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Volume III - Compilation of Test Data (I)

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16. Abstract

Mechanisms of fan/compressor noise generation, transmission, radiation and propagation were physically defined and mathematically described in terms of functional relationships between acoustic, geometric and aerodynamic parameters. Based on these mechanisms, analytical and semi-empirical predictions of pure tone, broadband and multiple pure tone fan/compressor noise were established in terms of sound power spectra, directivity indices and the resultant sound pressure spectra.

Test data on a variety of fan and compressor vehicles were used to verify the basic prediction techniques and to study the impact of specific design parameters upon fan/compressor noise, including vane-blade spacing, vane and blade numbers, tip speed, blade loading, rotor sweep, inlet guide vanes and vane lean. Effects of refraction on tone directivities were measured and compared with expectations. Propagation of acoustic waves were studied, with specific experiments conducted to investigate ground reflection phase factor and atmospheric absorption at high frequencies.

The prediction systems were summarized in terms of flow charts and tables.

Volumes I and II contain a detailed discussion of the experimentation and analysis. Volumes III and IV are a compilation of the acoustic test data in the form of computer print-out sheets.

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Acoustics	Multipule pure-tone	Availability is unlimited. Document may be released to the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151 for sale to the Public.
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Broadband noise	Noise prediction	
Compressor noise	Noise reduction	
Fan noise	Discrete-tone noise	

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ABSTRACT

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VOLUME III

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INTRODUCTION - APPENDICES A-C

Appendices A-C contain the processed data from each test vehicle configuration, in the form of the computer print-out sheet. The acoustic data presented on these sheets consists of 1/3 octave sound pressure level at each angle and 1/3 octave sound power level for frequencies of 50 to 10K Hz, overall sound pressure level and perceived noise level at each angle, overall sound power level, and the directivity index. A detailed explanation of the terminology is presented in the following pages. All data has been corrected for standard day atmospheric absorption conditions. The data for D/V I (Appendix A) is at a 250 foot radius only; the data for D/V II and D/V III (Appendices B-C) is at both a 250 foot and a 150 foot radius.

LEGEND - APPENDICES

The printouts in Appendices A-C are easily interpreted with the assistance of the pertinent nomenclature explanations. Basically, these are as follows:

RADIAL, RADIAL DISTANCE	Arc distance in feet
VEHICLE	Engine identification
CONFIG	Engine configuration
LOC	Test Location - Peebles Proving Grounds (P.P.G.)
T/D, DATE	Date of test - month/day/year
R/D	Date of Reduction of Data month/day/year
RUN	Engine run number
RDG	Number of each reading for particular run
BAR, BAR PRESSURE	Barometric Pressure in inches of mercury
TAMB, AMBIENT TEMP (°F)	Dry Bulb Ambient Temperature, degrees Fahrenheit
TWET, WET-BULB TEMP	Wet Bulb Ambient Temperature, degrees Fahrenheit
HACT, ABS. HUMIDITY	Absolute humidity in grams per cubic meter
SPEED	Physical Fan Speed in revolutions per minute
CRPM	Fan speed corrected for Standard Day Temperature of 59°F
TAPE	Tape reel number on which acoustic data was recorded

Other nomenclature on each printout is explained as follows:

FREQ	Column heading for listing of 1/3 octave band center frequencies from 50 Hz to 10 KHz
ANGLES FROM INLET	Fifteen columns for each of the microphone positions. Position in degrees is listed with position in radians in parenthesis.
STANDARD DAY	All data is corrected to atmospheric absorption conditions of standard day [59°F (288.15)] 70% relative humidity
PWL	Sound power level
CASPL MEASURED	Overall sound pressure level measured with a broadband (0 - 40 KHz) filter
OASPL CALCULATED	Log summation of SPL's for each 1/3 octave band, for that particular measurement angle
OAPWL	Overall sound power level calculated by summation of power level spectra from 50 Hz to 10 KHz
PNdB	Perceived Noise Level (Reference SAE ARP 865)
DIRECTIVITY INDEX	Directivity Index, defined as the sound pressure level at a particular position and frequency minus the spaced average sound pressure level at that frequency

APPENDIX A

DATA FROM D/V I - 250 ft. arc.

(REF. VOLUME I SECTION IV)

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RADIAL 250.0
VEHICLE SH
CONFIG RUN 26
LOC FPG
DATE 12/11/68
RUN 435.
BAR 29.2
TAMB 35.0
TWET 29.0
HACT 2.56164
SPEED 05000
CRPM 5119.9
TAPE TM2/6.

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	69.1	72.1	67.8	68.9	69.2	70.5	68.5	69.6	67.1	67.1	66.6	67.6	70.2	72.3	71.4	126.8
63	65.5	68.3	64.6	73.3	68.2	69.2	66.7	70.4	65.4	66.1	65.6	66.4	72.3	71.6	70.4	126.7
80	66.0	68.8	65.7	66.3	66.3	68.3	66.8	67.8	66.7	67.3	67.1	67.4	69.3	70.2	70.0	125.4
100	63.9	67.1	63.3	64.4	65.5	67.5	66.5	66.3	65.1	65.4	66.4	66.6	69.0	69.3	68.3	124.4
125	63.0	65.7	61.2	62.3	63.7	65.8	64.6	64.7	64.1	64.0	64.9	64.9	74.1	68.1	70.3	124.2
160	63.4	63.3	60.6	62.5	62.0	64.1	63.6	64.9	64.0	64.1	64.8	63.5	64.8	65.1	64.1	121.7
200	60.8	59.9	56.4	61.6	53.1	60.0	59.8	61.8	61.5	61.2	62.0	60.9	61.7	58.8	62.2	118.9
250	55.5	55.8	55.2	55.3	55.0	55.6	56.1	57.6	58.1	57.2	57.0	55.6	56.3	59.4	61.9	115.4
315	56.3	56.9	58.5	59.5	58.7	56.7	56.3	56.8	56.4	57.8	59.4	61.0	62.2	62.9	62.9	117.5
400	57.9	60.8	61.2	63.7	61.5	60.9	60.4	59.5	59.1	59.9	61.9	64.0	64.7	65.0	63.2	121.4
500	60.7	63.2	63.2	64.0	62.8	63.1	62.8	62.8	63.0	63.8	64.9	65.7	64.7	63.3	62.9	122.2
630	63.2	65.3	66.1	64.9	65.6	65.9	66.0	66.0	66.0	67.6	67.8	68.3	66.5	64.1	63.3	125.1
800	62.7	65.5	66.7	65.1	66.1	64.6	64.2	65.7	67.4	69.1	68.4	68.2	65.6	65.2	63.0	125.4
1000	63.2	66.4	69.0	70.3	69.0	67.3	65.7	65.6	67.1	69.0	69.6	68.1	66.4	64.6	65.6	126.9
1250	64.1	69.6	72.6	72.3	72.0	70.4	69.4	69.2	70.0	71.7	71.6	71.8	67.8	65.5	68.3	129.9
1600	66.4	71.7	72.3	72.5	73.0	70.5	69.4	70.5	72.6	73.7	72.8	73.0	70.5	67.2	69.6	131.3
2000	66.2	72.1	73.4	73.6	74.5	70.8	70.1	71.5	72.3	73.0	72.2	74.4	70.0	66.4	70.8	132.0
25	65.8	71.4	73.2	72.8	73.1	70.0	69.3	72.0	72.7	72.6	71.8	74.4	69.7	65.3	70.4	132.2
31 0	70.0	77.4	80.7	78.0	77.3	78.6	76.0	74.3	75.5	79.0	80.4	76.9	71.9	73.4	72.9	136.3
4000	67.3	74.0	77.0	74.9	71.0	73.8	72.6	70.6	73.2	76.3	76.6	71.9	68.4	69.4	69.2	134.6
5000	67.7	74.5	75.6	76.1	73.6	73.6	73.5	73.1	75.6	77.1	76.2	75.3	70.2	68.7	71.0	134.3
6300	68.2	76.0	74.7	76.5	72.4	73.3	72.2	73.0	76.1	74.9	74.6	79.1	72.6	67.6	74.3	134.9
8000	65.3	71.8	73.7	74.6	73.4	72.5	70.6	69.0	70.4	73.8	77.4	75.3	67.7	69.2	68.3	132.2
10000	65.7	73.1	74.3	75.9	74.1	73.0	71.6	69.8	72.9	75.2	75.3	73.3	68.7	67.5	69.2	132.2
OASPL MEASURED	85.5	85.6	86.3	86.4	86.5	85.2	83.4	84.0	84.4	86.1	86.6	85.8	84.1	83.2	78.8	
OASPL CALCULATED	79.1	84.7	86.2	85.9	86.1	84.4	83.0	83.2	84.3	85.9	86.4	85.8	82.9	81.8	82.8	
OASPL	92.9	99.1	101.2	100.0	100.5	99.4	97.6	97.1	98.2	100.5	101.2	99.7	95.8	95.5	96.2	

