	45.9
09	01:00:00	70.0	41.4	80.6	105.6	76.0	74.8	70.5	64.1	56.6	44.8
10	01:00:00	77.0	57.8	88.1	112.5	82.3	81.0	77.3	75.5	69.7	62.7
11	00:17:14	79.2	44.7	87.4	109.3	84.3	83.6	81.0	73.2	70.2	51.5
12-23					** NO DATA **						



Table A2-1

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-04					** NO	DATA	**				
05	01:00:00	45.9	37.3	71.9	81.5	48.5	46.3	43.9	43.1	42.4	41.2
06	01:00:00	49.1	40.6	69.9	84.7	52.9	49.8	45.9	44.9	44.2	43.1
07	01:00:00	48.5	41.1	59.9	84.1	51.9	50.8	48.8	47.3	45.5	43.4
08	01:00:00	47.5	38.6	70.1	83.1	51.3	48.0	44.0	42.7	41.7	40.5
09	01:00:00	47.0	36.3	63.6	82.6	52.7	50.3	45.7	43.5	42.1	40.1
10	01:00:00	47.9	35.8	66.0	83.5	54.0	50.9	44.9	42.8	41.1	38.7
11	01:00:00	44.1	35.1	62.7	79.7	50.2	47.1	41.0	40.0	38.6	37.2
12	00:55:23	48.4	35.0	63.0	83.7	53.4	51.0	48.2	46.8	44.3	38.4
13	01:00:00	51.6	40.5	74.5	87.2	54.5	53.0	50.7	49.7	48.5	45.9
14	01:00:00	49.5	37.8	74.5	85.1	54.3	52.3	47.6	45.3	43.5	41.2
15	01:00:00	47.3	40.0	63.5	82.9	51.5	49.4	46.2	45.3	44.5	43.1
16	01:00:00	51.3	41.9	75.3	86.9	55.1	52.4	47.8	46.6	45.7	44.3
17	01:00:00	50.5	40.6	78.4	86.0	55.0	52.4	47.6	46.3	45.4	44.1
18	01:00:00	49.1	39.3	67.8	84.7	54.3	51.1	46.4	45.2	44.2	42.4
19	01:00:00	48.2	39.9	63.6	83.8	53.6	51.2	46.9	45.7	44.7	43.1
20	01:00:00	48.2	42.8	69.0	83.7	51.6	49.8	47.6	46.8	46.1	45.1
21	01:00:00	48.5	42.6	68.7	84.1	51.3	49.5	47.5	46.7	46.1	44.9
22	01:00:00	49.5	42.1	67.1	85.0	53.8	50.8	47.2	46.4	45.7	44.4
23	01:00:00	47.4	41.3	67.3	83.0	50.0	48.0	46.2	45.5	44.7	43.5



Table A2-2

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.6	38.7	62.3	80.2	46.7	45.7	44.1	43.5	42.8	41.5
01	01:00:00	43.9	37.1	63.5	79.4	45.9	44.7	43.0	42.4	41.7	40.2
02	01:00:00	39.6	35.5	54.7	75.2	42.0	41.1	39.8	39.3	38.7	37.4
03	01:00:00	39.0	35.6	52.7	74.6	41.4	40.6	39.2	38.5	37.9	37.1
04	01:00:00	43.8	36.7	60.5	79.4	48.6	47.2	43.1	41.1	40.0	39.1
05	01:00:00	50.2	41.7	67.4	85.8	55.9	53.3	48.2	47.0	46.2	44.7
06	01:00:00	49.3	44.1	62.3	84.9	52.4	51.3	49.3	48.5	47.8	46.6
07	01:00:00	52.4	42.7	83.4	88.0	52.6	50.8	48.5	47.6	46.7	45.4
08	01:00:00	49.7	40.8	70.2	85.3	54.6	52.0	48.4	47.3	46.5	45.2
09	01:00:00	49.6	40.6	69.9	85.2	54.8	51.1	47.0	45.9	45.0	43.3
10	01:00:00	47.4	41.1	67.6	83.0	51.1	49.0	46.1	45.2	44.5	43.3
11	00:50:34	49.0	40.5	66.0	83.8	54.6	51.5	47.7	46.7	45.7	44.1
12	00:24:45	51.3	42.6	72.0	83.0	55.3	52.3	49.6	48.5	47.7	46.5
13	01:00:00	49.5	42.1	69.3	85.1	54.1	51.9	48.1	47.1	46.1	44.8
14	01:00:00	49.6	40.6	70.2	85.2	54.5	51.0	46.6	45.5	44.6	43.1
15	01:00:00	55.5	40.2	85.0	91.1	55.0	52.2	46.9	45.7	44.9	43.4
16	01:00:00	51.4	41.5	72.9	86.9	56.5	53.3	47.7	46.5	45.7	44.3
17	01:00:00	50.4	40.8	72.4	86.0	55.8	52.3	47.0	45.8	45.0	43.6
18	01:00:00	47.9	41.4	63.9	83.5	52.5	50.3	46.7	45.7	44.9	43.7
19	01:00:00	48.6	40.8	68.6	84.2	53.6	51.1	45.9	44.8	44.1	43.0
20	01:00:00	48.7	41.7	68.1	84.3	52.7	49.6	46.5	45.5	44.8	43.7
21	01:00:00	47.3	42.5	66.1	82.9	48.5	47.8	46.6	46.0	45.5	44.5
22	01:00:00	48.6	42.3	70.4	84.2	52.3	49.1	46.5	45.8	45.2	44.1
23	01:00:00	46.1	40.4	65.8	81.7	48.2	46.9	45.5	44.8	44.2	43.2



U.S. Department
of Transportation

Research and
Special Programs
Administration

Voice National
Transportation
Systems Center

Noise Measurement
and Assessment
Facility

December 20, 1991

Table A2-3

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.2	38.3	61.6	79.8	47.0	45.8	43.8	42.8	41.9	40.7
01	01:00:00	42.0	36.8	57.2	77.6	44.8	43.8	42.0	41.3	40.7	39.5
02	01:00:00	41.7	35.5	61.8	77.3	42.6	41.4	39.8	39.2	38.6	37.6
03	01:00:00	41.2	36.4	57.9	76.8	43.6	42.7	41.0	40.4	39.7	38.5
04	01:00:00	43.3	36.8	55.9	78.9	48.2	46.6	42.4	41.3	40.5	39.3
05	01:00:00	48.1	41.4	61.7	83.7	51.8	50.4	47.9	46.9	46.0	44.5
06	01:00:00	50.6	44.7	68.3	86.2	54.5	51.9	49.7	49.0	48.3	47.1
07	01:00:00	50.5	43.8	63.3	86.0	55.1	53.1	49.7	48.6	47.8	46.4
08	01:00:00	51.4	42.7	67.4	87.0	58.5	54.6	48.8	47.7	46.8	45.5
09	01:00:00	57.5	40.1	75.8	93.1	64.1	62.8	51.9	47.6	45.7	43.4
10	01:00:00	47.9	40.8	67.0	83.5	51.8	50.0	46.9	45.8	45.0	43.7
11	01:00:00	50.4	40.7	76.5	86.0	52.8	50.9	47.3	46.0	45.1	43.7
12	01:00:00	49.1	40.6	68.5	84.7	54.0	51.1	47.0	45.7	44.9	43.3
13	01:00:00	47.7	41.3	72.8	83.3	51.7	49.9	46.9	45.9	45.1	43.7
14	01:00:00	49.5	41.4	74.5	85.1	54.1	51.0	47.3	46.2	45.3	44.0
15	00:17:50	49.3	40.0	62.0	79.6	54.9	52.6	48.7	47.4	46.2	44.2
16	01:00:00	48.9	42.2	64.2	84.4	53.1	51.5	48.3	47.1	46.2	44.9
17	01:00:00	50.3	41.9	68.1	85.9	55.5	53.0	48.3	46.9	45.9	44.2
18	01:00:00	51.5	41.6	74.3	87.1	55.9	53.8	48.3	46.7	45.7	44.3
19	01:00:00	51.0	41.8	66.5	86.6	57.1	53.7	49.2	47.9	46.8	45.1
20	01:00:00	49.9	43.4	65.8	85.5	53.9	51.9	48.7	47.8	47.0	45.8
21	01:00:00	50.2	42.9	70.7	85.8	53.9	51.2	48.1	47.3	46.6	45.4
22	01:00:00	49.0	42.8	70.8	84.5	50.8	49.0	47.3	46.7	46.2	45.1
23	01:00:00	47.6	41.4	70.6	83.2	49.6	48.1	46.4	45.7	45.1	44.1



Table A2-4

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	42.8	38.5	56.0	78.4	45.3	44.5	42.9	42.4	41.8	40.7
01	01:00:00	40.1	35.8	49.5	75.6	43.1	42.3	40.2	39.4	38.6	37.5
02	01:00:00	42.5	37.3	62.9	78.1	44.5	43.4	41.7	41.1	40.5	39.4
03	01:00:00	42.8	37.7	66.5	78.4	44.2	43.0	41.5	40.9	40.4	39.4
04	01:00:00	43.7	37.5	57.3	79.3	48.6	46.8	43.0	41.5	40.5	39.4
05	01:00:00	49.6	41.8	71.7	85.2	52.4	50.9	48.2	47.2	46.3	44.8
06	01:00:00	50.9	44.6	63.0	86.4	55.2	52.7	50.2	49.4	48.6	47.2
07	01:00:00	51.9	45.7	68.3	87.5	55.4	53.4	50.9	49.8	49.0	47.8
08	01:00:00	53.7	43.5	78.8	89.2	55.6	52.7	49.0	48.2	47.5	46.4
09	01:00:00	49.8	42.6	71.5	85.4	53.5	51.5	48.0	47.0	46.2	44.9
10	01:00:00	50.6	40.6	82.7	86.1	53.9	50.9	46.9	45.7	44.7	43.2
11	01:00:00	47.1	39.6	70.1	82.7	50.7	49.3	46.1	45.0	44.2	42.7
12	01:00:00	48.7	39.6	68.3	84.2	53.5	50.7	47.0	45.9	44.9	43.1
13	01:00:00	47.6	40.4	65.2	83.2	52.0	50.0	46.8	45.5	44.6	43.2
14					** NO DATA **						
15	01:00:00	50.7	41.1	69.9	86.2	55.2	52.9	49.4	48.0	47.0	45.4
16	01:00:00	50.8	42.8	73.3	86.4	54.8	52.3	49.0	48.0	47.2	45.6
17	01:00:00	49.7	42.8	67.5	85.3	53.8	51.3	48.4	47.4	46.6	45.2
18	01:00:00	49.2	40.6	68.1	84.8	53.9	51.4	47.6	46.5	45.6	44.2
19	01:00:00	49.8	42.3	70.2	85.3	54.4	51.9	48.6	47.6	46.8	45.6
20	01:00:00	49.6	44.3	64.3	85.1	52.4	50.7	48.9	48.3	47.6	46.6
21	01:00:00	48.5	42.8	72.3	84.0	51.8	49.8	47.8	47.1	46.4	45.3
22	01:00:00	48.1	41.3	64.2	83.6	52.5	49.6	46.7	45.9	45.2	43.8
23	01:00:00	44.8	40.4	59.9	80.4	47.6	46.3	44.5	43.8	43.3	42.3

Table A2-5

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	43.5	37.9	58.8	79.1	46.1	45.2	43.5	42.7	42.0	41.0
01	01:00:00	41.3	37.3	54.7	76.9	43.6	42.8	41.6	41.0	40.4	39.4
02	01:00:00	41.1	37.3	58.3	76.7	43.4	42.4	40.9	40.3	39.8	39.0
03	01:00:00	40.6	36.8	49.3	76.2	42.8	42.1	40.9	40.3	39.8	38.8
04	01:00:00	43.3	37.0	59.7	78.9	47.7	46.0	42.7	41.4	40.4	39.1
05	01:00:00	46.2	39.3	61.4	81.8	49.8	48.6	46.1	45.1	44.2	42.7
06	01:00:00	47.8	39.5	67.8	83.4	51.9	49.1	45.8	44.8	44.1	42.7
07	01:00:00	50.2	40.5	75.5	85.8	53.4	50.9	46.8	45.6	44.6	43.2
08	01:00:00	50.2	41.7	74.8	85.8	55.1	52.2	47.7	46.6	45.7	44.3
09	01:00:00	50.2	41.0	68.4	85.8	55.5	53.3	49.0	47.0	45.5	43.7
10	01:00:00	50.3	41.7	75.5	85.9	55.5	52.5	48.1	46.9	45.9	44.4
11	01:00:00	47.0	41.5	63.2	82.5	50.5	49.0	46.5	45.7	45.1	44.0
12	01:00:00	48.2	41.4	65.0	83.7	52.5	50.5	47.3	46.3	45.5	44.1
13	00:37:47	45.9	41.7	54.0	79.5	49.0	48.1	46.6	45.9	45.3	44.2
14	00:44:56	47.5	39.5	61.0	81.8	53.4	50.5	46.5	45.1	44.2	42.9
15	01:00:00	45.1	37.6	63.4	80.7	48.7	46.8	44.1	43.1	42.2	40.6
16	01:00:00	46.5	37.0	68.1	82.0	51.8	49.2	44.3	42.7	41.4	39.6
17	01:00:00	48.2	35.9	65.7	83.8	54.3	51.3	44.8	43.1	41.7	39.8
18	01:00:00	49.3	38.2	68.6	84.9	54.2	51.6	46.6	44.9	43.8	41.8
19	01:00:00	59.8	38.1	79.0	95.4	67.8	63.4	51.0	46.5	44.5	40.9
20	01:00:00	49.2	41.9	82.3	84.7	50.4	48.5	46.6	45.9	45.2	44.1
21	01:00:00	48.9	43.6	68.9	84.4	51.5	50.5	48.8	48.1	47.4	46.3
22	01:00:00	48.6	42.8	58.8	84.2	51.2	50.5	48.8	48.1	47.4	46.2
23	01:00:00	48.3	42.9	59.5	83.9	50.8	50.0	48.6	47.8	47.2	46.1

Table A2-6

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.5	41.0	67.2	82.1	49.0	48.0	46.3	45.6	44.9	43.7
01	01:00:00	44.8	40.2	59.8	80.4	47.2	46.5	45.0	44.4	43.7	42.6
02	01:00:00	42.7	36.9	56.0	78.3	45.6	44.7	42.9	42.1	41.3	40.0
03	01:00:00	39.0	32.9	56.0	74.6	42.9	41.3	38.7	37.6	36.7	35.3
04	01:00:00	36.7	31.4	54.5	72.3	39.2	38.5	36.9	36.1	35.2	33.7
05	01:00:00	38.4	32.5	62.1	74.0	40.7	39.0	37.2	36.4	35.7	34.6
06	01:00:00	47.7	32.8	75.8	83.3	52.6	47.8	38.7	37.5	36.6	35.3
07	01:00:00	44.7	34.8	66.7	80.3	48.4	44.6	40.4	39.4	38.6	37.3
08	01:00:00	48.8	37.8	73.9	84.4	49.8	47.2	43.3	42.3	41.5	40.3
09	01:00:00	53.8	35.9	83.1	89.4	51.7	48.0	43.7	42.3	41.0	39.2
10	01:00:00	63.0	34.8	101.2	98.6	52.4	49.9	46.0	44.5	42.7	38.9
11	01:00:00	51.0	42.7	70.4	86.6	55.8	53.9	50.1	48.6	47.2	45.2
12	01:00:00	48.6	38.8	67.4	84.2	53.9	52.0	47.4	45.8	44.7	43.0
13	01:00:00	48.7	38.9	67.8	84.3	53.5	50.8	47.1	45.8	44.6	43.1
14	01:00:00	46.4	38.8	72.1	82.0	50.3	48.4	45.6	44.7	43.8	42.1
15	00:30:22	48.8	40.8	67.4	81.4	54.5	50.8	47.3	46.2	45.3	43.9
16	00:57:28	49.5	39.6	73.7	84.9	55.7	52.7	47.1	45.8	44.8	43.4
17	01:00:00	51.1	36.8	79.5	86.6	56.0	52.7	46.4	44.6	42.9	40.4
18	01:00:00	50.4	38.4	70.9	86.0	56.1	52.4	47.9	46.4	44.9	42.6
19	01:00:00	48.5	39.1	69.3	84.1	52.9	50.8	47.7	46.2	44.7	42.5
20	01:00:00	47.2	35.1	75.9	82.7	50.6	48.7	45.4	42.8	41.0	38.6
21	01:00:00	43.3	33.4	64.6	78.9	46.8	43.8	40.2	38.9	37.8	36.1
22	01:00:00	40.5	32.0	60.5	76.1	45.9	42.7	37.6	36.1	35.1	33.9
23	01:00:00	40.8	31.7	68.0	76.4	43.4	41.4	38.6	37.2	36.0	34.3

Table A2-7

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	39.8	34.2	49.9	75.3	42.7	41.9	40.0	39.1	38.3	37.0
01	01:00:00	38.8	33.3	55.7	74.4	42.2	41.1	38.9	38.0	37.1	35.6
02	01:00:00	40.3	33.7	54.4	75.9	43.7	41.9	39.8	38.8	37.8	36.3
03	01:00:00	40.0	34.0	48.6	75.6	42.8	42.0	40.4	39.5	38.8	37.5
04	01:00:00	42.7	33.3	55.1	78.3	47.9	46.5	42.3	40.2	38.8	37.0
05	01:00:00	47.2	39.8	70.9	82.7	50.8	49.6	46.9	45.9	45.1	43.3
06	01:00:00	46.9	38.5	70.2	82.5	51.4	48.4	45.2	44.3	43.4	41.6
07	01:00:00	48.9	37.9	68.4	84.4	53.7	50.7	45.7	43.8	42.5	40.5
08	01:00:00	50.3	35.5	76.0	85.8	50.2	47.6	42.7	41.0	39.9	38.3
09	01:00:00	48.2	36.7	68.8	83.8	53.4	50.2	44.6	42.5	41.2	39.2
10	01:00:00	46.5	37.8	69.9	82.1	51.2	47.8	43.8	42.8	41.9	40.3
11	01:00:00	46.2	38.6	67.8	81.7	49.4	47.6	44.7	43.7	42.7	41.1
12	01:00:00	56.4	37.4	83.7	92.0	50.8	48.2	45.5	44.5	43.6	42.0
13	00:42:03	51.0	40.9	67.0	85.0	57.2	54.0	49.1	47.4	46.3	44.3
14	00:47:56	48.4	39.6	66.0	83.0	53.0	50.0	46.1	45.2	44.4	43.0
15	01:00:00	47.3	38.2	65.6	82.9	50.9	48.6	45.8	44.8	43.9	42.3
16	01:00:00	53.3	40.0	80.8	88.8	52.4	49.1	46.0	45.1	44.3	42.8
17	01:00:00	47.3	40.3	64.8	82.9	51.4	49.4	46.3	45.2	44.4	43.1
18	01:00:00	50.1	40.7	69.7	85.7	54.0	51.4	47.6	46.2	45.2	43.6
19	01:00:00	47.9	39.8	67.0	83.5	52.4	50.3	47.0	45.8	44.8	43.1
20	01:00:00	49.5	42.4	66.7	85.1	54.2	51.8	48.6	47.6	46.9	45.5
21	01:00:00	52.5	39.6	77.6	88.1	54.6	51.1	47.2	45.7	44.7	43.3
22	01:00:00	46.9	39.4	64.6	82.5	50.7	48.4	45.5	44.8	44.2	42.9
23	01:00:00	45.3	37.8	63.2	80.9	50.1	46.7	43.7	42.8	42.2	41.1



Table A2-8

HOURLY STATISTICAL NOISE SUMMARY

DENVILLE, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.2	35.7	66.5	81.7	48.7	44.8	41.8	41.0	40.1	38.5
01	01:00:00	39.9	33.9	55.2	75.5	44.0	42.0	39.2	38.3	37.5	36.3
02	01:00:00	36.9	31.0	51.4	72.4	39.3	38.6	37.0	36.4	35.8	34.8
03	01:00:00	38.2	32.9	47.8	73.8	40.9	40.1	38.6	37.8	37.0	35.5
04	01:00:00	43.5	34.7	56.5	79.1	49.0	47.4	42.8	40.6	39.1	37.2
05	01:00:00	46.6	39.0	65.4	82.2	51.1	49.1	45.5	44.1	43.3	42.1
06	01:00:00	58.9	41.6	86.3	94.4	60.9	55.9	47.6	45.9	45.0	43.6
07	01:00:00	51.1	40.9	69.7	86.7	55.2	52.8	49.1	47.4	46.0	44.3
08	01:00:00	50.6	39.7	69.3	86.2	56.2	53.0	46.7	45.0	43.8	42.1
09	01:00:00	50.7	38.7	73.5	86.2	56.3	53.1	46.2	44.4	43.1	41.3
10	00:04:47	54.7	38.1	69.0	79.3	62.5	53.3	44.9	43.1	42.0	40.5
11-23					** NO DATA **						



Table A3-1

HOURLY STATISTICAL NOISE SUMMARY
KEARNY, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-04					** NO DATA **						
05	01:00:00	53.1	43.3	72.5	88.7	58.1	55.2	50.7	49.2	47.9	46.1
06	01:00:00	58.3	45.8	83.5	93.9	62.2	59.1	53.3	51.1	49.5	47.7
07	01:00:00	57.6	44.1	82.1	93.2	63.4	60.0	54.1	51.9	49.9	47.3
08	01:00:00	62.9	42.5	92.0	98.4	69.8	65.6	57.7	54.6	52.0	48.1
09	01:00:00	65.2	42.6	94.2	100.8	72.4	71.4	59.1	57.0	53.6	48.0
10	01:00:00	59.0	42.4	92.0	94.5	64.1	61.2	54.7	51.6	49.4	46.2
11	01:00:00	58.6	41.7	82.4	94.2	65.3	62.3	54.7	51.9	49.7	45.6
12	01:00:00	60.4	42.4	79.1	96.0	67.0	63.9	56.1	53.3	50.8	47.5
13	01:00:00	60.2	45.2	83.5	95.8	66.2	63.2	55.7	52.7	50.7	48.1
14	01:00:00	60.8	43.7	90.6	96.4	65.6	62.6	56.3	53.7	51.0	47.0
15	01:00:00	59.8	44.6	80.6	95.3	65.7	62.9	57.1	54.1	51.6	48.1
16	01:00:00	60.1	48.0	88.0	95.6	66.1	63.4	56.8	54.7	53.2	51.0
17	01:00:00	62.1	47.0	81.8	97.7	67.8	65.8	60.0	56.4	54.1	51.3
18	01:00:00	60.6	46.6	82.3	96.2	66.6	64.0	57.7	54.7	52.5	50.1
19	01:00:00	61.5	46.8	89.6	97.1	66.7	63.9	56.9	54.6	52.6	50.0
20	01:00:00	59.5	45.5	85.2	95.0	65.7	62.3	55.6	53.0	51.1	48.0
21	01:00:00	59.2	46.3	79.9	94.8	65.2	61.8	55.5	53.0	51.3	49.0
22	01:00:00	57.7	46.4	78.9	93.3	63.7	60.2	54.3	51.8	50.1	48.4
23	01:00:00	57.8	45.2	78.3	93.4	64.1	60.8	53.3	50.9	49.1	47.1



Table A3-2

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	55.8	43.2	78.5	91.4	60.1	54.9	48.3	46.8	45.9	44.6
01	01:00:00	53.6	42.8	79.8	89.2	58.0	52.7	46.8	45.8	45.0	44.2
02	01:00:00	51.9	40.9	77.3	87.5	55.1	52.6	46.0	44.9	44.2	43.0
03	01:00:00	63.2	41.2	89.8	98.8	59.3	52.8	45.5	44.4	43.7	42.7
04	01:00:00	49.5	41.0	75.3	85.0	51.2	47.0	44.2	43.6	43.1	42.3
05	01:00:00	59.7	42.5	85.9	95.3	62.6	57.9	51.2	48.9	47.3	45.6
06	01:00:00	58.6	44.4	84.7	94.2	61.7	57.8	52.0	49.9	48.6	47.0
07	01:00:00	58.0	45.0	79.0	93.5	63.7	60.4	54.7	52.6	51.1	48.2
08	01:00:00	58.9	43.7	85.1	94.5	64.6	61.6	55.0	52.4	50.4	47.5
09	00:30:32	59.7	43.7	77.0	92.3	66.8	63.6	58.0	52.9	49.8	47.0
10	01:00:00	60.4	44.1	83.9	95.9	65.3	61.9	55.2	52.5	50.0	46.9
11	01:00:00	58.2	44.9	79.0	93.7	64.1	60.6	54.4	52.3	50.6	48.2
12	01:00:00	58.5	44.9	79.7	94.1	64.6	61.4	55.7	53.3	51.3	48.8
13	01:00:00	61.6	45.0	88.2	97.2	67.0	63.5	56.9	54.4	52.0	49.0
14	01:00:00	59.3	45.1	81.8	94.8	65.4	62.7	55.6	52.6	50.5	48.2
15	01:00:00	59.9	45.7	86.6	95.5	65.9	63.4	56.6	53.7	51.4	48.7
16	01:00:00	59.4	46.3	79.6	95.0	65.9	63.1	56.3	53.7	51.7	49.3
17	01:00:00	60.5	47.0	81.8	96.1	66.6	64.3	57.7	55.1	53.0	50.2
18	01:00:00	60.5	46.5	78.1	96.1	67.1	64.7	57.7	55.2	52.6	49.9
19	01:00:00	59.6	46.6	78.6	95.2	65.8	63.3	57.4	54.6	52.4	49.9
20	01:00:00	60.2	46.6	87.1	95.8	65.4	62.7	56.1	53.6	51.7	49.2
21	01:00:00	57.8	45.7	79.3	93.4	63.9	60.9	54.1	51.6	49.9	47.9
22	01:00:00	57.8	45.3	82.2	93.4	62.9	59.2	52.9	50.6	49.1	46.9
23	01:00:00	58.6	45.9	79.9	94.2	63.4	59.7	52.9	50.1	48.6	47.2



Table A3-3

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	55.9	44.8	78.7	91.5	61.3	57.0	49.9	48.4	47.5	46.3
01	01:00:00	54.1	43.7	77.2	89.7	55.9	51.2	47.1	46.4	45.8	45.1
02	01:00:00	53.7	43.0	78.8	89.3	54.1	50.0	46.0	45.3	44.8	44.1
03	01:00:00	58.0	42.7	84.9	93.5	60.9	54.9	46.4	44.9	44.4	43.5
04	01:00:00	50.9	42.8	76.3	86.4	52.2	47.9	45.5	44.9	44.5	44.0
05	01:00:00	60.5	44.4	85.2	96.0	61.8	57.8	52.1	49.9	48.4	46.7
06	01:00:00	58.4	45.9	84.6	94.0	62.6	59.2	53.4	51.2	49.7	48.0
07	01:00:00	59.1	45.2	85.2	94.7	65.4	62.3	55.2	52.9	51.1	48.3
08	00:31:36	59.7	45.1	81.0	92.5	65.9	62.8	57.3	55.2	53.5	50.3
09	00:48:47	59.3	44.8	80.0	93.9	65.8	62.8	56.8	54.4	52.4	49.6
10	01:00:00	58.4	44.9	81.6	94.0	64.2	60.7	54.4	51.8	50.0	47.5
11	01:00:00	58.7	45.5	82.6	94.3	64.6	61.9	55.6	53.0	51.2	48.5
12	01:00:00	60.3	46.2	82.5	95.8	66.1	63.6	56.8	53.5	51.3	48.8
13	01:00:00	59.9	45.3	80.7	95.5	65.4	62.9	57.4	54.5	52.0	49.3
14	01:00:00	61.4	45.3	91.5	97.0	64.9	61.6	54.6	52.0	50.4	48.2
15	01:00:00	59.8	44.1	78.6	95.4	66.4	63.7	56.5	53.4	51.0	47.9
16	01:00:00	61.2	46.1	89.0	96.8	66.1	63.4	56.7	54.0	52.1	49.2
17	01:00:00	60.9	46.1	83.9	96.5	67.2	64.7	57.8	54.8	52.1	49.4
18	01:00:00	60.6	46.8	80.8	96.2	66.6	64.1	58.3	55.6	53.2	49.9
19	01:00:00	60.3	46.6	83.6	95.9	66.1	63.3	57.0	54.3	52.0	49.2
20	01:00:00	58.6	46.7	79.8	94.2	65.0	62.3	55.6	52.6	50.7	48.6
21	01:00:00	57.6	46.7	79.0	93.1	63.3	59.8	54.3	52.3	50.7	48.9
22	01:00:00	57.9	47.3	82.4	93.5	64.3	60.4	53.6	51.7	50.4	49.0
23	01:00:00	56.7	46.1	78.2	92.3	62.0	58.9	52.8	50.2	48.9	47.6



U.S. Department
of Transportation
Research and
Special Programs
Administration
Voice National
Transportation
Systems Center
Noise Measurement
and Assessment
Facility

December 20, 1991

Table A3-4

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	55.3	44.8	80.8	90.9	58.0	53.7	48.9	47.8	47.2	46.2
01	01:00:00	54.8	44.3	78.4	90.4	58.9	53.4	47.7	46.6	45.9	45.2
02	01:00:00	54.5	44.3	78.5	90.1	55.3	49.9	46.2	45.8	45.5	45.1
03	01:00:00	53.3	44.0	81.6	88.9	55.4	51.8	46.6	45.9	45.5	45.0
04	01:00:00	54.3	43.6	78.8	89.8	53.2	49.1	45.8	45.4	45.0	44.3
05	01:00:00	54.1	44.2	74.3	89.6	59.2	55.2	50.0	48.7	47.7	45.7
06	01:00:00	60.1	45.4	84.7	95.6	63.5	59.1	52.6	50.6	49.0	47.4
07	01:00:00	59.0	45.6	89.6	94.5	64.9	61.6	54.9	52.2	50.3	48.3
08	00:10:20	59.4	45.5	76.0	87.3	65.7	63.2	55.7	53.0	51.2	48.7
09-23					** NO DATA **						



Table A3-5

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-10					** NO DATA **						
11	00:36:30	59.4	45.6	76.0	92.8	66.5	63.5	57.3	54.5	52.1	49.5
12	01:00:00	60.3	46.4	82.0	95.8	66.5	63.1	56.8	54.5	52.7	50.2
13	01:00:00	63.0	47.7	81.5	98.6	69.5	67.0	60.1	56.9	54.2	51.2
14	01:00:00	64.1	45.7	90.7	99.7	68.0	64.4	56.7	53.8	51.6	49.1
15	01:00:00	63.2	46.1	85.2	98.7	69.3	65.9	58.2	55.1	52.7	49.8
16	01:00:00	60.8	45.5	89.4	96.4	66.5	63.4	55.9	53.0	50.9	48.5
17	01:00:00	58.6	48.0	78.0	94.1	64.6	61.3	55.6	53.3	51.8	49.9
18-23					** NO DATA **						

Table A3-6

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-07					** NO DATA **						
08	00:26:39	60.7	44.8	79.0	92.7	68.1	64.2	56.5	53.8	51.6	48.7
09	01:00:00	62.6	44.3	84.6	98.2	68.4	65.3	57.8	54.8	52.3	48.6
10	01:00:00	56.9	43.3	79.1	92.5	62.8	59.5	53.6	51.4	49.6	47.0
11	01:00:00	63.0	44.3	90.3	98.6	68.7	66.5	56.6	53.5	51.4	48.5
12	01:00:00	58.3	43.3	79.1	93.9	65.0	61.6	54.6	52.2	50.4	47.7
13	01:00:00	59.4	44.4	77.5	95.0	66.0	62.8	55.9	53.4	51.6	49.0
14	01:00:00	59.4	42.4	78.0	94.9	66.4	63.3	55.3	52.0	49.7	46.4
15	01:00:00	58.6	42.1	76.0	94.2	65.0	62.1	55.6	52.5	49.8	46.0
16	01:00:00	66.3	45.0	107.2	101.9	67.1	63.7	57.0	54.3	51.9	48.7
17	01:00:00	65.5	47.7	91.9	101.1	69.1	66.6	59.4	56.6	54.2	51.3
18	01:00:00	65.3	46.9	87.3	100.9	71.2	67.8	59.1	55.5	52.9	50.3
19	01:00:00	67.1	45.3	105.0	102.7	70.0	67.0	58.9	55.8	53.5	50.3
20	01:00:00	67.3	44.7	104.2	102.9	70.9	67.3	59.1	55.5	52.6	49.3
21	01:00:00	65.3	43.6	87.6	100.9	71.2	67.6	58.9	54.7	51.4	47.5
22	01:00:00	60.3	42.4	81.1	95.8	66.5	62.8	53.3	49.1	46.9	44.8
23	01:00:00	62.7	42.2	88.1	98.2	62.1	55.5	47.4	45.8	44.9	44.0



Table A3-7

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	52.8	39.9	76.9	88.4	57.7	53.2	45.3	44.0	43.1	41.7
01	01:00:00	48.4	39.4	73.4	84.0	48.7	45.8	42.9	42.3	41.8	40.8
02	01:00:00	45.7	39.1	73.3	81.2	47.2	44.3	42.2	41.7	41.3	40.4
03	01:00:00	52.1	40.3	80.6	87.6	52.0	48.3	44.4	43.7	43.1	42.2
04	01:00:00	49.6	39.6	74.2	85.2	50.6	47.9	45.2	43.8	42.5	41.3
05	01:00:00	55.9	43.6	76.4	91.5	60.6	56.2	51.8	50.6	49.4	46.9
06	01:00:00	63.0	46.4	85.4	98.6	67.3	63.1	54.9	53.2	51.7	50.0
07	01:00:00	65.9	44.3	90.2	101.5	70.4	67.3	59.2	55.8	53.5	49.4
08	00:26:57	63.5	44.2	80.0	95.6	70.3	66.6	59.2	56.6	54.5	50.7
09	01:00:00	68.8	46.3	88.2	104.4	74.7	71.1	65.5	61.6	57.8	53.1
10	01:00:00	66.9	44.7	88.2	102.5	72.7	68.2	60.0	56.5	53.8	50.6
11	01:00:00	67.3	43.1	91.5	102.9	72.7	69.3	62.3	57.7	54.6	49.9
12	01:00:00	64.6	44.5	88.6	100.2	69.3	66.3	59.0	56.2	53.7	50.2
13	01:00:00	63.7	45.5	87.9	99.3	68.8	65.8	58.8	55.6	53.2	50.1
14	01:00:00	61.4	42.2	82.5	97.0	68.2	65.2	57.2	54.1	51.5	48.0
15	01:00:00	64.2	43.1	91.2	99.8	70.3	67.1	59.7	56.7	54.0	49.6
16	01:00:00	64.1	43.0	89.4	99.7	69.7	66.8	61.0	58.4	55.6	50.7
17	01:00:00	66.5	45.6	92.3	102.1	71.7	68.9	61.5	58.0	55.2	51.1
18	01:00:00	65.7	44.5	87.6	101.3	71.9	68.7	61.3	57.9	55.2	50.6
19	01:00:00	65.3	44.4	85.9	100.9	71.1	68.2	61.4	58.2	55.4	51.2
20	01:00:00	65.7	44.0	92.4	101.3	70.4	67.4	59.8	56.5	53.6	49.2
21:	1:00:00	58.3	42.5	79.2	93.9	63.9	60.6	53.7	50.7	48.3	45.0
22	01:00:00	58.0	43.2	83.7	93.6	62.6	59.1	53.0	50.5	48.0	45.7
23	01:00:00	54.7	42.8	84.0	90.2	59.5	56.1	49.2	47.4	46.1	44.6

Table A3-8

HOURLY STATISTICAL NOISE SUMMARY

KEARNY, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	55.0	42.9	80.0	90.6	59.5	56.0	51.4	50.4	49.5	47.0
01	01:00:00	54.2	44.0	73.5	89.7	58.3	55.1	50.2	49.3	48.5	46.9
02	01:00:00	58.4	42.9	83.9	94.0	55.3	50.2	47.9	47.3	46.7	45.5
03	01:00:00	59.1	44.6	85.1	94.6	53.1	50.5	48.6	47.9	47.3	46.3
04	01:00:00	58.5	44.0	81.1	94.1	62.0	58.4	51.3	49.9	49.1	47.4
05	01:00:00	59.5	46.1	83.0	95.0	61.6	57.4	53.3	52.0	51.0	49.2
06	01:00:00	65.0	49.7	90.1	100.5	68.3	64.1	56.7	55.3	54.4	52.9
07	01:00:00	64.6	48.6	87.6	100.1	69.4	66.5	59.6	56.9	54.7	51.8
08	00:27:11	64.1	47.1	84.0	96.3	70.4	67.3	60.1	57.4	55.5	52.5
09-23					** NO DATA **						