OAPWL 146.2

DIRECTIVITY INDEX

FREQ.															
50	-0.0	3.0	-1.3	-0.1	0.1	1.4	-0.5	0.5	-2.0	-1.9	-2.4	-1.5	1.1	3.2	2.4
63	-3.3	-0.5	-4.3	4.4	-0.6	0.4	-2.1	1.5	-3.4	-2.8	-3.2	-2.4	3.5	2.7	1.6
80	-1.9	1.3	-1.8	-1.1	-1.2	0.8	-0.6	0.3	-0.7	-0.1	-0.4	-0.1	1.9	2.7	2.5
100	-2.4	0.7	-3.1	-1.9	-0.9	1.1	0.2	-0.1	-1.2	-0.9	0.0	0.3	2.7	3.0	1.9
125	-3.3	-0.6	-5.1	-4.0	-2.6	-0.5	-1.7	-1.6	-2.2	-2.3	-1.4	-1.4	7.7	1.8	3.9
160	-0.3	-0.3	-3.0	-1.2	-1.7	0.4	-0.0	1.3	0.3	0.4	1.1	-0.2	1.1	1.4	0.4
200	0.2	-0.7	-4.1	1.0	-2.4	-0.5	-0.8	1.3	0.9	0.6	1.5	0.3	1.1	-1.6	1.7
250	-1.4	-1.1	-1.7	-1.6	-1.9	-1.3	-0.8	0.7	1.2	0.3	0.1	-1.3	1.4	2.5	5.0
315	-2.7	-2.0	-0.4	0.6	-0.2	-2.2	-2.6	-2.1	-2.6	-1.1	0.5	2.1	3.3	4.0	4.0
400	-3.8	-0.9	-0.5	2.0	-0.3	-0.8	-1.3	-2.2	-2.6	-1.8	0.2	2.3	3.0	3.3	1.5
500	-2.7	-0.2	-0.2	0.6	-0.6	-0.3	-0.6	-0.6	-0.4	-0.4	1.5	2.3	1.3	-0.1	-0.5
630	-2.9	-0.8	0.0	-1.2	-0.5	-0.2	-0.1	-0.1	-0.1	1.5	1.7	2.2	0.4	-2.0	-2.8
800	-3.6	-0.9	0.4	-1.3	-0.2	-1.7	-2.2	-3.7	1.0	2.8	2.1	1.9	-0.7	-1.1	-3.3
1000	-4.4	-1.2	1.3	2.6	1.4	-0.3	-1.9	-2.0	-0.5	1.4	2.0	0.5	-1.2	-3.0	-2.0
1250	-5.3	-0.8	2.1	1.9	1.6	-0.6	-1.1	-1.2	-0.5	1.3	1.1	1.3	-2.7	-4.9	-2.1
1600	-5.2	0.1	0.7	0.9	1.4	-1.1	-2.2	-1.1	1.0	2.1	1.2	1.4	-1.1	-4.4	-2.3
2000	-5.8	0.0	1.3	1.5	2.4	-1.2	-2.0	-0.6	0.2	0.9	0.1	2.3	-2.1	-5.7	-1.2
2500	-6.2	-0.6	1.3	0.9	3.1	-2.0	-2.6	0.1	0.7	0.7	-0.2	2.5	-2.2	-5.7	-1.6
3150	-7.4	0.0	3.3	0.6	1.9	1.2	-1.4	-3.1	-1.9	1.6	3.0	-0.5	-5.5	-4.2	-4.5
4000	-6.2	0.5	3.5	1.4	-2.6	0.3	-0.9	-2.9	-0.3	2.8	3.1	-1.7	-5.1	-4.1	-4.3
5000	-6.7	0.1	1.2	1.7	-0.8	-0.8	-0.9	-1.3	1.2	2.7	1.8	0.9	-4.2	-5.7	-3.4
6300	-7.2	0.6	-0.7	1.1	3.9	-2.1	-3.2	-0.4	0.7	-0.5	-0.8	3.7	-2.8	-7.8	-1.1
8000	-7.8	-1.4	2.5	1.5	2.2	-0.7	-2.6	-4.2	-2.8	0.7	4.2	2.1	-5.5	-4.0	-5.2
10000	-7.3	0.1	1.3	2.8	1.1	0.0	-1.4	-3.2	-0.1	2.2	2.3	0.2	-4.3	-5.5	-3.8

A2

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PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 8.3

RADIAL 250.0
VEHICLE SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 436.
BAR 29.2
TAMB 35.0
TWET 29.8
WACT 2.96164
SPEED 05758
CRPM 5887.8
TAPE T8274.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20°0	30°0	40°0	50°0	60°0	70°0	80°0	90°0	100°0	110°0	120°0	130°0	140°0	150°0	160°0	PWL
50	68.2	67.6	66.2	66.3	65.2	66.9	67.0	68.6	69.4	69.3	69.7	70.8	72.0	74.0	77.2	127.7
63	63.3	62.0	62.8	72.6	65.1	65.4	65.5	70.0	68.1	68.4	69.2	70.3	73.8	74.9	76.3	127.7
80	64.2	63.7	64.7	64.9	65.1	65.9	66.2	67.8	68.9	68.6	69.0	70.2	71.5	73.9	74.7	126.6
100	66.7	65.9	64.5	64.9	69.1	68.8	69.9	71.6	72.1	70.6	69.7	70.7	72.4	73.2	73.4	128.2
125	62.4	64.4	62.6	62.8	64.2	65.1	65.8	66.6	67.9	67.7	68.9	69.5	74.8	73.3	72.7	126.6
160	60.6	61.7	60.6	61.1	62.7	64.3	65.2	66.0	66.5	66.6	67.8	67.2	67.8	69.2	66.5	123.8
200	61.8	61.3	60.2	62.6	60.7	63.9	66.4	68.6	65.7	64.7	68.6	65.5	64.3	63.4	65.4	123.5
250	56.3	56.0	57.7	57.4	57.1	56.5	58.8	59.2	61.1	59.9	59.9	58.5	61.0	62.1	63.8	117.6
315	58.5	59.5	62.0	63.8	61.7	59.9	59.4	59.4	60.4	61.6	63.6	64.8	66.8	66.5	65.6	121.1
400	62.8	64.4	64.8	66.4	64.9	64.9	65.1	64.3	64.2	63.7	66.4	68.3	69.3	68.6	67.2	124.5
500	64.8	66.8	66.8	67.4	67.1	67.0	67.8	67.3	68.2	66.9	69.0	69.9	69.9	68.0	67.2	126.5
630	66.4	68.2	69.3	69.4	68.6	69.1	69.0	69.1	69.9	71.1	71.0	70.9	70.1	67.7	68.2	128.4
800	69.6	68.1	70.1	69.6	69.2	68.1	67.1	68.8	69.3	71.2	71.1	69.1	68.1	68.2	67.9	128.1
1000	66.0	69.1	71.8	72.0	71.5	69.9	69.8	68.6	69.8	69.9	70.6	70.2	68.8	66.9	68.5	129.0
1250	67.5	72.3	75.0	75.3	74.3	72.6	72.4	72.6	73.4	74.3	75.0	75.0	71.8	68.7	71.6	132.8
1600	66.7	74.4	75.8	76.5	77.0	74.6	73.7	74.1	75.2	75.4	75.0	74.4	71.9	69.8	72.7	134.3
2000	69.4	74.8	75.5	76.2	77.8	74.3	74.2	75.6	75.8	75.6	75.4	76.5	71.7	68.9	73.7	135.0
2500	68.5	74.8	76.8	78.9	78.8	73.2	72.9	75.9	75.8	75.8	74.8	76.4	71.8	68.2	72.5	135.1
3150	70.1	76.8	80.4	79.1	77.4	79.2	78.8	74.9	76.4	78.4	79.4	74.5	78.3	72.4	71.5	137.8
4000	75.0	82.3	86.0	85.5	81.7	85.6	84.4	79.8	81.7	84.2	85.2	78.9	75.8	78.1	76.1	144.1
5000	78.9	77.6	78.1	79.3	77.3	77.3	78.5	78.6	80.4	80.9	79.9	78.9	73.5	71.9	74.6	139.8
6300	80.9	79.5	75.6	75.6	79.3	74.8	74.6	77.9	78.4	77.7	77.6	77.7	72.4	68.6	73.5	138.9
8000	69.9	74.8	80.0	76.8	81.1	76.8	76.4	78.1	75.6	78.2	81.6	77.9	71.4	72.4	72.7	141.6
10000	70.4	78.5	78.8	78.6	76.4	75.2	75.8	74.2	76.7	78.1	76.8	76.8	72.1	71.2	74.6	142.7
OASPL MEASURED	82.3	87.5	89.7	89.6	88.8	88.7	88.1	87.4	88.3	89.3	90.0	88.1	86.3	86.8	86.7	
OASPL CALCULATED	81.6	87.7	89.9	89.6	89.8	88.8	88.2	87.3	88.3	89.4	90.2	87.9	85.2	85.5	86.4	
PNDB	98.6	102.7	$10^{9.3}$	$10^{9.0}$	$10^{8.3}$	$10^{8.5}$	$10^{8.0}$	$10^{1.7}$	$10^{8.0}$	$10^{8.5}$	$10^{9.3}$	101.8	98.8	99.4	99.4	

OAPWL 150.0

DIRECTIVITY INDEX

FREQ.	20°0	30°0	40°0	50°0	60°0	70°0	80°0	90°0	100°0	110°0	120°0	130°0	140°0	150°0	160°0
50	-1.7	-2.3	-3.8	-3.6	-4.7	-3.0	-2.9	-1.3	-0.5	-0.4	-0.2	0.9	2.1	6.1	7.2
63	-6.6	-7.8	-7.0	2.7	-4.7	-4.4	-4.3	0.2	-1.8	-1.3	-0.6	0.4	4.0	5.1	6.5
80	-4.4	-4.9	-3.9	-3.7	-3.5	-2.7	-2.5	-0.8	0.2	-0.8	0.4	1.6	2.9	5.3	6.1
100	-3.5	-4.2	-5.6	-5.3	-1.1	-1.3	-0.3	1.4	2.8	0.4	-0.4	0.6	2.2	3.1	3.2
125	-6.0	-4.0	-5.8	-6.5	-4.3	-3.3	-2.6	-1.8	-0.5	-0.7	0.5	1.1	6.4	4.9	4.2
160	-4.9	-3.9	-4.9	-4.5	-2.8	-1.2	-0.3	0.5	1.8	1.1	1.5	1.7	2.2	3.6	1.0
200	-3.4	-3.9	-5.0	-2.5	-4.4	-1.3	1.2	3.4	0.5	-0.4	3.5	0.3	-0.9	-1.8	0.2
250	-2.9	-3.2	-1.4	-1.8	-2.1	-2.7	-1.2	0.1	1.9	0.7	0.7	-0.7	1.9	2.9	4.7
315	-4.2	-3.1	-0.5	0.4	-0.8	-2.6	-3.1	-3.1	-2.1	-1.0	1.0	2.3	4.3	4.0	3.1
400	-2.9	-1.4	-0.9	0.6	-0.8	-0.9	-0.6	-1.5	-1.5	-2.1	0.6	2.5	3.5	2.8	1.4
500	-3.0	-1.0	-0.9	-0.3	-0.6	-0.7	0.1	-0.4	0.5	-0.8	1.3	2.2	2.2	0.2	-0.5
630	-3.1	-1.2	-0.1	-0.8	-0.8	-0.4	-0.5	-0.3	0.4	1.7	1.6	1.4	0.7	-1.8	-1.3
800	-3.4	-0.9	1.1	-0.0	0.2	-0.9	-1.9	-0.2	0.5	2.2	2.1	0.1	-0.9	-3.8	-1.2
1000	-3.7	-0.4	2.1	2.3	1.8	0.2	-0.7	-1.1	-0.8	0.1	0.8	0.5	-1.7	-2.8	-1.2
1250	-5.8	-1.1	1.7	1.9	1.8	-0.7	-1.8	-0.8	0.0	1.0	1.6	1.7	-2.3	-4.6	-1.8
1600	-5.9	-0.1	1.3	2.0	2.4	-0.8	-0.9	-0.4	0.6	0.8	0.4	-0.2	-2.7	-4.8	-1.9
2000	-5.7	-0.3	0.4	1.2	2.6	-0.8	-0.9	3.6	0.8	0.5	0.3	1.5	-3.4	-6.2	-1.4
2500	-6.4	-0.1	1.1	1.0	3.9	-1.7	-2.0	1.0	0.9	0.1	-0.9	1.4	-4.0	-6.7	-2.4
3150	-7.2	-0.5	3.2	1.9	0.1	2.0	0.8	-2.3	-0.8	1.2	2.2	-2.7	-6.9	-4.8	-5.8
4000	-8.0	-0.6	3.0	2.6	-1.2	2.6	1.4	-3.2	-1.3	1.3	2.2	-4.1	-7.1	-4.8	-6.9
5000	-7.4	-0.7	-0.2	1.0	-1.0	-1.0	0.2	0.3	2.1	2.6	1.6	0.6	-4.8	-6.4	-3.7
6300	-7.5	-0.9	-0.8	-0.9	2.9	-2.4	-1.8	1.5	2.0	1.3	1.3	1.3	-4.0	-7.9	-2.9
8000	-7.7	-0.8	2.4	-0.8	3.5	-0.9	-1.2	-1.5	-2.0	0.6	4.0	0.2	-6.2	-5.2	-4.9
10000	-4.1	1.9	2.2	2.0	-0.2	-1.4	-1.6	-2.4	0.1	1.9	3.2	0.2	-4.5	-5.4	-2.0

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 28 HR. 0.3

RADIAL 250.0
VEHICLE -SN
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 437.
BAR 29.2
TAMB 35.0
TWET 29.0
MACT 2.56164
SPEED 0400.0
CRPM 6143.8
TAPE T8276.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	69.7	69.2	68.8	68.0	68.4	68.7	66.1	68.5	68.9	69.9	70.8	72.6	74.1	77.5	80.9	129.5
63	65.3	64.4	65.2	72.9	67.6	67.1	67.1	70.0	68.4	69.5	70.4	71.5	75.2	77.2	80.5	129.5
80	65.4	65.5	66.2	66.3	67.1	67.3	67.7	68.3	69.0	69.7	70.4	71.5	73.4	75.7	78.8	128.4
100	69.2	69.5	69.2	69.4	71.3	71.7	72.8	74.8	74.2	73.6	72.8	73.8	74.8	75.9	78.0	131.1
125	64.3	66.0	64.8	63.9	66.2	66.9	67.6	68.5	68.9	69.3	70.5	71.5	74.8	75.1	76.6	128.4
160	62.0	63.5	62.7	62.1	64.2	65.5	66.5	67.4	67.3	67.5	68.3	68.5	69.5	71.0	73.0	125.5
200	62.9	63.7	60.8	63.1	61.9	63.7	66.5	68.9	67.7	66.7	69.1	67.1	67.4	64.5	70.7	124.8
250	57.9	56.9	58.3	57.6	56.6	58.0	58.6	61.5	62.6	60.9	64.8	64.1	65.3	69.1	69.1	119.6
315	58.5	60.1	62.8	63.7	62.9	60.9	60.1	60.5	61.0	63.5	64.5	66.8	68.4	69.9	70.0	123.2
400	63.6	66.0	64.6	66.4	67.2	67.5	66.7	65.3	65.0	65.9	67.9	70.6	71.7	70.8	70.6	126.5
500	65.8	66.5	69.0	66.5	66.5	66.7	69.6	66.6	66.8	66.8	70.4	72.2	71.9	69.7	66.8	126.2
630	66.5	71.5	72.4	71.1	69.9	70.6	70.7	71.0	71.3	72.6	72.7	72.5	72.2	69.5	66.8	130.2
800	66.0	71.9	72.7	69.8	66.2	67.5	66.4	70.9	71.5	72.4	72.1	70.1	66.7	69.3	66.3	129.4
1000	66.5	70.3	72.4	72.4	72.0	70.8	69.2	69.2	70.3	71.1	71.8	72.2	66.6	66.7	71.0	130.0
1250	66.4	73.3	75.9	76.2	75.9	75.0	74.1	74.5	74.9	76.2	76.9	76.5	72.7	70.8	73.0	134.4
1600	69.9	76.6	77.0	75.9	75.9	75.0	73.4	75.6	77.2	76.7	76.1	75.7	73.0	71.1	73.7	135.1
2000	69.0	74.9	76.7	76.2	78.8	76.7	75.4	76.9	77.2	77.7	76.8	77.8	72.7	70.5	74.6	136.3
2500	69.0	76.5	76.9	75.2	79.1	74.9	73.5	76.8	77.4	76.3	75.1	77.3	71.7	69.8	73.9	136.8
3150	68.5	75.5	78.7	75.5	76.4	77.8	75.5	74.6	76.3	77.8	77.8	74.2	69.8	71.3	70.8	136.4
4000	77.4	85.2	86.4	87.2	84.5	90.3	87.3	84.0	86.2	87.9	87.6	81.4	78.6	80.9	79.0	147.3
5000	78.9	78.3	78.5	77.9	77.1	78.7	73.6	81.4	81.7	81.4	79.5	77.7	73.2	72.3	74.6	140.3
6300	69.8	76.7	76.8	76.1	79.6	77.1	77.4	82.6	81.9	80.8	78.3	79.3	74.3	70.2	74.6	141.1
8000	78.0	76.5	80.4	77.1	81.7	79.2	76.9	77.3	78.2	79.9	82.1	78.8	71.8	73.9	71.7	142.6
10000	78.3	78.1	78.1	76.4	78.2	75.8	73.8	74.9	78.1	80.1	80.5	78.3	73.4	72.4	74.1	143.1
OASPL MEASURED	83.4	88.9	91.0	90.0	89.8	91.5	89.5	89.6	90.5	91.3	91.1	89.4	88.0	88.8	91.3	
OASPL CALCULATED	82.9	89.1	91.3	90.1	89.9	91.8	89.9	89.8	90.8	91.6	91.4	89.1	86.8	87.3	89.1	
PNDB	98.8	104.7	107.0	105.9	104.9	107.8	105.7	104.4	106.1	107.1	106.9	103.5	100.7	101.5	101.6	