Table A4-1

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-07					** NO DATA **						
08	00:52:46	55.1	44.6	67.0	90.1	59.8	58.6	56.0	54.5	52.2	49.0
09	01:00:00	51.3	44.6	64.8	86.9	55.6	54.2	50.9	49.4	48.1	46.5
10	01:00:00	51.8	44.4	76.6	87.4	55.3	53.3	49.7	48.4	47.3	46.1
11	01:00:00	52.0	44.2	70.0	87.6	56.4	54.1	50.3	48.8	47.6	46.1
12	01:00:00	52.3	43.8	71.4	87.9	55.6	53.5	50.2	48.8	47.6	46.0
13	01:00:00	53.5	43.8	74.0	89.0	56.8	54.8	51.5	49.8	48.5	46.8
14	01:00:00	51.0	43.6	68.4	86.6	55.7	53.9	50.2	48.7	47.4	45.7
15	01:00:00	53.2	44.3	73.4	88.8	57.9	55.4	51.1	49.3	47.8	46.2
16	01:00:00	51.8	44.9	68.3	87.4	55.8	54.4	51.2	50.1	48.9	47.1
17	01:00:00	53.7	44.7	70.5	89.3	57.9	56.2	53.2	51.7	50.4	48.2
18	01:00:00	55.4	44.9	72.3	91.0	61.5	57.9	52.9	51.3	50.2	48.1
19	01:00:00	54.3	45.6	74.1	89.9	58.4	56.9	54.0	52.3	51.0	49.2
20	01:00:00	54.1	45.2	70.2	89.6	58.5	56.6	53.3	51.8	50.6	48.2
21	01:00:00	51.0	44.1	66.0	86.6	55.2	53.9	50.6	48.9	47.4	45.6
22	01:00:00	51.0	43.9	66.8	86.5	55.8	53.4	49.1	47.6	46.4	45.2
23	01:00:00	49.4	44.6	60.3	84.9	53.9	52.5	48.8	47.4	46.6	45.7



Table A4-2

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.4	44.8	69.6	84.0	51.3	49.4	46.8	46.5	46.1	45.4
01	01:00:00	47.5	44.4	59.6	83.1	52.2	48.9	46.7	46.3	45.9	45.3
02	01:00:00	46.8	44.9	60.8	82.3	48.3	47.2	46.6	46.4	46.1	45.4
03	01:00:00	47.5	44.7	62.4	83.1	51.6	47.8	46.7	46.5	46.2	45.6
04	01:00:00	47.8	44.9	68.4	83.4	50.0	48.7	47.2	46.8	46.4	46.0
05	01:00:00	53.0	45.4	70.4	88.6	56.8	55.9	53.6	52.0	50.1	47.5
06	01:00:00	51.0	45.1	62.3	86.6	55.4	53.9	50.8	49.5	48.4	46.9
07	01:00:00	53.7	45.4	72.1	89.3	57.3	55.0	51.8	50.5	49.4	47.6
08	01:00:00	52.9	46.1	71.5	88.4	56.5	54.8	51.6	50.4	49.3	47.8
09	01:00:00	53.5	45.9	72.1	89.0	57.6	55.8	52.2	50.7	49.5	47.9
10	00:46:56	54.1	44.9	66.0	88.6	62.0	57.4	52.5	51.0	49.8	47.9
11	01:00:00	54.5	45.1	73.0	90.1	59.1	56.7	52.9	51.3	49.8	47.6
12	01:00:00	54.1	45.0	73.4	89.7	58.2	56.6	53.4	51.9	50.6	48.3
13	01:00:00	53.7	44.5	69.2	89.3	57.8	56.6	53.3	51.6	50.1	47.8
14	01:00:00	54.4	44.9	75.0	90.0	58.6	56.6	53.4	51.9	50.4	48.0
15	01:00:00	53.7	44.1	80.6	89.3	58.1	56.4	52.6	50.8	49.4	47.1
16	01:00:00	54.3	44.7	69.7	89.9	58.8	57.0	53.8	52.1	50.7	48.2
17	01:00:00	54.9	45.1	72.6	90.4	59.4	57.3	53.5	51.8	50.5	48.4
18	01:00:00	54.3	45.1	79.2	89.9	58.1	56.9	54.5	53.1	51.9	50.0
19	01:00:00	53.3	45.1	70.3	88.9	56.7	55.4	53.0	52.0	50.9	49.1
20	01:00:00	53.5	45.2	70.1	89.0	56.9	55.9	53.8	52.6	51.0	47.8
21	01:00:00	50.5	44.7	64.8	86.1	55.0	53.2	50.0	48.7	47.5	46.1
22	01:00:00	50.5	44.9	63.7	86.1	55.0	53.5	50.1	48.6	47.5	46.3
23	01:00:00	49.2	45.3	64.3	84.7	53.3	51.5	48.4	47.4	46.8	46.2



Table A4-3

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leg dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	00:59:44	49.0	45.3	61.4	84.5	53.8	52.0	47.7	46.9	46.5	46.1
01	01:00:00	47.4	45.3	60.6	83.0	49.6	48.2	47.4	46.9	46.6	46.1
02	01:00:00	48.0	45.6	58.5	83.6	51.7	48.6	47.6	47.2	46.9	46.3
03	01:00:00	46.9	45.6	53.6	82.5	47.9	47.8	47.1	46.8	46.5	46.1
04	01:00:00	48.7	46.0	59.5	84.3	52.9	50.1	47.9	47.6	47.3	46.7
05	01:00:00	53.6	46.7	67.0	89.2	57.6	56.7	54.3	52.4	50.4	48.3
06	01:00:00	53.3	46.6	68.5	88.9	58.1	56.5	52.8	51.0	49.6	48.2
07	01:00:00	53.7	46.6	70.2	89.3	57.9	56.4	53.5	52.2	50.9	48.9
08	01:00:00	54.5	46.2	72.8	90.1	58.2	56.5	53.1	51.6	50.3	48.5
09	01:00:00	55.3	45.8	79.1	90.9	57.9	55.6	52.3	51.0	50.0	48.1
10	01:00:00	52.4	45.1	69.0	88.0	56.6	55.1	52.0	50.5	49.2	47.4
11	01:00:00	53.1	45.0	72.5	88.7	57.0	55.3	51.8	50.2	48.9	47.1
12	00:43:53	53.0	45.1	67.0	87.2	57.1	55.7	53.2	52.0	50.9	49.1
13					** NO DATA **						
14	01:00:00	50.7	41.1	64.0	86.1	54.7	53.6	51.1	49.8	48.5	45.9
15	01:00:00	51.8	41.4	66.2	87.4	56.8	55.1	51.4	49.7	48.1	45.4
16	01:00:00	51.5	41.3	67.6	87.1	55.9	54.7	51.7	50.0	48.5	45.5
17	01:00:00	53.7	42.7	76.3	89.3	57.5	56.1	53.2	51.4	49.9	47.4
18	01:00:00	53.8	41.8	71.1	89.4	58.9	56.5	52.6	50.7	49.2	46.3
19	01:00:00	52.3	43.2	64.8	87.9	56.7	55.4	52.0	50.5	49.0	46.6
20	01:00:00	51.6	41.4	68.3	87.2	56.3	54.9	51.4	49.6	48.0	45.4
21	01:00:00	50.1	41.1	62.2	85.7	55.0	53.4	50.0	48.1	46.3	43.2
22	01:00:00	47.8	40.8	60.4	83.4	52.7	51.1	47.6	45.5	43.6	42.1
23	01:00:00	46.7	40.7	62.6	82.3	51.8	49.7	45.4	43.6	42.7	41.9



Table A4-4

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.2	40.8	74.9	83.8	51.3	48.3	43.8	42.8	42.4	41.6
01	01:00:00	43.8	40.8	60.4	79.4	47.0	45.4	42.9	42.5	42.1	41.4
02	01:00:00	42.6	40.6	56.8	78.1	44.4	43.3	42.5	42.2	41.8	41.2
03	01:00:00	43.2	41.4	59.1	78.8	44.5	43.9	43.2	42.8	42.5	42.1
04	01:00:00	44.2	41.1	59.6	79.7	47.7	46.0	43.7	43.1	42.7	42.2
05	01:00:00	50.8	42.2	64.3	86.4	55.5	54.4	51.0	49.0	47.0	44.2
06	01:00:00	51.0	41.6	62.8	86.6	56.1	54.6	50.8	48.9	47.1	44.3
07	01:00:00	60.1	42.0	74.3	95.7	68.0	65.4	55.2	52.2	49.6	45.9
08	01:00:00	59.4	42.4	71.9	94.9	66.5	64.6	56.6	53.4	50.6	47.2
09	01:00:00	52.9	41.8	75.6	88.5	57.2	55.6	52.2	50.5	48.9	45.7
10	01:00:00	52.0	42.0	72.0	87.6	55.4	53.8	50.9	49.4	48.0	45.5
11	00:50:08	51.2	42.2	63.0	86.0	56.1	54.5	51.5	50.1	48.9	46.8
12	00:23:28	51.2	42.9	59.0	82.7	55.5	54.4	51.9	50.6	49.4	47.3
13	01:00:00	51.9	41.7	67.5	87.4	56.2	54.8	51.5	49.9	48.4	45.9
14	01:00:00	52.9	42.8	77.6	88.5	56.7	55.2	52.0	50.4	49.0	46.6
15	01:00:00	52.5	43.3	68.6	88.1	56.9	55.6	52.5	50.9	49.5	47.1
16	01:00:00	52.6	43.8	73.5	88.2	56.8	55.6	52.8	51.3	49.8	47.2
17	01:00:00	52.5	42.6	63.7	88.1	56.7	55.5	52.7	51.2	49.9	47.5
18	01:00:00	52.3	43.1	66.3	87.9	56.3	55.2	52.7	51.2	49.7	46.9
19	01:00:00	53.7	42.6	71.9	89.3	57.9	56.5	53.4	51.8	50.4	47.8
20	01:00:00	51.3	41.9	62.2	86.9	55.8	54.4	51.4	49.8	48.5	45.9
21	01:00:00	50.1	40.8	71.6	85.7	54.1	52.6	49.0	47.3	45.7	43.3
22	01:00:00	47.5	40.6	61.5	83.0	52.2	50.6	47.1	45.4	43.8	42.0
23	01:00:00	47.3	40.3	65.7	82.9	52.5	50.5	46.4	44.4	42.8	41.5



Table A4-5

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.5	40.2	62.1	82.1	51.8	49.8	45.5	43.3	42.0	41.2
01	01:00:00	43.8	40.0	60.6	79.4	47.5	45.7	42.2	41.7	41.4	41.0
02	01:00:00	43.1	40.1	62.5	78.7	46.6	44.1	41.8	41.5	41.3	40.7
03	01:00:00	42.3	40.0	58.7	77.8	43.9	42.8	41.8	41.6	41.3	41.0
04	01:00:00	43.8	41.1	59.0	79.4	46.1	45.2	43.7	43.2	42.7	42.2
05	01:00:00	49.6	41.2	66.0	85.2	54.7	52.7	48.7	46.9	45.3	43.4
06	01:00:00	50.0	41.7	63.2	85.6	55.2	53.6	49.5	47.4	45.7	43.6
07	01:00:00	51.3	41.3	71.6	86.9	56.2	54.8	51.0	49.1	47.1	44.0
08	01:00:00	51.5	41.1	64.8	87.1	56.0	54.7	51.5	49.7	48.0	45.2
09	01:00:00	52.6	43.2	63.7	88.2	56.9	55.6	52.6	51.2	49.9	47.5
10	01:00:00	52.0	42.4	69.0	87.6	56.4	55.0	51.8	50.3	48.8	46.6
11	01:00:00	51.2	42.0	62.4	86.8	55.4	54.2	51.4	49.9	48.5	46.1
12	00:32:14	50.3	42.1	61.0	83.1	54.1	53.0	50.8	49.9	48.9	47.0
13	01:00:00	54.1	41.7	79.4	89.6	55.4	53.3	50.0	48.6	47.5	45.5
14	01:00:00	50.6	42.0	65.9	86.2	55.2	53.7	50.4	48.9	47.5	45.2
15	01:00:00	49.4	40.6	65.3	85.0	53.8	52.5	49.4	47.8	46.3	44.0
16	01:00:00	51.7	40.2	64.7	87.3	56.6	55.1	51.6	49.8	48.0	45.0
17	01:00:00	51.0	40.5	70.7	86.6	55.4	53.7	49.7	47.7	45.9	43.4
18	01:00:00	52.0	40.6	70.3	87.6	57.2	54.8	50.5	48.6	46.7	43.7
19	01:00:00	50.7	41.0	67.9	86.3	55.3	53.7	50.2	48.5	46.9	44.3
20	01:00:00	47.6	40.4	60.3	83.1	53.1	51.2	46.6	44.7	43.4	42.0
21	01:00:00	46.7	40.5	59.8	82.2	51.9	49.8	45.7	44.2	43.1	41.8
22	01:00:00	46.2	40.4	63.8	81.8	51.0	48.7	45.1	43.7	42.6	41.5
23	01:00:00	44.2	40.0	61.1	79.8	48.3	45.9	43.0	42.2	41.7	41.2



Table A4-6

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.7	40.1	59.1	80.3	49.1	46.5	43.2	42.5	41.9	41.2
01	01:00:00	42.9	39.9	58.3	78.4	45.6	43.6	41.9	41.6	41.3	40.6
02	01:00:00	42.4	39.8	57.3	78.0	44.9	43.4	41.9	41.6	41.4	41.0
03	01:00:00	42.4	40.4	56.9	78.0	44.7	43.0	42.0	41.7	41.5	41.1
04	01:00:00	43.5	40.1	59.8	79.0	47.4	45.6	42.5	41.8	41.4	40.8
05	01:00:00	49.6	40.6	68.0	85.2	55.1	53.6	49.1	45.9	43.8	42.0
06	01:00:00	49.4	40.5	66.5	85.0	54.7	53.0	48.8	46.7	44.8	42.4
07	01:00:00	50.6	41.1	81.9	86.2	55.4	53.8	49.6	47.4	45.6	43.2
08	01:00:00	51.0	41.5	63.8	86.6	55.8	54.4	50.8	49.0	47.2	44.6
09	01:00:00	53.7	42.7	81.1	89.3	57.2	55.7	52.4	50.8	49.4	46.9
10	01:00:00	52.2	44.0	65.6	87.7	55.9	54.9	52.5	51.1	49.9	47.9
11	01:00:00	52.6	42.7	71.7	88.1	56.6	55.2	52.5	51.2	49.9	47.5
12	00:53:13	50.9	41.6	64.0	85.9	54.9	53.9	51.6	50.4	49.1	47.1
13	00:37:00	52.5	41.2	79.0	85.9	55.0	54.0	51.3	49.7	48.2	45.5
14	01:00:00	51.6	40.7	68.8	87.2	56.3	54.3	50.4	48.8	47.4	45.2
15	01:00:00	57.3	40.5	84.4	92.9	56.6	54.1	50.2	48.6	47.1	44.5
16	01:00:00	65.9	40.7	94.0	101.4	67.4	59.3	53.3	51.3	49.3	45.6
17	01:00:00	75.4	43.5	101.3	111.0	78.7	71.7	57.5	53.5	50.5	47.2
18	01:00:00	53.7	43.1	69.9	89.3	59.6	57.8	52.6	49.9	48.1	45.6
19	01:00:00	54.0	41.6	89.1	89.6	58.4	56.3	51.4	48.9	47.0	44.6
20	01:00:00	49.4	40.4	66.2	84.9	55.1	52.8	47.9	45.6	44.0	42.3
21	01:00:00	46.6	40.9	61.6	82.2	51.8	49.5	45.3	43.9	43.0	42.1
22	01:00:00	45.4	39.6	60.6	80.9	50.9	48.3	43.5	42.2	41.5	40.6
23	01:00:00	44.4	39.6	59.3	80.0	48.8	46.4	42.9	42.1	41.6	40.8



Table A4-7

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.0	40.2	65.0	79.6	47.7	44.5	42.4	41.9	41.6	41.1
01	01:00:00	43.2	39.4	62.3	78.7	47.1	44.3	41.4	40.9	40.6	40.2
02	01:00:00	41.9	39.7	57.3	77.5	43.5	41.9	41.4	41.0	40.7	40.2
03	01:00:00	41.6	39.6	57.3	77.2	42.8	41.9	41.5	41.2	40.8	40.2
04	01:00:00	42.6	40.6	55.3	78.1	44.1	43.1	42.6	42.3	41.9	41.3
05	01:00:00	47.8	41.7	70.8	83.4	51.8	49.9	45.9	44.7	43.9	43.2
06	01:00:00	50.1	42.2	77.0	85.6	54.1	52.4	48.5	46.7	45.3	43.8
07	01:00:00	50.1	41.9	68.0	85.7	54.7	53.3	49.8	48.0	46.3	44.2
08	01:00:00	52.1	40.6	71.8	87.7	55.4	54.6	52.7	51.7	50.7	46.0
09	01:00:00	53.7	48.6	74.8	89.3	56.6	55.4	53.1	52.3	51.5	50.3
10	01:00:00	51.6	48.3	66.1	87.2	54.6	53.4	51.5	50.8	50.3	49.5
11	01:00:00	51.7	48.2	65.6	87.3	54.8	53.4	51.4	50.7	50.2	49.3
12	01:00:00	52.9	48.3	67.6	88.4	56.4	55.0	52.6	51.6	50.8	49.7
13	01:00:00	51.6	47.9	67.3	87.1	54.2	53.1	51.4	50.7	50.2	49.3
14	00:48:18	51.7	48.1	64.0	86.3	54.8	53.8	52.1	51.5	51.0	50.2
15	00:42:02	53.8	48.9	74.0	87.8	57.1	55.1	53.7	53.0	52.5	51.7
16	01:00:00	52.4	49.4	69.0	88.0	55.1	54.2	52.4	51.7	51.2	50.3
17	01:00:00	52.9	48.9	66.7	88.5	56.1	54.9	52.8	52.0	51.4	50.4
18	01:00:00	53.0	48.8	68.3	88.6	55.9	54.8	52.8	51.9	51.3	50.3
19	01:00:00	53.2	49.3	63.3	88.8	56.0	55.2	53.4	52.6	51.9	50.9
20	01:00:00	54.0	49.8	62.4	89.6	57.1	56.0	54.0	53.4	52.7	51.5
21	01:00:00	53.8	50.2	80.8	89.4	56.7	55.6	53.7	53.1	52.4	51.4
22	01:00:00	52.5	49.6	61.5	88.0	55.4	54.3	52.3	51.7	51.4	50.6
23	01:00:00	51.7	49.5	67.1	87.3	53.7	52.8	51.7	51.4	51.2	50.4



Table A4-8

HOURLY STATISTICAL NOISE SUMMARY

LONG VALLEY, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	51.6	49.8	60.0	87.2	52.9	52.4	51.8	51.5	51.3	50.9
01	01:00:00	51.5	49.5	59.4	87.0	52.9	52.2	51.7	51.4	51.2	50.4
02	01:00:00	51.2	49.6	60.0	86.8	52.0	51.9	51.5	51.3	51.0	50.3
03	01:00:00	51.3	49.8	56.8	86.9	52.0	51.9	51.6	51.4	51.2	50.5
04	01:00:00	51.5	49.8	60.8	87.1	52.8	52.2	51.7	51.5	51.2	50.6
05	01:00:00	52.4	49.9	66.4	88.0	54.7	53.7	52.4	51.9	51.6	51.1
06	01:00:00	53.3	50.4	62.4	88.9	55.9	55.0	53.4	52.8	52.3	51.5
07	01:00:00	54.7	50.0	77.6	90.3	58.2	57.0	54.4	53.5	52.8	51.5
08	01:00:00	54.0	50.0	67.9	89.6	56.9	55.9	54.0	53.3	52.6	51.5
09	01:00:00	54.2	50.2	66.8	89.8	57.5	56.3	54.1	53.4	52.7	51.5
10	01:00:00	53.8	49.7	69.3	89.4	56.9	55.8	53.6	52.7	51.9	51.1
11	00:10:19	54.6	50.0	66.0	82.5	57.9	57.0	55.0	54.3	53.6	52.6
12-23					** NO DATA **						



Table A5-1

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-15					** NO DATA **						
15	00:15:03	51.5	44.2	65.0	81.0	58.0	55.1	49.4	48.4	47.6	46.3
16	01:00:00	49.7	43.6	69.1	85.3	53.2	50.9	48.4	47.6	46.8	45.6
17	01:00:00	52.3	43.7	76.8	87.9	55.7	53.6	49.8	48.3	47.3	46.0
18	01:00:00	55.9	44.6	78.5	91.5	60.7	57.6	52.3	50.5	48.9	46.6
19	01:00:00	52.4	44.1	77.9	88.0	57.0	53.9	49.0	47.8	47.0	45.8
20	01:00:00	51.2	43.8	73.9	86.8	55.2	52.3	48.2	46.9	46.1	45.1
21	01:00:00	48.2	43.8	68.0	83.8	50.6	47.9	45.9	45.6	45.3	44.6
22	01:00:00	46.3	43.6	60.3	81.8	48.7	47.0	45.8	45.5	45.2	44.5
23	01:00:00	46.9	44.1	56.6	82.4	50.5	48.9	46.4	45.8	45.5	45.1



Table A5-2

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.1	44.3	50.6	81.7	47.6	47.1	46.5	46.0	45.7	45.2
01	01:00:00	45.7	43.7	51.2	81.2	46.9	46.6	45.8	45.5	45.3	44.7
02	01:00:00	45.0	43.3	53.6	80.6	46.2	45.9	45.2	44.8	44.5	44.2
03	01:00:00	46.2	43.4	64.1	81.8	48.2	46.5	45.3	44.9	44.6	44.2
04	01:00:00	46.5	43.4	63.4	82.1	50.4	48.2	45.4	44.8	44.5	44.1
05	01:00:00	51.8	44.0	65.9	87.4	56.5	55.5	52.4	49.3	47.4	45.5
06	01:00:00	52.0	44.0	67.3	87.6	56.0	55.7	54.0	48.0	46.7	45.6
07	01:00:00	52.0	44.6	65.6	87.6	56.9	55.8	50.5	48.1	47.0	46.2
08	01:00:00	55.7	44.9	72.8	91.3	59.3	57.9	55.5	54.1	51.9	48.1
09	01:00:00	56.5	47.9	72.3	92.1	61.6	60.0	55.8	53.4	51.9	50.3
10	01:00:00	52.7	47.4	67.4	88.3	56.5	55.5	51.8	50.7	49.9	49.0
11	01:00:00	54.5	46.8	77.2	90.1	58.7	55.8	51.4	50.2	49.5	48.5
12	01:00:00	51.4	46.5	70.1	87.0	55.9	55.2	49.6	48.8	48.4	47.6
13	01:00:00	50.6	47.0	66.0	86.2	53.9	52.3	50.0	49.5	49.1	48.3
14	01:00:00	50.0	46.6	70.3	85.6	51.9	50.9	49.5	49.0	48.5	47.7
15	01:00:00	50.3	46.5	66.0	85.8	53.6	51.6	49.5	48.9	48.4	47.6
16	01:00:00	50.4	46.7	66.2	86.0	53.6	51.9	49.8	49.3	48.8	48.1
17	01:00:00	51.2	47.2	77.2	86.8	53.8	51.9	49.9	49.4	48.9	48.2
18	01:00:00	51.4	46.8	72.6	86.9	55.3	53.2	49.9	49.2	48.7	48.0
19	01:00:00	49.5	46.9	69.3	85.1	52.2	50.9	49.1	48.7	48.3	47.6
20	01:00:00	50.6	46.9	61.0	86.1	54.6	53.5	49.9	48.9	48.5	48.0
21	01:00:00	49.2	47.2	62.6	84.8	50.8	49.9	48.9	48.7	48.4	48.1
22	01:00:00	49.2	47.4	57.1	84.7	50.7	50.1	49.4	49.0	48.6	48.2
23	01:00:00	49.2	47.1	61.0	84.8	51.5	50.0	48.9	48.7	48.4	48.1

Table A5-3

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.7	47.3	59.6	84.3	49.8	49.4	48.8	48.6	48.3	48.1
01	01:00:00	48.5	47.2	52.7	84.1	49.2	49.0	48.7	48.5	48.3	48.1
02	01:00:00	48.7	47.1	58.1	84.3	49.7	49.2	48.7	48.5	48.4	48.1
03	01:00:00	49.1	47.2	65.0	84.6	49.8	49.1	48.7	48.5	48.4	48.1
04	01:00:00	48.8	47.2	54.5	84.3	49.9	49.6	48.8	48.6	48.4	48.1
05	01:00:00	53.0	48.1	63.3	88.6	56.7	56.0	53.8	51.8	50.2	49.2
06	01:00:00	53.7	48.1	82.6	89.3	57.3	56.6	54.0	50.8	50.1	49.3
07	00:29:04	53.6	45.8	64.0	86.0	57.7	56.8	55.5	51.3	49.9	48.6
08	00:47:20	52.7	45.6	66.0	87.2	57.4	56.7	53.0	51.2	49.8	48.2
09	01:00:00	53.9	44.7	70.8	89.5	58.3	56.7	52.8	50.6	49.4	47.7
10	01:00:00	51.0	44.5	64.1	86.6	55.8	55.1	50.1	49.0	48.0	46.6
11	01:00:00	53.6	43.9	81.0	89.2	54.2	52.1	49.3	48.2	47.4	46.1
12	01:00:00	52.9	43.3	75.8	88.5	56.7	55.4	50.2	48.3	47.1	45.6
13	01:00:00	50.4	43.2	70.0	86.0	53.9	51.9	49.3	48.2	47.3	45.8
14	01:00:00	48.6	43.6	67.4	84.2	51.8	50.8	48.6	47.5	46.6	45.4
15	01:00:00	51.1	43.3	75.3	86.7	54.4	52.1	48.6	47.5	46.6	45.3
16	01:00:00	50.8	43.4	69.0	86.4	55.2	53.8	49.1	47.8	46.9	45.5
17	01:00:00	51.2	44.0	68.5	86.8	55.9	54.1	50.4	48.5	47.2	45.8
18	01:00:00	52.6	43.9	68.4	88.2	57.9	55.9	51.8	49.3	47.7	45.7
19	01:00:00	51.5	44.0	73.1	87.1	56.7	54.4	49.7	48.0	46.9	45.6
20	01:00:00	53.0	43.9	74.9	88.6	56.5	54.0	49.7	47.9	46.6	45.2
21	01:00:00	48.0	44.1	66.1	83.6	49.4	47.8	46.0	45.7	45.4	45.0
22	01:00:00	46.8	44.0	58.8	82.4	50.1	47.9	46.3	45.9	45.5	45.1
23	01:00:00	48.2	44.0	63.5	83.7	53.1	50.4	46.7	46.0	45.6	45.0



Table A5-4

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.4	44.1	57.5	82.0	47.8	47.1	46.4	45.9	45.6	45.1
01	01:00:00	45.7	44.0	52.8	81.3	46.9	46.7	45.9	45.6	45.3	45.0
02	01:00:00	45.2	43.8	52.0	80.8	46.4	45.9	45.5	45.2	44.9	44.3
03	01:00:00	46.6	43.9	62.8	82.2	47.3	46.7	45.8	45.5	45.2	44.5
04	01:00:00	46.0	43.9	53.7	81.6	48.1	47.2	45.9	45.7	45.4	45.0
05	01:00:00	52.7	45.1	69.2	88.3	57.0	56.2	53.5	50.5	48.0	46.4
06	01:00:00	51.5	45.1	64.2	87.1	56.1	55.6	50.5	48.9	48.0	47.0
07	00:40:10	55.6	45.6	68.0	89.4	64.4	58.6	52.9	49.1	47.8	46.0
08	00:45:01	50.2	45.5	63.0	84.6	54.2	52.8	50.5	49.7	49.0	48.1
09	01:00:00	53.6	45.1	71.1	89.2	57.8	56.2	52.9	51.5	50.2	48.0
10	01:00:00	49.3	43.6	64.0	84.9	53.2	51.6	48.9	48.0	47.2	45.9
11	01:00:00	48.8	43.9	64.2	84.4	52.8	51.0	48.5	47.6	46.8	45.6
12	01:00:00	48.6	43.3	58.8	84.2	52.0	50.9	48.7	47.7	46.9	45.5
13	01:00:00	50.4	43.4	70.8	86.0	54.3	53.5	49.6	48.3	47.3	45.8
14	01:00:00	51.0	41.4	72.3	86.6	54.8	54.2	51.0	49.2	47.7	45.9
15	01:00:00	50.5	42.4	61.9	86.0	54.6	53.8	50.6	49.1	47.9	45.8
16	01:00:00	51.7	42.3	69.6	87.3	55.3	54.4	50.8	48.7	47.5	45.8
17	01:00:00	51.0	42.3	69.3	86.6	54.9	54.1	51.3	49.2	47.7	45.2
18	01:00:00	52.1	42.3	69.4	87.7	56.6	54.7	52.0	49.2	47.5	45.3
19	01:00:00	49.7	41.9	63.0	85.2	53.9	53.2	49.3	47.2	45.9	44.4
20	01:00:00	49.4	41.5	65.9	85.0	53.1	52.1	49.3	47.5	46.1	44.2
21	01:00:00	46.6	41.0	69.5	82.2	50.7	49.9	45.2	44.3	43.6	42.6
22	01:00:00	45.9	41.5	53.2	81.5	51.1	48.6	45.2	44.5	43.9	42.8
23	01:00:00	45.7	40.7	64.8	81.3	51.0	50.1	43.8	42.9	42.5	41.8



Table A5-5

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	42.9	40.3	60.1	78.5	44.0	43.5	42.6	42.3	42.0	41.3
01	01:00:00	42.0	39.8	52.5	77.5	43.5	42.9	41.9	41.7	41.4	41.0
02	01:00:00	43.8	40.2	53.2	79.3	46.9	45.9	43.7	42.8	42.3	41.4
03	01:00:00	45.1	40.0	65.0	80.7	47.4	45.6	42.9	42.2	41.7	41.1
04	01:00:00	43.3	40.0	68.5	78.8	46.7	45.2	42.7	42.1	41.7	41.2
05	01:00:00	51.6	40.8	64.7	87.2	55.9	55.0	52.3	50.2	47.5	43.3
06	01:00:00	49.5	40.3	65.0	85.0	55.3	52.7	47.5	45.6	44.3	42.8
07	00:26:28	52.4	41.5	65.0	84.4	57.9	56.5	52.9	50.4	48.1	45.2
08	01:00:00	51.9	41.8	68.1	87.5	57.4	55.4	51.0	49.0	47.5	45.2
09	01:00:00	51.1	42.5	68.5	86.7	55.4	53.8	50.4	48.7	47.4	45.5
10	01:00:00	51.8	40.5	71.9	87.4	57.1	54.7	49.9	48.3	46.9	44.7
11	01:00:00	51.7	41.3	74.8	87.2	57.5	55.3	50.1	47.5	45.8	43.8
12	01:00:00	50.3	40.2	64.5	85.9	55.0	54.4	49.6	46.6	45.2	43.5
13	01:00:00	51.6	40.7	70.5	87.2	55.1	54.7	53.1	48.7	46.6	44.0
14	01:00:00	50.2	41.0	70.8	85.8	54.7	54.1	49.1	46.0	44.7	43.1
15	01:00:00	50.7	41.3	70.4	86.3	54.8	54.5	48.8	46.4	45.2	43.5
16	01:00:00	52.6	40.7	73.2	88.2	56.6	54.9	53.4	47.4	44.9	43.1
17	01:00:00	52.5	40.7	72.5	88.1	57.3	54.9	53.0	45.9	44.0	42.5
18	01:00:00	53.8	41.2	71.5	89.3	60.1	56.4	52.4	46.6	44.3	42.7
19	01:00:00	49.9	40.3	67.3	85.5	54.5	53.6	48.3	45.0	43.7	42.3
20	01:00:00	52.7	40.5	70.9	88.2	58.6	55.9	51.7	49.1	46.0	42.8
21	01:00:00	48.9	39.6	68.5	84.5	54.9	51.5	43.9	42.4	41.7	41.0
22	01:00:00	44.3	39.5	60.2	79.8	50.4	46.8	41.9	41.6	41.2	40.4
23	01:00:00	46.1	39.4	64.3	81.7	50.9	49.8	42.4	41.7	41.3	40.5



Table A5-6

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	43.9	39.6	64.3	79.4	45.2	43.1	41.7	41.3	40.8	40.2
01	01:00:00	43.8	39.5	53.8	79.4	50.4	46.9	41.9	41.5	41.0	40.3
02	01:00:00	43.8	39.7	53.7	79.3	47.7	46.6	43.5	42.1	41.5	40.6
03	01:00:00	42.7	39.6	52.0	78.3	46.4	45.2	42.2	41.6	41.1	40.3
04	01:00:00	43.9	39.5	68.6	79.5	48.6	46.8	42.8	41.7	41.2	40.4
05	01:00:00	51.5	39.7	59.9	87.1	55.9	55.0	52.5	50.3	46.8	41.9
06	01:00:00	47.4	40.1	62.8	83.0	53.0	50.6	45.7	43.9	42.8	41.5
07	01:00:00	49.1	40.6	66.3	84.7	54.0	52.2	47.8	45.8	44.3	42.6
08	01:00:00	52.8	40.7	75.5	88.4	55.6	53.8	49.6	47.7	46.0	43.8
09-23					** NO DATA **						



U.S. Department
of Transportation
Research and
Special Programs
Administration
Votpe National
Transportation
Systems Center
Noise Measurement
and Assessment
Facility

December 20, 1991

Table A5-7

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-11					** NO DATA **						
12	00:51:11	52.1	41.0	68.0	87.0	58.5	54.7	50.8	49.3	48.0	45.7
13	01:00:00	51.2	41.8	68.7	86.8	55.8	53.9	50.5	49.0	47.5	45.3
14	01:00:00	49.4	39.9	62.3	85.0	53.9	52.7	49.5	47.8	46.2	43.7
15	01:00:00	49.3	40.3	69.5	84.9	53.9	51.9	48.4	46.7	45.1	42.8
16	01:00:00	48.4	39.8	68.3	84.0	53.0	51.1	47.7	46.2	44.8	42.6
17	01:00:00	49.1	40.6	72.1	84.7	53.6	50.9	47.2	45.8	44.7	43.1
18	01:00:00	47.5	41.2	67.3	83.1	51.2	49.4	46.7	45.7	44.8	43.3
19	01:00:00	49.6	40.4	71.3	85.2	54.5	52.1	47.9	46.1	44.5	42.4
20-23					** NO DATA **						



U.S. Department
of Transportation
Research and
Special Programs
Administration
Voice National
Transportation
Systems Center
Noise Measurement
and Assessment
Facility

December 20, 1991

Table A5-8

HOURLY STATISTICAL NOISE SUMMARY

COLTS NECK, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
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00-23

** NO DATA **



Table A6-1

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-04					** NO DATA **						
05	01:00:00	53.4	43.2	74.4	88.9	58.2	55.0	50.2	49.0	48.1	46.6
06	01:00:00	53.4	45.3	69.7	89.0	57.7	56.1	52.9	51.4	50.3	48.4
07	01:00:00	54.5	42.7	77.9	90.1	59.0	57.3	53.6	51.8	50.1	47.3
08	01:00:00	64.9	41.8	88.3	100.5	65.6	61.3	54.1	52.2	50.3	46.7
09	01:00:00	60.2	42.1	78.3	95.8	66.5	63.5	56.9	54.1	51.7	47.8
10	01:00:00	58.5	41.5	77.3	94.1	64.4	61.1	55.2	52.6	50.4	46.7
11	01:00:00	56.9	41.0	75.6	92.5	63.8	60.5	52.6	50.3	48.2	45.1
12	01:00:00	58.2	41.8	79.6	93.7	63.3	60.9	56.3	53.7	51.7	47.7
13	01:00:00	57.4	41.7	76.7	93.0	63.1	59.5	53.2	51.3	49.5	46.5
14	01:00:00	52.7	40.6	71.5	88.2	57.4	55.0	51.5	49.9	48.3	45.6
15	01:00:00	53.3	42.6	74.2	88.9	57.6	55.8	52.4	50.9	49.4	47.0
16	01:00:00	58.7	45.6	84.0	94.3	58.2	56.7	54.2	53.1	52.0	49.6
17	01:00:00	56.4	48.1	77.9	92.0	60.0	57.9	54.9	53.9	53.0	51.4
18	01:00:00	55.5	48.2	81.8	91.1	58.5	56.8	54.4	53.3	52.4	50.8
19	01:00:00	54.9	45.7	75.3	90.5	58.5	56.2	53.4	52.2	51.1	49.2
20	01:00:00	53.9	44.4	73.9	89.4	57.9	55.4	52.0	50.6	49.3	47.6
21	01:00:00	53.2	45.4	72.4	88.8	57.0	54.9	51.5	49.9	48.9	47.5
22	01:00:00	51.3	44.6	69.2	86.9	55.5	53.9	50.5	49.2	48.3	47.0
23	01:00:00	50.9	42.7	73.6	86.5	54.2	52.4	48.9	47.6	46.7	45.3