OAPWL 151.6

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-2.0	-2.5	-2.9	-3.7	-3.3	-3.0	-3.6	-3.2	-2.8	-1.8	-0.9	0.3	2.4	5.8	9.2
63	-6.4	-7.2	-6.4	1.3	-4.1	-4.5	-4.5	-1.6	-3.3	-2.1	-1.3	-0.2	3.6	5.6	8.9
80	-5.0	-4.9	-4.2	-4.2	-3.3	-3.1	-2.7	-2.1	-1.4	-0.7	-0.1	1.1	3.8	5.3	8.3
100	-3.8	-3.5	-3.8	-3.7	-1.8	-1.3	-0.2	1.8	1.2	0.6	-1.8	-3.1	1.8	2.8	5.0
125	-5.9	-4.2	-5.4	-6.4	-4.0	-3.3	-2.7	-1.8	-1.3	-0.9	0.3	1.3	5.7	4.8	6.4
160	-5.2	-3.7	-4.5	-5.2	-3.1	-1.7	-0.8	0.2	0.1	0.2	1.8	1.3	2.7	3.7	5.7
200	-3.5	-2.7	-5.6	-3.3	-4.5	-2.7	0.1	2.5	1.3	0.3	2.7	0.7	1.8	-1.9	4.3
250	-3.3	-4.3	-2.8	-3.6	-4.6	-5.1	-2.6	0.3	1.4	-0.3	-0.4	0.1	1.9	4.2	7.9
315	-6.1	-4.5	-1.8	-0.9	-1.7	-3.7	-4.5	-4.1	-3.6	-1.1	-0.1	3.4	4.9	5.1	5.4
400	-4.3	-1.9	-1.2	0.6	-0.5	-0.3	-1.1	-2.5	-2.8	-1.9	0.1	2.8	3.8	3.0	2.8
500	-3.6	-0.8	-0.4	-0.9	-0.5	-0.7	0.2	-0.7	-0.6	-0.6	1.8	2.8	2.9	0.4	-0.6
630	-2.7	0.2	1.2	-0.1	-1.3	-0.6	-0.5	-0.2	0.1	1.3	1.4	1.3	1.0	-1.7	-2.5
800	-2.3	1.2	2.4	-1.3	-2.1	-2.7	-1.9	0.6	1.3	2.1	1.8	-0.2	-0.6	-1.0	-1.9
1000	-4.2	-0.4	1.7	1.7	1.3	0.1	-1.5	-1.5	-0.4	0.4	1.0	1.5	-1.1	-2.1	0.3
1250	-6.5	-1.6	1.0	1.2	0.9	0.1	-0.9	-0.4	-0.0	1.3	1.9	1.5	-2.2	-4.1	-1.9
1600	-5.5	1.2	1.6	0.5	0.5	-0.4	-2.9	0.2	1.8	1.3	0.7	0.3	-2.4	-4.3	-1.7
2000	-7.3	-1.4	0.4	-0.1	2.5	0.4	-0.9	0.2	0.9	1.4	0.5	1.5	-3.7	-5.8	-1.7
2500	-6.8	0.7	1.1	-0.6	3.3	-0.9	-2.3	0.8	1.6	0.5	-0.7	1.5	-4.1	-6.0	-1.9
3150	-7.3	-0.3	2.8	-0.3	0.5	2.0	-0.3	-1.2	0.4	2.0	1.9	-1.6	-6.8	-4.5	-5.0
4000	-8.8	-1.0	2.2	1.0	-1.7	4.1	1.1	-2.2	-0.0	1.7	1.3	-4.8	-7.6	-5.3	-7.2
5000	-8.0	-0.6	-0.4	-1.0	-1.8	-0.2	-5.3	2.6	2.9	2.5	0.6	-1.2	-5.7	-8.6	-4.3
6300	-8.9	-2.0	-2.7	-2.6	0.9	-1.6	-1.2	3.9	3.2	1.3	-0.4	0.6	-4.4	-8.5	-4.1
8000	-8.5	-2.1	1.8	-1.5	3.1	0.6	-1.7	-1.3	-0.4	1.4	3.5	0.2	-6.8	-4.7	-6.8
10000	-6.7	1.1	1.1	-0.6	-0.7	-2.0	-3.1	-2.1	1.1	3.1	3.5	1.3	-3.6	-4.6	-2.9

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE SM
CONFIG RUN 26
LOC PS
DATE 12/11/68
RUN 438.
BAR 29.2
TAMB 35.0
TWET 29.0
MACT 2.56164
SPEED 06200
CRPM 6348.6
TAPE T8276.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	69.2	69.1	69.0	68.1	67.7	68.2	68.6	69.4	70.1	70.8	71.7	73.0	74.1	77.7	79.8	129.5
63	64.8	64.8	66.2	73.0	67.1	66.8	67.4	70.6	69.0	70.1	70.9	72.6	73.4	77.1	79.2	129.4
80	65.1	65.2	65.4	66.2	66.3	66.9	68.0	68.7	69.1	70.1	70.9	72.3	74.3	76.3	78.3	128.6
100	66.5	67.3	68.5	68.4	68.1	71.2	72.1	75.0	74.6	73.6	74.9	74.4	76.7	76.5	76.8	131.4
125	64.9	66.6	65.6	64.4	66.5	67.7	68.9	69.4	70.4	70.7	71.9	72.9	76.5	76.6	75.2	129.2
160	63.1	64.0	62.5	63.1	64.6	66.1	67.4	68.4	68.5	68.4	69.3	69.8	70.9	72.4	69.8	126.2
200	64.4	64.6	61.7	64.9	62.8	66.1	68.0	70.6	69.7	67.5	70.4	70.3	68.0	64.8	65.9	126.1
250	59.6	58.1	59.4	58.7	57.5	58.5	61.2	63.4	64.1	62.1	62.2	62.3	63.8	64.5	61.5	120.1
315	59.6	60.6	63.7	64.2	62.6	61.2	61.5	62.1	62.8	64.3	65.4	68.5	70.6	70.4	65.5	123.7
400	63.9	66.3	66.5	67.6	66.8	67.1	66.8	66.0	66.1	66.8	68.9	71.6	72.6	72.0	69.8	127.0
500	66.5	68.7	69.0	69.3	69.0	69.6	70.2	69.5	69.6	69.6	71.5	73.2	73.0	71.4	70.8	129.1
630	68.5	70.9	71.5	72.0	71.2	71.7	71.5	71.8	72.4	73.9	73.7	74.1	73.1	70.7	71.4	131.1
800	68.8	70.4	72.3	73.8	70.8	69.9	69.8	71.9	72.4	73.7	73.8	73.8	70.4	70.3	70.6	130.6
1000	66.9	70.6	72.5	72.5	71.5	71.1	70.3	70.5	71.1	72.6	73.3	72.7	70.4	69.1	69.6	130.6
1250	70.1	74.6	76.7	77.5	77.0	76.0	75.0	75.7	76.1	77.3	78.1	77.8	73.5	71.7	73.7	135.5
1600	70.7	76.1	77.7	77.1	77.8	76.0	75.3	76.0	77.8	77.6	77.2	77.8	74.0	71.4	74.7	136.1
2000	69.4	75.1	75.9	76.4	78.8	76.7	75.7	76.8	77.1	77.4	77.0	78.5	73.4	70.6	74.1	136.4
2500	69.0	75.7	76.1	75.7	79.5	75.4	74.8	77.3	77.3	76.7	75.7	78.4	72.1	69.6	73.8	136.4
3150	68.0	74.9	77.8	75.3	78.6	77.7	75.9	74.5	75.5	77.2	77.6	75.1	69.2	70.7	70.4	136.2
4000	78.9	86.0	89.2	88.4	85.1	92.3	89.8	84.6	86.2	88.0	88.6	82.2	80.1	82.1	80.3	148.6
5000	71.1	78.3	78.7	79.2	77.6	78.7	79.7	79.3	81.0	81.1	80.1	78.3	73.3	72.3	74.4	140.3
6300	71.8	77.4	77.8	78.2	81.2	78.3	80.3	83.6	83.3	82.1	81.6	81.8	75.8	71.2	75.4	142.9
8000	70.0	77.2	81.7	78.8	81.8	81.5	80.1	77.2	78.3	80.4	82.6	79.7	72.2	74.9	71.5	143.5
10000	70.2	77.8	77.8	77.9	76.0	76.3	76.1	75.4	78.6	80.3	81.0	80.1	74.6	71.7	73.9	143.8
OASPL MEASURED	84.0	89.3	91.5	90.9	90.4	93.1	91.5	90.2	90.9	91.7	92.2	90.7	88.8	89.4	90.3	
OASPL CALCULATED	83.5	89.5	91.8	91.2	90.5	93.8	92.0	90.2	91.1	91.9	92.4	90.3	87.7	88.0	88.6	
PNDB	99.0	105.1	107.5	106.9	105.4	109.5	107.8	105.1	106.3	107.4	107.9	104.6	101.8	102.3	102.0	