Table A6-2

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	50.7	40.7	74.3	86.3	54.5	51.6	46.8	45.5	44.6	43.3
01	01:00:00	46.5	39.9	62.1	82.1	52.5	48.9	44.7	43.7	42.8	41.6
02	01:00:00	45.6	39.0	65.0	81.2	50.6	47.3	43.7	42.7	41.8	40.7
03	01:00:00	43.9	38.0	63.2	79.5	47.7	45.7	42.7	41.8	41.1	40.1
04	01:00:00	45.7	38.3	63.0	81.3	50.6	48.2	44.4	43.2	42.2	40.7
05	01:00:00	50.8	42.0	65.5	86.4	55.3	53.8	50.4	49.1	47.9	45.6
06	01:00:00	54.8	46.4	72.9	90.4	59.9	57.6	53.6	51.9	50.6	48.9
07	00:20:25	55.3	48.3	64.0	86.2	60.1	58.6	55.8	54.7	53.4	51.3
08	00:54:40	57.3	43.7	74.0	92.5	64.0	60.7	55.0	53.3	51.8	48.9
09	01:00:00	59.6	41.8	78.7	95.2	65.9	62.6	55.8	52.9	50.8	47.5
10	01:00:00	72.6	43.5	91.7	108.1	78.8	75.8	69.4	65.6	61.6	56.1
11	01:00:00	58.2	44.0	76.6	93.7	64.4	61.8	54.5	52.0	50.2	47.6
12	01:00:00	57.9	44.8	82.1	93.5	62.2	59.2	54.3	52.7	51.3	48.9
13	01:00:00	57.7	43.4	78.6	93.3	63.0	59.8	54.2	52.3	50.6	48.1
14	01:00:00	55.4	44.0	74.2	90.9	61.1	58.0	53.0	51.4	49.9	47.6
15	01:00:00	55.0	42.6	73.7	90.6	60.2	57.3	52.4	50.6	49.2	46.7
16	01:00:00	52.9	44.2	71.7	88.5	56.6	55.1	52.4	51.1	50.0	48.2
17	01:00:00	54.2	44.7	73.5	89.8	58.5	56.6	53.2	51.8	50.6	48.6
18	01:00:00	54.6	46.0	79.7	90.2	57.8	56.2	53.7	52.5	51.3	49.5
19	01:00:00	55.3	45.2	77.9	90.9	60.1	57.6	53.4	52.0	50.8	48.9
20	01:00:00	53.7	45.5	76.2	89.3	56.9	55.0	52.0	51.0	49.8	48.1
21	01:00:00	52.0	45.5	80.6	87.6	55.6	54.0	51.4	50.1	49.1	47.6
22	01:00:00	51.0	44.5	70.8	86.6	54.9	53.2	49.9	48.7	47.8	46.5
23	01:00:00	50.6	43.1	71.7	86.2	54.4	52.3	48.4	47.3	46.4	45.1

Table A6-3

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	50.2	40.3	78.4	85.8	53.0	50.8	46.5	45.4	44.5	43.1
01	01:00:00	46.2	39.1	62.8	81.7	51.7	49.0	44.6	43.5	42.7	41.6
02	01:00:00	44.3	39.1	62.8	79.8	48.7	46.3	43.0	42.1	41.5	40.4
03	01:00:00	44.0	38.3	62.7	79.6	48.2	45.7	42.6	41.8	41.2	40.1
04	01:00:00	47.4	39.1	65.1	83.0	53.8	50.2	44.4	43.3	42.4	41.2
05	01:00:00	49.3	42.3	65.2	84.9	54.3	52.5	48.5	47.0	46.2	44.7
06	00:57:35	55.8	43.0	73.0	91.2	60.6	57.5	52.7	50.7	48.9	46.6
07	00:21:54	60.0	44.3	77.0	91.2	66.6	63.7	56.9	54.6	52.9	50.0
08	01:00:00	59.0	43.7	76.3	94.6	65.4	62.3	56.2	53.7	51.9	48.7
09	01:00:00	59.6	42.3	78.6	95.1	66.0	62.2	55.2	52.8	50.7	47.1
10	01:00:00	66.9	41.2	87.0	102.4	73.2	70.7	59.1	53.4	50.4	46.5
11	01:00:00	56.3	42.3	75.5	91.9	62.0	58.0	51.9	50.1	48.5	46.1
12	01:00:00	56.9	43.9	82.9	92.5	61.2	58.7	54.3	52.4	50.9	48.2
13	01:00:00	61.0	47.8	82.4	96.6	67.0	63.7	57.6	54.9	53.2	51.0
14	01:00:00	56.6	48.0	78.1	92.2	62.3	59.0	54.0	52.8	52.0	50.4
15	01:00:00	57.6	45.8	79.7	93.1	62.7	59.7	54.8	53.4	52.2	50.2
16	01:00:00	55.2	43.9	76.5	90.8	59.5	56.9	52.8	51.3	49.9	47.8
17	01:00:00	55.1	44.0	76.2	90.6	60.1	57.5	53.3	51.8	50.4	48.0
18	01:00:00	56.2	44.4	74.5	91.7	61.4	58.9	54.6	53.0	51.5	48.9
19	01:00:00	57.8	44.4	78.5	93.4	62.5	60.0	54.5	52.6	51.0	48.4
20	01:00:00	56.3	44.1	75.6	91.9	61.4	57.9	52.8	51.0	49.4	47.0
21	01:00:00	55.2	44.8	73.6	90.7	60.6	57.5	52.4	50.3	48.7	46.8
22	01:00:00	52.1	44.0	79.6	87.7	55.8	53.6	49.7	48.2	47.1	45.7
23	01:00:00	50.0	41.7	73.6	85.6	53.8	51.8	47.8	46.5	45.5	44.1

Table A6-4

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	50.0	40.8	71.2	85.5	53.7	50.9	45.9	44.8	44.0	42.9
01	01:00:00	67.4	39.5	90.9	102.9	53.6	50.0	44.8	43.6	42.8	41.5
02	01:00:00	45.3	38.3	71.5	80.9	49.1	46.6	43.3	42.3	41.6	40.4
03	01:00:00	45.5	39.2	63.4	81.1	49.5	46.4	43.5	42.6	41.9	41.0
04	01:00:00	47.0	38.6	66.4	82.6	51.8	49.6	44.6	43.5	42.6	41.1
05	01:00:00	50.6	41.8	68.8	86.1	55.5	53.0	49.0	47.6	46.5	44.7
06	00:53:23	54.1	44.7	70.0	89.1	59.7	57.4	52.9	50.9	49.4	47.5
07	00:28:02	58.0	44.1	72.0	90.2	64.6	61.8	56.3	54.4	52.6	49.8
08	01:00:00	57.1	44.6	74.9	92.7	62.9	60.2	55.2	53.3	51.7	48.9
09	01:00:00	61.4	43.1	85.4	96.9	65.7	60.7	54.6	52.4	50.6	47.5
10	01:00:00	55.4	41.2	77.8	91.0	61.4	57.7	52.4	50.3	48.5	45.4
11	01:00:00	53.1	40.9	74.0	88.7	58.3	55.6	51.1	49.3	47.6	44.9
12	01:00:00	54.9	41.9	76.4	90.5	60.2	57.3	52.4	50.6	49.0	46.3
13	01:00:00	53.4	42.2	71.3	89.0	58.7	55.8	51.5	50.0	48.6	46.3
14	01:00:00	53.6	43.0	75.7	89.1	58.2	56.3	52.5	50.8	49.3	47.1
15	01:00:00	52.4	44.2	73.4	88.0	56.7	54.9	51.7	50.3	49.0	47.0
16	01:00:00	54.7	43.7	71.8	90.3	59.6	57.4	53.5	51.9	50.5	48.0
17	01:00:00	66.5	44.5	79.7	102.0	72.8	70.2	65.6	56.9	53.0	49.6
18	01:00:00	70.0	45.5	88.7	105.6	78.4	67.2	54.6	52.8	51.2	48.9
19	01:00:00	56.8	44.8	77.4	92.4	62.4	59.2	54.1	52.3	50.8	48.5
20	01:00:00	58.7	44.7	91.1	94.2	63.8	60.5	54.0	51.6	49.7	47.5
21	01:00:00	54.9	43.6	73.1	90.4	60.0	57.0	52.0	50.4	49.0	47.1
22	01:00:00	50.2	42.7	72.8	85.8	53.8	52.5	49.2	47.7	46.6	45.2
23	01:00:00	49.7	41.3	73.7	85.3	53.5	51.2	47.1	45.8	44.8	43.4

Table A6-5

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.1	40.2	71.5	83.7	52.2	50.2	45.9	44.6	43.6	42.2
01	01:00:00	46.8	38.2	70.6	82.4	50.3	47.7	43.6	42.2	41.3	40.1
02	01:00:00	43.9	38.2	64.7	79.5	48.0	45.4	42.2	41.3	40.5	39.5
03	01:00:00	43.9	37.1	65.5	79.5	48.6	45.9	41.8	40.8	40.0	39.0
04	01:00:00	48.7	37.5	71.5	84.3	52.3	48.5	42.2	40.8	40.0	39.2
05	01:00:00	46.6	38.2	63.3	82.2	51.9	49.9	45.4	43.7	42.4	41.0
06	01:00:00	49.1	40.0	64.7	84.7	54.8	52.7	47.4	45.6	44.3	42.5
07	01:00:00	52.4	40.3	65.7	87.9	57.1	55.7	52.5	50.5	47.9	44.6
08	00:23:09	53.2	47.4	64.0	84.6	57.3	55.9	53.5	52.5	51.7	50.3
09	01:00:00	57.7	47.4	78.2	93.3	62.4	59.5	54.9	53.6	52.6	51.0
10	01:00:00	55.7	44.2	72.9	91.2	60.2	58.5	54.5	52.5	51.0	49.0
11	01:00:00	54.1	42.3	70.9	89.6	59.1	56.9	52.9	51.1	49.5	46.7
12	01:00:00	55.3	43.9	74.1	90.9	60.2	58.1	54.2	52.2	50.6	47.9
13	01:00:00	54.6	42.7	73.5	90.2	59.1	56.9	53.2	51.6	50.2	47.8
14	01:00:00	56.3	42.6	80.0	91.9	61.0	58.0	53.3	51.3	49.7	46.7
15	01:00:00	55.5	43.0	79.9	91.1	61.3	57.0	52.4	50.7	49.2	46.9
16	01:00:00	53.9	44.3	72.8	89.5	58.4	56.2	52.4	50.7	49.3	47.3
17	01:00:00	57.0	42.6	77.5	92.5	62.4	59.0	53.3	51.2	49.5	46.7
18	01:00:00	64.0	42.1	91.2	99.6	63.6	59.0	53.0	50.8	48.7	45.7
19	01:00:00	56.3	41.5	74.2	91.9	63.1	59.6	52.9	50.6	48.5	45.4
20	01:00:00	53.0	41.5	73.3	88.6	57.8	55.0	49.7	48.1	46.8	44.8
21	01:00:00	52.3	38.8	74.7	87.9	55.2	51.3	46.7	44.9	43.5	41.7
22	01:00:00	46.6	39.1	66.3	82.2	51.2	49.7	45.8	44.2	42.9	41.3
23	01:00:00	46.6	38.8	69.2	82.2	51.2	49.4	44.9	43.4	42.3	40.8

Table A6-6

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	45.9	37.8	72.3	81.4	50.5	48.7	44.5	42.9	41.7	40.0
01	01:00:00	46.1	37.1	61.3	81.7	51.1	48.9	44.1	42.4	41.3	40.0
02	01:00:00	46.7	35.8	77.9	82.3	47.8	45.2	41.5	40.1	39.0	37.7
03	01:00:00	40.8	34.8	58.4	76.3	45.0	42.6	39.3	38.2	37.5	36.4
04	01:00:00	45.4	36.7	63.9	80.9	50.2	46.5	42.1	41.5	41.0	39.9
05	01:00:00	47.8	35.7	70.2	83.4	52.7	49.7	43.2	41.1	39.7	38.2
06	00:42:35	46.4	36.9	63.0	80.5	52.2	50.0	43.7	42.0	40.9	39.6
07	00:44:33	51.0	38.9	69.0	85.2	56.3	53.7	48.5	46.1	44.5	42.6
08	01:00:00	51.8	40.5	70.7	87.4	57.1	54.5	49.3	46.9	45.1	42.8
09	01:00:00	54.3	41.5	74.5	89.8	57.4	54.8	50.6	48.7	47.1	44.8
10	01:00:00	56.8	42.8	72.9	92.4	61.7	59.8	56.3	54.7	52.8	48.4
11	01:00:00	56.0	42.8	75.6	91.6	61.5	58.9	54.3	52.0	49.8	46.8
12	01:00:00	54.5	43.3	76.0	90.1	58.9	56.6	52.9	51.5	50.1	47.7
13	01:00:00	64.8	43.7	92.5	100.4	66.8	62.5	55.2	53.0	51.1	47.8
14	01:00:00	57.1	42.0	81.4	92.7	62.1	58.4	52.2	49.9	48.1	45.5
15	01:00:00	60.0	42.5	85.3	95.6	64.8	61.5	53.7	51.2	49.2	46.6
16	01:00:00	57.1	32.5	73.8	92.7	66.3	56.3	40.7	37.9	36.5	34.9
17	01:00:00	42.7	32.2	63.9	78.3	48.0	45.5	38.8	37.1	35.8	34.3
18	01:00:00	38.8	31.6	56.0	74.3	43.5	41.3	37.3	35.8	34.7	33.3
19	01:00:00	38.2	30.6	59.6	73.8	41.7	38.9	35.9	34.8	33.9	32.4
20	01:00:00	35.7	30.0	56.6	71.3	40.1	38.5	34.9	33.6	32.5	31.2
21	01:00:00	34.7	29.7	60.0	70.3	39.9	37.2	33.3	32.2	31.4	30.4
22	01:00:00	32.5	29.6	52.6	68.0	35.6	34.3	31.8	30.9	30.5	30.0
23	01:00:00	33.3	29.3	55.6	68.9	36.9	34.9	31.2	30.4	29.9	29.3



Table A6-7

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	42.3	33.2	60.1	77.8	47.6	43.5	38.9	37.9	36.8	35.4
01	01:00:00	37.7	32.3	57.1	73.3	41.6	39.1	36.3	35.4	34.8	33.9
02	01:00:00	38.8	32.9	59.4	74.4	42.6	39.1	35.7	34.9	34.5	33.7
03	01:00:00	41.8	33.4	60.9	77.4	46.1	43.5	38.3	36.9	36.0	34.8
04	01:00:00	42.7	32.9	60.2	78.3	49.2	46.1	39.0	37.4	36.1	34.5
05	01:00:00	48.7	35.9	69.9	84.3	54.1	52.3	47.4	44.7	42.4	39.4
06	01:00:00	49.2	37.9	65.4	84.8	54.3	52.6	48.6	46.6	45.1	42.9
07	00:32:16	52.6	40.4	73.0	85.5	57.4	55.7	52.1	50.6	48.8	45.9
08	01:00:00	57.7	41.3	79.3	93.3	63.8	59.9	54.0	52.2	50.5	47.5
09	01:00:00	58.1	42.2	76.7	93.7	63.1	59.7	55.4	53.3	51.4	48.1
10	01:00:00	57.5	43.4	78.7	93.1	61.4	59.9	57.0	55.6	54.1	51.0
11	01:00:00	56.6	42.6	75.9	92.2	62.1	59.6	55.0	53.0	51.0	47.8
12	01:00:00	58.6	43.4	81.0	94.1	62.7	60.2	56.2	54.4	52.4	49.1
13	01:00:00	62.0	43.5	87.1	97.5	65.0	62.0	57.6	54.1	52.1	49.1
14	01:00:00	63.2	50.5	82.3	98.8	67.2	64.9	62.3	61.6	61.0	59.3
15	01:00:00	62.6	44.3	84.5	98.2	65.0	63.7	62.0	61.3	60.6	53.9
16	01:00:00	62.5	49.4	83.0	98.1	65.8	64.0	62.1	61.5	61.0	59.6
17	01:00:00	56.8	45.0	81.7	92.3	61.4	58.9	54.5	53.0	51.5	49.1
18	01:00:00	59.2	44.5	81.4	94.8	64.9	61.9	55.3	53.1	51.3	48.3
19	01:00:00	58.3	42.5	80.6	93.9	64.3	60.5	53.7	51.7	49.9	47.0
20	01:00:00	57.0	41.8	74.7	92.6	63.1	59.6	54.0	51.9	50.2	47.1
21	01:00:00	52.3	41.1	80.8	87.9	57.5	55.6	51.5	49.4	47.4	44.7
22	01:00:00	49.5	40.1	67.2	85.1	54.8	52.8	48.3	46.3	44.7	42.9
23	01:00:00	47.7	39.0	67.5	83.3	52.0	50.0	45.1	43.8	42.8	41.5



Table A6-8

HOURLY STATISTICAL NOISE SUMMARY

RIVER EDGE, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.5	38.1	75.1	85.1	51.4	48.3	43.7	42.4	41.5	40.1
01	01:00:00	42.9	35.8	60.6	78.5	47.9	45.4	41.2	39.9	39.0	37.7
02	01:00:00	42.5	35.5	60.0	78.1	48.1	45.4	40.2	38.8	38.0	37.0
03	01:00:00	42.8	36.0	62.6	78.4	47.4	44.8	40.3	39.2	38.5	37.5
04	01:00:00	45.5	35.8	66.1	81.1	50.1	47.1	41.5	39.9	38.9	37.8
05	01:00:00	53.2	39.0	76.6	88.8	58.2	54.9	49.3	46.8	44.7	42.2
06	00:43:56	50.2	40.7	62.0	84.4	55.4	53.9	50.4	48.5	46.9	44.8
07-23					** NO DATA **						



Table A7-1

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-04					** NO DATA **						
05	01:00:00	55.5	48.1	74.4	91.1	57.6	55.8	53.8	53.1	52.4	51.1
06	01:00:00	55.1	50.9	75.8	90.7	57.6	56.4	54.9	54.4	53.9	53.2
07	01:00:00	56.6	50.9	74.5	92.2	60.6	59.0	56.0	54.8	53.9	52.6
08	01:00:00	60.6	47.8	81.6	96.1	62.4	59.7	55.8	54.2	53.0	51.3
09	01:00:00	58.8	45.5	78.6	94.4	64.9	61.8	55.9	53.0	51.5	49.2
10	01:00:00	56.9	44.3	85.3	92.5	58.7	56.6	52.7	50.9	49.3	47.1
11	01:00:00	55.2	43.8	74.1	90.8	60.5	57.6	52.5	50.4	48.9	46.9
12	01:00:00	55.3	44.0	78.6	90.8	60.3	57.6	52.6	50.6	49.2	47.3
13	01:00:00	57.7	43.5	81.2	93.2	61.7	56.9	51.5	49.9	48.7	46.9
14	01:00:00	56.7	42.1	82.9	92.3	59.8	57.4	52.8	50.9	49.3	47.3
15	01:00:00	56.6	45.5	81.9	92.2	59.4	56.9	53.0	51.6	50.5	48.8
16	01:00:00	55.6	47.3	76.5	91.2	61.1	58.6	53.8	51.8	50.8	49.4
17	01:00:00	57.9	47.9	71.1	93.4	62.6	61.4	57.8	55.3	53.6	51.4
18	01:00:00	55.6	48.1	76.9	91.2	59.6	57.1	53.2	52.1	51.2	50.0
19	01:00:00	54.9	48.5	73.4	90.5	59.2	56.7	53.4	52.5	51.8	50.4
20	01:00:00	53.8	48.3	71.0	89.4	57.9	56.0	52.8	52.0	51.2	50.2
21	01:00:00	52.0	47.8	71.6	87.6	54.3	53.0	51.8	51.2	50.6	49.8
22	01:00:00	51.9	47.8	81.0	87.4	53.8	52.7	51.1	50.6	50.2	49.3
23	01:00:00	58.7	45.5	81.2	94.3	61.2	53.2	50.9	50.3	49.6	48.5



Table A7-2

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.9	45.2	69.8	85.5	53.3	51.7	49.9	49.1	48.5	47.4
01	01:00:00	49.8	44.5	67.7	85.4	51.9	50.7	48.9	48.2	47.6	46.5
02	01:00:00	48.1	43.4	60.4	83.6	50.3	49.6	48.3	47.7	47.2	46.2
03	01:00:00	49.0	44.4	69.2	84.6	51.5	50.8	49.3	48.6	47.9	46.7
04	01:00:00	51.3	44.8	61.4	86.9	54.5	53.1	51.3	50.6	49.9	48.5
05	01:00:00	53.8	49.0	67.9	89.4	57.0	55.5	53.5	52.8	52.3	51.2
06	01:00:00	54.6	50.5	67.1	90.2	56.8	55.8	54.4	53.9	53.4	52.6
07	01:00:00	56.3	49.6	73.5	91.9	60.9	58.6	55.0	54.3	53.6	52.5
08	01:00:00	56.8	48.1	73.5	92.3	62.1	59.5	55.0	53.6	52.5	50.9
09	01:00:00	56.7	46.1	76.8	92.2	61.5	59.2	55.0	53.4	52.3	50.3
10	00:19:22	52.6	46.3	62.0	83.2	56.7	55.3	53.0	51.9	50.9	49.2
11	00:54:52	53.1	45.8	68.0	88.2	57.8	55.7	52.6	51.6	50.7	49.2
12	01:00:00	56.8	46.8	81.9	92.4	60.8	58.1	53.5	52.1	51.1	49.5
13	01:00:00	55.5	45.9	78.0	91.1	59.8	58.0	54.4	53.0	51.9	50.3
14	01:00:00	54.1	46.1	75.9	89.6	58.2	56.0	52.3	51.1	50.0	48.4
15	01:00:00	57.9	45.2	86.4	93.5	60.9	57.9	53.5	52.0	51.1	49.3
16	01:00:00	56.8	47.4	80.7	92.4	60.9	58.5	54.6	53.3	52.2	51.0
17	01:00:00	57.2	48.7	80.9	92.7	61.6	59.6	55.0	53.6	52.4	51.0
18	01:00:00	54.2	48.6	71.2	89.8	58.4	57.0	53.8	52.7	51.7	50.5
19	01:00:00	58.2	47.6	80.0	93.8	63.7	60.7	53.9	52.4	51.4	50.1
20	01:00:00	56.2	47.9	87.4	91.7	59.3	56.4	52.7	51.6	50.8	49.8
21	01:00:00	53.3	47.3	74.1	88.9	57.8	55.3	52.0	51.3	50.6	49.4
22	01:00:00	52.9	48.1	69.0	88.5	56.8	54.9	52.2	51.6	51.0	50.2
23	01:00:00	56.7	47.6	77.4	92.3	61.4	57.5	52.1	51.3	50.6	49.5

Table A7-3

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	50.8	46.1	69.1	86.4	53.2	52.2	50.7	50.0	49.4	48.4
01	01:00:00	49.0	45.1	67.1	84.6	51.2	50.6	49.3	48.6	48.1	47.1
02	01:00:00	48.6	44.4	63.9	84.2	50.9	50.3	48.9	48.2	47.5	46.3
03	01:00:00	48.2	44.1	62.4	83.8	50.5	49.7	48.3	47.7	47.2	46.1
04	01:00:00	52.0	45.6	66.9	87.6	55.0	53.9	51.7	50.8	50.0	48.3
05	01:00:00	58.7	50.1	81.1	94.2	58.1	56.6	55.0	54.5	54.0	53.0
06	01:00:00	57.8	51.1	76.9	93.4	63.1	60.4	55.3	54.5	53.8	53.0
07	01:00:00	62.8	50.6	99.1	98.4	65.7	62.6	56.4	55.0	54.0	52.7
08	01:00:00	60.0	49.4	78.9	95.6	64.9	62.3	57.5	55.7	54.3	52.5
09	01:00:00	61.4	48.3	86.5	96.9	63.9	60.6	55.5	53.8	52.6	51.0
10	00:15:00	61.5	48.1	79.0	91.0	66.2	61.4	56.8	55.4	54.3	51.8
11	01:00:00	57.1	52.0	74.8	92.7	61.1	59.1	56.0	54.9	54.3	53.3
12	01:00:00	58.5	51.5	80.5	94.1	62.9	58.8	54.8	54.2	53.4	52.4
13	01:00:00	54.8	49.8	70.4	90.4	59.0	56.9	54.0	53.1	52.5	51.5
14	01:00:00	55.4	48.4	78.1	91.0	59.0	56.8	53.6	52.5	51.7	50.5
15	01:00:00	55.7	48.6	76.0	91.3	60.5	58.0	53.9	52.7	51.8	50.5
16	01:00:00	58.6	49.0	87.7	94.2	61.3	58.4	54.5	53.2	52.3	50.9
17	01:00:00	56.3	48.6	76.1	91.9	61.7	59.5	54.8	53.4	52.3	51.0
18	01:00:00	58.1	50.3	88.6	93.6	59.8	58.2	54.9	53.9	53.0	52.0
19	01:00:00	57.7	51.4	80.3	93.3	59.3	57.1	54.6	53.9	53.3	52.4
20	01:00:00	54.4	51.1	73.0	89.9	57.8	56.1	54.1	53.3	52.7	52.2
21	01:00:00	53.8	51.3	80.1	89.4	55.8	54.9	53.8	53.3	52.8	52.2
22	01:00:00	56.3	51.3	77.4	91.9	57.8	55.4	53.8	53.1	52.7	52.2
23	01:00:00	60.2	51.0	80.9	95.8	63.1	56.6	53.3	52.8	52.4	51.8



Table A7-4

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	52.1	50.4	70.4	87.7	53.2	52.8	52.0	51.7	51.4	51.1
01	01:00:00	51.5	49.9	58.1	87.1	53.0	52.4	51.7	51.4	51.1	50.3
02	01:00:00	51.8	49.7	68.7	87.3	53.3	52.6	51.6	51.2	50.8	50.2
03	01:00:00	52.8	49.7	71.0	88.4	54.0	52.9	51.8	51.4	51.1	50.3
04	01:00:00	59.1	50.1	81.7	94.7	59.2	55.7	52.9	52.3	51.8	51.1
05	01:00:00	57.5	51.2	76.0	93.0	59.1	57.1	55.4	54.7	54.0	52.9
06	01:00:00	56.1	53.0	72.0	91.6	58.0	56.9	55.8	55.4	55.0	54.3
07	01:00:00	59.3	52.6	77.1	94.8	63.9	60.1	56.3	55.6	54.9	54.1
08	01:00:00	60.2	52.0	81.8	95.8	62.8	60.2	56.7	55.7	54.9	53.7
09	00:33:55	59.8	52.0	76.0	92.9	65.5	61.7	57.6	56.3	55.3	54.2
10	00:50:30	54.6	50.3	70.0	89.4	58.1	56.8	54.4	53.7	53.1	52.2
11	01:00:00	56.0	50.1	76.7	91.6	59.7	57.2	54.1	52.9	52.3	51.3
12	01:00:00	55.8	48.6	77.3	91.3	59.8	57.7	54.1	52.8	51.9	50.8
13	01:00:00	55.9	48.4	78.6	91.5	59.4	57.0	53.7	52.6	51.8	50.5
14	01:00:00	55.7	48.0	77.3	91.3	59.1	57.2	54.2	53.1	52.3	51.1
15	01:00:00	57.9	48.6	83.6	93.5	60.1	57.9	54.6	53.6	52.9	51.6
16	01:00:00	59.5	49.6	82.9	95.1	62.4	59.8	55.8	54.7	53.7	52.3
17	01:00:00	55.7	49.6	77.9	91.2	60.1	57.9	54.6	53.7	52.9	51.8
18	01:00:00	55.6	49.1	71.5	91.2	60.3	58.5	54.8	53.6	52.7	51.4
19	01:00:00	56.5	50.2	79.6	92.0	59.9	57.1	54.3	53.4	52.7	51.6
20	01:00:00	54.6	50.6	76.6	90.2	57.5	56.2	54.2	53.4	52.7	52.1
21	01:00:00	57.9	51.3	90.2	93.5	59.3	57.1	54.4	53.6	52.9	52.2
22	01:00:00	54.6	50.6	85.0	90.1	56.6	55.0	53.0	52.6	52.2	51.4
23	01:00:00	55.6	50.6	76.7	91.2	59.0	56.3	53.4	52.7	52.2	51.4



Table A7-5

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	53.0	50.3	70.8	88.6	55.9	54.5	52.6	52.1	51.7	51.2
01	01:00:00	51.7	50.0	69.0	87.3	53.3	52.7	51.7	51.3	51.0	50.3
02	01:00:00	50.9	49.3	68.3	86.5	52.4	51.8	50.9	50.7	50.4	50.1
03	01:00:00	57.6	49.1	82.2	93.1	55.0	52.3	50.9	50.6	50.3	49.6
04	01:00:00	51.4	48.7	65.4	87.0	53.4	52.7	51.4	50.8	50.5	50.1
05	01:00:00	53.7	49.9	74.0	89.3	55.2	54.1	52.6	52.0	51.5	50.9
06	01:00:00	53.9	50.3	74.4	89.5	56.1	54.5	52.8	52.4	51.9	51.2
07	01:00:00	58.4	50.2	82.8	94.0	59.2	57.0	54.4	53.3	52.6	51.5
08	01:00:00	55.0	50.1	72.2	90.6	58.6	57.2	54.6	53.6	52.7	51.5
09	01:00:00	56.3	49.6	75.1	91.9	60.8	58.0	54.5	53.3	52.4	51.2
10	01:00:00	56.7	49.1	78.1	92.3	60.5	57.6	53.6	52.5	51.7	50.6
11	01:00:00	59.5	49.0	79.2	95.0	65.0	62.5	58.0	54.7	52.5	50.6
12	00:49:05	55.2	47.8	70.0	89.9	60.4	58.8	55.0	52.9	51.6	50.1
13	00:29:43	54.0	45.0	72.0	86.5	59.1	56.7	52.6	51.0	50.0	48.6
14	01:00:00	53.7	45.6	78.2	89.3	58.2	55.6	51.7	50.4	49.4	48.0
15	01:00:00	54.2	44.3	74.4	89.8	59.2	56.5	51.7	50.2	49.2	47.7
16	01:00:00	56.4	45.0	82.5	91.9	60.0	56.8	52.2	50.2	49.0	47.4
17	01:00:00	52.1	44.3	70.1	87.7	56.7	54.4	50.1	48.8	47.9	46.6
18	01:00:00	55.0	43.7	77.2	90.6	59.3	56.5	52.2	50.4	48.8	46.7
19	01:00:00	58.0	42.7	81.7	93.6	61.8	56.9	49.9	48.4	47.3	45.6
20	01:00:00	51.7	42.9	71.4	87.2	57.2	54.4	49.3	47.5	46.4	44.7
21	01:00:00	51.5	41.3	73.4	87.1	55.0	51.2	46.4	45.2	44.5	43.3
22	01:00:00	51.7	42.1	77.2	87.2	55.6	51.7	47.2	46.0	45.3	44.2
23	01:00:00	48.2	41.8	66.8	83.7	52.3	49.8	46.3	45.3	44.6	43.6



Table A7-6

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	47.1	41.7	65.1	82.7	49.3	47.5	45.5	44.9	44.4	43.4
01	01:00:00	46.2	41.3	61.1	81.8	48.9	47.4	45.7	45.2	44.5	43.4
02	01:00:00	43.6	38.9	66.9	79.2	45.7	44.9	43.6	43.1	42.5	41.3
03	01:00:00	43.2	37.1	67.3	78.8	44.0	42.8	41.3	40.6	40.0	38.8
04	01:00:00	45.4	36.9	65.2	81.0	51.5	48.5	41.7	40.4	39.7	38.6
05	01:00:00	54.7	38.3	74.8	90.3	60.9	54.3	46.8	44.4	42.7	40.6
06	01:00:00	50.4	38.3	79.8	85.9	53.2	50.4	45.6	44.0	42.9	41.1
07	01:00:00	50.5	39.5	70.1	86.1	56.7	53.2	46.5	44.8	43.6	42.1
08	01:00:00	51.5	41.1	82.2	87.1	56.6	54.0	49.1	47.3	45.8	43.9
09	00:31:56	52.7	42.7	67.0	85.5	58.0	56.4	52.8	51.3	49.8	46.4
10	01:00:00	55.8	44.0	81.3	91.4	58.7	56.7	52.8	51.4	50.2	48.1
11	01:00:00	56.3	46.8	82.4	91.9	58.8	55.9	52.7	51.7	50.8	49.5
12	01:00:00	55.7	46.5	84.7	91.2	58.3	55.6	52.5	51.4	50.5	49.1
13	01:00:00	52.9	45.3	71.5	88.4	57.1	55.1	51.5	50.2	49.2	47.9
14	01:00:00	68.0	44.6	82.0	103.5	74.5	72.1	66.0	55.4	51.3	48.5
15	01:00:00	53.3	46.0	70.1	88.9	57.5	55.9	52.6	51.4	50.6	49.3
16	01:00:00	51.5	45.8	70.3	87.1	54.9	53.7	51.1	50.4	49.7	48.3
17	01:00:00	52.5	45.0	68.0	88.1	56.9	55.4	51.9	50.4	49.2	47.6
18	01:00:00	55.4	45.8	77.3	91.0	60.1	57.6	53.2	51.6	50.5	48.7
19	01:00:00	55.8	48.3	77.4	91.4	60.4	58.3	54.5	53.2	52.3	50.8
20	01:00:00	56.8	46.9	80.9	92.4	61.2	58.6	54.6	53.1	52.0	50.5
21	01:00:00	53.8	45.4	74.8	89.4	57.8	54.8	50.8	49.8	49.0	47.8
22	01:00:00	52.4	43.3	72.0	87.9	57.1	54.1	49.9	48.6	47.4	45.8
23	01:00:00	47.9	39.9	71.5	83.5	53.1	51.0	46.4	45.0	44.0	42.2



Table A7-7

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	43.0	38.0	60.9	78.6	46.4	44.4	42.2	41.4	40.6	39.5
01	01:00:00	44.1	38.1	59.9	79.6	47.8	46.3	43.7	42.6	41.7	40.4
02	01:00:00	41.8	37.4	64.5	77.4	43.8	42.9	41.2	40.5	39.8	38.6
03	01:00:00	42.7	36.2	53.5	78.3	45.9	44.7	42.8	42.0	41.3	39.7
04	01:00:00	47.8	39.2	66.8	83.4	51.9	49.9	46.7	45.3	44.2	42.5
05	01:00:00	51.0	43.2	73.7	86.6	54.2	52.6	50.0	49.2	48.3	46.7
06	01:00:00	53.4	44.2	77.2	88.9	56.7	54.6	51.6	50.6	49.8	48.2
07	01:00:00	58.8	42.5	84.5	94.4	61.3	57.3	51.4	49.3	47.4	45.1
08	01:00:00	59.9	42.0	82.5	95.5	64.7	61.5	56.9	54.0	51.3	47.9
09	00:43:58	57.0	40.5	78.0	91.3	63.4	61.0	55.1	52.1	50.1	46.8
10	00:41:46	55.3	41.5	76.0	89.3	59.7	57.2	53.5	51.7	49.9	47.2
11	01:00:00	54.4	45.5	68.8	90.0	58.8	57.2	54.3	52.6	51.3	49.6
12	01:00:00	57.5	46.2	82.8	93.1	59.7	57.9	54.7	53.3	52.0	50.2
13	01:00:00	57.6	45.3	78.1	93.1	62.4	60.3	55.2	53.2	51.5	49.0
14	01:00:00	55.8	45.0	76.3	91.4	59.5	57.3	54.3	53.0	51.8	49.6
15	01:00:00	55.5	46.1	70.6	91.0	60.7	58.4	54.1	52.5	50.9	48.7
16	01:00:00	55.0	43.9	78.6	90.6	59.7	57.0	52.8	51.4	50.2	48.3
17	01:00:00	56.8	46.3	78.1	92.3	61.1	58.6	54.1	52.6	51.4	49.6
18	01:00:00	58.2	46.1	89.4	103.8	61.9	58.1	53.0	51.7	50.6	49.1
19	01:00:00	53.7	46.0	73.6	89.3	58.2	55.9	52.1	51.0	50.2	48.7
20	01:00:00	53.9	45.0	75.3	89.5	58.4	55.3	51.3	50.2	49.2	47.8
21	01:00:00	51.2	45.1	70.7	86.8	54.6	52.8	50.4	49.5	48.7	47.4
22	01:00:00	51.5	43.8	85.7	87.1	54.0	52.0	49.4	48.5	47.9	46.6
23	01:00:00	53.9	44.3	77.4	89.5	58.6	53.3	48.4	47.5	46.8	45.9