OAPWL 152.5

DIRECTIVITY INDEX

FREQ.															
50	-2.6	-2.7	-2.8	-3.7	-4.1	-3.6	-3.2	-2.4	-1.6	-1.0	-0.1	1.2	2.4	6.0	8.0
63	-6.7	-6.7	-5.3	1.4	-4.5	-4.8	-4.2	-1.0	-2.5	-1.5	-0.7	1.0	3.8	5.5	7.7
80	-5.6	-5.4	-5.2	-4.5	-4.4	-3.8	-2.6	-1.9	-1.5	-0.4	0.3	1.7	3.6	5.6	7.6
100	-4.8	-4.0	-4.8	-4.9	-5.2	-2.2	-1.2	1.7	1.3	0.3	1.6	1.1	3.4	3.2	3.4
125	-6.1	-4.5	-5.5	-4.6	-4.6	-3.4	-2.1	-1.6	-0.7	-0.3	0.8	1.8	5.4	5.5	4.1
160	-4.8	-3.9	-5.5	-4.9	-3.4	-1.9	-0.5	0.4	0.5	0.5	1.3	1.9	3.8	4.5	2.0
200	-3.3	-3.1	-4.0	-2.9	-4.9	-1.6	0.3	2.8	1.9	-0.2	2.7	2.6	0.3	-2.9	-1.8
250	-2.0	-3.5	-2.2	-3.8	-4.1	-3.1	-0.4	1.8	2.5	0.4	0.5	0.7	2.2	2.8	-0.1
315	-5.5	-4.5	-1.4	-0.9	-2.5	-3.9	-3.6	-3.0	-2.3	-0.8	0.3	3.4	5.5	5.2	0.4
400	-4.3	-2.0	-1.8	-0.7	-1.5	-1.2	-1.4	-2.3	-2.1	-1.5	0.6	3.3	4.4	3.7	1.5
500	-3.8	-1.5	-1.3	1.0	-1.2	-0.7	-0.1	-0.7	-0.7	-0.6	1.3	3.0	2.7	1.1	0.6
630	-3.6	-1.3	-0.7	-0.1	-1.0	-0.5	-0.6	-0.3	0.3	1.7	1.5	2.0	0.9	-1.4	-0.7
800	-3.5	-1.1	0.8	-0.7	-0.7	-1.6	-1.7	0.4	0.9	2.2	1.8	1.5	-1.1	-1.2	-0.9
1000	-4.4	-0.7	1.1	1.2	0.2	-0.2	-1.0	-0.8	-0.3	1.2	1.9	1.4	-0.9	-2.2	-1.7
1250	-6.0	-1.5	0.6	1.5	0.9	-0.1	-1.1	-0.3	0.1	1.3	2.8	1.7	-2.5	-4.4	-2.4
1600	-9.7	-0.3	1.3	0.7	1.4	-0.4	-1.1	-0.4	1.3	1.2	0.8	1.4	-2.4	-5.0	-1.7
2000	-7.0	-1.3	-0.5	-0.0	2.4	0.3	-0.7	0.3	0.7	1.0	0.6	2.1	-3.0	-5.8	-2.3
2500	-7.2	-0.4	-0.1	-0.4	3.3	-0.8	-1.4	1.1	1.2	0.5	-0.4	2.2	-4.0	-6.6	-2.4
3150	-7.6	-0.7	2.2	-0.3	0.9	2.1	0.2	-1.1	-0.1	1.6	1.9	-0.5	-6.4	-4.9	-5.2
4000	-8.6	-1.4	1.8	1.0	-2.3	4.9	2.3	-2.9	-1.2	0.5	1.2	-5.2	-7.4	-5.3	-7.1
5000	-7.8	-0.6	-0.1	0.3	-1.3	0.8	0.8	0.5	2.2	2.3	1.3	-0.6	-5.6	-4.6	-4.4
6300	-9.4	-3.0	-2.6	-2.2	0.8	-2.1	-0.1	3.2	2.8	1.7	1.2	0.6	-4.6	-9.2	-5.0
8000	-9.5	-2.3	2.2	-0.7	2.2	2.0	0.6	-2.3	-1.3	0.8	3.0	0.1	-7.3	-4.7	-8.0
10000	-7.4	0.2	0.2	0.3	-1.6	-1.3	-1.5	-2.2	1.0	2.7	3.4	2.5	-3.0	-5.9	-3.7

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE -SH
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 439
BAR 29.2
TAMB 35.0
TWET 29.0
HACT 2.96164
SPEED 86450
CRPM 6604.6
TAPE T8276.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PNL
50	69.2	69.4	69.6	68.4	68.1	69.4	69.3	70.4	71.5	72.4	73.1	74.5	76.4	80.7	82.3	131.4
63	65.3	64.2	66.5	73.1	68.1	68.7	68.6	70.9	70.3	71.9	73.5	74.6	77.0	80.3	81.7	131.3
80	65.2	65.9	67.0	67.3	67.9	68.2	69.5	68.7	70.5	71.4	72.7	74.1	76.2	78.5	78.9	130.3
100	65.2	66.0	69.8	70.4	69.8	73.4	72.4	73.5	73.9	73.7	74.8	74.5	77.1	78.5	78.5	131.8
125	65.8	67.6	67.1	66.9	67.9	70.1	70.1	70.8	71.8	71.8	73.3	74.8	77.0	78.2	78.6	130.5
160	63.2	65.0	64.0	63.8	65.7	67.5	68.8	69.6	69.3	69.4	70.3	70.8	72.0	74.1	74.6	127.4
200	63.3	64.2	63.4	64.6	63.4	65.4	67.8	71.0	69.3	70.1	71.5	67.7	67.5	68.4	68.2	126.4
250	59.3	58.5	61.3	61.5	59.3	59.9	62.2	65.5	65.1	64.0	64.6	64.1	65.7	67.9	69.3	122.3
315	61.7	63.7	67.4	67.1	65.3	64.0	62.8	62.6	64.1	65.2	68.2	70.8	72.3	71.8	71.8	125.9
400	68.4	68.5	67.9	70.0	68.9	68.8	69.3	67.0	67.7	68.2	71.0	73.5	73.9	73.2	71.5	128.7
500	68.0	70.4	71.0	71.1	70.7	71.3	71.3	70.8	71.4	71.4	73.7	75.0	74.3	72.2	71.4	130.6
630	69.5	72.1	73.3	72.5	72.5	73.1	73.2	73.3	73.9	75.0	74.9	74.9	74.3	72.2	71.3	132.3
800	68.1	70.0	72.1	69.9	70.7	71.7	72.8	73.8	73.6	74.2	72.9	71.9	71.2	71.7	71.7	131.1
1000	67.6	71.1	73.3	73.7	72.5	71.9	71.1	71.4	72.3	73.5	73.9	74.4	73.8	70.8	71.8	131.6
1250	71.1	76.2	79.5	78.6	78.5	76.9	75.6	75.7	77.6	79.4	79.8	78.0	74.6	72.5	74.5	136.7
1600	70.8	75.2	77.4	77.2	78.2	77.4	74.9	77.3	79.5	79.0	77.1	77.3	74.3	72.9	75.4	136.8
2000	70.7	76.8	78.7	78.3	80.4	77.6	76.2	77.5	78.2	78.1	77.7	76.8	73.6	71.7	75.3	137.4
2500	69.5	75.5	76.8	75.9	80.1	78.5	75.2	78.8	78.3	77.4	75.9	77.8	73.2	70.6	74.7	136.8
3150	66.6	75.1	78.3	75.6	75.7	77.0	75.4	74.9	76.1	76.9	77.4	73.9	68.9	71.5	71.2	136.1
4000	70.7	86.7	90.4	90.5	86.8	91.1	89.3	86.0	87.6	88.1	87.7	82.9	79.7	82.1	81.1	148.8
5000	71.6	79.0	79.9	80.8	78.4	80.3	80.0	80.1	82.3	81.7	80.1	77.7	73.6	73.8	75.4	141.0
6300	69.8	76.8	76.2	78.7	81.1	77.7	78.6	84.3	85.1	81.7	80.1	80.7	75.9	72.1	76.1	143.0
8000	70.6	77.1	81.1	79.7	82.1	81.1	79.2	78.2	79.1	81.0	82.6	79.5	72.5	75.4	72.2	143.6
10000	69.2	75.8	78.3	77.6	75.8	75.7	75.7	76.1	79.2	80.7	81.3	80.3	74.8	72.4	73.7	143.8
OASPL MEASURED	84.3	89.8	92.4	92.3	91.3	92.6	91.4	91.0	92.2	92.3	92.2	91.1	89.7	91.2	92.0	
OASPL CALCULATED	83.7	89.8	92.7	92.7	91.4	93.0	91.7	91.1	92.4	92.4	92.2	90.5	88.4	89.5	90.1	
PNDB	99.1	105.6	108.5	108.5	106.7	108.8	107.6	108.2	107.5	107.8	107.5	104.9	101.9	103.8	103.0	

OAPWL 152.9

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-4.4	-4.3	-4.6	-5.3	-5.9	-4.3	-4.6	-3.2	-2.1	-1.2	-0.6	0.1	2.7	7.1	8.6
63	-8.1	-7.3	-7.0	-0.4	-5.3	-4.8	-4.9	-3.6	-3.2	-1.6	-0.0	1.1	3.6	6.8	8.2
80	-7.2	-6.5	-5.4	-5.0	-4.5	-4.1	-2.9	-2.6	-1.8	-0.7	0.4	1.7	3.9	6.2	7.5
100	-5.5	-5.7	-3.9	-3.3	-3.9	-0.4	-1.3	-0.2	0.2	-0.0	0.3	0.8	3.3	4.8	4.8
125	-6.5	-4.8	-5.2	-5.4	-4.5	-2.3	-2.2	-1.5	-0.5	-0.6	1.0	1.7	4.7	5.9	4.3
160	-5.9	-4.1	-5.2	-5.4	-3.4	-1.7	-0.3	3.5	0.2	0.3	1.2	1.6	2.9	4.9	2.5
200	-4.7	-3.9	-4.7	-3.5	-4.7	-2.7	-0.3	2.9	1.2	2.0	3.4	-0.4	-0.6	0.3	1.1
250	-4.5	-5.4	-2.5	-2.4	-4.6	-4.0	-1.6	1.6	1.3	0.1	0.7	0.2	1.9	4.1	5.4
315	-5.7	-3.6	0.1	-0.2	-2.1	-3.3	-4.4	-4.7	-3.3	-2.2	0.8	3.4	4.9	4.4	4.4
400	-3.6	-1.5	-2.1	-0.0	-1.1	-1.2	-0.8	-3.0	-2.3	-1.9	1.0	3.5	3.9	3.2	1.4
500	-3.8	-1.5	-0.9	-0.7	-1.1	-0.5	-0.2	-1.1	-0.5	-0.5	1.9	3.1	2.4	0.4	-0.4
630	-3.9	-1.2	-0.1	-0.8	-0.9	-0.3	-0.2	-0.1	0.5	1.6	1.9	1.9	0.9	-1.2	-2.0
800	-3.9	-2.0	0.1	-2.1	-1.3	-0.3	0.0	1.0	1.8	2.2	0.9	-0.9	-0.8	-0.3	-0.3
1000	-4.6	-1.2	1.0	1.4	0.2	-0.4	-1.3	-1.0	-0.0	1.2	1.6	2.1	-1.5	-1.6	-0.5
1250	-6.2	-1.1	2.2	1.3	1.2	-0.4	-1.6	-1.5	0.3	2.1	1.7	0.7	-2.6	-4.7	-2.7
1600	-6.3	-1.9	0.2	0.2	1.0	0.2	-0.3	0.2	2.3	1.9	-0.8	0.2	-2.9	-4.3	-1.8
2000	-6.8	-0.7	1.2	0.9	1.9	0.1	-1.3	3.0	0.7	0.6	0.2	1.3	-3.8	-5.8	-2.2
2500	-7.0	-1.1	0.2	-0.7	3.5	-1.0	-1.4	1.5	1.7	0.8	-0.7	0.9	-4.4	-5.9	-1.9
3150	-7.0	-0.4	2.7	0.0	1.1	1.4	-0.1	-0.7	0.5	1.4	1.8	-1.7	-6.8	-4.1	-4.4
4000	-8.9	-1.0	2.7	2.8	-0.8	3.4	1.7	-1.7	-0.1	0.4	0.8	-4.7	-7.9	-5.6	-6.6
5000	-8.0	-0.6	0.3	1.2	-1.1	0.7	0.4	3.5	2.7	2.1	0.5	-1.9	-6.0	-5.7	-4.2
6300	-10.7	-3.8	-4.4	-1.8	0.6	-2.9	-2.0	3.7	4.6	1.2	-0.4	0.1	-4.6	-8.5	-4.5
8000	-9.0	-2.5	1.5	0.1	2.5	1.4	-0.4	-1.5	-0.6	1.4	2.9	-0.1	-7.1	-4.3	-7.4
10000	-8.4	-1.8	-1.3	0.0	-1.8	-1.9	-1.9	-1.5	1.5	3.1	3.7	2.4	-2.8	-5.2	-3.9

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 440
BAR 29.2
TAMB 35.0
TWET 29.8
HACT 2.96164
SPEED 00600
CRPM 6758.2
TAPE T8276,

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	78.8	72.1	69.6	69.1	68.8	70.3	70.8	70.7	71.6	72.2	72.6	74.5	74.2	80.8	83.1	131.8
63	66.5	69.5	67.8	73.4	68.6	69.2	69.3	71.9	71.4	72.2	72.8	74.1	76.8	79.8	82.6	131.6
80	66.1	69.5	67.6	67.7	67.8	69.0	69.9	71.1	71.2	72.0	72.8	74.7	76.5	78.7	81.2	130.9
100	67.7	69.6	69.6	69.7	70.8	71.9	71.1	72.3	73.6	74.5	73.7	75.	77.4	78.8	79.9	131.9
125	66.9	69.6	68.4	67.7	69.3	70.9	70.5	71.5	72.7	73.2	73.8	74.9	77.9	78.9	77.7	131.4
140	64.1	66.7	65.0	64.6	66.4	68.4	69.4	70.1	70.1	70.3	71.2	71.9	73.3	75.0	71.9	128.3
200	63.9	65.0	62.2	64.0	63.7	65.8	66.7	69.1	69.8	70.9	68.9	70.7	69.1	67.9	70.3	126.4
250	60.5	59.9	61.9	61.8	59.3	60.3	62.3	65.2	64.4	66.5	63.5	65.4	65.0	66.7	68.8	122.6
315	61.1	63.7	67.8	66.2	64.8	64.8	62.7	63.3	64.3	66.0	67.8	70.7	72.3	71.6	71.8	125.9
400	66.2	67.6	67.8	69.2	68.4	69.3	68.8	68.2	67.8	69.2	71.1	73.3	74.2	73.2	71.8	128.8
500	67.8	70.3	70.5	71.2	70.8	71.8	72.3	71.6	71.8	72.2	74.2	75.3	74.4	72.4	72.3	131.0
630	70.1	72.5	73.2	73.5	72.7	73.3	74.4	74.4	75.1	75.8	76.1	76.5	74.9	72.8	73.4	133.2
800	68.4	71.3	73.3	71.0	70.6	71.1	71.6	73.3	74.0	75.0	74.4	74.7	72.7	73.4	73.8	132.9
1000	67.4	70.4	72.0	72.8	72.1	72.6	71.8	71.4	72.0	73.5	73.1	72.6	70.8	71.8	73.1	131.2
1250	70.7	75.2	77.6	77.8	76.9	76.0	75.6	75.8	76.2	78.0	78.4	77.8	72.9	71.1	74.0	135.8
1600	70.9	76.8	78.6	77.7	77.9	78.3	76.2	77.1	78.2	79.3	78.0	78.6	74.7	73.5	76.5	136.9
2000	70.4	75.9	77.3	77.5	79.8	78.9	76.8	77.2	77.8	78.2	77.5	77.9	72.8	71.4	76.1	137.8
2500	69.2	75.9	76.6	76.2	79.2	75.1	74.9	77.6	77.5	77.6	75.8	77.7	72.6	73.6	75.2	136.5
3150	66.5	75.2	70.2	75.5	76.6	76.6	75.0	74.3	75.3	77.1	77.4	74.4	68.5	71.3	71.9	135.9
4000	79.0	87.1	90.2	89.1	87.0	91.0	88.9	85.2	86.7	88.8	88.7	83.5	79.7	81.9	82.2	148.6
5000	72.2	79.7	80.7	80.9	79.8	81.2	80.7	79.9	81.7	82.3	81.8	78.9	74.1	74.5	77.8	141.5
6300	69.6	76.8	77.7	77.6	80.7	76.7	77.9	81.7	84.9	81.9	80.5	82.5	75.3	71.4	77.1	142.6
8000	72.3	78.7	81.6	79.5	81.6	81.4	79.8	78.3	80.0	82.1	83.5	82.1	73.5	78.4	75.1	144.3
10000	69.3	76.5	76.4	77.2	75.6	75.7	76.0	76.4	79.5	80.7	81.5	82.1	75.3	72.8	75.1	144.2
OASPL MEASURED	84.5	90.3	92.3	91.6	91.0	92.4	91.2	90.5	91.8	92.8	92.6	91.9	88.8	91.3	93.0	
OASPL CALCULATED	84.8	90.4	92.4	91.8	91.3	92.9	91.5	90.4	92.0	92.9	92.8	91.5	88.6	89.7	91.2	
PNDB	99.3	$10^{0.1}$	$10^{8.4}$	$10^{7.6}$	$10^{8.7}$	$10^{8.8}$	$10^{7.4}$	$10^{5.6}$	$10^{7.0}$	$10^{8.4}$	$10^{8.2}$	$10^{5.7}$	$10^{2.0}$	$10^{3.0}$	$10^{4.1}$	

OAPWL 152.9

DIRECTIVITY INDEX

FREQ.															
50	-4.0	-1.9	-4.3	-4.9	-5.2	-3.7	-4.0	-3.3	-2.4	-1.8	-.2	0.5	2.2	6.8	9.1
63	-7.3	-4.3	-6.0	-0.4	-5.1	-4.5	-4.5	-1.0	-2.3	-1.6	-0.9	0.4	3.0	6.1	8.9
80	-6.9	-3.5	-5.3	-5.3	-5.2	-4.0	-3.1	-1.8	-1.8	-0.9	-3.1	1.7	3.6	5.7	8.2
100	-6.1	-4.2	-4.2	-4.1	-3.0	-2.0	-2.7	-1.5	-0.2	0.7	-0.1	1.3	3.6	5.0	6.1
125	-6.3	-3.7	-4.8	-5.5	-3.9	-2.3	-2.7	-1.8	-0.5	-0.6	0.6	1.7	4.7	5.7	4.4
140	-5.9	-3.4	-5.8	-5.4	-3.6	-1.6	-0.6	0.1	0.1	0.2	1.2	1.9	3.3	5.0	1.9
200	-4.1	-3.0	-5.8	-4.0	-4.3	-2.3	-1.3	1.1	1.8	2.9	0.9	2.7	1.1	-0.1	2.3
250	-3.7	-4.2	-2.3	-2.3	-4.9	-3.8	-1.8	1.1	2.2	2.3	-0.7	1.3	0.9	2.5	4.6
315	-6.3	-3.8	0.4	-0.8	-2.5	-2.6	-4.7	-4.1	-3.1	-1.4	0.4	3.4	4.0	4.3	4.4
400	-3.9	-2.5	-2.3	-0.9	-1.7	-0.7	-1.3	-1.9	-2.3	-0.9	1.1	3.3	4.1	3.2	1.7
500	-4.4	-2.0	-1.8	-1.1	-1.4	-0.5	0.8	-0.6	-0.4	0.8	2.0	3.8	2.2	0.2	0.1
630	-4.2	-1.7	-1.0	-0.8	-1.6	-1.0	0.1	0.1	0.8	1.3	1.8	2.3	0.6	-1.4	-0.9
800	-4.4	-1.6	0.4	-1.9	-2.3	-1.7	-1.3	0.4	1.1	2.1	1.5	1.8	-0.2	0.5	0.9
1000	-4.5	-1.6	0.1	0.9	0.2	0.0	-0.2	-0.8	-0.0	1.5	1.1	0.8	-1.2	-0.2	1.1
1250	-5.6	-1.1	1.3	1.5	0.6	-0.3	-0.8	-0.5	-0.2	1.7	2.1	1.5	-3.4	-5.2	-2.4
1600	-6.3	-0.4	1.4	0.5	0.7	-0.9	-1.1	-0.1	1.0	2.1	0.7	1.4	-2.5	-3.7	-0.8
2000	-6.7	-1.1	0.2	0.5	2.7	-0.2	-0.4	0.2	0.8	1.2	0.4	0.8	-4.2	-5.6	-0.9
2500	-7.1	-0.4	0.3	-0.1	2.8	-1.2	-1.4	1.3	1.2	1.3	-0.5	1.4	-4.3	-4.7	-1.1
3150	-6.9	-0.2	2.9	0.1	1.2	1.2	-0.4	-1.1	-0.1	1.7	1.0	-1.0	-6.8	-4.1	-3.5
4000	-8.6	-0.4	2.6	1.6	-0.5	3.5	1.4	-2.3	-0.8	1.3	1.2	-4.1	-7.8	-5.7	-5.3
5000	-7.8	-0.3	0.7	0.9	-1.0	1.1	0.6	-0.1	1.7	2.2	1.0	-1.1	-5.9	-5.5	-3.0
6300	-10.5	-3.3	-4.4	-2.5	0.6	-3.5	-2.3	1.4	4.8	4.7	0.4	2.4	-4.8	-8.8	-3.0
8000	-8.0	-1.7	1.2	-0.8	1.3	1.1	-0.5	-2.1	-0.3	1.8	3.1	1.8	-6.8	-3.9	-5.2
10000	-8.7	-1.5	-1.6	-0.8	-2.5	-2.3	-2.0	-1.7	1.5	2.6	3.4	4.1	-7.7	-5.3	-3.0