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December 20, 1991

Table A7-8

HOURLY STATISTICAL NOISE SUMMARY

WOODBIDGE, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.8	42.9	60.4	82.3	49.1	48.4	46.9	46.2	45.6	44.5
01	01:00:00	45.8	40.5	60.6	81.3	48.6	47.5	45.7	44.8	44.0	42.5
02	01:00:00	46.9	41.1	58.6	82.5	49.9	49.0	47.1	46.2	45.2	43.3
03	01:00:00	50.5	41.6	72.9	86.1	51.4	50.6	48.8	47.8	46.7	45.0
04	01:00:00	51.8	42.4	73.4	87.4	52.9	51.8	49.7	48.8	47.9	46.3
05	01:00:00	53.0	44.5	71.8	88.6	56.0	53.8	51.7	50.9	50.1	48.8
06	01:00:00	53.6	47.5	72.3	89.2	57.1	55.0	51.9	51.1	50.5	49.4
07	01:00:00	55.4	46.2	76.8	91.0	59.9	57.2	52.4	50.9	50.0	48.6
08	01:00:00	57.4	46.7	81.9	93.0	61.2	58.7	53.3	51.7	50.7	49.4
09	00:25:26	56.9	46.8	77.0	88.7	60.4	57.8	52.6	51.4	50.7	49.7
10-23					** NO DATA **						



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December 20, 1991

Table A8-1

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-23										

** NO DATA **

Table A8-2

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leg dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-14					** NO DATA **						
15	00:34:54	57.1	44.0	79.0	90.3	59.9	57.7	54.5	52.6	50.8	48.0
16	01:00:00	60.0	43.1	76.7	95.6	65.7	63.2	59.0	56.9	54.5	49.3
17	01:00:00	54.9	43.7	80.4	90.4	57.7	55.8	51.9	50.4	49.1	46.4
18	01:00:00	55.3	44.0	77.2	90.9	59.9	57.3	53.5	50.1	48.6	47.0
19	01:00:00	72.9	43.3	98.8	108.5	76.6	72.6	64.5	59.7	54.3	47.6
20	01:00:00	55.2	42.1	78.6	90.7	59.2	55.8	50.8	49.0	47.8	45.8
21	01:00:00	50.1	40.7	79.7	85.6	50.7	48.6	46.0	45.1	44.4	43.2
22	01:00:00	49.2	42.2	73.8	84.8	50.7	48.9	46.9	46.2	45.6	44.4
23	01:00:00	48.9	40.9	77.8	84.4	49.9	48.5	46.5	45.7	45.0	43.7



Table A8-3

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	47.3	39.9	72.9	82.8	50.1	48.6	46.2	45.2	44.2	42.7
01	01:00:00	45.4	38.9	57.3	80.9	48.7	47.6	45.4	44.5	43.7	42.3
02	01:00:00	46.3	40.3	76.7	81.9	48.7	47.6	45.5	44.6	43.8	42.6
03	01:00:00	47.8	40.2	75.4	83.3	49.6	48.3	46.1	45.3	44.5	43.1
04	01:00:00	56.9	41.3	73.0	92.5	65.7	59.5	48.2	46.8	45.8	44.2
05	01:00:00	58.8	45.2	73.6	94.3	66.1	63.5	54.2	52.1	50.9	49.2
06	01:00:00	53.3	47.1	75.5	88.9	55.9	54.5	52.2	51.2	50.4	49.1
07	01:00:00	54.7	46.0	75.0	90.3	60.0	56.5	51.8	50.5	49.6	48.3
08	01:00:00	53.8	44.1	75.9	89.4	57.6	55.2	51.1	49.6	48.5	46.8
09	01:00:00	53.1	42.9	73.3	88.6	56.8	54.7	51.2	49.9	48.7	47.0
10	01:00:00	52.4	42.8	78.6	88.0	55.5	53.8	50.8	49.5	48.5	46.7
11	00:48:08	55.0	42.3	72.0	89.6	61.7	58.1	51.7	49.6	48.2	46.4
12	00:31:43	52.6	42.2	71.0	85.4	56.8	54.2	50.1	48.8	47.8	46.2
13	01:00:00	55.4	44.0	78.7	91.0	60.6	57.2	51.9	50.1	48.7	46.9
14	01:00:00	56.8	43.2	95.2	92.3	57.4	53.6	49.5	48.3	47.4	46.0
15	01:00:00	54.9	43.8	77.6	90.5	59.3	55.5	50.8	49.3	48.2	46.6
16	01:00:00	51.6	43.6	83.7	87.2	53.6	51.6	48.9	47.9	47.0	45.7
17	01:00:00	55.4	44.1	80.9	91.0	59.4	55.7	50.6	49.2	48.0	46.4
18	01:00:00	54.2	42.9	78.0	89.8	59.1	54.5	48.9	47.7	46.8	45.3
19	01:00:00	55.0	44.5	86.1	90.5	57.2	55.2	52.5	51.1	49.7	47.6
20	01:00:00	52.3	42.8	75.9	87.9	55.5	53.8	49.8	47.8	46.8	45.3
21	01:00:00	51.9	43.4	75.5	87.5	54.5	51.5	48.7	47.8	47.1	45.9
22	01:00:00	50.4	42.9	75.2	85.9	51.7	50.0	48.0	47.2	46.5	45.3
23	01:00:00	49.0	41.1	75.3	84.5	50.3	49.1	46.9	46.2	45.5	44.2



Table A8-4

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.8	41.5	65.0	82.4	50.1	48.7	46.5	45.7	45.0	43.8
01	01:00:00	46.4	40.5	67.1	81.9	49.4	48.2	46.0	45.1	44.2	43.1
02	01:00:00	46.3	40.6	62.4	81.8	49.3	48.0	45.8	45.0	44.3	43.1
03	01:00:00	46.4	41.0	57.2	82.0	49.8	48.8	46.5	45.4	44.5	43.2
04	01:00:00	50.1	41.3	66.0	85.7	55.1	52.9	49.1	47.7	46.4	44.5
05	01:00:00	53.9	43.9	72.2	89.5	57.7	55.9	52.5	50.9	49.7	48.0
06	01:00:00	53.7	46.9	78.1	89.3	56.4	54.8	52.4	51.4	50.5	49.2
07	01:00:00	53.7	44.5	79.2	89.2	56.7	54.4	50.8	49.8	49.0	47.9
08	01:00:00	61.0	43.4	91.6	96.6	60.9	56.1	50.6	49.1	48.0	46.4
09	01:00:00	53.2	43.7	72.4	88.7	56.4	54.6	51.7	50.5	49.5	47.9
10	00:42:30	54.1	42.9	78.0	88.2	56.9	55.2	51.6	50.1	48.9	47.2
11	00:47:54	54.6	42.0	74.0	89.2	60.4	54.5	48.8	47.6	46.6	45.2
12	01:00:00	61.1	42.2	77.9	96.7	68.4	66.4	51.7	48.9	47.5	45.7
13	01:00:00	66.4	44.2	77.7	102.0	72.7	71.1	64.7	62.9	60.5	50.1
14	01:00:00	57.6	45.1	83.9	93.2	63.0	59.9	54.4	52.8	51.4	48.4
15	01:00:00	54.9	45.3	74.6	90.4	60.0	57.2	53.2	51.7	50.5	48.6
16	01:00:00	64.8	46.0	76.7	100.3	70.7	69.4	65.8	54.1	51.8	49.4
17	01:00:00	63.0	44.2	87.5	98.5	69.4	67.3	54.0	52.1	50.6	48.0
18	01:00:00	62.7	44.8	77.7	98.3	70.0	68.4	53.4	51.3	49.8	47.6
19	01:00:00	53.3	44.3	78.8	88.8	57.1	54.4	50.4	48.7	47.7	46.3
20	01:00:00	53.2	43.5	83.5	88.8	56.7	53.8	49.7	48.6	47.6	46.3
21	01:00:00	50.3	42.5	70.8	85.9	53.1	51.4	48.4	47.2	46.3	45.0
22	01:00:00	48.4	41.9	69.1	84.0	50.3	49.2	47.3	46.5	45.8	44.4
23	01:00:00	48.3	42.0	73.6	83.9	51.5	49.5	46.9	46.1	45.3	44.1



Table A8-5

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.0	42.6	72.6	84.6	50.9	49.7	47.8	47.0	46.4	45.2
01	01:00:00	48.0	41.9	75.9	83.5	49.6	48.5	46.7	45.8	45.1	44.1
02	01:00:00	46.3	41.4	67.9	81.9	48.5	47.4	45.7	44.9	44.3	43.2
03	01:00:00	45.4	40.0	54.5	81.0	48.3	47.4	45.7	44.9	44.3	43.0
04	01:00:00	48.0	40.0	62.2	83.6	53.7	51.5	46.4	45.0	44.1	42.6
05	01:00:00	54.7	41.4	78.5	90.2	60.5	55.9	51.1	48.9	47.3	45.4
06	01:00:00	50.5	43.0	69.6	86.1	54.8	52.7	49.3	48.1	47.2	45.6
07	01:00:00	50.5	42.1	74.9	86.1	54.5	52.5	48.9	47.5	46.4	44.8
08	01:00:00	53.3	42.3	83.1	88.9	56.4	54.0	50.1	48.7	47.6	45.7
09	01:00:00	52.9	43.5	74.6	88.4	55.2	53.3	50.6	49.4	48.4	46.7
10	01:00:00	53.9	43.0	75.0	89.5	56.5	53.9	50.8	49.4	48.3	46.5
11	01:00:00	51.8	42.8	76.7	87.3	54.7	52.5	49.2	48.0	47.0	45.4
12	01:00:00	52.8	44.0	77.6	88.4	54.5	52.4	49.9	48.9	47.9	46.4
13	01:00:00	50.8	43.2	71.3	86.4	53.9	52.3	49.6	48.4	47.4	45.6
14	00:27:56	53.6	44.5	69.0	85.9	59.1	55.9	52.4	51.0	49.8	47.8
15	01:00:00	53.2	44.6	72.4	88.7	58.0	54.4	50.2	49.3	48.4	47.0
16	01:00:00	51.7	43.5	75.1	87.3	55.0	52.4	49.1	48.0	47.2	45.7
17	01:00:00	50.8	43.3	74.6	86.4	53.9	51.6	48.1	47.2	46.4	45.2
18	01:00:00	52.4	42.8	73.5	88.0	56.3	53.7	49.0	47.6	46.6	45.3
19	01:00:00	51.0	42.7	75.1	86.6	55.0	52.0	48.0	47.0	46.3	45.1
20	01:00:00	50.0	40.7	74.8	85.6	53.4	50.5	46.6	45.3	44.3	43.0
21	01:00:00	49.1	40.8	78.9	84.7	49.6	46.9	44.5	43.8	43.1	42.1
22	01:00:00	52.4	40.8	83.6	87.9	47.9	46.8	44.9	44.2	43.6	42.6
23	01:00:00	45.9	40.6	68.9	81.5	48.2	47.1	45.0	44.3	43.6	42.5



Table A8-6

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.7	40.8	77.3	84.3	46.9	46.0	44.8	44.3	43.7	42.9
01	01:00:00	45.4	41.9	64.4	81.0	46.9	46.4	45.4	44.9	44.4	43.6
02	01:00:00	46.5	40.9	75.7	82.1	46.1	45.7	44.7	44.2	43.7	42.6
03	01:00:00	42.6	37.3	55.9	78.1	45.0	43.9	42.6	42.0	41.2	40.0
04	01:00:00	47.0	34.2	68.9	82.6	54.2	51.7	40.9	39.5	38.0	35.9
05	01:00:00	53.1	36.3	73.5	88.6	58.0	55.6	50.5	47.6	44.1	40.1
06	01:00:00	49.3	35.0	69.9	84.9	54.3	51.4	44.7	42.2	40.8	38.9
07	01:00:00	48.1	35.3	67.4	83.7	53.8	51.6	44.9	42.3	40.7	38.4
08	01:00:00	50.9	36.9	77.8	86.5	55.9	53.6	48.8	46.1	43.9	41.1
09	01:00:00	51.7	38.7	73.9	87.3	55.6	53.6	50.2	48.4	46.9	44.6
10	00:31.49	54.1	43.1	77.0	86.9	57.1	55.7	53.1	51.7	50.2	47.7
11	01:00:00	53.8	46.1	75.4	89.4	56.7	55.7	52.9	51.8	50.7	49.1
12	01:00:00	54.4	45.2	79.3	89.9	56.8	55.6	53.3	52.3	51.4	49.8
13	01:00:00	53.4	46.0	72.5	89.0	56.7	55.3	52.4	50.9	49.9	48.3
14	01:00:00	52.4	43.0	76.3	88.0	56.0	53.1	49.3	48.3	47.4	46.0
15	01:00:00	56.4	45.4	78.4	92.0	60.6	57.8	54.0	52.5	51.3	49.3
16	01:00:00	54.1	44.6	76.4	89.7	57.2	54.9	51.8	50.7	49.6	47.9
17	01:00:00	51.6	43.0	70.4	87.2	55.2	53.2	50.2	48.9	47.9	46.2
18	01:00:00	54.1	44.2	77.1	89.7	58.0	56.0	51.9	50.3	49.0	47.3
19	01:00:00	50.8	42.7	69.3	86.3	55.7	53.2	48.5	46.9	45.8	44.4
20	01:00:00	53.9	42.0	74.8	89.5	59.4	55.5	48.2	46.3	45.1	43.6
21	01:00:00	49.3	39.4	73.2	84.9	51.1	47.0	43.7	42.9	42.3	41.2
22	01:00:00	46.3	38.2	71.2	81.9	44.8	43.6	42.1	41.5	41.0	39.9
23	01:00:00	47.2	36.9	76.0	82.8	46.5	42.9	41.1	40.5	39.8	38.6



Table A8-7

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	45.0	36.2	66.7	80.6	46.0	43.9	41.3	40.5	39.6	38.2
01	01:00:00	44.3	35.8	71.4	79.8	44.2	43.1	41.2	40.1	39.3	38.1
02	01:00:00	44.9	36.2	74.0	80.5	43.8	42.5	40.7	39.9	39.1	38.1
03	01:00:00	42.1	37.5	58.3	77.6	44.6	43.8	42.3	41.5	40.8	39.5
04	01:00:00	49.4	37.2	76.2	85.0	54.8	52.5	44.6	42.9	41.5	39.6
05	01:00:00	57.1	42.5	77.0	92.7	64.3	60.6	52.6	49.9	47.8	45.2
06	01:00:00	54.0	41.3	77.8	89.6	59.7	55.8	49.7	47.7	46.3	44.3
07	01:00:00	52.4	41.0	70.9	88.0	57.8	55.1	50.2	48.3	46.7	44.3
08	01:00:00	56.0	39.8	80.5	91.6	59.1	55.4	49.7	47.4	45.7	43.4
09	01:00:00	53.6	37.6	83.8	89.2	57.8	53.3	46.8	44.7	43.0	40.7
10	00:43:00	48.6	36.9	72.0	82.7	53.1	51.1	46.7	44.9	43.5	41.4
11	00:38:55	52.3	40.6	69.0	86.0	57.0	55.1	51.6	49.8	48.2	45.7
12	01:00:00	54.9	42.5	79.5	90.4	59.6	56.8	51.9	50.3	48.9	46.3
13	01:00:00	53.9	41.7	82.1	89.5	55.3	53.1	50.1	49.0	47.9	45.4
14	01:00:00	51.6	42.4	72.4	87.2	54.5	53.1	50.5	49.2	47.9	45.5
15	01:00:00	53.8	42.5	79.0	89.4	56.5	52.8	49.3	47.8	46.6	44.7
16	01:00:00	54.8	42.1	84.4	90.4	57.4	54.5	50.6	49.3	48.0	46.0
17	01:00:00	53.4	42.5	79.5	89.0	56.9	54.6	49.9	48.4	47.1	45.4
18	01:00:00	59.3	44.2	86.1	94.9	61.5	57.3	50.9	49.7	48.8	47.3
19	01:00:00	57.9	43.5	78.8	93.4	64.1	60.5	53.3	50.7	49.1	47.2
20	01:00:00	56.4	42.1	83.0	92.0	59.6	55.7	50.1	48.6	47.5	46.0
21	01:00:00	48.9	41.8	73.6	84.5	50.8	49.5	47.3	46.4	45.7	44.3
22	01:00:00	50.7	40.6	77.1	86.3	55.6	52.0	46.8	45.7	44.8	43.5
23	01:00:00	45.0	40.0	63.5	80.5	47.0	46.2	44.8	44.2	43.5	42.3



Table A8-8

HOURLY STATISTICAL NOISE SUMMARY

NORTH BRUNSWICK, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	48.8	40.1	73.7	84.4	51.2	48.5	45.7	44.7	43.9	42.6
01	01:00:00	44.7	39.5	57.4	80.3	47.4	46.6	44.8	44.2	43.5	42.3
02	01:00:00	44.1	39.0	56.9	79.7	47.1	46.3	44.3	43.5	42.6	41.1
03	01:00:00	45.5	38.8	60.7	81.0	48.0	47.2	45.9	45.1	44.3	42.3
04	01:00:00	48.5	40.5	62.4	84.1	54.0	52.0	47.6	46.3	45.1	43.5
05	01:00:00	56.2	44.3	75.3	91.8	62.2	58.7	53.6	52.0	50.0	47.7
06	01:00:00	52.1	44.8	74.4	87.7	55.8	54.1	50.9	49.8	49.0	48.1
07	01:00:00	52.4	42.3	71.0	88.0	56.8	54.8	51.0	49.8	48.9	47.3
08	01:00:00	54.6	39.5	78.9	90.1	58.6	55.3	49.4	46.7	44.8	42.7
09	01:00:00	62.1	39.1	92.5	97.7	63.1	59.5	53.8	50.8	48.6	44.2
10	00:07:57	57.2	48.3	70.0	83.9	62.0	60.2	57.7	55.7	54.4	52.4
11-23					** NO DATA **						



Table A9-1

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 25, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00-10					** NO DATA **						
11	00:36:49	55.5	36.1	86.0	88.9	58.4	56.5	47.5	45.2	43.2	41.0
12	01:00:00	56.2	38.6	75.3	91.8	62.4	60.0	53.3	50.1	47.1	42.8
13	01:00:00	52.2	35.2	73.7	87.8	58.0	54.5	48.0	45.0	43.1	40.1
14	01:00:00	56.0	37.3	86.5	91.5	57.4	53.1	47.1	45.3	43.8	41.6
15	01:00:00	50.4	37.6	78.8	86.0	52.8	49.7	45.6	44.3	43.3	41.6
16	01:00:00	49.9	38.1	74.0	85.4	54.5	51.7	46.9	45.4	44.0	41.9
17	01:00:00	51.3	38.6	71.3	86.8	56.4	54.5	49.4	47.5	46.0	43.6
18	01:00:00	52.2	40.5	78.1	87.8	57.0	53.9	48.8	47.0	45.7	44.0
19	01:00:00	52.4	37.2	78.1	87.9	58.1	55.4	48.6	46.1	44.4	41.5
20	01:00:00	50.8	36.7	79.3	86.3	55.9	52.5	45.5	43.5	42.2	40.2
21	01:00:00	48.9	34.3	76.9	84.5	50.0	46.7	42.5	41.2	40.0	38.0
22	01:00:00	46.1	32.3	69.3	81.6	51.0	46.1	41.6	39.9	38.4	35.8
23	01:00:00	41.6	30.9	67.3	77.2	45.0	42.9	39.3	37.7	36.1	33.4



Table A9-2

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 26, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	46.3	30.0	68.3	81.9	52.5	50.5	44.4	39.7	36.8	33.4
01	01:00:00	48.2	29.7	59.5	83.7	54.2	52.6	47.9	44.9	40.3	32.9
02	01:00:00	47.4	29.0	60.8	83.0	53.6	51.9	47.0	43.4	37.0	31.2
03	01:00:00	44.8	29.0	62.8	80.4	51.6	49.3	41.2	34.3	31.8	30.2
04	01:00:00	53.2	29.0	70.8	88.8	59.5	56.9	49.8	41.0	31.8	30.2
05	01:00:00	54.8	33.7	69.5	90.4	62.4	59.8	50.2	45.2	42.6	39.3
06	01:00:00	46.8	36.0	69.8	82.4	50.0	48.3	45.6	44.3	43.1	40.9
07	01:00:00	48.1	40.1	69.8	83.6	52.8	50.5	46.8	45.6	44.5	42.6
08	00:33.31	49.9	40.3	70.0	82.9	56.1	52.8	47.9	46.7	45.8	44.2
09	00:54:58	49.0	37.5	68.0	84.2	52.4	50.4	47.4	46.1	45.0	42.8
10	01:00:00	61.4	37.5	81.2	97.0	66.6	61.8	47.9	45.4	43.5	40.8
11	01:00:00	62.9	37.5	76.5	98.5	69.5	67.7	60.6	51.9	48.9	44.3
12	01:00:00	60.1	41.7	80.2	95.7	66.2	62.4	57.7	54.6	51.0	46.8
13	01:00:00	53.3	39.5	75.3	88.9	56.8	55.1	52.2	50.8	49.2	46.4
14	01:00:00	49.9	38.9	73.1	85.5	51.8	50.2	47.7	46.6	45.5	43.6
15	01:00:00	50.1	40.1	71.6	85.7	54.6	52.4	48.4	47.0	45.8	44.0
16	01:00:00	50.9	38.3	71.5	86.5	55.6	52.5	48.1	46.4	45.0	42.5
17	01:00:00	51.0	38.0	73.1	86.6	56.3	52.7	46.8	45.3	44.0	42.1
18	01:00:00	53.4	38.1	82.5	89.0	57.0	52.8	47.3	45.7	44.4	42.6
19	01:00:00	50.7	40.1	70.0	86.3	55.9	52.2	47.3	45.4	44.1	42.5
20	01:00:00	60.5	41.5	94.3	96.1	53.3	49.7	46.0	45.1	44.4	43.3
21	01:00:00	43.7	33.8	67.8	79.3	46.5	45.6	43.1	41.9	40.7	38.3
22	01:00:00	49.1	33.3	76.1	84.7	51.4	46.7	42.1	40.8	39.5	37.4
23	01:00:00	41.8	31.8	67.0	77.4	45.9	43.5	39.7	38.0	36.6	34.3



Table A9-3

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 27, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	44.2	30.7	64.2	79.8	50.3	46.5	38.9	36.8	35.1	32.9
01	01:00:00	48.0	29.8	67.4	83.6	54.2	52.5	47.3	42.7	36.3	31.7
02	01:00:00	47.9	29.7	67.3	83.4	55.4	51.9	43.5	35.4	32.1	30.5
03	01:00:00	36.6	29.7	57.8	72.2	41.4	38.0	33.0	31.8	31.3	30.4
04	01:00:00	59.0	30.0	77.0	94.6	67.3	62.1	43.9	36.0	33.2	31.3
05	01:00:00	54.3	34.7	75.4	89.9	60.5	58.7	52.9	49.0	44.9	40.1
06	01:00:00	46.4	37.2	72.6	82.0	50.2	48.4	45.6	44.3	43.1	40.8
07	01:00:00	50.1	41.0	72.0	85.6	52.8	50.2	47.2	46.2	45.3	43.8
08	01:00:00	54.6	41.5	81.0	90.1	56.8	52.6	48.0	46.7	45.7	44.3
09	01:00:00	50.1	41.5	75.0	85.7	53.7	51.7	47.4	46.1	45.2	43.8
10	01:00:00	50.4	42.2	73.8	86.0	53.6	51.3	48.0	46.8	45.8	44.3
11	00:16:13	52.7	43.3	76.0	82.6	55.7	52.2	48.6	47.7	46.9	45.7
12	01:00:00	50.1	41.5	69.5	85.6	54.2	52.0	48.5	47.2	46.2	44.6
13	01:00:00	51.8	43.3	81.8	87.4	54.1	52.0	49.1	48.0	47.1	45.7
14	01:00:00	56.9	41.2	86.1	92.4	59.0	56.9	53.5	51.3	48.8	45.3
15	01:00:00	51.7	41.6	73.7	87.3	56.0	54.2	48.9	47.5	46.3	44.5
16	01:00:00	52.7	42.3	76.1	88.3	57.2	55.5	50.1	48.2	46.8	45.1
17	01:00:00	51.4	41.1	78.8	87.0	54.3	51.8	48.3	46.9	45.9	44.3
18	01:00:00	51.6	40.1	76.9	87.2	55.5	53.1	49.5	48.0	46.5	44.0
19	01:00:00	48.8	39.7	75.4	84.4	52.4	49.6	46.2	45.0	44.0	42.5
20	01:00:00	49.8	37.9	78.9	85.3	52.1	49.7	45.3	43.9	42.9	41.3
21	01:00:00	45.7	35.5	72.4	81.3	50.2	47.2	43.1	41.9	41.0	39.0
22	01:00:00	45.0	33.8	71.4	80.6	49.1	45.8	41.8	40.4	39.1	37.2
23	01:00:00	44.6	32.3	66.8	80.2	50.2	45.8	40.7	39.2	38.0	35.9



Table A9-4

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 28, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.7	31.4	73.4	85.3	54.9	53.5	49.3	46.4	42.2	36.3
01	01:00:00	48.1	30.6	60.5	83.7	54.1	52.6	47.9	44.6	39.5	34.0
02	01:00:00	45.6	29.9	59.9	81.1	52.3	50.2	43.7	37.2	33.7	31.3
03	01:00:00	38.6	29.7	60.3	74.2	44.6	40.0	33.8	32.0	31.5	30.7
04	01:00:00	54.4	29.6	73.4	90.0	60.3	56.5	48.1	38.1	32.3	30.6
05	01:00:00	54.6	33.6	76.6	90.2	57.8	55.3	48.8	44.7	41.7	38.1
06	01:00:00	46.6	33.9	64.5	82.1	50.5	48.7	45.9	44.7	43.3	41.0
07	01:00:00	49.7	40.4	71.7	85.2	54.0	51.8	48.0	46.8	45.7	44.1
08	01:00:00	52.4	41.5	86.9	87.9	53.8	51.6	47.7	46.4	45.5	44.1
09	01:00:00	51.5	41.7	78.8	87.1	54.0	50.8	46.9	45.9	45.1	43.8
10	00:40:55	47.4	40.8	67.0	81.3	52.4	50.3	46.5	45.6	45.0	43.8
11	00:40:58	55.6	41.6	81.0	89.5	56.6	52.6	48.1	46.6	45.6	44.2
12	01:00:00	51.3	40.6	72.5	86.9	55.8	52.5	47.7	46.0	44.8	43.2
13	01:00:00	51.1	42.2	73.4	86.7	54.7	52.1	48.1	46.8	45.9	44.5
14	01:00:00	52.0	42.4	78.3	87.6	54.8	52.8	49.6	48.4	47.2	45.3
15	01:00:00	52.1	42.8	73.9	87.7	55.4	53.3	49.6	48.1	46.8	45.3
16	01:00:00	50.9	42.1	74.0	86.5	54.9	52.2	48.7	47.5	46.4	45.0
17	01:00:00	50.6	42.1	73.1	86.2	54.3	51.7	48.1	46.9	46.1	44.6
18	01:00:00	53.0	41.3	82.8	88.6	54.7	51.7	47.7	46.4	45.4	43.7
19	01:00:00	51.3	39.1	78.3	86.9	55.2	51.7	47.1	45.1	43.6	41.7
20	01:00:00	50.4	38.8	70.4	86.0	55.7	54.3	48.8	45.2	43.5	41.4
21	01:00:00	47.7	36.7	72.6	83.3	50.3	48.2	44.6	43.0	41.8	39.9
22	01:00:00	47.4	35.0	74.7	83.0	50.2	45.9	42.0	40.7	39.7	38.2
23	01:00:00	42.9	33.8	67.5	78.5	46.0	44.1	40.5	39.3	38.3	36.6

Table A9-5

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 29, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	47.0	33.0	76.1	82.5	49.1	45.5	40.8	39.6	38.6	36.6
01	01:00:00	49.7	33.1	71.8	85.2	55.2	53.6	48.8	45.3	40.3	36.6
02	01:00:00	47.3	31.8	68.2	82.9	53.8	51.7	45.0	39.5	37.5	34.5
03	01:00:00	41.3	32.0	59.3	76.9	48.1	44.0	37.7	36.7	36.0	33.4
04	01:00:00	52.0	31.5	70.1	87.6	58.2	54.7	46.9	38.4	36.6	33.5
05	01:00:00	54.9	34.0	73.7	90.4	61.5	57.9	49.3	45.1	40.9	37.1
06	01:00:00	46.8	33.7	69.4	82.4	50.7	46.4	42.0	40.6	39.4	37.4
07	01:00:00	47.9	36.3	67.6	83.5	52.9	50.1	45.6	44.2	43.0	41.0
08	01:00:00	50.3	39.5	73.5	85.9	55.8	52.9	46.9	45.0	43.7	42.1
09	01:00:00	51.5	40.1	71.9	87.1	56.6	53.2	46.9	45.3	44.2	42.5
10	00:20:50	54.2	42.0	79.0	85.2	56.7	55.3	51.6	49.8	47.6	44.8
11	01:00:00	50.1	40.6	75.9	85.6	52.5	50.7	48.0	47.0	45.9	43.2
12	01:00:00	51.9	40.3	71.6	87.4	57.2	55.0	49.6	47.0	45.4	43.1
13	01:00:00	48.9	41.5	68.0	84.4	53.5	51.7	48.3	46.8	45.7	44.1
14	01:00:00	50.2	39.9	76.3	85.8	54.4	51.7	46.9	45.5	44.5	42.9
15	01:00:00	50.7	39.5	72.9	86.3	55.3	52.2	46.7	44.9	43.7	42.2
16	01:00:00	51.3	40.5	72.9	86.9	56.5	53.4	46.4	44.5	43.5	42.3
17	01:00:00	55.9	40.6	80.0	91.5	61.8	59.2	51.8	48.6	46.0	43.5
18	01:00:00	50.1	38.7	74.0	85.7	52.3	49.2	45.1	43.7	42.7	41.4
19	01:00:00	54.6	35.0	81.5	90.2	57.6	54.8	46.6	43.4	41.6	39.6
20	01:00:00	51.9	34.0	77.3	87.5	56.7	53.1	46.5	44.1	42.5	40.2
21	01:00:00	47.8	33.8	74.8	83.4	46.6	43.5	40.5	39.5	38.7	37.4
22	01:00:00	47.5	33.8	75.1	83.0	46.6	43.9	40.1	39.0	38.1	36.7
23	01:00:00	46.8	33.2	76.2	82.3	44.4	42.0	39.6	38.6	37.7	36.1

Table A9-6

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JUNE 30, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	49.1	32.4	75.5	84.7	54.7	53.0	46.0	39.4	37.6	35.5
01	01:00:00	49.0	30.7	68.1	84.6	54.6	53.3	49.1	45.1	39.0	35.1
02	01:00:00	49.5	30.4	76.6	85.1	54.7	53.2	48.1	41.9	36.8	33.2
03	01:00:00	45.4	29.3	60.5	81.0	53.2	50.7	36.2	35.0	33.8	30.8
04	01:00:00	57.7	29.5	80.8	93.3	62.1	58.3	49.1	35.5	33.3	30.6
05	01:00:00	52.4	31.7	77.8	88.0	53.6	51.4	47.1	43.8	39.9	35.9
06	01:00:00	45.5	31.2	67.7	81.0	50.2	45.2	39.7	38.2	37.1	34.7
07	01:00:00	47.7	31.6	66.8	83.3	54.4	50.2	41.6	39.4	37.9	35.7
08	01:00:00	50.0	32.3	74.2	85.6	55.5	53.2	46.5	43.1	40.8	37.4
09	01:00:00	53.2	38.5	73.3	88.8	59.8	56.7	48.6	45.8	44.1	41.2
10	01:00:00	48.5	39.8	65.5	84.1	53.0	50.7	47.5	46.4	45.4	43.6
11	01:00:00	51.4	41.4	72.2	87.0	54.2	51.7	48.5	47.2	46.1	44.0
12	01:00:00	66.0	41.1	83.5	101.6	72.1	68.0	61.9	51.8	45.8	43.6
13	01:00:00	50.1	38.6	73.9	85.7	54.4	51.8	45.9	44.3	43.2	41.7
14	00:18:36	48.8	39.3	67.0	79.3	54.8	52.8	47.3	45.4	44.2	42.5
15	01:00:00	50.6	39.5	70.6	86.2	56.2	53.5	47.5	45.6	44.3	42.3
16	01:00:00	49.9	40.4	74.6	85.5	54.3	51.2	46.8	45.5	44.4	42.9
17	01:00:00	56.9	39.2	85.5	92.5	64.6	58.3	49.5	46.0	44.0	41.7
18	01:00:00	51.2	38.9	76.4	86.7	55.9	53.8	48.9	46.7	44.8	42.2
19	01:00:00	51.6	37.7	78.9	87.2	57.2	54.3	47.5	45.0	43.4	41.3
20	01:00:00	50.4	32.8	75.4	86.0	55.3	51.3	43.9	41.8	40.4	38.3
21	01:00:00	46.5	32.8	72.2	82.0	51.0	47.3	40.8	39.6	38.6	36.7
22	01:00:00	46.0	30.6	72.9	81.6	46.1	42.6	38.8	37.8	36.9	34.0
23	01:00:00	44.4	30.3	72.9	80.0	46.3	41.6	37.0	35.7	33.9	31.7



Table A9-7

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JULY 1, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	34.2	29.9	47.4	69.8	36.8	36.3	35.1	33.4	32.2	31.0
01	01:00:00	47.2	29.5	71.0	82.8	53.9	51.8	40.9	35.8	32.4	30.6
02	01:00:00	48.6	29.8	60.8	84.2	55.2	53.5	47.8	40.7	33.6	30.8
03	01:00:00	49.9	29.0	68.3	85.5	57.7	54.4	46.1	35.5	31.3	29.8
04	01:00:00	53.2	29.0	71.1	88.8	60.4	56.9	41.9	32.7	30.7	29.6
05	01:00:00	55.0	32.5	77.5	90.6	61.3	58.5	49.7	44.2	40.7	36.7
06	01:00:00	46.3	32.6	70.4	81.9	51.0	48.2	43.0	41.3	40.0	37.5
07	01:00:00	49.3	36.8	70.9	84.9	54.9	51.6	46.1	44.2	42.7	40.8
08	01:00:00	47.6	36.9	71.5	83.2	52.2	49.7	45.4	43.9	42.7	40.5
09	01:00:00	50.8	38.9	73.5	86.4	55.3	52.2	46.0	44.2	43.2	41.7
10	01:00:00	46.1	39.0	68.2	81.7	50.3	47.9	44.6	43.4	42.5	41.2
11	01:00:00	46.4	38.5	70.1	82.0	50.4	47.5	43.9	43.0	42.4	41.3
12	01:00:00	48.7	39.7	79.7	84.3	53.0	50.6	46.0	44.4	43.3	41.9
13	01:00:00	49.0	40.0	74.6	84.6	53.1	50.5	46.0	44.7	43.7	42.3
14	01:00:00	52.2	40.1	80.0	87.8	57.0	53.6	46.1	44.5	43.5	42.1
15	00:53:55	51.2	40.8	72.0	86.3	55.7	53.4	49.0	47.2	45.7	43.8
16	00:30:28	49.9	39.6	70.0	82.5	53.8	51.1	46.2	44.8	43.8	42.4
17	01:00:00	51.0	40.0	75.5	86.6	55.7	52.1	46.7	45.5	44.5	43.0
18	01:00:00	51.2	41.5	77.8	86.8	54.9	52.3	48.1	46.8	45.9	44.4
19	01:00:00	51.8	40.7	74.7	87.4	56.6	54.2	48.8	47.0	45.6	43.8
20	01:00:00	50.9	38.6	76.7	86.5	55.1	53.1	47.9	45.8	44.1	42.2
21	01:00:00	51.2	34.6	77.3	86.8	53.3	48.1	42.8	41.2	39.8	37.7
22	01:00:00	45.5	31.9	72.2	81.1	50.4	46.3	41.0	39.7	38.6	36.3
23	01:00:00	44.8	31.3	74.7	80.4	46.5	42.6	38.9	37.7	36.4	33.4



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Table A9-8

HOURLY STATISTICAL NOISE SUMMARY

MENDHAM, NEW JERSEY - JULY 2, 1991

EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

Hour	Duration	Leq dBA	Lmin dBA	Lmax dBA	SEL dBA	L5 dBA	L10 dBA	L33 dBA	L50 dBA	L67 dBA	L90 dBA
00	01:00:00	42.0	29.9	67.3	77.6	42.3	40.1	36.9	35.0	33.0	31.0
01	01:00:00	48.5	29.8	64.5	84.1	54.7	53.0	47.5	43.2	38.6	32.3
02	01:00:00	48.5	29.7	62.6	84.1	54.8	53.4	47.6	43.6	38.6	31.7
03	01:00:00	47.9	29.7	69.8	83.5	54.6	52.8	45.1	38.9	33.8	30.8
04	01:00:00	56.1	29.9	73.5	91.6	62.9	59.6	52.6	47.0	37.6	31.0
05	01:00:00	54.4	33.8	71.0	90.0	61.6	59.4	49.4	46.0	43.5	39.5
06	01:00:00	47.6	35.4	74.7	83.2	50.7	49.0	45.6	44.3	43.1	41.1
07	01:00:00	52.2	38.5	71.3	87.8	59.1	55.7	48.9	47.0	45.4	43.1
08	01:00:00	52.5	40.2	75.6	88.0	57.7	54.9	49.0	46.8	45.3	43.4
09	01:00:00	50.5	40.3	75.4	86.1	55.5	53.1	47.9	45.9	44.5	42.9
10	01:00:00	58.5	39.1	86.7	94.1	60.9	56.4	48.0	46.0	44.7	42.7
11	01:00:00	49.5	38.7	74.1	85.1	53.1	50.5	46.3	44.6	43.3	41.7
12	00:04:00	51.7	40.7	61.0	75.5	57.4	56.1	51.7	49.9	47.1	43.7
13-23					** NO DATA **						

APPENDIX B
SOUND EXPOSURE LEVELS (SEL)

This Appendix presents the calculated Sound Exposure Levels for individual aircraft events by measurement site and date, Tables B1-1* through B9-8, along with pertinent event information including:

- FLT ID - aircraft flight number
- TYPE - type of aircraft
- AR/DP - type of event, i.e., arrival(a)/departure(t)/enroute(o)
- SLR - slant distance from aircraft to receiver (feet)
- ANGLE - angle of the SLR vector relative to the vector from the receiver to a position directly overhead (degrees); i.e., 0° = aircraft overhead
- HDNG - aircraft's heading (degrees); i.e., 0° = 360° = North
- SPD - aircraft's speed (knots)
- RELALT - aircraft's altitude relative to measurement site elevation (feet)
- DST TIME - time of the aircraft's closest point of approach to the measurement site (hours, minutes, seconds, and tenths of seconds)
- L_{AMAX} - maximum A-weighted sound level for the event
- DUR(s) - duration of the event (seconds)
- SEL(dBA) - A-weighted Sound Exposure Level

* In the numerical notation for Table number, the first number denotes site number, as they appear in Table 1, and the second number denotes the day of the week, relative to June 25, 1991 (day 1). For example, Table B1-1 would contain noise data measured at Scotch Plains on June 25, 1991.