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE -SH
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 441
BAR 29.2
TAMB 35.0
TWET 29.9
MACT 2.56164
SPEED 06900
CRPM 7065.4
TAPE T8276

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	71.4	71.2	69.9	69.4	69.5	70.8	71.3	71.7	72.9	74.0	74.8	76.4	77.9	82.3	84.6	133.2
63	69.3	70.4	69.7	73.1	69.1	69.7	70.2	72.6	72.6	73.6	74.7	76.3	78.7	81.9	84.6	133.2
80	66.7	67.5	68.0	69.0	69.2	69.9	70.9	72.1	72.9	73.9	74.9	76.4	78.5	80.8	83.3	132.7
100	67.1	68.2	67.9	68.4	70.1	72.0	72.3	73.5	74.1	74.7	75.4	76.9	79.5	80.9	81.5	133.1
125	68.4	70.7	69.5	68.0	70.5	73.8	73.6	74.8	75.6	76.9	77.3	78.8	79.9	81.4	78.9	134.0
160	65.6	67.9	66.1	66.0	67.9	69.7	70.7	71.3	72.1	72.5	73.3	74.3	75.3	77.0	73.9	130.1
200	65.2	66.4	63.2	64.1	64.7	66.5	67.6	70.0	70.8	70.1	71.5	71.0	70.5	69.0	69.0	127.1
250	64.0	62.3	62.9	62.2	61.6	63.1	65.5	69.4	69.8	69.4	73.1	67.4	68.7	68.0	66.6	126.2
315	63.3	65.7	66.8	67.1	66.6	65.8	63.9	65.7	66.7	68.1	71.3	73.1	74.0	73.8	70.3	127.7
400	66.7	68.2	68.6	69.7	69.5	70.8	69.9	69.7	68.6	70.2	73.3	74.2	76.1	75.5	73.0	130.5
500	68.6	71.1	71.1	72.2	71.6	73.0	73.5	73.4	73.3	73.2	76.1	77.7	78.5	74.9	74.9	132.7
630	70.2	72.6	73.4	73.6	74.3	74.1	74.8	75.0	77.1	78.2	78.8	78.8	76.5	74.1	74.5	134.7
800	68.8	71.8	73.8	72.1	71.6	72.6	72.9	73.8	76.8	77.5	78.5	78.2	78.1	73.4	73.0	133.4
1000	68.3	70.9	72.2	72.0	72.1	72.5	71.4	71.8	73.4	74.3	74.8	74.6	71.0	71.3	71.4	131.8
1250	69.9	73.5	75.8	76.8	77.3	77.0	75.7	76.3	75.8	76.8	78.4	78.7	74.8	73.1	73.8	135.7
1600	71.8	77.3	79.6	78.1	78.9	77.9	76.8	77.3	78.9	79.4	79.6	79.5	74.6	73.8	75.5	137.6
2000	69.2	73.8	75.4	76.1	78.3	75.9	76.2	76.8	76.4	77.2	76.8	78.5	72.8	70.9	74.1	136.1
2500	68.2	74.2	76.4	75.8	78.4	74.8	74.9	77.6	77.2	77.2	76.8	78.4	73.8	70.1	73.7	136.3
3150	67.6	73.5	78.0	75.1	75.5	75.7	75.2	74.3	74.9	76.4	77.8	74.4	68.5	70.9	70.6	135.5
4000	78.1	85.7	89.7	89.1	86.0	88.0	88.6	85.7	86.7	87.9	88.3	84.6	78.9	81.4	81.6	147.9
5000	74.1	81.6	84.9	84.8	82.0	83.4	84.4	81.9	83.6	83.8	84.3	82.8	76.5	77.3	78.1	144.3
6300	68.8	75.4	75.6	76.9	80.7	78.3	78.8	83.5	82.1	80.8	80.2	80.8	75.2	70.7	75.2	141.9
8000	71.6	78.6	81.7	79.6	81.0	79.9	80.6	79.1	79.2	81.7	85.7	83.3	73.5	75.9	74.6	144.7
10000	69.9	76.9	78.4	78.1	77.5	77.3	78.3	77.3	79.5	80.4	84.0	82.5	75.5	73.6	74.3	145.2
OASPL MEASURED	85.0	89.8	92.2	91.8	91.0	91.3	91.8	91.4	92.0	92.8	93.6	93.2	91.3	92.9	94.1	
OASPL CALCULATED	84.1	89.8	92.8	92.3	91.2	91.6	92.2	91.4	92.0	92.6	93.9	92.7	89.6	91.0	92.0	
PNDB	99.0	105.2	108.3	107.8	106.3	107.2	107.7	106.4	107.1	107.8	109.8	106.8	102.2	103.3	103.7	OAPWL 153.2

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-4.0	-4.2	-5.5	-6.0	-5.9	-4.6	-4.1	-3.7	-2.5	-1.4	-0.6	1.8	2.5	6.9	9.2
63	-6.1	-5.0	-5.7	-2.3	-6.3	-5.7	-5.2	-2.7	-2.8	-1.8	-0.7	0.9	3.3	6.5	9.2
80	-8.1	-7.3	-6.7	-5.7	-5.5	-4.8	-3.8	-2.6	-1.8	-0.9	0.2	1.7	3.7	6.1	8.6
100	-8.0	-6.8	-7.1	-6.6	-5.0	-3.0	-2.7	-1.5	-0.9	-0.3	0.3	1.9	4.4	5.9	6.5
125	-7.5	-5.2	-6.4	-7.9	-4.9	-2.0	-2.3	-1.0	-0.2	1.8	1.5	2.2	4.0	5.6	3.1
160	-4.2	-4.0	-5.7	-5.9	-3.9	-2.1	-1.2	-0.5	0.2	0.6	1.4	2.4	3.4	5.1	2.1
200	-3.6	-2.4	-5.5	-4.7	-4.0	-2.3	-1.1	1.2	2.0	1.4	2.7	2.2	1.8	0.2	0.3
250	-3.7	-5.5	-4.8	-5.6	-6.2	-4.7	-2.3	1.8	2.1	1.6	5.3	-0.3	0.9	0.3	-1.2
315	-5.9	-3.5	-0.4	-2.1	-2.6	-3.4	-5.2	-3.5	-2.3	-1.1	2.1	3.9	4.8	4.7	1.1
400	-5.1	-3.6	-3.3	-2.1	-2.3	-1.0	-1.9	-2.1	-3.2	-1.6	1.5	4.4	4.3	3.6	1.2
500	-5.3	-2.8	-2.8	-1.7	-2.2	-0.9	-0.4	-0.7	-0.4	-0.7	2.2	3.8	2.6	1.0	1.0
630	-5.5	-3.1	-2.3	-2.1	-1.5	-1.6	-0.9	-0.7	1.4	2.5	2.2	3.0	0.7	-1.6	-1.2
800	-5.5	-2.5	-0.6	-2.2	-2.7	-1.7	-1.4	-0.5	1.8	3.2	2.6	1.9	-1.2	-0.8	-1.8
1000	-4.2	-1.7	-0.3	-0.6	-0.5	-0.1	-1.1	-0.8	0.9	1.8	2.3	2.0	-1.5	-1.2	-1.2
1250	-6.3	-2.7	-0.5	0.5	1.1	0.7	-0.9	0.0	-0.5	0.5	2.2	2.4	-1.5	-3.2	-2.5
1600	-6.1	-0.6	1.7	0.1	0.9	-0.1	-1.1	-0.6	1.0	1.4	1.6	1.5	-3.3	-4.1	-2.5
2000	-6.9	-2.3	-0.7	0.0	2.2	-0.7	-0.1	0.7	0.3	1.1	0.7	2.4	-3.3	-5.2	-3.0
2500	-7.9	-1.9	0.4	-0.2	2.4	-1.2	-1.1	1.5	1.2	1.1	-0.1	2.4	-4.1	-5.9	-2.4
3150	-7.3	-1.5	3.0	0.1	0.5	0.7	0.2	-0.7	-0.1	1.4	2.7	-0.6	-6.5	-4.0	-4.4
4000	-8.6	-1.1	3.0	2.3	-0.8	1.2	1.8	-1.0	-0.8	0.8	1.6	-2.1	-7.8	-5.3	-5.1
5000	-8.8	-1.2	2.0	2.0	-0.8	3.6	1.8	0.0	0.8	0.9	1.5	-0.8	-6.4	-5.6	-4.7
6300	-10.9	-4.1	-3.9	-2.5	1.2	-3.1	-0.6	4.0	2.5	1.3	0.7	1.3	-4.2	-8.8	-4.5
8000	-9.1	-2.1	1.0	-1.2	0.3	-0.8	-0.1	-1.6	-1.5	1.0	5.0	2.6	-7.2	-4.9	-6.1
10000	-9.2	-2.2	-0.7	-1.0	-1.4	-1.8	-0.8	-1.8	0.4	1.3	4.9	3.4	-3.6	-4.5	-4.8