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Table B1-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HONG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
USA1938	DC9	t	11419.	29.8	331.5	312.	9909.	7 16	37.3	64	67	77.2
NWA1173	DC9	t	8095.	28.8	282.5	286.	7096.	7 18	29.2	72	51	85.1
COA809	B737	t	8883.	13.0	292.5	278.	8654.	7 26	11.3	69	125	84.7
USA1	B73s	t	7953.	5.2	289.0	330.	7921.	7 36	41.2	67	44	79.5
AAL1143	B727	t	7326.	25.2	299.5	262.	6627.	7 43	46.9	73	62	87.2
COA893	B727	t	7653.	8.4	291.5	326.	7571.	7 53	23.2	73	60	69.3
AWE16	B757	t	5723.	8.2	281.8	292.	5664.	8 9	34.1	63	50	59.3
MEP304	DC9	t	8531.	23.3	15.3	255.	7833.	8 27	48.6	69	40	65.1
DAL235	H/B767	t	10615.	23.0	305.3	372.	9769.	8 32	51.4	61	42	73.6
USA687	DC9	t	9708.	16.3	286.2	294.	9317.	8 59	27.2	64	43	74.8
AAL1079	B727	t	6870.	4.1	300.2	343.	6852.	9 49	35.7	77	47	89.2
COA309	MD80	t	7727.	19.6	287.0	252.	7278.	11 29	8.1	70	41	81.9
USA1125	FK10	t	9256.	10.8	284.4	238.	9092.	12 6	21.1	61	60	74.7
COA297	B727	t	6254.	12.9	251.7	273.	6098.	12 9	2.9	75	30	86.4
NWA1815	DC9	t	8500.	18.4	260.3	250.	8067.	12 29	56.6	70	29	80.0
COA191	H/A300	t	8854.	13.4	284.3	280.	8613.	12 51	31.1	65	44	77.4
COA315	MD80	t	9632.	24.7	297.6	321.	8753.	13 15	16.2	68	20	74.7
N683E	H525	t	6877.	29.5	197.3	351.	5985.	13 25	20.7	59	25	67.3
UAL741	B727	t	8798.	7.7	329.3	266.	8718.	14 4	34.5	71	60	83.8
COA825	B737	t	9089.	18.5	300.3	350.	8621.	14 11	39.2	70	37	79.7
COA317	MD80	t	10848.	19.0	295.9	269.	10259.	15 12	37.8	62	48	74.2
AAL881	B727	t	8250.	12.1	292.9	238.	8065.	15 19	5.4	72	44	84.6
COA669	DC9	t	10268.	22.0	291.6	264.	9523.	15 21	53.7	66	25	75.0
N1526H	G4	t	7055.	20.1	180.1	316.	6626.	15 24	26.6	62	24	71.5
UAL1261	B737	t	10392.	19.9	269.3	338.	9774.	15 26	27.6	63	40	73.2
COA171	H/A300	t	9272.	5.7	304.0	308.	9226.	15 27	45.4	65	25	74.7
AAL263	H/DC10	t	8689.	24.0	297.3	338.	7940.	15 32	5.2	61	55	73.7
COA1657	B737	t	9171.	3.2	288.9	223.	9157.	15 55	59.4	73	57	82.8
TWA395	B727	t	7867.	27.0	299.3	273.	7009.	16 11	9.0	73	44	83.6
COA711	B73s	t	11095.	14.9	252.0	312.	10720.	16 23	2.1	61	47	72.7
N12F	CV58	t	10357.	19.2	287.0	199.	9781.	16 34	32.6	62	38	72.6
COA371	DC9	t	9470.	17.6	286.4	252.	9026.	16 50	51.3	69	32	78.3
USA893	B737	t	8135.	28.2	277.9	208.	7168.	17 21	50.9	67	52	79.5
USA1956	FK28	t	7192.	16.1	283.7	258.	6912.	17 27	55.1	69	37	80.4
COA145	B727	t	6000.	6.2	308.5	268.	5965.	17 38	55.8	78	43	89.1
USA279	FK10	t	10249.	23.7	260.6	344.	9383.	17 49	59.3	66	9	70.9
NWA793	DC9	t	9060.	20.5	305.1	235.	8484.	18 30	2.4	65	58	78.2
USA2369	DC9	t	8953.	19.6	291.8	237.	8435.	18 41	17.3	70	27	77.8
DAL1421	B727	t	8043.	25.5	294.2	284.	7262.	19 22	58.3	74	55	86.7
COA685	B73s	t	9198.	10.6	288.3	355.	9040.	20 15	52.6	59	52	72.9
COA329	MD80	t	7835.	20.5	295.2	235.	7339.	20 33	2.7	68	33	79.2
COA677	B737	t	10274.	24.5	292.1	271.	9346.	20 44	8.4	67	29	76.1
DAL349	B727	t	8634.	24.5	279.9	223.	7859.	20 59	1.5	76	42	86.2
DAL241	H/B767	t	10662.	20.1	288.9	259.	10010.	21 3	41.0	63	59	74.7
COA499	MD80	t	8766.	19.7	276.3	266.	8254.	21 10	8.1	67	37	77.9
FDX279	H/DC10	t	6628.	8.2	282.7	250.	6561.	22 1	14.9	65	58	78.0
DAL597	MD88	t	11488.	24.4	276.7	320.	10462.	22 12	43.0	59	47	72.0
UPS1073	H/B747	t	8805.	19.3	294.3	283.	8310.	22 29	46.0	66	43	78.8
COA849	B737	t	10156.	20.5	290.6	265.	9513.	22 34	48.7	64	68	76.4
N9268P	PA24	a	2383.	13.6	37.5	223.	2316.	22 37	21.7	59	40	70.5
DHL245	B727	t	7992.	2.7	288.4	289.	7983.	23 0	28.7	70	59	84.2
FDX400	B727	t	7875.	17.5	294.2	244.	7509.	23 3	5.0	73	56	86.3



Table B1-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
BKA313	LR35	a	3941.	2.5	42.3	277.	3938.	0 19 19.6	64	25	74.0
WIG150	C208	t	5154.	29.0	262.4	102.	4509.	2 30 51.6	56	62	69.9
M40623	H/C141	o	18346.	7.3	196.2	455.	18197.	2 44 34.2	55	53	67.8
COA1229	B727	t	8423.	12.7	302.1	282.	8218.	7 5 29.3	70	62	84.0
TWA443	H/L101	t	8989.	16.6	294.3	280.	8614.	7 17 9.1	61	65	75.1
COA779	B735	t	8862.	13.6	318.7	296.	8612.	7 24 28.6	64	46	75.5
AAL1125	B727	t	8706.	25.5	297.6	247.	7857.	8 8 39.5	69	53	82.6
BTA3593	E120	t	3843.	15.2	256.4	248.	3709.	8 12 48.7	64	30	75.3
COA655	B737	t	8131.	6.6	293.0	315.	8076.	8 43 46.3	68	46	80.0
USA1029	DC9	t	9334.	5.5	284.8	268.	9291.	8 46 31.6	64	46	75.1
COA223	H/A300	t	8017.	16.7	307.7	299.	7678.	8 48 7.2	67	41	78.4
COA349	H/A300	t	6509.	11.9	341.2	307.	6371.	8 55 7.1	65	32	76.2
UAL455	H/DC10	t	8058.	26.0	318.4	261.	7244.	9 17 47.9	61	50	75.3
COA675	DC9	t	8683.	19.6	312.4	285.	8179.	9 19 19.3	70	41	80.1
COA479	H/A300	t	9489.	14.2	310.0	287.	9200.	9 21 30.3	62	42	74.0
TWA229	B727	t	7495.	22.8	308.5	293.	6909.	9 29 37.0	75	30	84.9
UAL1427	B727	t	10053.	27.1	301.2	390.	8953.	9 36 10.9	67	69	81.5
AAL1079	B727	t	8502.	10.7	276.2	307.	8355.	9 44 51.8	70	45	81.7
DAL419	B727	t	7922.	24.9	301.3	277.	7184.	10 4 43.4	73	51	86.1
COA1031	B737	t	9450.	12.7	295.2	235.	9219.	10 33 1.5	66	53	77.5
COA699	B727	t	6639.	10.1	271.9	239.	6536.	11 16 36.0	72	41	88.0
COA297	B727	t	6257.	4.8	299.8	289.	6235.	12 7 6.2	77	37	87.7
DAL887	B727	t	9395.	26.0	297.7	327.	8441.	12 20 48.6	67	39	78.5
COA1299	B737	t	8885.	13.3	279.4	336.	8648.	13 21 13.5	64	48	76.0
N212JP	DA50	t	6403.	8.6	130.7	386.	6331.	14 7 33.4	68	11	73.0
N723BH	C650	t	2879.	3.7	233.4	263.	2872.	14 11 9.3	71	21	80.7
N16R	DA05	t	7918.	13.7	232.6	349.	7694.	14 27 3.7	60	53	73.5
COA825	B737	t	8738.	11.3	294.9	244.	8570.	14 31 51.1	67	35	76.3
UAL347	B757	t	8808.	7.6	293.8	260.	8731.	14 54 19.1	60	43	70.8
TWA395	B727	t	7758.	15.5	312.5	301.	7474.	16 13 14.6	76	11	81.0
N25G	HS25	t	2682.	6.7	6.4	117.	2664.	16 32 21.3	60	13	67.6
DAL489	B727	t	8934.	20.7	302.6	246.	8355.	16 45 53.1	68	34	78.7
COA753	DC9	t	9606.	13.7	287.4	283.	9333.	16 50 39.7	62	47	74.6
H112ML	N265	t	6701.	20.7	292.8	154.	6268.	16 55 18.6	66	34	76.6
COA145	H/A300	t	8126.	28.3	315.3	284.	7156.	17 31 5.2	67	21	75.7
NWA1843	DC9	t	8683.	21.8	273.4	279.	8061.	17 49 11.4	62	51	76.2
N767FL	G4	t	4766.	14.7	157.1	190.	4609.	18 25 13.0	69	31	79.5
COA557	H/B747	t	7637.	16.9	294.7	275.	7309.	18 33 41.0	68	43	79.5
COA285	B727	t	9597.	29.4	295.1	254.	8357.	18 36 52.7	65	56	77.8
COA323	B727	t	9415.	24.3	283.6	270.	8580.	18 44 59.8	63	61	76.1
COA535	B737	t	7738.	15.7	305.2	297.	7449.	19 2 50.9	68	42	79.6
USA1567	DC9	t	7330.	3.6	310.3	305.	7315.	19 9 25.2	71	31	79.9
DAL1421	B727	t	8068.	19.1	289.2	301.	7626.	19 18 7.7	70	47	82.6
NWA1895	DC9	t	9542.	8.0	290.1	330.	9449.	19 58 0.8	65	34	76.2
COA849	B737	t	10143.	12.6	300.2	299.	9898.	20 43 30.4	60	49	74.0
COA499	MD80	t	9058.	21.6	304.9	256.	8424.	21 15 38.4	62	57	75.6
COA517	DC9	t	10712.	1.3	310.1	324.	10709.	21 24 40.5	59	63	72.7
COA382	DC9	a	3796.	12.3	56.5	220.	3709.	22 3 41.0	65	26	73.3



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Table B1-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAm _{ax}	DUR(s)	SEL(dBA)
N551DP	LR25	a	4483.	18.6	57.4	239.	4249.	1 39 23.0	59	31	70.7
USA109	FK10	t	9372.	4.1	293.0	276.	9348.	7 3 26.2	61	48	72.0
COA445	B727	t	7432.	16.8	290.8	325.	7116.	7 30 28.2	74	48	86.9
TWA443	H/L101	t	8029.	8.4	261.6	382.	7944.	7 34 52.1	64	54	76.7
COA1795	B727	t	8879.	28.9	259.9	359.	7777.	7 47 21.0	70	49	83.2
N96RE	N265	t	3851.	7.2	102.9	265.	3821.	7 49 25.2	70	28	80.0
USA83	B727	t	9827.	16.7	319.5	270.	9411.	8 4 13.1	68	58	81.6
AWE16	B757	t	8590.	7.8	303.1	298.	8510.	8 8 8.0	59	57	72.2
AAL1125	B727	t	7274.	11.2	279.7	264.	7136.	8 9 57.4	74	44	86.0
COA525	B727	t	8415.	25.6	303.6	271.	7588.	8 22 31.9	69	57	82.2
COA523	B737	t	8816.	17.4	290.6	282.	8412.	8 27 48.1	63	47	75.7
COA223	H/A300	t	8604.	24.5	292.9	268.	7827.	8 55 6.0	66	47	78.6
EW312	H/DC86	t	9554.	10.0	272.1	269.	9409.	9 7 54.0	64	48	76.4
COA479	H/A300	t	8605.	15.0	292.1	290.	8312.	9 19 44.1	64	45	75.3
COA309	MD80	t	9081.	5.1	290.7	270.	9046.	11 21 5.4	62	57	74.5
USA1525	B727	t	9125.	20.6	279.4	295.	8543.	11 33 49.9	72	42	82.7
USA1244	B737	t	10299.	29.5	291.5	339.	8967.	12 29 35.2	67	71	78.8
NWA1815	DC9	t	9284.	7.6	297.6	282.	9202.	12 34 40.2	66	25	74.8
USA853	B737	t	8184.	7.7	292.6	271.	8110.	12 44 39.0	69	31	78.1
AAL539	MD80	t	8943.	6.9	301.5	283.	8879.	12 51 15.7	66	36	75.1
NWA665	DC9	t	7680.	22.4	291.9	280.	7102.	12 54 29.3	68	30	77.6
USA1478	B737	t	10128.	11.9	311.8	330.	9912.	13 38 39.1	57	70	70.0
COA1655	B737	t	8986.	10.8	284.9	270.	8826.	13 42 41.0	62	47	73.9
UAL347	B757	t	8862.	9.9	303.7	366.	8731.	15 8 47.9	58	71	71.8
TWA565	DC9	t	9702.	29.4	294.5	330.	8450.	15 36 55.8	69	17	76.1
DAL969	B757	t	8756.	12.2	297.6	272.	8558.	16 4 36.4	60	55	73.8
COA1011	DC9	t	8482.	14.1	317.9	296.	8227.	16 18 56.6	68	21	75.1
COA711	B737	t	8948.	15.1	301.2	287.	8640.	16 30 7.7	61	28	71.7
DAL489	B727	t	9871.	27.4	283.0	329.	8761.	16 36 59.1	66	20	74.4
NWA1843	DC9	t	8526.	21.6	248.7	286.	7927.	17 47 49.3	64	63	77.0
COA145	B727	t	5719.	23.9	293.1	239.	5230.	17 52 42.5	80	70	83.1
COA293	MD80	t	8610.	17.9	299.0	347.	8195.	18 33 23.7	62	50	75.3
TWA255	MD80	t	9328.	16.2	294.8	277.	8956.	18 45 14.7	62	48	73.6
COA1709	B727	t	6417.	10.2	289.3	293.	6315.	19 29 5.1	75	47	86.8
USA1089	B737	t	7004.	11.7	298.4	300.	6858.	19 38 40.4	67	48	79.4
USA254	B737	t	9290.	8.8	286.7	293.	9182.	20 18 37.8	64	73	79.6
N47448	PA34	o	3069.	18.6	167.9	147.	2909.	21 9 0.5	61	36	71.5
COA517	DC9	t	8693.	19.8	296.0	335.	8179.	21 21 58.4	66	62	80.1
UPS1075	B757	t	8714.	6.7	299.0	274.	8654.	21 54 15.6	54	64	68.3
DAL597	MD88	t	8344.	8.5	293.0	347.	8252.	22 10 55.7	61	43	73.4
DAL241	H/B767	t	9872.	29.1	286.9	293.	8623.	22 15 50.4	58	54	70.6
ABX155	DC9	t	7572.	24.9	288.2	241.	6868.	22 18 59.5	65	64	78.1



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Table B1-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST TIME	LAmx	DUR(s)	SEL(dBA)
N92NE	LR35	a	3871.	17.9	48.4	232.	3684.	0 8 51.2	58	22	67.3
BKA313	LR35	a	5182.	20.2	49.1	267.	4863.	0 32 8.3	54	35	65.3
SJM870	H/DC87	o	21128.	24.8	279.4	409.	19186.	1 20 31.5	55	62	67.6
BTA3566	AT42	a	2454.	23.6	48.8	208.	2248.	7 0 19.1	68	21	77.7
COA1229	B727	t	8730.	12.1	262.7	335.	8535.	7 13 27.0	67	71	81.5
NWA1173	DC9	t	9580.	22.3	294.0	271.	8861.	7 19 38.5	64	80	78.5
COA647	H/A300	t	8159.	10.3	269.4	253.	8027.	7 25 23.0	60	62	74.4
AAL1125	B727	t	7425.	20.5	288.7	241.	6954.	8 3 30.1	70	63	83.6
UPS2077	H/DC87	t	8520.	11.9	280.7	339.	8336.	8 34 22.0	62	60	74.6
UPS2075	H/B747	t	8396.	25.4	253.6	356.	7585.	8 44 40.2	64	52	77.5
USA1029	DC9	t	9786.	28.0	297.7	349.	8642.	8 45 54.7	66	42	75.2
EWJ312	H/DC86	t	9409.	20.6	299.6	361.	8809.	8 46 58.0	64	78	77.5
COA655	B737	t	7111.	16.6	291.5	257.	6817.	8 49 23.2	67	54	80.2
COA859	B727	t	5824.	24.3	292.3	252.	5307.	9 4 25.9	75	41	86.7
COA1619	B737	t	7982.	4.6	297.0	274.	7956.	9 10 48.4	66	55	78.6
COA675	DC9	t	7545.	9.4	307.2	209.	7443.	9 22 46.7	66	71	79.7
UAL1427	B727	t	8562.	18.8	290.0	278.	8106.	9 31 10.9	68	59	80.7
N6531N	BE20	a	2262.	14.7	44.2	204.	2188.	9 38 17.0	61	23	70.7
UAL455	H/DC10	t	8401.	5.9	301.0	330.	8357.	9 40 17.0	62	62	75.4
AAL539	MD80	t	5842.	21.4	314.4	221.	5440.	12 55 42.5	68	25	78.1
NWA427	DC9	t	8046.	9.0	330.9	307.	7947.	12 56 44.0	69	32	78.8
USA1021	B735	t	5537.	13.4	308.5	293.	5387.	13 20 22.4	65	31	74.6
COA643	B737	t	8665.	14.7	252.5	347.	8382.	13 36 52.8	67	50	77.7
COA491	B737	t	9304.	2.6	292.1	260.	9294.	13 44 2.3	64	35	74.1
COA489	H/A300	t	6035.	11.6	300.4	286.	5911.	14 17 52.1	72	23	81.4
USA162	B727	t	7122.	6.5	296.1	275.	7076.	14 39 7.3	72	12	77.0
COA811	B737	t	8423.	3.6	292.3	275.	8406.	14 41 43.9	65	42	75.4
N3542D	PA31	o	3574.	24.3	267.9	129.	3259.	15 17 54.5	66	18	73.0
TWA565	DC9	t	9925.	30.0	297.4	310.	8598.	15 36 23.2	62	44	72.6
COA1657	B737	t	9099.	20.7	309.3	273.	8509.	15 55 53.0	68	20	74.4
COA1011	DC9	t	7742.	5.3	300.2	280.	7710.	16 20 44.0	66	38	76.7
DAL489	B727	t	6797.	10.0	287.6	232.	6694.	16 39 51.3	73	13	78.8
COA877	B727	t	6155.	3.9	300.2	323.	6140.	16 48 54.3	76	30	84.5
COA753	DC9	t	8327.	11.1	355.5	250.	8172.	16 51 26.2	61	53	73.2
NWA793	DC9	t	6732.	3.0	294.9	253.	6723.	18 29 8.7	67	40	79.3
N48R	DA05	t	6395.	3.1	266.0	313.	6386.	18 58 49.1	62	69	74.4
COA819	B737	t	9393.	9.7	297.0	283.	9259.	19 3 12.7	63	49	73.9
COA1709	B727	t	7232.	25.0	290.4	272.	6555.	19 20 21.1	69	62	82.6
USA1089	B737	t	7693.	11.2	282.7	259.	7546.	19 31 55.9	65	59	78.8
TEJ203	B727	t	7064.	17.7	301.5	268.	6729.	20 34 9.0	69	61	83.0
COA677	B737	t	8246.	22.7	306.9	280.	7609.	20 49 25.5	64	72	78.4
DAL349	B727	t	6926.	5.4	295.8	306.	6895.	21 8 32.8	73	45	86.2
COA584	B727	a	3818.	4.0	21.7	298.	3809.	22 19 6.2	65	22	74.4
FDX202	H/DC10	t	8605.	11.2	283.2	269.	8440.	23 7 46.4	63	53	76.3
DHL245	B727	t	7169.	10.9	279.6	258.	7041.	23 11 34.1	70	31	80.3



Table B1-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
USA109	FK10	t	8365.	7.6	300.0	247.	8292.	7	1 17.7	59	75	73.3
COA1229	B727	t	8389.	18.2	288.4	258.	7968.	7	8 21.9	72	57	83.5
COA729	B737	t	10550.	26.1	304.0	333.	9474.	7	38 48.2	63	61	76.5
COA893	B73S	t	9289.	19.8	292.4	253.	8737.	7	45 10.5	61	50	72.3
USA83	B727	t	8220.	17.8	281.9	283.	7826.	8	3 16.2	73	50	84.5
UAL35	B757	t	7995.	8.4	323.8	308.	7909.	8	15 52.5	64	50	75.2
COA655	B737	t	5825.	2.2	233.6	334.	5821.	8	53 47.7	70	36	83.0
COA223	H/A300	t	8885.	5.0	326.6	259.	8851.	9	3 27.3	64	54	77.7
COA191	H/A300	t	7171.	28.2	302.1	277.	6321.	9	7 41.9	68	39	79.0
EW312	H/DC86	t	9049.	19.3	290.9	263.	8542.	9	33 3.2	67	56	78.5
COA697	B737	t	7552.	12.0	293.5	269.	7388.	11	18 56.6	68	26	77.7
DAL887	B727	t	7377.	19.1	299.9	267.	6969.	12	28 5.5	74	45	85.4
USA917	FK10	t	7587.	4.8	305.4	300.	7560.	12	42 13.9	63	33	73.0
AAL539	MD80	t	8395.	10.5	324.2	290.	8254.	12	54 13.3	68	26	76.8
COA1011	DC9	t	9251.	15.4	292.6	260.	8920.	16	21 30.7	71	32	81.4
AAL263	H/DC10	t	8319.	19.0	295.5	249.	7868.	16	40 25.7	80	15	87.0
DAL489	B727	t	7173.	9.5	300.7	265.	7075.	16	44 38.5	76	35	86.3
USA893	B727	t	9849.	29.3	288.5	246.	8593.	16	59 2.9	73	35	83.3
COA225	H/A300	t	7628.	22.1	298.3	310.	7070.	17	1 11.6	68	31	77.8
DAL659	B727	t	7439.	16.1	287.7	282.	7148.	17	46 23.2	73	45	85.0
N3002D	SW4	a	3061.	26.8	69.6	218.	2731.	18	39 1.6	61	30	70.3
AAL1543	MD80	t	10522.	7.6	294.3	293.	10430.	18	59 10.6	63	42	75.1
USA1567	DC9	t	6897.	28.8	272.2	252.	6042.	19	8 8.8	71	50	82.3
COA1709	B727	t	9084.	17.5	308.6	218.	8666.	19	26 53.1	71	60	83.9
N77CP	DA50	t	2749.	3.1	214.2	267.	2745.	22	12 7.4	63	22	73.3



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Table B1-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UAL185	H/DC10	t	7035.	25.7	301.5	271.	6337.	10 5 33.8	66	33	77.0
DAL419	B727	t	7241.	10.9	279.1	260.	7110.	10 7 14.2	77	14	83.8
DEN1M69	T37	t	4758.	9.1	153.5	267.	4698.	10 35 4.9	69	25	78.5
COA699	B727	t	5806.	9.7	284.2	241.	5723.	11 6 57.4	76	38	88.0
COA309	MD80	t	9909.	15.3	281.1	270.	9557.	11 14 27.6	67	30	76.8
COA297	B727	t	8033.	20.5	282.8	140.	7526.	11 58 26.9	73	42	83.9
COA773	MD80	t	7356.	10.8	306.6	255.	7225.	12 11 9.0	69	38	80.1
UAL191	H/B767	t	7918.	12.7	299.6	256.	7724.	12 25 17.0	62	36	73.2
USA684	FK10	t	7885.	18.3	293.9	231.	7485.	12 33 12.0	61	79	75.9
BTA3439	AT42	t	4853.	6.0	234.2	184.	4827.	13 55 33.4	62	20	70.1
AL03717	SHD3	t	7158.	28.1	251.8	115.	6317.	16 9 8.8	62	12	67.6
BTA3595	AT42	t	3895.	12.0	256.0	239.	3809.	19 47 33.3	64	34	74.8
BTA3577	AT42	t	7649.	27.1	247.2	209.	6809.	20 58 11.2	62	41	74.0
COA369	DC9	a	3286.	5.5	163.3	309.	3271.	22 21 33.1	65	25	74.7



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Table B1-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
BTA3541	E120	t	5932.	11.6	312.1	244.	5811.	8 4 7.9	61	31	72.6
BTA3481	AT42	t	5454.	5.3	291.4	165.	5431.	8 52 4.8	61	36	71.7
NWA665	DC9	t	6461.	16.9	299.1	281.	6182.	12 47 29.1	73	23	80.6
USA1457	B737	t	14961.	17.4	222.8	403.	14274.	15 13 15.1	61	30	71.0
BTA3537	E120	a	2827.	6.4	168.0	208.	2809.	17 50 23.1	65	24	73.6
N750G	G159	t	4151.	23.4	266.4	219.	3809.	19 48 3.6	67	21	76.5
COA849	B737	t	9877.	14.3	289.9	288.	9571.	20 36 5.4	66	47	77.1
USA2369	DC9	t	7959.	8.3	303.4	275.	7875.	20 46 38.0	69	46	80.0
DAL349	B727	t	8442.	6.8	290.9	280.	8382.	21 6 9.3	68	68	83.0
COA477	MD80	t	10411.	4.5	292.7	276.	10378.	21 19 5.6	60	89	74.2
DAL241	H/B767	t	11696.	22.5	291.9	256.	10809.	21 26 0.5	60	104	76.0
COA603	B73s	a	4185.	24.5	55.9	281.	3809.	21 37 21.6	62	36	73.5
COA658	B727	a	2994.	20.2	55.1	249.	2809.	21 45 20.6	69	25	79.5
FDX279	H/DC10	t	8435.	21.0	292.9	271.	7877.	22 8 24.1	62	59	75.1



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Table B1-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
SCOTCH PLAINS, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
AWE110	B757	t	9588.	17.2	299.5	249.	9158.	0 12 18.1	55	102	69.3

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Table 82-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HONG	SPD	RELAT	DST TIME	LAmx	DUR(s)	SEL(dBA)
AAL139	B727	t	10980.	15.4	323.6	363.	10584.	6 31 13.1	63	73	78.4
COA210	H/A300	a	3426.	10.5	95.7	322.	3369.	6 43 39.4	67	26	77.5
COA1013	B727	t	9244.	3.7	356.4	291.	9225.	7 46 57.3	57	60	70.0
AWE606	B735	o	15658.	5.7	264.0	370.	15581.	8 1 10.2	57	65	70.7
BTA3406	A142	a	4462.	16.5	58.0	226.	4279.	8 7 32.6	56	71	69.4
COA1233	MD80	o	16429.	13.4	287.0	279.	15983.	9 17 6.7	52	77	64.4
UAL500	H/DC10	a	5459.	27.3	111.1	184.	4850.	9 27 3.5	56	37	67.7
N44LC	C501	a	5604.	22.5	42.4	336.	5179.	9 28 7.0	55	33	66.9
UAL383	B727	o	13900.	8.8	261.4	459.	13736.	9 30 43.1	57	92	71.8
N3829G	C310	a	3443.	20.1	91.4	190.	3233.	10 0 11.3	60	35	69.1
WSA205	CV58	t	8718.	25.3	332.2	238.	7880.	10 8 22.1	61	42	73.4
COA704	B737	a	5752.	27.2	119.2	144.	5116.	10 39 6.6	56	36	67.8
N37437	C414	a	3142.	27.8	136.2	196.	2779.	11 30 48.4	59	26	68.2
UAL258	B727	a	5180.	16.0	46.1	231.	4979.	12 13 46.2	63	27	73.7
UAL454	B757	a	5635.	20.5	57.1	294.	5279.	13 15 36.0	60	22	67.7
USA554	DC9	a	5357.	9.8	34.6	311.	5279.	13 51 29.1	59	53	71.2
COA651	B737	t	9414.	9.7	333.3	337.	9279.	14 0 50.6	59	63	71.3
COA660	B737	a	5041.	15.0	56.6	249.	4869.	14 4 50.5	57	52	69.9
DAL800	B757	a	5303.	5.5	48.0	301.	5279.	14 27 34.0	56	34	65.4
PRE3553	D082	a	4358.	10.9	38.3	187.	4279.	14 32 10.5	60	28	70.4
COA870	B737	a	5414.	11.1	117.5	151.	5312.	14 42 21.5	62	25	71.3
USA488	B735	a	5372.	13.2	60.7	254.	5230.	15 3 50.5	61	31	70.9
COA330	B735	a	4925.	27.3	95.6	212.	4376.	15 43 40.4	60	28	71.4
COA299	MD80	a	5249.	15.9	48.6	239.	5048.	15 51 45.6	58	34	67.8
COA536	B737	a	4893.	4.3	27.5	253.	4879.	16 39 35.0	65	20	72.5
N48R	DA02	a	1832.	7.7	102.2	219.	1815.	17 5 29.2	61	20	70.6
COA1527	DC9	o	18624.	1.8	266.4	465.	18615.	17 6 10.4	56	56	68.5
USA1042	B73F	a	4379.	0.5	30.3	251.	4379.	17 17 9.1	60	33	71.2
COA716	B737	a	5309.	6.1	47.4	258.	5279.	17 40 29.6	57	52	70.6
USA1595	B735	a	5527.	17.2	47.6	250.	5279.	17 45 13.6	58	35	69.0
COA828	H/EA30	a	5572.	18.7	46.7	273.	5279.	17 54 39.8	66	34	76.5
COA1640	B727	a	4827.	16.5	35.0	229.	4627.	17 56 56.3	61	27	71.4
NWA30	B727	a	5397.	13.5	108.9	147.	5248.	18 13 49.2	61	32	72.7
AAL325	MD80	t	9838.	19.4	320.9	326.	9279.	18 46 19.6	57	43	69.5
COA619		a	4505.	21.9	13.2	244.	4179.	18 52 59.6	66	24	76.1
USA1149	B73F	o	16513.	9.7	264.9	357.	16279.	18 58 55.4	56	55	68.5
TWA161	B727	o	15513.	16.4	265.0	370.	14879.	19 5 48.0	54	86	68.9
USA1017	B73F	a	4945.	18.9	29.4	279.	4679.	19 30 38.5	58	45	70.4
DAL600	H/B767	a	4884.	2.5	59.5	161.	4879.	19 41 33.2	58	49	70.5
AAL153	B727	t	12982.	27.6	324.0	364.	11502.	19 45 57.2	60	84	74.6
COA644	B737	a	4837.	18.9	43.5	276.	4576.	22 4 37.4	59	50	70.2
USAB0	B735	a	5509.	19.9	55.5	357.	5179.	22 10 54.4	61	35	72.2
USA366	B73F	a	4387.	13.2	78.1	297.	4271.	22 52 50.4	63	25	72.1
TWA70	B727	a	4057.	18.4	90.7	322.	3850.	23 15 22.4	66	20	75.3
UAL158	H/B747	a	4973.	25.1	82.8	253.	4504.	23 18 54.7	59	38	69.5
FDX577	B727	a	5434.	26.9	86.2	330.	4846.	23 47 42.7	57	41	70.1



Table B2-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HONG	SPD	RELAT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
ZAN954	L188	a	5828.	22.9	70.1	277.	5366.	7 31	6.7	66	27	77.5
COA788	DC9	a	4513.	3.8	70.1	232.	4503.	7 52	42.8	58	55	71.4
COA844	DC9	a	5629.	20.7	72.4	257.	5264.	7 57	27.3	58	43	70.0
COA862	MD80	a	5734.	23.0	70.6	286.	5279.	8 2	8.0	62	38	73.6
N332DE	BE90	a	6032.	28.9	85.6	200.	5279.	8 32	12.9	59	50	69.8
COA848	B737	a	5686.	18.9	54.4	207.	5379.	8 33	36.8	62	30	72.5
DAL1286	B727	a	5276.	11.0	34.6	287.	5179.	8 49	5.6	61	45	74.2
AAL85	H/DC10	o	15311.	28.7	250.2	350.	13430.	9 47	46.6	63	27	73.2
COA224	B727	a	4858.	3.8	31.1	337.	4848.	9 50	11.6	63	22	72.3
AAL1672	MD80	a	5085.	11.7	47.8	192.	4979.	9 53	30.8	59	27	69.8
USA1535	DC9	a	5884.	26.4	56.3	250.	5272.	10 2	34.3	58	34	69.5
N26586	C421	a	3402.	15.5	34.2	233.	3279.	11 45	15.6	62	27	71.9
COA376	B727	a	5384.	4.8	15.3	201.	5365.	13 55	18.7	63	39	73.5
COA466	MD80	a	4925.	9.4	70.7	232.	4859.	14 0	29.0	69	21	74.9
COA660	B737	a	5530.	15.7	119.8	129.	5324.	14 6	26.2	57	26	67.4
UAL968	B727	a	4336.	9.3	79.8	337.	4279.	14 15	11.1	66	39	77.4
COA632	H/A300	a	4790.	24.0	56.6	255.	4377.	14 40	27.5	65	26	74.0
BTA3518	A142	a	5931.	29.9	80.6	300.	5142.	14 46	58.5	60	12	66.6
NWA366	H/DC10	a	5036.	12.0	57.5	206.	4925.	14 50	44.7	58	45	69.9
USA398	B735	a	4932.	25.9	61.0	259.	4438.	15 3	49.0	59	33	69.8
COA763	B735	a	4400.	13.5	51.1	241.	4279.	15 5	46.7	61	27	71.8
USA488	B735	a	5147.	24.6	34.5	226.	4679.	15 11	2.8	62	26	71.6
MEP272	DC9	a	5409.	12.6	66.1	196.	5279.	15 48	14.0	59	36	70.2
UAL4	H/B767	a	4975.	13.8	47.7	298.	4831.	16 33	18.4	58	36	69.0
N28CG	G159	a	4296.	8.0	117.6	114.	4254.	16 47	35.6	64	23	72.2
COA318	B727	a	4766.	16.3	20.6	264.	4575.	16 48	51.4	60	33	71.7
NWA364	DC9	a	4977.	23.1	61.3	274.	4578.	17 15	58.1	58	41	68.9
COA1298	B737	a	5179.	18.7	30.3	310.	4906.	17 18	17.6	62	23	71.4
UAL536	B727	a	5187.	23.9	51.2	236.	4742.	17 21	23.8	62	25	72.7
COA298	DC9	a	4779.	0.2	72.0	326.	4779.	17 28	49.4	58	30	69.8
BTA3462		a	2309.	9.2	153.3	218.	2279.	17 44	18.7	69	19	77.5
MID381	DC9	o	13097.	3.4	270.3	398.	13074.	18 34	39.5	60	57	72.6
AAL375	H/DC10	o	15659.	12.3	247.9	497.	15299.	18 45	46.8	59	32	69.3
NWA253	B727	t	11864.	18.1	332.3	326.	11279.	19 9	19.5	59	55	72.3
COA322	MD80	a	5114.	9.1	99.6	128.	5049.	19 16	24.0	60	34	70.1
N34CD	CL60	a	1888.	19.6	95.5	273.	1779.	19 22	34.2	67	16	75.0
AAL1048	B727	a	4751.	21.9	60.6	277.	4407.	19 26	24.6	64	24	73.3
PCA3637	BE02	o	8172.	28.5	209.1	260.	7179.	19 40	42.2	56	35	67.1
COA290	B727	a	4338.	2.7	75.5	276.	4333.	20 14	1.3	64	31	75.4
AAL255	H/DC10	o	17415.	20.8	254.1	506.	16279.	20 18	33.4	59	33	69.8
COA118	H/A300	a	5396.	12.6	83.7	253.	5265.	20 28	24.7	66	26	75.1
UAL278	B757	a	5082.	2.6	79.5	288.	5077.	20 35	4.2	53	57	66.8
DAL288	H/B767	a	5567.	19.7	116.0	143.	5241.	20 51	15.5	57	49	69.3
COA350	H/A300	a	4682.	6.9	75.6	275.	4648.	22 12	38.5	68	25	75.1
COA644	B737	a	5898.	26.5	73.8	243.	5279.	22 22	43.2	60	40	70.2
UAL778	H/B767	a	4745.	11.2	108.0	223.	4655.	23 28	12.2	58	37	69.0
NWA398	B727	a	4502.	17.7	93.4	299.	4289.	23 45	55.8	64	17	70.0



Table B2-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA6262	MD80	a	5516.	6.1	105.5	327.	5485.	2 8 47.8	58	24	66.4
FDX581	B727	a	3983.	5.8	94.5	310.	3963.	2 39 3.6	61	29	72.1
TWA427	B727	o	14579.	8.8	256.8	496.	14408.	7 40 30.6	61	73	74.4
COA379	B73S	t	10206.	24.6	321.6	264.	9279.	7 53 53.1	61	43	72.9
COA862	MD80	a	5917.	27.5	90.3	243.	5250.	7 59 25.1	59	40	71.2
AAL1357	B727	o	12855.	13.9	239.9	339.	12480.	8 18 12.5	59	77	73.6
COA848	B737	a	5423.	26.4	63.2	263.	4858.	8 30 19.9	62	29	72.8
NWA360	B727	a	5195.	23.6	63.2	234.	4762.	8 34 37.8	62	31	73.5
USA1035	DC9	o	17540.	24.0	260.3	329.	16023.	9 20 5.2	55	101	68.9
BTA3693	AT42	a	2383.	17.0	145.9	230.	2279.	9 32 30.4	67	18	77.0
N8805	DA05	a	3101.	17.6	47.9	152.	2956.	9 51 29.1	63	27	73.2
USA188	B73F	a	4891.	23.7	86.7	269.	4479.	11 14 56.0	62	19	70.2
USA423	DC9	o	14355.	27.4	253.1	435.	12742.	12 1 5.9	57	70	70.9
COA727	B737	a	5707.	22.3	26.8	248.	5279.	12 7 20.3	65	33	75.5
UAL258	B727	a	5392.	12.1	73.0	145.	5271.	12 9 3.2	59	50	71.3
TWA149	H/L101	o	15189.	7.5	274.3	376.	15060.	13 9 47.0	56	35	66.5
N250RA	DA20	a	5946.	25.2	43.1	284.	5379.	13 33 45.1	60	32	70.5
BTA3412	E120	a	4412.	8.4	108.5	154.	4365.	14 41 4.9	57	35	68.2
UAL968	B727	a	5361.	18.1	56.3	335.	5097.	14 44 0.3	65	23	73.5
BTA3572	AT42	a	4380.	1.1	28.8	289.	4379.	14 51 21.9	63	27	71.5
COA632	H/A300	a	6111.	28.3	49.5	265.	5379.	14 54 29.3	63	23	71.8
DAL662	B727	a	5805.	24.6	60.0	229.	5279.	15 14 6.1	65	29	74.4
UAL840	B727	a	4385.	2.9	80.0	335.	4379.	17 8 14.9	65	28	76.0
N31DA	C550	t	9300.	6.4	318.0	347.	9242.	17 24 28.5	65	22	73.4
USA1263	B73S	a	5598.	26.7	78.9	289.	5000.	17 57 3.1	60	88	75.5
COA694	DC9	a	5491.	12.8	47.6	318.	5354.	17 57 54.0	63	14	68.8
N444RL	BE10	a	2520.	12.3	124.8	158.	2462.	18 3 36.9	63	24	71.7
COA828		a	5282.	1.9	57.1	287.	5279.	18 17 43.4	64	30	73.6
NWA981	B727	o	15035.	16.9	254.0	406.	14384.	18 34 47.2	59	96	74.7
USA1149	B73F	o	16581.	17.8	258.8	454.	15783.	18 42 42.2	58	45	70.1
UPS2914	H/DC87	a	5039.	15.0	93.0	193.	4867.	18 53 18.8	59	50	71.8
DAL333	B727	o	12688.	16.3	256.9	362.	12179.	19 27 35.1	61	85	75.8
USA777	B73F	a	4693.	22.9	62.8	259.	4322.	19 45 30.8	63	30	73.8
COA324	MD80	a	5265.	22.1	61.6	373.	4879.	19 56 50.0	60	55	72.3
UAL126	H/DC10	a	5355.	13.1	52.8	284.	5216.	20 40 36.2	65	38	77.6
MEP276	DC9	a	4991.	3.1	65.1	220.	4984.	20 56 17.8	59	45	70.2
DAL288	H/B767	a	4848.	6.4	62.8	296.	4818.	20 59 14.4	57	57	69.5
COA350	H/A300	a	5092.	21.1	117.4	157.	4751.	21 2 45.5	62	32	73.0
COA838	H/EA30	a	5080.	11.5	68.5	301.	4979.	21 58 0.1	63	35	73.7
COA1170	B727	a	3388.	4.1	100.4	323.	3379.	22 40 21.1	65	24	74.5
UAL366	B727	a	3520.	16.3	91.4	268.	3379.	22 54 43.8	69	22	77.8
NWA398	B727	a	4293.	5.2	85.7	262.	4275.	23 39 23.2	59	37	70.6



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December 20, 1991

Table B2-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
ZAN942	CV64	a	3778.	13.4	116.0	176.	3675.	5 46 58.4	70	19	78.8
BTA3542		a	3236.	28.6	155.7	278.	2841.	7 10 19.9	66	22	75.8
N2BCG	G159	a	5769.	23.8	84.2	255.	5279.	7 37 2.3	67	23	75.4
AAL1357	B727	o	13364.	9.5	246.0	379.	13182.	8 11 29.1	59	121	75.7
N740F	LR24	a	4547.	15.6	58.2	249.	4379.	8 38 9.9	65	30	76.1
COA379	B73S	t	11310.	18.3	326.2	300.	10740.	8 59 33.0	61	68	74.2
N6320C	PA28	a	2369.	15.8	62.8	207.	2279.	9 9 6.0	64	30	74.6
COA607	B727	a	6023.	28.8	63.0	280.	5279.	9 29 36.3	63	34	74.4
N43JA	MO20	o	2572.	27.6	357.6	130.	2279.	9 46 38.2	62	24	71.4
BTA3544	E120	a	2440.	12.8	141.3	283.	2379.	9 52 10.0	70	12	75.9
N200GX	HS25	a	5475.	11.3	52.6	331.	5369.	10 31 53.4	54	33	64.8
N946FP	LR55	a	3238.	29.9	75.1	221.	2807.	10 59 43.2	64	13	70.1
N179T	G2	a	5504.	16.4	22.3	396.	5279.	12 1 37.4	62	24	71.2
COA1286	B73S	a	5776.	24.0	42.4	281.	5279.	12 13 15.1	58	27	66.8
COA825	B737	a	5300.	5.1	29.5	339.	5279.	12 15 58.2	56	43	66.8
BTA3570	AT42	a	4425.	14.8	28.6	208.	4279.	12 25 1.9	63	29	73.2
COA380	MD80	a	5329.	7.9	22.8	345.	5279.	13 50 8.5	59	36	70.2
COA546	DC9	a	5383.	2.1	71.4	262.	5379.	15 7 35.3	61	30	70.9
N250RA	DA20	t	9545.	13.6	281.9	330.	9279.	15 24 8.3	66	18	73.7
COA299	MD80	a	5158.	21.6	15.5	240.	4797.	15 46 42.1	59	27	69.3
UAL536	B727	a	5744.	23.2	52.4	270.	5279.	17 5 47.1	62	30	73.1
N6320C	PA28	t	3309.	7.7	2.8	185.	3279.	18 2 2.3	63	21	70.7
BTA3576	AT42	a	4399.	5.5	60.4	320.	4379.	19 17 10.0	60	34	71.1
TWA316	H/L101	a	5181.	12.2	114.7	148.	5063.	19 51 42.4	62	34	73.0
USA447	B73S	a	5170.	18.5	45.7	356.	4902.	20 25 16.7	61	39	72.7
DAL288	H/B767	a	4383.	12.5	77.6	300.	4279.	20 41 55.6	59	40	71.3
COA290	B727	a	4591.	12.7	87.4	255.	4479.	20 48 36.9	63	30	74.1
MEP276	DC9	a	4940.	14.8	105.7	185.	4777.	20 52 57.9	60	36	71.3
COA554	B737	a	5369.	10.5	82.2	260.	5279.	21 1 59.3	58	61	71.4
COA1248	B737	a	5360.	10.0	72.1	338.	5279.	21 17 41.5	59	37	71.5
ARU724	B727	a	5581.	27.9	100.1	224.	4931.	21 20 52.8	57	43	69.0
USA1404	B73F	a	5182.	1.9	13.0	286.	5179.	22 2 50.0	58	53	70.0
AAL674		a	5287.	12.5	79.5	242.	5162.	22 4 6.2	62	32	72.5
NWA368	H/DC10	a	5424.	13.3	78.4	276.	5279.	22 25 40.4	61	34	72.2



Table B2-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA210	H/A300	a	4418.	9.4	100.7	275.	4359.	6 40 43.8	65	25	75.5
ABX176	H/DC8	a	7450.	21.3	99.9	273.	6941.	6 51 28.4	60	33	70.7
COA654	B737	a	6045.	29.5	78.6	280.	5261.	7 58 7.8	58	42	69.3
USA606	B73S	a	4727.	25.2	71.6	252.	4279.	8 5 13.8	62	27	71.8
COA331	B737	t	13745.	24.5	341.5	305.	12503.	8 49 16.3	60	74	74.1
MID403	DC9	t	15770.	9.6	275.7	326.	15551.	9 11 57.1	57	55	69.5
USA1035	DC9	t	14436.	22.9	270.9	380.	13297.	9 24 59.7	56	72	70.2
COA451	MD80	t	16301.	3.0	269.2	293.	16279.	9 38 10.4	61	32	70.2
COA542	MD80	a	5299.	5.0	50.6	255.	5279.	9 41 34.8	62	53	74.6
COAB48	B737	a	5589.	20.6	108.1	145.	5232.	9 46 17.8	57	39	69.1
UAL383	B727	t	14966.	13.7	279.3	370.	14540.	10 5 58.8	62	73	76.2
COA1772	B737	a	4496.	17.9	68.6	349.	4279.	10 21 53.6	64	22	72.0
USA1128	DC9	t	12162.	24.0	269.9	415.	11113.	11 47 52.3	59	46	70.1
COA566	B737	a	4451.	16.0	64.9	285.	4279.	12 2 28.1	59	35	70.3
COA308	B727	a	5196.	24.4	115.8	160.	4733.	12 4 13.5	57	55	69.2
MID193	DC9	t	13532.	18.1	265.7	414.	12866.	12 44 29.1	56	61	69.3
MID387	DC9	t	13501.	25.6	269.5	378.	12179.	14 24 51.2	59	36	69.8
AAL25	H/DC10	t	15399.	6.0	241.4	421.	15313.	15 35 55.7	53	73	66.6
COA171	H/A300	t	11848.	14.3	339.4	371.	11479.	15 41 31.7	60	48	72.8
N90CP	G2	t	13844.	14.5	247.6	392.	13405.	16 14 50.7	53	68	66.2
UAL6	H/B767	a	21773.	23.8	136.9	262.	19915.	16 25 5.2	58	35	68.4
MEP305	DC9	a	4867.	13.7	57.2	315.	4728.	16 51 18.5	61	24	69.2
COA444	B727	a	5179.	0.2	62.4	304.	5179.	17 1 59.5	62	24	71.7
COA123	MD80	t	14704.	5.3	262.2	296.	14641.	17 34 27.8	62	27	71.2
UAL677	B727	t	10572.	23.3	342.5	309.	9711.	18 54 34.2	65	45	77.1
BTA3589	E120	t	8787.	19.6	358.2	332.	8279.	19 6 42.3	57	45	68.8
DAL424	H/B767	a	5737.	28.3	68.0	205.	5053.	19 10 54.0	54	47	67.4



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Table B2-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LMax	DUR(s)	SEL(dBA)
NWA766	B757	a	4541.	13.1	73.6	285.	4423.	10 42 44.6	56	43	68.2
DAL204	B757	a	4994.	14.5	63.0	274.	4834.	10 44 8.7	57	33	67.8
USA1647	DC9	a	4674.	24.4	67.3	315.	4256.	11 4 2.3	61	26	70.0
COA1063	MD80	t	13403.	14.2	276.6	277.	12991.	11 12 1.4	62	79	75.8
NWA362	B727	a	5433.	8.1	81.9	260.	5379.	11 41 21.3	67	35	76.7
DAL194	B757	a	5616.	18.4	101.4	148.	5328.	12 12 31.0	58	43	69.2
TWA209	B727	t	14751.	24.8	259.5	385.	13389.	15 12 48.8	63	33	73.2
USA482	B73S	t	12680.	12.3	282.6	283.	12391.	16 41 11.8	58	41	70.6
COA711	B73S	t	12297.	6.2	321.0	302.	12227.	16 45 38.3	56	78	69.7
USAB93	B727	t	11474.	25.7	258.4	336.	10336.	17 17 26.5	68	54	80.7
COA225	H/A300	t	10743.	15.0	272.8	372.	10379.	17 29 2.7	58	42	70.7
COA269	H/A300	o	10383.	8.4	303.9	264.	10271.	18 2 17.5	64	31	74.0
USA279	FK10	t	15489.	27.1	269.4	269.	13787.	18 7 33.4	60	30	71.3
BTA3563	AT42	a	3982.	2.7	143.7	265.	3977.	18 24 0.0	63	23	73.1
COA677	B737	a	5652.	27.0	178.1	220.	5036.	18 53 57.6	58	36	68.9
N55957	PA32	a	2518.	25.2	210.0	158.	2279.	18 58 43.2	62	25	71.4
COA676	B737	a	5284.	2.5	179.3	272.	5279.	19 22 32.7	62	30	72.4
N30234	BE20	t	14107.	19.7	271.4	169.	13279.	21 44 17.5	56	32	66.5
USA406	FK10	a	5280.	1.3	171.7	285.	5279.	21 55 38.8	59	29	68.7



Table B2-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
BTA3580	E120	a	5346.	19.1	162.1	256.	5052.	6 51 29.1	58	33	69.0
SDU721	E120	o	11762.	14.3	260.8	220.	11396.	7 10 31.9	57	37	68.1
MID385	DC9	t	14731.	14.2	266.7	373.	14279.	7 24 21.4	54	84	68.4
USA1029	DC9	a	5290.	3.6	159.7	235.	5279.	7 37 34.2	65	32	75.7
USA346	B73F	t	16535.	10.1	268.7	307.	16279.	7 40 23.0	58	33	69.9
COA445	B727	t	13582.	17.6	289.2	276.	12944.	7 41 18.4	55	112	72.4
ACA780	DC9	a	5501.	16.3	189.0	271.	5279.	7 49 52.8	67	24	76.7
USA764	DC9	a	5397.	12.0	180.0	296.	5279.	7 52 34.3	65	29	75.1
BTA3501	AT42	a	2328.	11.8	222.6	247.	2279.	9 54 6.6	66	22	76.5
COA315	MD80	a	5385.	12.0	147.1	196.	5267.	11 27 43.3	61	32	71.7
N83CP	LR35	a	2364.	17.7	140.4	274.	2252.	11 41 36.8	65	13	72.1
USA2369	DC9	a	5288.	11.6	201.4	290.	5179.	18 9 6.0	61	34	72.3
COA623	B727	t	10346.	16.7	318.2	307.	9910.	20 23 29.8	61	86	76.1
COA554	B737	a	5542.	17.7	73.0	340.	5279.	20 56 46.9	61	41	72.6
COA350	H/A300	a	5020.	26.8	86.8	287.	4479.	21 0 19.8	65	26	75.5
COA204	H/A300	a	4930.	18.7	85.9	280.	4669.	21 2 55.4	64	30	74.2
COA644	B737	a	5449.	14.4	92.2	295.	5279.	22 20 43.9	57	47	69.0
TWA70	B727	a	5331.	12.2	84.3	312.	5211.	23 33 51.9	60	52	72.7



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Table B2-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
DENVER, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LMax	DUR(s)	SEL(dBA)
COA838	H/A300	a	6171.	8.8	92.3	296.	6099.	0 16 32.8	61	34	72.8
NWA378	B727	a	4394.	4.7	91.6	243.	4379.	0 23 24.2	65	32	76.3
COA1170	B727	a	6455.	22.1	91.1	283.	5979.	0 38 54.2	58	38	69.4
UAL8002	B727	a	4884.	5.9	85.0	310.	4858.	0 53 27.9	63	28	73.7
COA729	B737	t	12056.	29.4	262.9	340.	10501.	7 40 4.6	60	109	75.7
USA764	DC9	a	5725.	10.1	142.7	145.	5636.	8 0 40.2	58	43	70.2
USA1597	B737	t	17237.	25.3	249.7	332.	15577.	9 7 29.3	57	78	72.3
COA748	DC9	a	5886.	26.2	183.4	336.	5279.	9 23 34.2	62	33	71.8
COA402	DC9	a	5421.	7.1	174.2	295.	5379.	9 36 47.6	62	38	74.0
USA1821	B737	t	17183.	20.6	249.6	425.	16079.	10 36 41.8	69	18	78.6

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Table B3-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UPS1084	H/DC87	a	6448.	28.5	205.9	136.	1124.	5 21 34.0	60	29	70.5
UAL138	B73S	a	5916.	19.3	190.9	187.	1542.	5 32 21.7	59	52	72.6
EJA134	C550	t	3892.	3.6	212.4	195.	3884.	5 51 24.7	62	41	73.9
UPS1074	H/B747	a	6524.	28.2	204.0	72.	1212.	6 14 11.9	66	17	72.3
COA248	B727	a	6497.	28.5	207.0	169.	1084.	9 58 3.5	68	62	80.8
COA788	DC9	t	8021.	14.5	91.4	268.	7764.	11 10 41.0	72	40	84.5
BTA4912	AT42	t	6317.	18.4	85.5	184.	5992.	11 31 39.4	67	18	74.4
COA1772	B737	t	6891.	24.2	72.4	263.	6285.	11 47 14.0	72	37	81.6
NWA362	DC9	a	7894.	19.2	190.9	176.	1784.	11 58 17.0	57	33	67.4
BTA4902	ATR2	a	8059.	22.4	184.9	159.	1584.	12 3 32.0	72	22	81.9
COA812	B737	a	7242.	19.9	189.9	164.	1884.	13 38 9.0	58	25	68.5
COA1773	B737	a	10571.	16.5	191.3	117.	2044.	13 55 13.7	61	16	67.5
SAS912	H/B767	t	7475.	18.6	58.9	286.	7086.	19 9 53.1	69	29	80.4
COA28	H/B747	t	5760.	14.5	57.0	286.	5576.	20 39 42.6	74	28	84.9
AAL164	H/B767	a	6518.	28.3	206.0	169.	1040.	22 7 29.8	57	37	68.2
AAL674		a	6478.	24.9	200.4	158.	1456.	22 26 8.4	61	40	72.8



Table B3-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA204	H/A300	a	1980.	8.4	137.4	168.	1959.	0 5 50.3	73	31	85.1
FDX800	B727	a	4925.	18.4	189.3	127.	1276.	4 39 55.4	62	34	71.0
COA342	B73S	a	5001.	20.3	166.9	223.	1418.	5 47 10.0	58	48	70.6
ABX176	H/DC8	a	1416.	24.9	122.6	175.	1284.	6 0 46.1	83	13	89.9
UPS1084	H/DC87	a	6638.	29.9	208.0	183.	1284.	6 31 6.3	59	38	70.4
BTA3438	AT42	a	6758.	28.9	206.6	170.	1116.	7 10 24.7	57	47	67.9
COA860	B737	t	9429.	9.6	48.6	321.	9298.	9 31 27.9	66	37	76.1
COA848	B737	t	6320.	17.7	45.2	251.	6019.	9 43 46.8	71	39	83.5
COA592	B727	t	5928.	10.1	42.7	277.	5837.	13 38 26.2	80	29	89.7
COA1778	DC9	a	6362.	25.5	201.0	204.	1359.	15 2 24.6	71	23	80.9
COA877	B727	a	6349.	28.4	205.2	157.	1484.	15 23 32.4	66	28	76.8
USA1564	DC9	a	5414.	25.4	201.6	211.	984.	15 53 39.0	59	39	69.4
UCA843	BE02	a	6501.	24.3	198.5	158.	1784.	17 11 13.0	71	38	77.7
COA877	B737	a	6386.	28.2	205.3	169.	1084.	18 53 51.0	71	48	83.9
COA50	H/DC10	t	8237.	27.4	60.9	294.	7314.	20 21 12.8	66	53	79.4
COA366	MD80	t	7946.	22.8	34.9	261.	7325.	20 55 43.0	65	48	77.1
UPS1053	B727	a	6486.	28.5	207.2	158.	984.	22 35 17.3	55	30	66.8
COA1170	B727	a	6222.	24.8	202.3	125.	1076.	22 56 55.7	59	40	71.6
COA382	DC9	t	8470.	16.2	27.2	266.	8134.	23 10 6.2	65	58	78.4
FDX578	B727	a	1385.	2.0	140.2	155.	1384.	23 41 54.0	78	24	87.5
COA782	H/A300	a	1693.	26.1	128.3	232.	1521.	23 47 40.5	78	19	87.0



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Table B3-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
UAL302	H/DC10	a	3156.	25.8	183.1	144.	1353.	0 32	6.2	70	33	79.9
FDX581	B727	a	1548.	26.0	128.9	195.	1391.	2 43	44.7	78	17	86.2
USC151	LR25	t	7173.	28.6	254.5	315.	6299.	2 59	2.4	60	54	72.4
UPS1076	B757	a	1744.	10.5	122.4	149.	1715.	3 46	56.5	84	11	84.0
DAL292	H/B767	a	6487.	29.3	206.6	102.	1113.	5 49	50.5	83	29	94.3
COA210	H/A300	a	6591.	27.8	205.9	183.	1184.	6 52	54.4	63	26	72.6
COA372	B737	a	6550.	24.1	202.3	146.	1084.	10 19	43.5	74	32	83.7
USA1647	DC9	t	6913.	5.1	59.2	354.	6886.	12 15	1.0	70	43	81.4
COA782	H/A300	a	3542.	26.1	170.9	147.	1510.	23 40	47.5	62	68	75.2



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Table B3-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
AAL168	B727	a	1222.	19.8	129.3	167.	1150.	0 24	23.7	79	18	86.8
DAL396	MD88	a	1357.	8.1	100.6	157.	1343.	1 1	18.1	71	23	80.6
FDX581	B727	a	1931.	24.4	156.3	167.	1758.	2 38	8.3	74	23	83.9
FDX602	H/DC10	a	1078.	18.0	133.3	203.	1025.	6 4	1.0	84	13	91.3
N320M	LR35	t	5285.	21.7	234.2	227.	4910.	6 37	42.1	63	37	74.1



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Table B3-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA332	MD80	a	7816.	10.1	176.2	181.	1365.	12 9 43.5	62	27	70.3
BTA3424	E120	t	6713.	22.5	0.8	196.	2565.	13 27 11.2	63	18	69.9
AAL881	B727	t	2914.	10.5	275.7	227.	2865.	14 0 21.3	87	18	94.5
UAL1261	B737	t	4887.	28.0	277.7	214.	4317.	15 18 17.0	79	27	87.4
COA550	DC9	t	6256.	8.1	73.6	293.	6194.	16 39 32.4	72	33	82.7
BAW185	H/B747	a	5943.	27.5	205.6	156.	1065.	17 30 18.2	62	42	73.2
BTA3710	AT42	t	5757.	15.0	33.5	178.	5562.	18 20 21.1	62	36	72.5
BTA3523	E120	t	2915.	20.8	314.6	172.	2726.	20 8 21.1	50	39	59.9
COA671	MD80	t	3837.	9.1	184.8	208.	3788.	20 16 12.5	59	31	69.3
COA56	H/B747	t	6392.	18.0	13.2	208.	1365.	20 29 25.5	53	36	63.1
DAL241	H/B767	t	3425.	9.1	283.4	225.	3383.	20 49 41.2	53	27	64.0
COA843	B737	t	3833.	28.4	299.0	221.	3372.	23 4 55.9	55	45	67.9



Table B3-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	Lmax	DUR(s)	SEL(dBA)
UAL209	B727	t	3968.	28.5	304.1	195.	3488.	9 45 32.6	78	34	89.1
AAL561	B757	t	3176.	14.9	323.6	232.	3069.	9 51 31.2	69	26	79.2
N315MC	G4	t	3408.	16.7	232.1	207.	3265.	9 56 15.4	67	28	77.8
COA378	B727	a	5712.	26.4	203.3	191.	1265.	10 37 25.8	62	24	70.4
DENIM69	T37	t	6874.	5.5	63.8	259.	6842.	10 39 17.8	63	51	75.4
N4EM	AJ25	t	4538.	11.7	100.8	296.	4443.	10 47 7.9	59	45	70.8
COA356	MD80	t	4407.	17.2	19.8	209.	4209.	15 4 28.2	72	37	84.1
COA743	B727	t	1875.	5.8	295.0	214.	1865.	17 4 8.7	91	13	97.9
AWE68	B757	t	3138.	11.3	321.4	231.	3078.	18 7 45.7	74	24	83.6
NWA1843	DC9	t	2939.	12.9	279.5	230.	2865.	18 12 16.2	73	28	83.3
COA855	H/A300	t	3829.	23.7	301.8	249.	3507.	18 21 31.4	75	29	85.8
COA659	B737	t	2780.	21.7	323.3	249.	2583.	18 37 34.5	81	21	90.2
COA323	B727	t	2990.	10.9	275.3	243.	2936.	18 38 46.2	85	24	95.2
AFR078	H/B747	t	4742.	25.4	349.2	222.	1865.	18 45 39.7	76	25	86.7
DAL799	MD88	t	3217.	3.2	312.5	232.	3212.	19 2 54.6	83	18	90.4
TAP317	H/EA31	t	3453.	18.5	23.9	223.	3275.	19 40 53.1	78	17	85.3
COA1408	B73S	t	3907.	12.7	2.1	245.	3812.	19 46 19.3	72	18	80.5
COA1227	B73S	t	3445.	17.8	310.1	267.	3280.	19 47 35.0	74	22	83.6
USA190	FK10	t	4047.	11.0	20.9	203.	3972.	19 50 14.6	69	26	78.9
BTA3536	E120	t	3161.	13.3	355.8	173.	3077.	20 16 56.1	63	35	74.3
COA677	B737	t	3569.	29.5	296.4	237.	3107.	20 42 35.9	78	32	89.1
COA28	H/B747	t	4766.	26.7	347.9	214.	1966.	20 50 46.3	76	34	87.9
NWA793	DC9	t	3974.	27.9	306.3	240.	3511.	21 3 56.8	80	26	89.5
USA511	B73S	t	5741.	26.3	284.0	259.	5146.	21 14 14.1	70	31	81.0
BAW184	H/B747	t	8182.	18.9	11.3	214.	2058.	21 16 32.4	70	34	80.5
COA517	DC9	t	4841.	28.7	261.9	288.	4246.	21 36 0.4	78	47	90.8
DAL241	H/B767	t	3238.	8.6	307.5	233.	3202.	21 40 52.6	76	26	86.3
USA254	B73S	t	4713.	18.4	296.5	247.	4472.	21 48 16.0	69	29	79.8
COA503	B727	t	3982.	25.8	302.8	222.	3585.	21 53 27.4	86	30	96.0
COA673	B727	t	3829.	13.2	328.4	212.	3727.	23 0 1.1	85	28	96.3
AWE110	B757	t	3424.	13.6	290.1	229.	3327.	23 8 19.2	71	27	82.0



Table B3-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
USA92	DC9	t	8806.	29.0	18.6	234.	3091.	6 42 15.1	69	41	80.4
NWA81	H/DC10	t	3586.	12.0	318.8	262.	3507.	6 52 51.9	74	25	84.5
USA71	B73F	t	4797.	19.1	297.3	236.	4534.	6 54 52.4	75	25	84.4
AAL1461	B727	t	2611.	9.6	310.5	219.	2575.	7 3 37.5	89	23	97.9
USA1938	DC9	t	4219.	14.4	295.8	238.	4086.	7 9 20.6	77	39	88.9
COA789	B737	t	3872.	14.5	320.1	240.	3748.	7 15 23.2	81	30	90.8
COA342	MD80	t	8950.	29.7	17.9	234.	3354.	7 51 2.1	67	56	79.9
COA344	MD80	t	9808.	26.6	19.1	260.	2859.	9 0 44.7	66	63	79.5
DAL419	B727	t	3029.	23.6	287.4	200.	2777.	10 11 2.1	84	22	94.3
COA635	B727	t	2473.	12.8	277.8	196.	2411.	11 2 12.6	89	20	97.0
UAL347	B757	t	3030.	5.2	304.7	244.	3017.	14 45 22.4	71	20	80.0
COA317	MD80	t	3944.	23.8	303.4	243.	3608.	15 13 28.2	77	21	86.7
USA177	DC9	t	4724.	27.5	272.3	237.	4190.	15 17 37.1	77	23	86.4
COA776	B73s	a	8617.	29.6	29.5	945.	414.	17 13 1.8	72	29	82.2
NWA253	B727	t	2541.	15.5	304.8	228.	2448.	19 39 34.7	84	18	92.6
COA327	B727	t	2876.	20.0	288.7	230.	2702.	20 26 15.3	86	25	96.1
COA56	H/B747	t	6692.	21.9	58.1	280.	6211.	20 51 30.8	73	32	84.2
BTA3652	A742	t	5099.	13.2	56.6	216.	4965.	20 56 42.9	59	39	71.1
AAL968	B727	a	3377.	28.6	182.8	145.	1593.	21 35 43.5	66	57	78.7
COA242	B727	a	1764.	10.1	149.6	179.	1737.	22 40 22.1	73	22	83.1
DAL498	B727	a	4116.	24.8	195.7	157.	1319.	23 18 51.3	62	51	75.4



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Table B3-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
KEARNY, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UPS9201	H/DC87	a	5135.	24.3	196.9	169.	1453.	0 27 24.0	62	34	73.5
UPS9602	B727	t	3563.	17.7	289.1	254.	3395.	2 35 53.8	83	23	92.8
FDX981	B727	t	2320.	12.7	307.4	208.	2263.	3 56 4.6	85	19	93.8
FDX976	B727	t	2638.	26.3	304.5	222.	2366.	4 23 24.9	80	24	90.4
ZAN959	L188	t	3080.	20.7	283.6	214.	2881.	5 56 29.4	75	18	82.4
AAL841	B727	t	2337.	12.9	301.8	226.	2278.	6 35 19.5	88	23	98.0
USA2189	B73F	t	2978.	17.8	304.9	227.	2836.	6 51 44.2	79	18	87.4
COA581	B727	t	5929.	24.7	201.7	225.	5388.	8 7 53.4	76	49	88.5

MEASUREMENT SYSTEM DISMANTLED AT 08:31:18



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Table B4-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
ALO3775	SHD3	o	4129.	14.3	61.4	197.	4001.	9 40 45.5	61	32	71.2
N1550U	BE20	a	3992.	12.2	112.8	216.	3901.	9 58 26.7	61	29	70.8
N51RX	SW3	a	4272.	24.1	65.8	215.	3901.	10 32 36.0	69	14	76.1
N499SC	HS25	a	4316.	25.3	75.4	229.	3901.	10 57 17.2	58	43	69.5
HNAB102	DH7	o	4456.	29.0	69.3	189.	3897.	11 8 51.6	60	38	71.5
COA566	B737	a	6256.	19.4	82.5	267.	5901.	11 51 41.9	60	35	70.6
ALO3768	SHD6	o	4212.	13.2	62.2	151.	4101.	14 50 51.7	59	42	71.6
USA488	B73S	a	6056.	13.0	96.8	261.	5901.	15 0 37.5	59	35	69.8
N51RX	SW3	t	11363.	15.5	276.7	239.	10950.	15 42 12.4	62	25	70.6
N7241R	BE55	a	4059.	9.7	93.1	229.	4001.	16 14 42.1	64	28	74.4
HNA4393	DH8	o	4131.	26.4	81.8	227.	3701.	16 21 45.1	64	27	72.5
N44UF	BE20	a	3654.	21.7	59.7	250.	3396.	16 57 41.4	63	23	72.1
N22BJ	BE10	a	2824.	6.8	72.0	213.	2804.	17 41 32.7	62	32	73.1
ALO3710	SHD6	o	3903.	7.9	45.0	174.	3866.	17 42 37.5	65	36	75.2



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Table B4-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST TIME	LAmx	DUR(s)	SEL(dBA)
ZAN958	L188	a	7860.	7.0	96.1	261.	7801.	3 24 44.4	62	28	72.0
ABX156	DC9	a	7910.	2.7	88.1	307.	7901.	4 9 23.9	58	58	70.4
DHL145	B727	a	8121.	13.4	89.3	278.	7901.	6 9 50.9	59	70	72.9
COA788	DC9	a	5916.	4.1	74.2	339.	5901.	7 49 28.4	60	44	71.9
USA1521	B737	o	18290.	7.8	247.7	500.	18119.	8 30 15.7	65	23	75.5
GAAB26	BE02	o	3690.	18.4	40.0	259.	3501.	9 5 58.0	66	66	73.3
N14TT	BE90	a	4147.	15.3	65.5	268.	4001.	11 58 50.6	64	22	73.1
COA556	H/B747	a	6813.	30.0	82.7	267.	5901.	16 15 15.6	66	24	74.5
NWA192	B727	a	6375.	24.7	94.9	253.	5790.	16 50 45.4	63	36	74.1
N80K	HS25	a	5911.	4.9	73.6	327.	5889.	17 42 27.5	58	53	72.3
ALO3710	SHD6	o	4034.	14.7	42.4	189.	3901.	18 6 53.4	61	39	73.1
N74RP	G4	a	4073.	21.3	64.1	226.	3794.	18 24 59.9	64	16	71.0
SDU735	BA31	o	4033.	14.7	51.7	317.	3901.	19 4 51.6	65	22	74.2
COA204	H/A300	a	6160.	16.7	70.1	299.	5901.	20 50 22.9	61	46	73.8
COA554	B737	a	6543.	25.6	89.6	320.	5901.	21 6 29.9	63	31	72.6
UAL158	H/B767	a	6228.	21.3	82.8	296.	5801.	22 49 27.3	58	79	71.8
UAL366	B727	a	6257.	16.5	97.0	154.	6001.	22 51 34.0	61	49	72.8
TWA70	B727	a	8542.	23.1	95.6	225.	7858.	23 6 20.8	59	42	70.1



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Table B4-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
FDX577	B727	a	8089.	8.5	76.0	351.	8001.	0 10 25.4	58	55	71.0
ABX156	DC9	a	8722.	23.5	109.4	283.	8001.	4 3 22.2	56	62	70.2
DHL145	B727	a	8770.	24.2	89.8	299.	7999.	6 3 47.3	58	66	71.9
ZAH942	CV64	a	6032.	5.8	112.6	216.	6001.	6 13 29.8	62	43	73.6
COA210	H/A300	a	6273.	16.9	88.5	307.	6001.	6 44 17.9	64	63	77.3
N274GC	C441	a	4094.	17.7	64.4	326.	3901.	8 37 4.0	65	24	74.6
GAA826	BE02	o	4054.	19.4	41.6	265.	3823.	9 3 34.9	66	21	74.7
ALQ3775	SHD3	o	3931.	7.1	69.5	221.	3901.	9 31 20.3	61	43	73.7
COA704	B737	a	6290.	17.4	82.0	347.	6001.	10 47 33.2	61	50	73.7
HNA8102	DH7	o	4155.	15.7	91.2	150.	4001.	11 15 49.9	60	40	71.5
UAL373	B727	o	15797.	3.4	252.5	404.	15769.	15 5 23.4	62	77	75.8
N38WB	BE36	a	3301.	0.2	90.9	150.	3301.	15 22 0.2	60	32	69.8
COA330	B73S	a	5692.	7.8	107.4	286.	5639.	15 42 22.6	64	42	75.2
COA244	H/A300	a	6089.	9.7	96.7	354.	6001.	15 44 36.1	64	28	73.9
ALQ3710	SHD6	o	4035.	14.8	39.3	184.	3901.	17 42 36.3	62	40	72.4
N80N	C337	a	3709.	2.4	66.9	187.	3706.	18 13 3.6	63	52	76.3
SDU687	BA31	o	3923.	6.1	53.1	247.	3901.	19 54 51.5	64	34	74.8
UAL436	B727	a	6247.	19.1	96.1	272.	5901.	20 33 13.1	59	85	73.8
UAL786	B727	a	6196.	17.7	83.1	277.	5901.	21 12 48.3	59	63	73.2
NWA368	H/DC10	a	6754.	27.3	89.7	256.	6001.	21 51 4.9	58	71	72.9
N25HB	BE90	o	3515.	19.8	49.7	247.	3307.	21 57 34.7	61	41	72.6
COA1540	B73S	o	19587.	15.4	268.8	412.	18880.	22 20 37.6	56	64	68.6
WIG161	C208	a	4915.	4.5	94.2	172.	4899.	23 44 38.2	62	24	71.1



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Table B4-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
ABX176		a	8974.	25.5	88.3	334.	8101.	6 0 54.6	60	43	69.7
BTA3510	E120	a	5221.	23.1	104.3	270.	4801.	7 0 26.5	59	54	72.0
N350MC	SW3	a	3986.	11.9	67.3	279.	3901.	7 34 45.3	64	27	73.1
N914J	DA90	t	12967.	5.8	283.3	492.	12901.	8 4 16.0	69	63	82.8
TWA402	B727	a	6163.	28.4	82.8	360.	5421.	14 16 2.8	63	48	74.9
AL03768	SHD6	o	3912.	4.3	54.1	217.	3901.	14 51 15.0	59	51	70.9
N720MC	BE20	o	14336.	25.9	285.7	352.	12901.	15 8 49.2	58	41	69.8
GAA832	BE02	o	4245.	19.5	49.9	248.	4001.	16 24 47.9	66	18	73.0
TWA136	MD80	a	6430.	21.7	72.8	397.	5975.	16 51 39.0	59	56	71.7
UAL8069	B727	a	5895.	24.8	97.7	283.	5350.	18 12 52.5	60	54	73.3
BTA3524	E120	a	5111.	16.5	74.5	271.	4901.	18 43 47.0	65	14	73.0
SDU735	BA31	o	4440.	25.7	51.2	366.	4001.	19 21 51.6	62	31	73.0
USA654	DC9	a	5982.	9.5	123.0	319.	5901.	20 23 8.4	60	58	72.9
HNA4404	DH8	a	3910.	4.0	34.9	265.	3901.	21 49 31.5	58	61	70.8
NWA398	B727	a	8078.	15.0	69.0	366.	7801.	23 32 40.1	49	54	60.0



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Table B4-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA445	B727	t	13593.	13.1	275.9	322.	13237.	7 36 24.9	60	74	75.4
NWA360	B727	a	6363.	26.4	61.6	361.	5701.	8 25 59.1	60	33	69.9
UAL500	H/DC10	a	6283.	20.1	90.7	296.	5901.	9 3 16.7	62	35	72.2
N99137	C172	a	4190.	17.3	51.9	134.	4001.	9 58 33.8	58	62	71.2
MEP670	DC9	a	6281.	20.0	91.5	320.	5901.	10 40 29.2	62	27	71.3
N82301	PARO	a	4363.	23.5	47.7	169.	4001.	13 42 13.0	59	31	69.3
TWA402	B727	a	6528.	25.3	84.9	288.	5901.	13 54 33.6	62	29	71.8
ALO3768	SHD6	a	3128.	22.0	40.8	156.	2901.	14 36 48.4	63	23	71.6
MEP305	DC9	a	6542.	25.6	111.2	301.	5901.	16 48 14.0	60	49	71.9
COA298	DC9	a	5668.	20.7	82.4	295.	5301.	17 3 57.4	59	40	71.4
COA692	MD80	a	5730.	4.1	90.2	306.	5715.	17 21 34.6	56	41	66.4
COA159	H/A300	t	13547.	12.2	267.7	365.	13243.	18 41 31.9	58	50	70.8
N6750C	BE36	a	4118.	13.7	51.2	178.	4001.	19 31 6.0	58	49	69.7



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Table B4-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
N33PG	AC50	a	3982.	11.6	35.0	264.	3901.	11 18 4.8	62	41	73.2
N907M	DA05	a	4278.	20.8	63.9	227.	3998.	14 43 2.9	59	37	69.9
COA244	H/A300	a	6422.	23.4	132.8	209.	5893.	15 46 12.9	61	39	71.5
UAL12	B757	a	5990.	9.9	103.4	286.	5901.	16 0 36.1	54	63	67.9
HNA4393	DH8	a	4177.	20.9	44.0	197.	3901.	16 17 22.3	63	25	71.6
HNA4555	DH8	a	3904.	2.2	38.3	232.	3901.	19 7 19.5	77	13	81.6
SDU735	BA31	a	4230.	20.9	52.0	269.	3953.	19 24 35.7	65	24	74.7
SDU687	BA31	a	3985.	11.8	36.9	307.	3901.	19 58 44.5	64	24	73.9
HNA4321	DH7	a	3989.	12.1	69.5	187.	3901.	20 47 30.9	61	29	71.1
ALO3886	SHD6	a	2901.	0.6	40.5	159.	2901.	20 51 38.6	62	37	73.1
N92LA	G2	a	6730.	28.7	124.7	285.	5901.	22 39 33.9	56	37	67.3



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Table B4-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
SDU696	BA31	a	3953.	9.3	57.3	243.	3901.	7 58 26.1	63	29	73.0
HNA4414	DH8	a	4017.	13.8	61.4	209.	3901.	11 5 16.4	63	31	73.1
HNA4393	DH8	a	4256.	24.7	45.8	294.	3866.	16 14 21.6	65	26	73.4
COA1218	H/EA30	a	6090.	14.3	116.6	308.	5901.	17 43 12.8	65	39	75.0



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Table B4-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
LONG VALLEY, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
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Table B5-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
USA1417	B737	o	34037.	18.8	260.3	438.	32213.	16 54	8.0	61	48	72.6
USA90	B737	o	23502.	22.2	35.8	418.	21758.	16 58	8.3	66	37	76.8
AAL9	H/DC10	o	12893.	3.1	261.8	364.	12874.	17 1	1.7	56	80	70.1
TWA117	DC9	o	14030.	23.6	249.9	358.	12853.	17 3	52.2	60	36	70.2
TWA815	H/B747	o	13168.	29.3	251.7	386.	11484.	17 9	16.6	57	85	71.4
PAA571	B727	o	18580.	24.9	235.3	272.	16853.	17 31	56.0	63	21	70.1
PAA579	B727	o	13397.	16.0	247.7	413.	12875.	17 49	32.4	63	23	71.7
PAA2067	B727	o	13439.	23.1	245.5	328.	12364.	18 40	37.5	62	57	74.1
TWA905	B727	o	13527.	18.1	237.2	293.	12857.	19 6	26.6	67	47	78.6
COA671	MD80	t	8917.	8.4	200.9	339.	8821.	21 2	52.4	66	42	77.7



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Table B5-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST TIME	L _{Amax}	DUR(s)	SEL(dBA)
CKS811	H/DC85	o	6345.	12.8	244.8	274.	6186.	3 11 7.3	57	49	69.0
FDX980	B727	t	11219.	22.2	202.3	322.	10391.	3 14 32.9	62	55	74.7
AAL941	B727	t	9888.	12.1	173.3	325.	9670.	7 35 14.5	64	57	77.2
COA521	B735	t	8649.	2.8	174.0	344.	8638.	10 57 16.4	59	75	73.6
USA546	FK10	o	19035.	4.8	38.1	375.	18969.	11 1 33.6	62	41	72.9
COA767	B727	t	8573.	21.9	183.0	282.	7957.	11 12 20.7	75	16	80.8
COA607	B727	t	9186.	9.8	190.8	340.	9053.	11 17 26.0	71	31	80.5
USA1123	DC9	t	9557.	29.6	198.8	339.	8307.	11 56 47.4	66	54	77.7
COA283	B727	t	10467.	21.2	182.5	324.	9755.	12 8 8.1	67	15	74.2
USA896	DC9	o	26717.	18.2	249.3	450.	25376.	12 37 27.5	62	41	73.4
N931G	DA05	t	6643.	25.9	183.5	275.	5974.	14 19 34.9	68	16	74.0
N1843S	HS25	o	14736.	26.0	243.3	296.	13250.	17 24 14.8	60	32	70.1
PAA2156	H/EA31	o	9542.	6.0	323.6	1015.	9490.	18 6 9.8	59	100	73.5
PXX850	AT42	o	4344.	27.5	60.3	223.	3853.	18 12 7.7	60	65	72.7
PAA2067	B727	o	13718.	29.2	235.3	272.	11973.	18 49 25.7	60	82	72.5
PAA517	B727	o	12457.	28.1	244.9	414.	10985.	18 56 10.6	59	80	72.5
USA665	B737	o	21135.	7.5	42.8	388.	20953.	20 22 13.6	56	80	72.4



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Table B5-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
MA18949	H/B747	o	11013.	13.3	240.9	428.	10717.	0 55 1.6	58	51	70.7
AAL1461	B727	t	11449.	21.2	181.0	353.	10676.	7 6 48.9	64	57	76.5
COA301	B73S	t	8127.	14.4	185.4	283.	7873.	7 21 48.7	61	43	72.5
COA757	B727	t	11738.	28.6	181.8	294.	10302.	8 58 45.4	66	38	75.5
PAA81A	H/B747	o	12091.	25.2	232.9	264.	10938.	9 45 50.8	60	97	75.2
N903M	BE38	o	26783.	21.9	24.4	198.	24857.	12 18 14.8	67	13	72.2
TWA7	H/L101	o	10773.	18.0	250.4	321.	10244.	12 26 12.2	62	6	63.8
COA5607	B727	t	9013.	9.2	220.8	265.	8897.	12 58 24.6	73	18	79.6
DAL726	B757	o	24475.	25.1	49.1	392.	22162.	13 37 57.5	68	30	78.3
COA801	B737	t	9533.	10.5	192.2	266.	9374.	15 3 22.0	61	50	73.7
COA603	B73S	t	9629.	20.5	177.9	340.	9019.	15 18 35.3	59	47	70.5
COA653	B727	t	8135.	2.5	200.7	352.	8127.	15 23 5.0	73	8	76.3
NAE808	SHD6	o	3935.	5.4	62.9	270.	3918.	15 26 11.4	63	45	74.6
PAA91A	H/B747	o	12409.	27.9	239.3	318.	10965.	16 36 8.6	59	40	70.2
N469JR	HS25	t	7976.	9.0	195.7	287.	7878.	16 43 58.6	55	60	68.3
USA1564	DC9	t	8532.	5.4	178.7	313.	8493.	16 51 18.8	66	26	75.1
N630PM	G2	t	8102.	13.8	189.0	368.	7867.	16 54 26.3	63	52	75.5
TWA117	DC9	o	12463.	12.8	245.8	370.	12154.	17 1 3.0	59	73	72.2
FDX001	H/B747	o	12111.	12.5	241.9	463.	11825.	17 39 56.4	60	53	73.5
PAA579	B727	o	12837.	28.9	236.0	340.	11235.	18 4 43.5	62	60	74.8
PAA597	B727	o	9998.	3.9	239.9	352.	9974.	18 8 50.1	64	86	78.5
PAA2073	B727	o	10767.	2.9	247.2	385.	10753.	18 11 30.2	62	65	75.0
PAA517	B727	o	10810.	7.9	249.6	473.	10706.	18 34 24.1	62	87	76.3
USA1651	B737	o	14371.	9.1	248.4	264.	14190.	18 40 22.4	55	90	71.6
PAA2067	B727	o	12110.	28.4	243.4	361.	10653.	18 46 45.0	61	60	73.7
PAA457	H/EA30	o	13305.	24.3	239.3	377.	12125.	18 54 43.4	58	70	71.3
TWA805	B727	o	10453.	15.9	235.6	266.	10053.	19 24 17.0	63	52	76.1
USA594	FK28	o	12062.	23.5	234.8	307.	11062.	19 27 53.4	56	79	69.8
TWA305	B727	o	10880.	4.7	247.4	440.	10844.	19 36 1.6	53	66	76.4
N727PJ	B727	o	11121.	6.3	240.8	285.	11053.	20 16 44.8	61	86	76.3
USA556	DC9	o	23225.	28.6	26.7	351.	20397.	20 19 27.0	56	128	74.7
TWA881	B727	o	14092.	29.6	239.8	284.	12253.	20 29 5.0	61	76	75.2
COA857	H/A300	t	11457.	21.9	170.7	483.	10626.	20 44 43.9	54	55	68.3
AAL689	H/DC10	t	11843.	23.4	142.2	338.	10870.	20 49 4.6	53	66	68.4
COA671	MD80	t	9442.	23.6	167.3	293.	8653.	20 54 47.0	61	57	73.9
COA381	B727	t	8796.	22.2	180.8	283.	8145.	21 10 12.6	65	56	78.8
USA671	DC9	o	17148.	29.5	197.4	387.	14923.	22 50 14.7	53	82	68.8
PAA561	B727	o	13849.	8.4	243.2	399.	13700.	23 14 19.7	62	70	75.3
RAX815	H/DC8	o	14561.	27.2	258.9	393.	12953.	23 32 52.9	56	120	72.1



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Table B5-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
FDX980	B727	t	10097.	5.3	174.8	372.	10053.	3	31 27.5	62	64	75.7
COA657	B727	t	7629.	8.1	159.5	310.	7552.	16	10 12.5	68	23	76.5
COA243	B727	t	8141.	17.6	185.4	291.	7761.	16	19 4.4	66	35	76.6
USA1564	DC9	t	8247.	18.6	164.4	293.	7817.	16	58 3.9	62	38	72.0
DAL648	B727	o	23160.	26.1	37.2	504.	20793.	17	35 14.3	60	40	70.5
DAL799	MD88	t	8749.	28.6	164.1	294.	7678.	18	20 30.5	61	36	71.9



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Table B5-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
FDX980	B727	t	10328.	12.1	185.5	288.	10099.	3 19 34.2	63	63	76.3
AAL3	H/DC10	t	11091.	17.9	236.3	321.	10553.	12 48 51.4	57	53	69.0
AAL9	H/DC10	t	11769.	24.0	251.1	346.	10753.	17 5 6.6	57	62	69.3
TWA815	H/B747	t	10894.	25.5	242.7	286.	9829.	17 9 14.8	64	28	73.6
AAL1005	B727	t	9307.	23.8	217.0	364.	8514.	17 27 15.1	70	37	80.3
AWE563	B757	t	10653.	0.0	247.4	312.	10653.	17 36 29.3	55	58	67.2
FDX137	H/B747	t	12572.	22.2	236.8	345.	11643.	17 53 54.5	61	33	71.5
PAA579	B727	t	12676.	3.5	235.8	287.	12653.	17 57 9.9	65	37	75.0
DAL447	B727	t	19059.	23.9	213.7	445.	17422.	18 33 59.8	65	28	74.6
MXA001	B727	t	12477.	27.2	250.0	384.	11097.	18 41 1.2	69	46	80.9
COA667	B727	t	9110.	7.9	164.7	321.	9023.	18 51 44.5	68	47	80.4
USA431	B73S	t	22692.	8.2	40.3	418.	22462.	19 19 5.2	64	43	75.5
TWA311	MD80	t	13114.	9.8	244.6	388.	12922.	20 24 25.4	60	87	74.4
TWA849	H/L101	t	10795.	11.0	239.9	341.	10598.	20 30 23.3	60	45	71.6
TWA881	B727	t	11631.	28.2	241.2	293.	10253.	20 33 50.9	68	28	76.9
TWA77	H/B767	t	14536.	19.8	244.0	348.	13672.	20 43 10.7	52	74	65.8
TWA831	B727	t	11224.	11.4	252.8	383.	11003.	20 48 52.5	66	53	79.1
APR6436	H/B747	t	11486.	14.4	244.7	286.	11126.	21 8 36.9	67	55	78.1
TWA731	H/L101	t	12268.	27.8	234.0	286.	10850.	21 28 14.2	59	55	72.0



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Table B5-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
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NO "ARTS" MATCHES DURING PERIOD OF MEASUREMENT
RAIN / INSTRUMENTATION PROBLEMS



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Table B5-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
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NO "ARTS" MATCHES DURING PERIOD OF MEASUREMENT
INSTRUMENTATION PROBLEMS



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Table B5-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
COLTS NECK, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
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INSTRUMENTATION PROBLEMS
MEASUREMENT SYSTEM DISMANTLED AT 07:26:35



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Table B6-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
ACA701	B727	o	11044.	23.4	297.9	367.	10139.	8 18	9.6	67	72	80.9
SDU647	BA31	o	11474.	13.6	247.7	187.	11151.	9 1	18.1	68	40	79.4
DAL449	H/B767	o	8788.	7.3	247.6	319.	8718.	9 14	26.2	64	40	76.4
TPS1421	B727	o	8640.	4.4	261.6	154.	8615.	9 31	53.3	74	48	85.1
TWA177	H/L101	o	8274.	24.9	280.0	263.	7503.	9 51	11.3	66	45	78.7
COA1621	B73S	o	9221.	27.7	248.3	262.	8166.	9 53	17.4	62	36	74.1
TPS1431	B727	o	7813.	5.7	254.7	340.	7774.	10 13	31.6	74	43	85.7
N1929Y	G2	o	8332.	6.0	269.2	342.	8287.	10 15	13.3	67	46	79.9
DAL179	H/B767	o	8950.	15.9	261.5	339.	8608.	10 29	60.0	64	40	75.1
PAA249	B727	o	6923.	10.8	256.0	229.	6801.	10 55	34.3	76	32	86.3
USA423	DC9	o	8553.	24.9	273.4	265.	7757.	11 54	19.0	72	32	81.6
DAL355	H/B767	o	8022.	16.3	257.5	331.	7699.	12 22	42.8	65	41	76.4
USA2379	FK28	o	8283.	28.3	250.4	253.	7293.	12 37	28.5	67	36	78.1
COA580	H/A300	a	3862.	9.5	139.7	220.	3809.	13 56	16.3	70	23	79.0
AAL431	B727	o	9922.	10.1	287.7	243.	9769.	15 27	59.0	70	26	79.5
NWA547	DC9	o	13800.	29.1	298.7	354.	12064.	15 37	22.7	60	44	72.9
UAL87	B727	o	9669.	19.8	287.1	387.	9095.	20 22	8.7	71	44	82.1
MID399	MD87	o	13451.	10.7	265.8	323.	13215.	21 1	3.3	61	54	72.6



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Table B6-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAm _{ax}	DUR(s)	SEL(dBA)
USC263	LR35	t	7120.	20.1	33.9	278.	6687.	1 26 24.2	59	53	71.1
DAL425	H/B767	o	7754.	21.2	273.5	328.	7227.	6 54 9.5	65	53	78.0
PAA243	B727	o	7517.	14.5	193.2	258.	7278.	8 0 27.4	80	27	88.8
USA1197	FK28	o	6658.	8.8	325.4	293.	6580.	8 31 10.3	73	32	82.7
DAL259	B727	o	9698.	20.5	173.6	253.	9082.	8 38 54.8	70	33	81.0
USAB67	B73S	o	8013.	13.6	277.5	327.	7787.	8 50 30.6	65	33	75.1
DAL449	H/B767	o	7166.	20.5	260.4	271.	6712.	9 7 24.4	66	32	76.1
MID403	DC9	o	6776.	17.1	273.9	206.	6475.	9 12 54.7	74	46	85.2
USA1441	FK28	o	7917.	19.4	238.1	281.	7469.	9 19 16.4	69	41	80.0
TPS1421	B727	o	8107.	19.6	253.6	269.	7638.	9 27 37.9	77	31	86.4
AAL85	H/DC10	o	7107.	16.7	295.0	227.	6809.	9 43 50.0	64	46	75.9
PAA6247	B727	o	8076.	6.8	250.7	203.	8020.	10 11 8.8	74	46	85.7
COA1405	DC9	o	9525.	16.6	266.1	244.	9128.	11 48 18.7	64	57	76.5
COA1535	B727	o	6365.	8.5	263.5	283.	6295.	12 3 22.4	76	35	86.2
DAL135	B757	o	9432.	15.1	216.9	275.	9107.	12 18 33.6	61	37	72.0
TWA133	MD80	o	9364.	27.6	264.1	279.	8298.	12 23 14.9	64	45	75.4
PAA235	B727	o	7668.	24.1	225.1	231.	6998.	13 6 59.3	76	39	87.7
USA202	DC9	o	5936.	15.9	279.0	298.	5710.	13 20 45.0	67	23	76.1
TPS1471	B727	o	9412.	19.6	275.0	256.	8866.	14 10 19.3	71	53	82.9
TPS1481	B727	o	8390.	13.3	268.0	276.	8166.	15 16 31.4	73	31	82.3
UAL1147	B727	o	9110.	29.7	273.0	257.	7911.	15 21 51.5	70	29	80.1
AAL361	B727	o	11944.	28.4	256.6	361.	10509.	16 47 27.0	63	77	76.2
AAL335	B727	o	11703.	22.8	289.0	323.	10791.	21 17 24.5	61	70	74.9



Table B6-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
USC263	LR35	t	7709.	13.1	61.1	244.	7509.	1 29 25.0	56	47	68.2
AAL845	MD80	o	7528.	26.5	243.6	271.	6736.	6 37 22.6	69	44	81.5
PAA241	B727	o	6688.	3.0	262.9	248.	6679.	6 46 8.5	73	56	87.3
TWA111	B727	o	6616.	28.6	266.7	263.	5809.	6 58 36.0	78	36	88.6
TPS1401	B727	o	7682.	6.1	256.4	228.	7638.	7 39 37.2	77	35	87.0
USA103	B737	o	8135.	28.1	266.9	286.	7177.	7 44 3.5	68	58	81.4
USA1703	B73F	o	7903.	5.4	257.0	267.	7867.	7 51 23.0	65	42	76.5
COA1705	B73S	o	9086.	26.8	266.3	258.	8109.	7 53 59.0	60	45	72.6
USA474	MD80	o	8876.	28.0	263.2	236.	7835.	8 7 44.2	67	51	80.1
USA1597	B737	o	7427.	19.1	264.6	300.	7020.	8 43 29.5	74	45	86.1
MID403	DC9	o	6998.	20.1	271.7	289.	6570.	9 1 19.0	74	31	83.7
TWA455	B727	o	6300.	11.7	248.7	287.	6169.	9 14 33.4	75	48	87.1
COA451	MD80	o	9648.	6.9	289.0	298.	9578.	9 37 1.8	71	50	82.0
COA1621	B73S	o	7795.	14.5	259.0	258.	7547.	9 47 23.4	64	35	74.1
TWA261	B727	o	6881.	18.2	302.0	274.	6535.	9 57 50.7	76	40	87.3
USA385	B737	o	6426.	11.3	254.5	232.	6302.	10 3 42.6	71	42	82.7
N903G	G2	o	9444.	7.0	235.1	352.	9375.	11 4 2.3	62	57	74.3
USA1989	B737	o	7409.	18.9	255.0	361.	7009.	11 18 31.5	71	31	81.6
USA423	DC9	o	7576.	20.2	279.2	259.	7109.	11 57 8.2	72	34	82.8
DAL135	B757	o	8470.	9.3	204.1	269.	8359.	12 20 5.6	61	33	72.0
USA1053	MD80	o	7420.	4.9	266.1	277.	7393.	12 33 49.1	69	28	78.7
NWA553	B757	o	9737.	12.6	274.0	356.	9504.	12 41 53.9	61	44	71.4
TPS1461	B727	o	7456.	16.8	317.6	239.	7137.	13 22 4.5	72	42	84.3
AAL1403	B727	o	7272.	28.5	240.7	279.	6388.	13 36 26.6	78	22	85.3
USA1131	B737	o	6889.	11.4	260.6	289.	6753.	13 41 13.8	74	28	83.8
COA611	DC9	o	8622.	23.1	244.0	248.	7933.	13 45 2.6	71	24	80.7
COA464	MD80	o	8432.	21.6	254.1	278.	7842.	13 49 23.6	68	35	78.7
TPS1481	B727	o	7905.	15.7	261.1	290.	7610.	15 11 7.0	71	30	81.4
DAL187	H/B767	o	8109.	21.7	243.6	383.	7533.	15 54 45.0	66	37	76.9
TWA125	H/L101	o	8637.	22.1	283.1	277.	8001.	16 1 30.3	65	38	75.6
USA1685	DC9	o	6704.	3.0	262.8	268.	6695.	16 23 52.2	73	16	80.2
TPS1491	B727	o	6956.	12.4	249.3	285.	6794.	16 26 15.7	72	33	83.3
USA577	B73S	o	7907.	11.1	277.6	370.	7759.	16 42 7.0	62	58	74.2
USA1208	B73S	o	8992.	22.8	237.8	337.	8288.	19 11 49.1	63	47	74.5
COA1261	B727	o	6006.	13.9	241.8	258.	5830.	19 57 43.9	77	38	88.4
DAL683	B727	o	7464.	26.1	262.1	274.	6701.	20 4 52.3	72	45	86.5
USA185	DC9	o	7834.	4.1	233.8	383.	7814.	20 11 2.2	65	63	78.9
PAA269	B727	o	7610.	26.0	253.2	269.	6840.	20 48 1.9	72	41	83.2
COA765	MD80	o	8429.	22.2	189.6	260.	7804.	21 5 37.0	64	70	78.1
DAL695	H/B767	o	7936.	17.5	212.7	271.	7568.	21 13 7.0	62	51	74.1
TPS1541	B727	o	7049.	13.1	283.1	272.	6867.	21 15 9.9	72	36	84.0



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Table B6-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
COA1521	DC9	o	8626.	22.0	256.8	243.	7998.	6 47	1.2	65	75	79.1
PAA241	B727	o	7263.	8.8	248.5	208.	7178.	6 50	33.4	70	51	82.8
USA103	B737	o	8132.	27.4	250.4	262.	7219.	7 41	2.5	66	40	77.3
PAA6241	B727	o	7265.	16.7	239.5	278.	6958.	7 43	25.0	72	36	82.5
PAA243	B727	o	7985.	20.9	205.4	261.	7462.	7 59	40.0	71	33	82.4
USA474	MD80	o	7587.	16.6	272.6	281.	7273.	8 22	20.3	65	65	79.9
TPS1411	B727	o	7159.	17.7	251.4	265.	6819.	8 27	55.1	71	41	82.3
USA1597	B737	o	7112.	4.3	277.2	409.	7091.	8 43	31.3	70	43	80.5
PRE3671	D082	a	3006.	14.6	173.3	205.	2909.	8 51	58.1	66	62	79.6
USA1035	DC9	o	8163.	16.9	264.4	293.	7811.	9 9	42.0	66	45	78.1
PAA247	B727	o	7124.	3.6	246.1	287.	7110.	9 52	33.0	76	19	84.1
USA1821	B737	o	6713.	10.1	293.4	325.	6609.	10 14	53.0	68	31	78.4
PAA249	B727	o	6861.	16.8	269.9	236.	6568.	10 49	14.9	73	23	82.6
USA423	DC9	o	6935.	2.6	267.6	271.	6928.	11 54	28.9	65	52	77.0
COA566	B737	a	4510.	29.9	154.3	246.	3909.	12 1	22.0	66	31	76.0
N904K	N265	o	7674.	6.1	267.1	238.	7631.	12 14	31.5	57	94	72.2
TPS1451	B727	o	7739.	6.3	284.0	218.	7693.	12 24	58.1	70	27	78.9
USA1411	B737	o	8549.	21.5	253.6	265.	7955.	12 37	44.1	67	29	76.6
TWA149	H/L101	o	7614.	16.8	275.5	334.	7288.	12 43	47.4	64	30	73.4
TPS1461	B727	o	6909.	3.3	266.0	223.	6897.	13 13	49.4	68	32	78.7
USA202	DC9	o	7644.	21.3	264.4	252.	7120.	13 25	40.3	67	33	77.5
PAA255	B727	o	6941.	6.9	229.9	216.	6891.	13 54	34.1	67	59	80.6
USA721	FK28	o	6062.	9.8	258.3	241.	5974.	15 27	2.2	69	14	74.6
COA133	B73S	o	7584.	9.4	257.2	266.	7481.	15 37	52.3	61	40	71.9
COA1083	CD9	o	7470.	18.8	248.4	231.	7071.	16 29	10.5	65	47	77.8
COA802	B727	a	3446.	23.2	134.4	210.	3167.	16 42	16.1	70	18	78.0
ACA786	DC9	a	3370.	5.5	142.3	228.	3354.	16 52	28.8	67	31	77.2
COA1218	H/EA30	a	3890.	8.2	153.1	216.	3850.	16 53	53.3	67	28	76.2
DAL329	B727	o	6565.	8.9	240.1	224.	6487.	17 45	13.8	72	39	83.8
NWA1205	DC9	o	7705.	29.7	290.3	253.	6693.	17 51	58.1	66	52	77.6
TWA369	B727	o	6598.	3.9	220.9	213.	6583.	18 16	12.7	73	34	83.3
USA152	B737	o	6713.	21.9	259.7	322.	6230.	19 32	11.4	73	27	82.6
USA1412	B737	o	7879.	29.7	230.3	264.	6842.	19 39	15.5	66	39	77.1
COA453	MD80	o	7253.	17.7	247.0	293.	6910.	19 43	47.0	67	35	78.3
COA1609	B727	t	6555.	22.4	215.8	258.	6060.	20 7	5.6	75	35	86.1
COA851	MD80	t	9223.	25.3	264.1	208.	8341.	20 43	11.4	63	54	75.8
USA1487	DC9	t	7800.	25.3	274.8	286.	7050.	20 49	4.2	70	37	79.9
MID399	MD87	t	9689.	22.3	261.9	279.	8966.	21 1	8.9	63	53	75.8
TPS1541	B727	t	7885.	21.1	229.8	283.	7355.	21 16	58.8	70	42	81.6
AAL335	B727	t	8212.	26.7	280.0	170.	7338.	21 21	45.7	68	65	82.4
PAA288	B727	a	3001.	14.2	176.2	211.	2909.	21 49	40.0	71	15	78.0



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Table B6-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST TIME	LAmx	DUR(s)	SEL(dBA)
NCA115	H/B747	t	10337.	22.6	333.3	306.	9546.	4 23 47.4	63	53	75.9
NWA444	B727	t	12375.	28.2	302.3	317.	10909.	7 6 26.4	64	68	77.3
AAL511	MD80	t	12766.	23.3	296.1	348.	11725.	7 52 10.4	61	69	75.3
UAL855	B727	t	6936.	11.3	256.4	262.	6802.	9 23 9.3	77	33	86.6
USA364	DC9	t	7270.	10.0	295.0	279.	7160.	9 46 0.9	72	27	80.9
AAL551	B727	t	9327.	1.8	264.3	415.	9323.	10 5 59.4	70	52	83.0
COA1233	MD80	t	10368.	9.0	262.3	268.	10240.	10 19 0.9	66	40	76.7
USA560	B73S	t	9322.	13.2	298.6	298.	9076.	11 50 52.7	64	49	75.8
MID193	DC9	t	8705.	18.3	258.7	305.	8264.	12 40 39.3	69	25	78.6
USA1411	B737	t	9606.	27.9	285.9	287.	8491.	12 48 19.3	69	17	76.9
USA890	B73F	t	10949.	14.5	275.9	235.	10599.	13 10 59.7	61	50	73.2
PAA255	B727	t	8824.	28.6	250.9	290.	7745.	13 43 37.5	67	33	79.0
TWA237	B727	t	10765.	26.2	228.0	232.	9659.	15 3 47.2	69	47	81.5
AAL1073	B757	t	9598.	14.3	253.2	270.	9302.	17 26 11.2	62	52	73.1
TPS1501	B727	t	6820.	9.9	264.7	261.	6718.	17 32 6.5	73	41	85.5
DAL543	B727	t	6430.	12.9	248.7	245.	6267.	18 8 1.5	79	27	87.1
COA221	B73S	t	11587.	17.6	264.4	310.	11043.	18 29 38.9	59	62	72.7
AAL1031	MD80	t	8304.	9.2	299.3	323.	8197.	18 48 1.9	70	31	79.5
TWA161	B727	t	7310.	27.4	296.2	266.	6489.	18 51 24.4	73	38	83.6
PXX916	AT42	a	18780.	13.3	170.0	277.	18274.	19 19 21.2	60	32	70.4
TPS1521	B727	t	7479.	7.2	230.9	257.	7420.	19 30 32.8	71	48	83.6
AAL255	H/DC10	t	8121.	16.1	288.3	306.	7804.	20 7 10.1	62	55	74.0
COA50	H/DC10	t	6536.	22.0	48.4	288.	6061.	20 40 28.3	69	27	78.8
TPS1541	B727	t	7623.	14.4	253.6	251.	7384.	21 12 34.5	74	42	84.6



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Table B6-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
TWA261	B727	t	8286.	7.8	237.3	237.	8209.	9 37	8.8	71	53	84.3
COA306	MD80	a	3377.	29.6	154.2	277.	2937.	10 54	18.4	65	38	75.4
PAA251	B727	t	7822.	21.4	252.4	253.	7282.	11 46	31.3	73	39	82.9
COA592	B727	a	3068.	18.5	172.5	208.	2909.	12 16	4.7	70	20	78.2
TWA285	DC9	t	9381.	6.7	260.0	247.	9317.	13 3	27.5	72	41	81.9
AAL491	H/DC10	t	8781.	26.4	249.1	265.	7864.	13 5	21.4	65	55	77.5
DAL181	B727	t	5396.	20.7	239.1	262.	5047.	15 28	6.6	83	21	91.1
COA123	MD80	t	9391.	6.0	258.9	278.	9339.	18 17	29.2	51	55	63.1
COA28	H/B747	t	4733.	5.8	30.2	265.	4709.	20 53	21.2	50	24	60.6
COA881	B727	t	12402.	4.4	317.6	383.	12365.	21 34	41.9	49	31	58.7
N63929	PA23	a	1561.	25.5	194.6	121.	1409.	22 11	14.2	48	28	57.6



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Table B6-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
PAA553	B727	t	15966.	14.7	316.9	337.	15442.	0 11 50.0	58	103	73.6
DAL407	H/B767	t	8885.	21.7	205.5	291.	8253.	8 4 10.8	66	26	74.0
N168HC	C550	t	1982.	21.9	269.9	209.	1840.	8 8 10.2	68	25	77.7
PAA6243	B727	t	7767.	2.4	277.8	328.	7760.	8 17 16.6	69	51	82.6
N40SH	DC9	t	2110.	2.0	329.1	241.	2109.	8 23 31.9	77	16	85.1
MEP4	DC9	t	7692.	27.7	294.9	322.	6810.	11 53 37.1	75	23	83.6
AAL1513	B727	t	8678.	21.0	196.9	277.	8104.	20 33 59.5	69	45	81.5
USA869	MD80	t	8873.	10.8	270.3	254.	8715.	21 7 48.9	64	41	75.7



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Table B6-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
RIVER EDGE, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
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Table B7-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBRIIDGE, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA301	B73S	t	5298.	13.9	226.3	242.	5143.	7 21 25.5	63	68	75.9
USA83	B727	t	5248.	1.4	258.0	385.	5247.	8 0 27.3	81	42	93.9
COA349	H/A300	t	4790.	11.9	293.1	242.	4687.	8 55 29.6	70	31	81.5
USA1021	B73S	t	3106.	12.6	317.3	255.	3031.	13 55 17.2	73	18	80.9
COA651	B737	t	4771.	28.4	301.7	327.	4199.	13 56 24.2	72	36	84.4
COA171	H/A300	t	5894.	22.5	289.5	260.	5443.	15 26 1.0	69	40	80.8
COA293	MD80	t	7088.	10.2	303.6	246.	6975.	18 49 27.3	69	31	79.9
USA2230	B73S	t	4946.	2.1	288.2	311.	4943.	19 2 28.4	65	32	75.3
ABX175	H/DC8	t	5688.	15.6	304.6	246.	5478.	23 34 36.7	76	48	88.1
FDX401	B727	t	5716.	19.3	295.7	286.	5395.	23 51 37.0	79	39	90.9



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Table B7-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBIDGE, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
TWA133	MD80	o	14656.	14.3	202.7	370.	14202.	12 27 46.3	61	27	69.4
COA665	B737	t	4341.	3.1	303.6	219.	4335.	17 8 10.6	75	27	84.6
SAS912	H/B767	t	4958.	4.5	336.7	256.	4943.	19 3 18.3	66	30	75.6
N457H	G3	t	7098.	8.5	316.9	302.	7020.	20 36 21.5	69	48	82.6
USA254	B73S	t	5525.	26.5	313.9	266.	4943.	20 37 46.4	69	19	76.6
COA857	H/A300	t	5746.	1.8	202.2	253.	5743.	20 40 54.0	63	42	75.7
EW105	H/DC86	t	6221.	6.7	294.5	253.	6178.	23 7 38.8	73	33	84.0
AWE110	B757	t	5479.	21.5	276.8	251.	5097.	23 23 20.7	65	38	76.3



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Table B7-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBRIDGE, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
DAL377	B727	t	5566.	9.8	301.0	306.	5486.	5 45 10.9	79	44	91.4
UAL1161	B727	t	5257.	9.3	298.9	230.	5188.	7 35 57.1	78	40	89.3
COA639	H/A300	t	5858.	28.6	211.9	311.	5142.	7 54 29.0	69	30	79.3
UPS2077	H/DC87	t	5292.	14.3	284.5	340.	5129.	8 32 54.7	71	26	81.0
COA567	B73S	t	5505.	8.3	168.4	286.	5448.	9 12 13.0	68	23	77.3
COA305	B727	t	4989.	29.9	323.6	302.	4325.	9 34 2.3	77	20	87.6
COA431	B727	t	4397.	29.1	180.9	281.	3843.	9 36 21.3	84	20	92.5
N528JD	LR35	t	6322.	19.5	198.6	322.	5961.	9 39 0.1	63	26	71.7
FDX234	B727	t	4692.	15.8	256.7	241.	4513.	23 42 42.5	80	32	90.5
FDX401	B727	t	4882.	28.9	265.1	241.	4275.	23 44 41.8	79	31	90.7
N680FM	B727	t	6371.	19.8	282.7	265.	5995.	23 57 14.3	71	50	83.4



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Table B7-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBIDGE, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
FDX975	B727	t	4108.	16.0	267.1	236.	3949.	4 16 9.2	81	35	92.9
DAL377	B727	t	5504.	7.5	270.4	302.	5457.	5 37 0.3	75	49	88.6
COA609	B727	t	3983.	13.9	188.7	327.	3866.	8 9 26.5	81	29	91.7
N107MA	MU2	t	5972.	5.6	157.1	207.	5943.	14 51 33.3	65	25	74.3
COA1657	B737	t	6020.	13.8	280.5	242.	5845.	15 54 18.2	66	54	77.9
COA243	B727	t	4505.	23.1	170.1	310.	4143.	16 15 45.7	79	27	88.7
COA694	DC9	t	7165.	26.6	337.3	273.	6406.	19 23 42.3	72	23	81.1



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Table B7-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBRIDGE, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UAL31	H/B767	t	5686.	15.4	270.6	328.	5481.	8 25 17.1	64	90	78.6
COA223	H/A300	t	5401.	15.5	300.8	260.	5204.	9 1 45.1	70	38	82.0
N250B2	BE58	t	4992.	8.0	155.9	205.	4943.	9 12 36.7	62	75	74.8
COA353	B737	a	2987.	16.1	81.4	226.	2869.	13 51 32.7	62	25	71.2
COA1056	DC9	a	3037.	20.6	61.4	204.	2843.	14 9 33.9	66	25	74.8
ALO3716	SHD3	a	2734.	12.5	66.7	156.	2668.	14 57 45.4	62	44	72.9
USA398	B736	a	2947.	8.7	67.2	198.	2913.	15 8 52.9	68	18	76.7
COA244	H/A300	a	2818.	17.4	45.6	194.	2689.	15 52 26.6	68	27	78.9
CAA164	B727	t	10896.	11.2	154.0	354.	10688.	15 58 56.5	65	31	70.3
COA649	B737	t	9118.	25.2	163.1	326.	8252.	16 3 22.7	64	37	74.2
COA855	H/A300	t	5446.	1.8	176.8	276.	5443.	17 52 33.3	67	23	75.2
DAL331	H/L101	a	7559.	16.1	69.4	284.	7263.	19 8 55.9	63	38	74.1
DAL1421	B727	t	4306.	13.4	312.5	240.	4189.	19 22 43.0	80	28	90.2
COA290	B737	a	2044.	14.6	60.2	188.	1978.	19 54 32.1	74	17	82.5
COA857	H/A300	t	6388.	21.5	159.3	302.	5943.	20 45 24.8	59	48	71.4
COA350	H/A300	a	1895.	23.2	123.7	207.	1742.	21 3 39.5	72	19	82.2
USA80	B736	a	2972.	8.1	70.4	254.	2943.	22 8 25.3	63	27	73.2
DAL468	H/B767	a	2607.	9.8	55.7	258.	2569.	22 26 28.2	70	20	79.0
AAL612		a	3138.	20.6	70.5	212.	2937.	23 19 39.8	57	43	69.5



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Table B7-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBRIDGE, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
USA1022	DC9	t	6291.	19.0	173.8	266.	5946.	11 4 53.8	61	60	74.1
DAL895	MD88	t	6128.	9.6	163.4	301.	6043.	13 5 47.7	59	60	71.0
BTA3546	E120	a	3230.	19.8	53.2	212.	3040.	13 45 35.0	62	28	72.7
CAA1160	B727	t	6665.	23.1	140.1	260.	6130.	14 51 18.6	65	25	72.6
WSA208	CV58	a	2913.	25.7	57.6	197.	2626.	18 45 3.9	66	23	74.9
NWA30	B727	a	2203.	7.0	56.7	156.	2187.	18 57 28.6	75	22	83.9
DAL965	B727	t	5944.	1.1	152.4	314.	5943.	20 7 42.5	66	32	78.1
N102CJ	AC21	t	6005.	6.9	207.2	309.	5962.	20 49 15.4	65	42	77.1
AAL689	H/DC10	t	6352.	20.7	163.4	288.	5943.	21 12 40.3	71	60	82.2
COA1248	B737	a	2651.	27.9	61.4	187.	2343.	21 49 17.5	66	32	77.6
USA331	B737	t	6266.	18.5	171.7	288.	5943.	22 27 17.6	60	31	71.5
COA381	B727	t	6581.	25.4	178.0	308.	5943.	22 30 38.1	64	33	75.4
COA644	B737	a	1996.	10.1	79.1	185.	1965.	22 40 26.7	66	25	76.2



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Table B7-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBRIDGE, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
N750G	G159	a	3274.	26.0	61.7	192.	2943.	6 11 40.9	61	75	74.6
AAL1461	B727	t	6761.	26.2	180.3	340.	6064.	7 7 21.3	73	36	84.1
NWA1881	DC9	t	6050.	2.8	185.0	278.	6043.	7 32 37.2	61	47	73.0
PAA281	B727	t	6058.	4.1	163.9	305.	6043.	7 52 0.7	65	34	76.2
COA639	H/A300	t	5903.	8.2	161.3	307.	5843.	7 59 37.5	65	34	75.8
COA1900	B727	t	6306.	18.9	206.6	328.	5966.	8 6 52.7	67	47	78.7
AAL661	H/A300	t	6755.	28.4	155.1	323.	5943.	8 41 17.0	64	35	74.5
COA757	B727	t	5896.	7.5	180.1	314.	5845.	9 16 5.9	65	28	75.1
COA1779	DC9	t	10904.	21.1	169.4	360.	10173.	9 24 20.4	58	79	71.5
USA764	DC9	t	6020.	9.1	158.8	319.	5943.	9 27 37.1	61	34	72.0
COA542	MD80	a	2697.	7.3	90.3	256.	2675.	9 34 47.2	68	23	78.3
COA433	MD80	t	5986.	6.8	166.5	288.	5943.	9 37 38.8	64	33	73.7
BTA3440	AT42	a	2513.	21.2	59.2	251.	2343.	10 17 24.8	70	17	78.4
COA1772	B737	a	2417.	21.8	65.9	242.	2243.	10 23 56.2	65	22	74.4
COA347	MD80	a	2258.	19.1	68.4	264.	2133.	10 31 2.6	68	22	77.1
USA736	DC9	t	22282.	22.8	23.4	335.	20541.	10 56 14.1	69	14	76.6
DAL352	B727	a	9736.	9.4	61.0	293.	9606.	12 8 18.2	63	31	71.9
AAL1193	B727	t	6046.	8.1	157.6	263.	5986.	13 49 23.3	67	35	76.5
COA489	H/A300	t	6771.	26.8	157.9	300.	6043.	14 20 54.6	62	31	72.6
SUNY822	C12	t	6625.	19.5	167.9	195.	6243.	14 22 48.9	63	38	72.6
COA603	B73S	t	6013.	8.0	206.9	325.	5955.	15 25 15.7	63	32	71.7
COA534	B737	a	2794.	22.0	68.7	204.	2590.	15 45 39.7	68	23	76.6
COA649	MD80	t	5957.	3.9	143.0	262.	5943.	15 48 37.2	64	29	75.3
DLH406	H/EA31	a	2975.	8.4	45.4	183.	2943.	15 53 3.4	69	29	79.4
USA282	FK10	a	2903.	11.7	59.4	213.	2843.	16 57 37.3	65	29	73.7
USA2369	DC9	a	2663.	17.3	58.9	199.	2543.	18 15 11.2	67	24	76.9
UAL8055	B727	a	2886.	12.1	69.1	222.	2822.	18 21 46.6	70	27	80.4
NWA241	DC9	a	2967.	17.6	49.4	214.	2828.	20 16 18.5	68	28	78.8
USA654	DC9	a	3338.	27.8	58.4	245.	2953.	20 26 56.5	64	25	74.9



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Table B7-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
WOODBIDGE, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELAT	DST TIME	LAmx	DUR(s)	SEL(dBA)
FDX800	B727	a	2346.	2.9	63.5	245.	2343.	4 32 18.2	67	19	75.9
UPS6078	H/DC8	a	2792.	19.4	35.1	161.	2633.	4 56 3.6	73	24	82.8
DHL145	B727	a	2114.	14.9	102.6	227.	2043.	6 8 55.8	69	22	78.6
AAL941	B727	t	6162.	15.3	170.4	290.	5943.	7 34 39.0	64	49	76.1
ZAN954	L188	a	2919.	23.4	49.1	175.	2678.	7 45 24.9	75	23	83.0
COA1900	B727	t	6300.	19.4	174.1	293.	5943.	7 58 14.3	63	40	74.1
AAL661	H/A300	t	5947.	2.0	139.1	296.	5944.	8 21 28.0	65	25	74.8
COA439	DC9	a	2919.	20.2	57.5	261.	2740.	8 40 29.7	66	30	76.8
COA763	B73S	t	6024.	9.4	154.3	291.	5943.	9 5 27.1	62	33	72.1

MEASUREMENT SYSTEM DISMANTLED AT 09:30:30



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Table B8-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
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NO MEASUREMENT DATA
SYSTEM NOT DEPLOYED UNTIL 15:11:04, JUNE 26, 1991



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Table B8-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
LN385JD	C340	o	14085.	6.8	235.2	206.	13986.	20 16 14.9	67	8	71.2



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Table 88-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
FDX580	B727	a	5969.	12.6	1.5	312.	5825.	0 0 48.4	55	35	64.0
AAL120	H/DC10	a	6097.	10.9	343.8	244.	5986.	11 20 28.9	67	40	79.5
PCA3497	BE02	o	4191.	21.2	100.6	198.	3909.	14 37 35.9	57	35	67.8
DAL498	B727	a	5115.	17.0	23.8	283.	4893.	22 48 16.6	61	29	71.4



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Table B8-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
USA1929	B737	a	6667.	28.1	11.1	274.	5883.	7 15 28.4	58	75	71.7
COAB68	H/EA30	a	7549.	12.5	357.6	277.	7370.	23 42 21.6	63	20	69.0



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Table B8-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA765	MD80	t	13507.	18.3	164.8	357.	12822.	20 48 9.7	63	31	71.7



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Table 88-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UAL126	H/DC10	a	4237.	24.8	89.6	183.	3846.	20 39 41.1	65	32	75.2
AAL270	B727	a	8902.	6.8	124.1	314.	8839.	21 54 22.5	56	43	66.6
USA204	B73S	a	9286.	14.7	99.4	310.	8981.	23 7 48.3	52	65	64.6



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Table B8-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
BTA3480	AT42	a	4404.	3.9	81.4	300.	4394.	7 28 14.8	60	29	70.0
BTA3574	AT42	a	3807.	5.5	106.6	209.	3789.	16 44 23.4	66	9	71.7
COA228	B73S	a	9852.	25.6	95.8	327.	8886.	17 7 34.9	69	27	77.4
MID382	DC9	a	9208.	16.0	59.3	232.	8851.	17 49 3.4	61	44	72.2
COA676	B737	a	5236.	23.9	144.2	255.	4788.	19 3 55.6	62	21	69.8
AAL826	B727	a	7353.	22.6	25.2	249.	6786.	22 21 0.7	57	56	69.4
CAA5021	B737	a	5588.	3.1	30.2	257.	5580.	22 24 6.6	56	60	69.5
COA242	B727	a	5469.	20.8	12.1	248.	5113.	22 33 24.1	59	57	73.0
AAL584	B727	a	5859.	25.9	359.4	253.	5272.	22 40 14.8	58	50	70.9
DAL498	B727	a	6360.	14.2	355.9	270.	6166.	23 11 1.3	59	47	70.4



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Table B8-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
NORTH BRUNSWICK, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST	TIME	LAmx	DUR(s)	SEL(dBA)
COA782	H/A300	a	6932.	29.1	23.0	251.	6055.	0 25	19.8	55	76	68.9
FDX575	B727	a	5210.	20.3	36.4	264.	4886.	0 28	25.4	59	31	70.6

MEASUREMENT SYSTEM DISMANTLED AT 10:13:01



Table B9-1

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 25, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
NB490P	G3	t	10183.	20.4	289.0	344.	9544.	11 24 28.6	62	57	75.0
COA825	B737	a	5772.	19.4	25.1	268.	5443.	12 6 6.4	59	35	70.9
USA554	DC9	a	5548.	2.1	36.7	257.	5544.	13 50 7.8	62	30	71.3
NWA1886	DC9	a	5983.	24.8	71.9	180.	5432.	13 57 44.9	62	29	72.2
COA825	B737	t	14460.	24.5	315.1	304.	13159.	14 14 9.8	54	67	67.9
COA434		a	5446.	1.7	20.0	297.	5444.	14 56 10.0	61	24	69.9
COA763	B73S	a	6013.	22.8	50.4	232.	5544.	15 4 30.7	61	32	71.9
TWA565	DC9	t	14364.	26.4	295.6	417.	12869.	15 37 5.5	54	89	68.3
N51RX	SW3	t	11473.	4.1	280.8	181.	11444.	15 39 30.5	58	16	66.4
COA269	H/A300	t	10519.	7.5	293.8	362.	10430.	16 8 31.4	58	37	69.5
UAL318	B757	a	5575.	6.1	36.7	274.	5544.	16 55 44.5	55	54	67.6
N1454H		a	5977.	22.0	36.4	252.	5541.	16 56 58.8	61	38	72.7
USA571	B737	a	6037.	23.3	7.1	376.	5544.	17 27 37.8	58	34	70.0
N121AT	C560	a	2565.	7.3	47.3	224.	2544.	17 29 23.1	63	19	70.0
DAL836	B727	a	6137.	29.4	21.8	239.	5344.	17 46 54.7	62	39	72.9
COA1640	B727	a	5475.	6.1	17.7	277.	5444.	17 55 28.5	63	30	73.0
BTA3563	AT42	a	2577.	18.5	130.5	270.	2444.	18 11 32.7	68	19	76.8
COA694	DC9	a	5829.	21.3	78.6	220.	5430.	18 14 25.9	62	36	72.6
N700BD	DA01	a	2477.	9.3	41.0	330.	2444.	18 18 17.8	64	24	73.0
N5ES	DA01	a	2370.	8.6	33.6	202.	2344.	20 48 20.7	64	17	72.1
COA644	B737	a	5466.	5.2	33.0	246.	5444.	22 3 20.5	57	45	70.0
COA242	B727	a	5412.	9.1	38.6	254.	5344.	22 15 7.5	65	27	74.5
AAL674		a	5367.	5.3	40.4	292.	5344.	22 16 37.2	62	32	72.5



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Table B9-2

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 26, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
BTA3572	AT42	a	4626.	10.8	350.0	242.	4544.	15 0 7.3	60	30	70.6
DAL303	B727	o	13823.	21.3	240.2	441.	12878.	15 13 41.4	57	104	72.5
UAL426	B757	a	5841.	18.4	42.8	259.	5544.	15 17 54.8	56	96	70.1
N5117H	G2	a	4656.	21.1	56.9	202.	4343.	15 44 9.6	63	34	73.6
COA802	B727	a	5856.	21.6	320.6	200.	5444.	16 37 49.5	64	23	72.7
COA872	B73S	a	5799.	20.1	48.5	221.	5444.	16 57 24.6	63	27	72.8
BTA3548	AT42	a	2447.	2.8	128.6	241.	2444.	17 15 19.9	71	14	78.5
COA1298	B737	a	5467.	12.2	35.5	310.	5344.	17 17 1.7	62	28	71.4
AAL162	MD80	a	6162.	27.9	23.3	376.	5444.	17 21 22.0	60	33	71.1
USA571	B737	a	5417.	9.4	34.6	268.	5344.	17 25 40.8	63	24	71.0
BTA3414	E120	a	4635.	16.5	49.3	380.	4444.	18 8 51.4	61	22	70.1
USA2369	DC9	t	13249.	29.4	269.2	353.	11542.	18 27 48.5	56	85	70.2
TWA255	MD80	t	9843.	24.2	284.5	260.	8980.	19 15 28.8	70	7	73.3
PCA3637	BE02	o	7630.	15.7	206.7	334.	7344.	19 42 6.2	61	12	66.6
FDX773	H/DC10	a	4559.	12.9	51.8	261.	4444.	20 32 43.3	63	27	73.5



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Table B9-3

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 27, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
ABX175	H/DC8	t	13219.	29.7	306.8	350.	11486.	0 0 59.7	56	61	69.6
N255ST	LR55	t	12176.	8.5	245.4	353.	12043.	7 28 22.7	68	38	80.0
COA127	MD80	o	16047.	17.0	232.1	403.	15345.	7 45 18.5	67	12	73.3
USA819	B73S	t	8048.	7.7	297.2	263.	7975.	10 20 24.6	56	83	70.4
USA1125	FK10	t	14361.	24.7	288.2	316.	13044.	12 3 41.0	61	33	72.0
N919TG	G2	t	12962.	27.1	288.6	381.	11544.	12 7 3.0	60	52	72.8
N13PA	BE90	a	3569.	6.7	20.1	192.	3544.	12 33 2.0	63	22	71.1
BTA3512	AT42	a	3550.	14.0	102.5	237.	3444.	12 36 59.8	67	19	75.7
USA684	DC9	t	11344.	19.3	295.9	355.	10707.	12 41 30.1	60	34	69.4
DAL355	H/B767	o	15446.	3.4	238.2	366.	15418.	12 42 59.7	55	74	68.0
COA580	H/A300	a	5682.	12.6	2.4	220.	5544.	13 41 47.1	62	30	72.3
COA380		a	5950.	21.3	358.0	252.	5544.	14 0 48.9	61	44	73.2
BTA3572	AT42	a	5192.	28.9	26.5	213.	4544.	14 49 54.6	61	44	72.7
COA632	H/A300	a	6395.	29.9	14.7	240.	5544.	14 53 3.0	64	61	76.9
COA360	B73S	a	4651.	12.3	15.4	299.	4544.	15 0 6.7	63	15	68.9
USA488	B73S	a	4844.	20.3	35.6	196.	4544.	15 1 26.4	60	63	72.8
COA536		a	5977.	24.4	27.4	358.	5444.	16 41 7.5	64	17	70.1
AAL322	H/DC10	a	6259.	29.8	21.0	247.	5432.	17 15 17.2	57	50	69.2
COA318	B727	a	5515.	9.2	42.4	261.	5444.	17 35 50.8	62	32	72.4
NWA1890	DC9	a	5679.	16.5	44.8	217.	5444.	17 44 7.4	57	49	70.0
UPS2914	H/DC87	a	6206.	28.7	25.2	253.	5444.	18 51 47.3	62	35	72.3
COA442	B727	a	5525.	10.7	80.8	173.	5429.	18 53 23.4	63	34	74.8
USA1017	B73F	a	5490.	7.4	6.8	350.	5444.	19 19 22.4	58	38	69.7
USA1967	B73S	o	19623.	8.5	240.8	470.	19408.	20 40 41.3	56	47	68.8
COA662	B727	a	5964.	24.1	61.4	266.	5444.	20 49 31.1	60	43	72.3
PAA288	B727	a	5920.	23.1	38.2	274.	5444.	21 45 53.5	58	45	70.1
DAL126	B757	a	5630.	14.8	30.0	267.	5444.	21 50 31.5	53	49	65.3
UAL158	H/B767	a	5602.	13.6	72.5	262.	5444.	22 3 57.4	53	45	66.5
DAL600	H/B767	a	6152.	27.8	49.8	305.	5444.	22 9 1.0	55	40	68.4
USA399	DC9	o	18167.	26.6	244.3	405.	16244.	22 15 6.9	52	88	67.5
EW105	H/DC86	t	11811.	12.2	261.4	426.	11544.	23 21 45.0	58	66	72.4
W1G161	C208	a	5196.	25.3	88.5	192.	4697.	23 48 16.3	58	37	69.7



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Table B9-4

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 28, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	L _{Amax}	DUR(s)	SEL(dBA)
TWA111	B727	o	15119.	17.0	260.4	401.	14458.	7 5 46.5	57	107	73.3
COA1229	B727	t	13174.	16.4	333.4	353.	12635.	7 15 51.6	59	90	74.8
BTA3470	AT42	a	2582.	18.8	144.3	165.	2445.	9 58 2.2	63	27	72.4
N200GX	HS25	a	5802.	17.2	346.6	222.	5542.	10 30 36.9	55	50	67.0
COA129	MD80	o	14588.	4.7	224.3	474.	14538.	10 33 39.8	56	61	70.2
COA825	B737	a	5461.	4.5	30.8	244.	5444.	12 14 31.8	55	77	68.6
N400CC	G2	t	9122.	18.6	237.6	255.	8644.	13 45 57.2	60	58	72.3
COA1056	DC9	a	6255.	29.5	51.6	288.	5444.	14 6 9.8	60	24	68.6
COA880	B727	a	5446.	1.6	9.6	240.	5444.	14 23 52.6	60	41	70.9
N750G	G159	o	7791.	24.8	131.7	741.	7075.	15 44 59.9	66	14	72.3
COA318	B727	a	5474.	12.7	68.1	238.	5341.	16 56 57.6	60	37	70.8
AAL322	H/DC10	a	6222.	29.0	16.8	341.	5444.	17 2 49.9	56	40	67.5
COA1634	B738	a	5463.	4.8	55.9	273.	5444.	18 23 20.5	61	23	69.7
UAL1404	B727	a	5885.	19.6	34.2	155.	5544.	19 22 17.2	59	45	71.4
COA324	MD80	a	6109.	27.0	351.8	322.	5444.	19 53 59.6	58	35	69.3
COA849	B737	t	11092.	7.2	298.1	342.	11006.	20 30 30.8	58	66	72.3
ARU724	B727	a	6045.	25.8	30.5	335.	5444.	21 19 32.3	60	37	71.6
COA658	B727	a	5832.	21.0	47.6	316.	5444.	21 57 47.9	63	34	74.6
AAL1104	B727	a	5828.	20.9	8.7	250.	5444.	22 6 48.7	59	35	70.2
N444RL	BE10	a	3111.	18.9	90.1	238.	2944.	22 37 24.7	60	21	68.7
UPS1073	H/B747	t	10580.	7.7	260.5	351.	10485.	22 47 45.8	58	40	69.9
WIG150	C208	a	3217.	6.6	86.5	193.	3196.	23 59 10.1	61	22	69.7



Table 89-5

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 29, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
USA606	B73S	a	4621.	15.9	20.0	250.	4444.	8 3 42.3	62	26	70.6
NAO720	B757	a	4554.	12.6	55.8	265.	4444.	8 13 48.1	58	23	66.9
AAL1672	MD80	a	5811.	20.5	11.3	237.	5444.	9 48 58.5	59	36	69.3
USA1125	DC9	t	10234.	3.8	294.7	363.	10211.	12 4 11.6	61	36	72.0
BTA9513	E110	a	4620.	15.9	49.4	268.	4444.	12 46 57.0	64	27	72.8
COA353	B737	a	6016.	22.9	169.1	262.	5544.	13 46 48.1	59	33	69.3
COA660	B737	a	5779.	16.4	156.4	241.	5544.	14 9 23.1	58	40	69.2
COA825	DC9	t	13513.	29.4	284.1	347.	11773.	14 10 57.6	60	43	70.0
EW612	H/DC86	a	5529.	14.8	79.6	110.	5346.	14 13 31.7	60	29	70.6
VIR001	H/B747	a	5546.	1.4	163.3	276.	5544.	14 37 4.9	65	27	75.0
COA756	B737	a	5143.	13.1	167.2	262.	5009.	15 32 41.7	58	40	68.4
COA1011	DC9	t	14444.	21.5	326.8	351.	13441.	16 23 42.5	56	79	70.4
COA692	MD80	a	3605.	17.2	49.6	242.	3444.	17 23 54.9	64	26	73.8



Table B9-6

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JUNE 30, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
UAL185	H/DC10	t	11570.	21.4	311.4	319.	10771.	10 8 19.2	60	40	71.0
COA1772	B737	a	5740.	15.0	30.2	209.	5544.	10 17 49.7	61	36	71.3
USA1021	B73S	t	12527.	4.5	283.4	326.	12489.	13 16 6.4	57	44	68.4
COA25	H/B747	a	5809.	20.4	189.1	341.	5444.	15 3 2.0	66	28	76.8
COA669	B737	t	14077.	13.0	277.3	303.	13714.	15 21 17.3	58	99	74.5
COA534	B737	a	5450.	2.8	188.2	232.	5444.	15 38 36.2	61	28	71.4
COA244	H/A300	a	5597.	11.4	111.0	313.	5487.	15 48 10.9	64	19	70.7
N8784Y	PA30	a	3705.	18.6	41.2	177.	3512.	16 2 55.4	63	27	72.4
AAL1428	MD80	a	5807.	20.4	176.0	375.	5444.	16 31 6.2	63	20	71.6
COA872	B73S	a	5619.	14.3	93.6	272.	5444.	16 41 34.9	62	26	72.8
TWA136	MD80	a	5676.	16.4	159.5	260.	5444.	16 45 58.1	65	21	73.9
USA454	B73S	t	18834.	29.2	278.1	275.	16444.	18 42 10.1	60	49	72.2
USA425	B737	a	5472.	5.8	163.2	301.	5444.	18 56 49.6	63	27	73.2
BTA3675	AT42	a	4474.	6.7	161.5	227.	4444.	19 21 27.9	64	23	73.1
USA101	B737	a	6102.	26.8	181.6	254.	5444.	19 27 32.3	58	47	70.6



Table B9-7

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JULY 1, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
TWA443	H/L101	t	12921.	13.3	245.8	413.	12573.	7 4 54.1	54	86	68.8
USA1029	DC9	a	5745.	21.5	226.6	263.	5344.	7 39 0.4	63	26	72.5
COA449	B73S	a	5696.	17.1	207.1	207.	5444.	7 41 23.0	61	32	72.2
USA83	B727	t	13252.	15.9	296.1	364.	12746.	8 4 24.8	58	84	73.6
COA433	MD80	a	5792.	20.0	169.2	301.	5444.	8 13 2.3	62	28	72.8
COA848	B737	a	5667.	11.9	106.7	300.	5544.	9 32 12.0	61	25	70.4
COA750	B73S	a	5963.	24.1	177.7	446.	5444.	9 42 36.3	61	27	69.8
BTA3544	E120	a	4499.	8.9	143.5	193.	4444.	9 56 43.0	63	26	73.5
COA347	MD80	a	6192.	28.5	177.3	311.	5444.	10 26 23.1	57	25	66.7
SAS911	H/B767	a	5670.	16.2	181.1	213.	5444.	13 21 30.2	57	27	67.4
COA353	B737	a	5628.	14.7	177.0	341.	5444.	13 32 57.4	58	46	70.3
AAL881	B727	t	11645.	19.2	276.6	320.	10995.	14 5 14.4	60	49	72.7
COA25	H/B747	a	5961.	23.6	209.3	281.	5461.	14 24 30.4	64	28	74.5
USA195	DC9	a	5679.	12.5	172.0	304.	5544.	14 28 59.8	60	38	70.7
COA51	H/DC10	a	5548.	2.2	196.9	277.	5544.	15 2 52.5	63	28	72.7
COA877	B727	a	5582.	6.6	171.9	305.	5544.	15 23 49.9	63	26	72.6
DAL1161	H/B767	t	18543.	27.5	210.2	328.	16444.	16 55 36.1	59	31	68.3
ACA736	DC9	a	5478.	6.4	174.2	274.	5444.	17 41 9.5	62	27	71.4
VIR009	H/B747	a	5934.	23.4	180.9	330.	5444.	17 51 39.8	63	25	73.4
USA1567	DC9	a	5444.	0.3	183.8	308.	5444.	17 58 56.8	59	38	71.2
COA146	H/EA30	a	5910.	13.7	154.5	278.	5742.	18 39 52.4	63	27	72.4
BTA3561	AT42	a	4467.	5.8	174.4	250.	4444.	19 49 18.8	63	27	72.6
DAL683	B727	t	16565.	22.0	256.3	389.	15363.	20 8 6.1	57	102	72.7
COA329	MD80	t	12263.	14.6	258.9	352.	11869.	20 20 19.0	55	81	69.6
COA327	B727	t	13703.	24.5	243.4	402.	12471.	20 30 15.8	56	94	71.9
BTA3448	AT42	a	5573.	12.3	41.3	253.	5444.	21 10 30.6	59	40	70.9
COA477	MD80	t	16787.	29.0	327.2	344.	14684.	21 21 17.5	52	95	66.9
COA517	DC9	t	14017.	24.4	303.2	357.	12762.	22 11 59.7	55	77	69.8
DAL597	MD88	t	15047.	20.3	278.8	377.	14112.	22 15 36.5	55	71	69.6
USA399	DC9	t	14861.	11.9	251.0	424.	14544.	22 42 14.6	54	87	69.1



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Table B9-8

INDIVIDUAL AIRCRAFT EVENTS - RADAR TRACKING VERSUS NOISE LEVEL DATA
MENDHAM, NEW JERSEY - JULY 2, 1991
EXPANDED EAST COAST PLAN PROJECT - JUNE 25, 1991 THROUGH JULY 2, 1991

FLT ID	TYPE	AR/DP	SLR	ANGLE	HDNG	SPD	RELALT	DST TIME	LAmx	DUR(s)	SEL(dBA)
COA1229	B727	t	14352.	29.0	273.9	337.	12547.	7 5 22.2	63	84	78.2
COA769	B737	a	5972.	24.3	173.2	374.	5444.	7 40 39.1	60	38	71.4
N550TB	C550	a	2747.	27.2	40.3	245.	2444.	8 13 39.8	61	26	72.2
COA439	DC9	a	5361.	4.5	167.9	318.	5344.	8 34 59.9	62	33	73.1
USA715	FK10	a	5558.	11.6	187.8	314.	5444.	9 46 43.5	59	32	70.3

MEASUREMENT SYSTEM DISMANTLED AT 12:09:05