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 442.
BAR 29.2
TAMB 35.0
TWET 29.0
MACT 2.56164
SPEED 07900
CRPM 7679.8
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	74.2	73.9	73.2	72.4	72.2	73.9	73.5	74.5	75.5	76.6	77.1	78.9	81.7	87.1	89.6	137.1
63	71.4	72.2	73.8	75.4	73.8	73.8	73.7	75.1	75.6	76.7	77.7	79.7	82.2	86.9	89.9	137.4
80	69.7	70.6	71.2	71.9	72.5	73.3	74.3	74.9	75.5	76.6	77.8	79.7	82.5	85.2	88.0	136.5
100	71.1	72.3	71.7	71.8	73.3	74.8	75.3	76.2	76.5	77.6	78.2	80.8	83.2	84.5	86.0	136.5
125	72.5	73.7	73.3	72.1	74.5	78.4	77.9	79.6	80.8	80.2	81.8	82.5	83.8	84.6	84.0	138.2
160	69.0	70.4	68.8	68.9	71.3	73.1	74.1	74.5	74.6	75.0	76.0	77.6	79.0	80.1	79.1	133.3
200	67.3	67.9	65.0	65.5	67.5	69.4	70.6	72.6	72.9	71.4	72.3	73.3	73.6	72.9	75.3	129.6
250	65.2	63.4	67.4	66.0	63.8	64.8	67.7	69.7	70.5	71.5	68.8	70.0	71.0	74.5	75.3	127.9
315	68.8	67.9	70.5	70.7	69.4	68.4	67.4	68.0	68.9	71.0	73.2	76.4	78.8	77.7	77.7	131.2
400	70.6	71.8	72.1	74.2	73.5	74.5	73.7	72.5	73.0	74.2	77.0	79.7	80.2	79.6	78.6	134.4
500	71.7	74.2	74.4	75.4	74.9	76.5	76.5	76.4	76.8	77.1	79.5	81.3	83.7	78.8	78.9	136.2
630	71.7	73.8	74.4	75.2	75.7	76.9	77.4	78.2	79.1	79.9	80.2	81.6	80.4	77.6	77.6	137.1
800	71.1	70.5	73.9	72.6	73.3	75.5	75.9	77.6	79.3	80.0	78.7	78.8	78.2	77.3	76.3	136.1
1000	69.2	71.0	73.2	75.9	77.0	76.2	75.2	76.3	77.0	76.6	76.9	77.3	79.8	75.6	75.6	135.1
1250	75.0	77.8	80.1	82.0	84.9	81.7	86.2	85.7	80.9	82.4	82.2	82.5	79.3	78.7	78.8	141.8
1600	74.8	78.4	80.4	82.8	88.2	86.2	87.8	84.7	83.4	84.2	81.8	83.0	80.1	78.1	79.7	143.9
2000	73.3	78.6	79.7	83.3	89.6	89.7	87.9	85.1	85.3	84.2	82.1	83.8	79.8	76.2	79.5	145.3
2500	71.7	76.7	79.1	83.1	88.4	84.2	83.7	84.6	83.4	80.5	78.3	80.5	79.4	74.4	77.8	142.8
3150	71.1	76.5	81.1	80.5	85.5	85.1	84.0	80.8	80.2	79.2	79.8	79.2	78.2	74.4	73.5	141.7
4000	73.9	80.9	83.2	82.6	80.3	84.5	83.8	81.1	82.3	83.8	82.4	77.8	75.0	76.9	76.4	142.9
5000	88.1	87.7	88.4	90.0	87.3	87.6	88.6	88.9	90.8	92.5	90.1	87.8	82.6	82.8	84.6	150.1
6300	78.5	77.5	77.7	80.8	83.9	78.6	79.3	83.2	84.6	80.2	78.5	79.4	79.7	71.8	75.9	142.4
8000	69.7	75.3	79.0	78.3	81.1	79.3	79.2	79.9	79.3	81.2	81.3	76.8	72.1	73.3	71.7	142.9
10000	71.8	78.0	78.8	80.3	79.4	79.6	80.5	81.1	83.7	86.0	84.5	81.6	77.2	75.1	76.1	147.6
OASPL MEASURED	87.9	91.3	92.7	94.2	96.6	95.8	96.1	95.2	95.4	96.2	95.4	95.5	95.2	97.8	98.8	
OASPL CALCULATED	86.4	91.4	92.7	94.2	96.4	95.6	95.8	94.9	95.4	96.3	95.0	94.4	93.5	94.7	96.5	
PNDB	100.7	106.6	107.8	109.2	109.7	109.1	109.6	109.4	110.3	111.3	109.8	108.2	105.4	105.2	106.9	

OAPWL 155.7

DIRECTIVITY INDEX

FREQ.															
50	-5.2	-5.5	-6.1	-6.9	-7.1	-5.5	-5.8	-4.8	-3.9	-2.5	-2.3	-0.4	2.3	7.7	10.3
63	-8.1	-7.3	-5.8	-4.1	-5.7	-5.8	-5.8	-4.5	-4.0	-2.8	-1.9	0.1	2.5	7.3	10.3
80	-8.8	-7.9	-7.3	-6.6	-6.1	-5.2	-4.2	-3.6	-3.0	-2.0	-0.8	1.1	4.0	6.7	9.4
100	-7.3	-6.2	-6.8	-6.6	-5.1	-3.7	-3.1	-2.3	-1.9	-0.9	-0.2	1.6	4.8	6.1	7.6
125	-7.5	-6.3	-6.7	-7.9	-5.8	-1.6	-2.1	-0.4	0.7	0.1	1.8	2.5	3.7	4.6	4.0
160	-6.1	-4.7	-6.2	-6.1	-3.8	-2.0	-1.0	-0.6	-0.5	-0.1	0.9	2.5	3.9	5.0	4.1
200	-3.9	-3.4	-6.2	-5.7	-3.8	-1.9	-0.6	1.4	1.6	0.4	1.1	2.8	3.4	1.7	4.0
250	-4.2	-6.0	-2.0	-3.4	-5.6	-4.6	-1.7	0.2	1.8	2.0	-0.7	0.5	1.5	5.0	5.8
315	-6.8	-4.7	-2.1	-1.8	-3.2	-4.1	-5.2	-4.6	-3.7	-1.6	0.6	3.8	5.4	5.1	5.2
400	-5.1	-3.9	-3.6	-1.6	-2.2	-1.3	-2.0	-3.0	-2.7	-1.5	1.3	4.0	4.4	3.9	2.9
500	-5.7	-3.2	-3.1	-2.0	-2.6	-0.9	-1.0	-1.0	-0.7	-0.3	2.1	3.8	3.3	1.4	1.5
630	-6.5	-4.3	-3.8	-2.9	-2.4	-1.2	-0.8	0.0	0.9	1.8	2.8	3.5	2.2	-0.6	-0.6
800	-5.9	-6.5	-3.1	-4.4	-3.7	-1.5	-1.1	0.6	2.3	3.0	1.7	2.8	1.2	0.2	-0.7
1000	-6.6	-4.8	-2.6	0.1	1.1	0.4	-0.6	0.5	1.1	0.7	1.8	1.4	-0.1	-0.3	-0.3
1250	-7.3	-4.5	-2.3	-0.4	2.6	-0.7	3.9	1.4	-1.4	0.8	-0.1	0.2	-3.1	-3.6	-3.6
1600	-9.4	-5.8	-3.8	-1.4	4.1	2.8	3.7	0.6	-0.7	-0.0	-2.4	-1.1	-4.1	-6.0	-4.5
2000	-12.0	-6.7	-5.6	-2.0	4.3	4.4	2.6	-0.2	-0.0	-1.1	-3.2	-1.5	-5.5	-9.1	-5.8
2500	-11.0	-6.0	-3.6	0.3	5.6	1.4	0.9	1.9	0.6	-2.2	-4.3	-2.2	-3.3	-8.4	-5.6
3150	-10.0	-4.6	0.0	-0.6	4.3	4.0	2.8	-0.4	-0.9	-1.9	-2.2	-5.9	-7.9	-6.7	-7.6
4000	-7.9	-0.8	1.4	0.9	-1.4	2.8	2.0	-0.7	0.4	2.8	0.7	-3.9	-6.8	-4.9	-5.3
5000	-8.6	-1.0	-0.3	1.3	-1.4	-1.1	-0.1	0.2	2.1	3.8	1.4	-1.7	-6.1	-5.9	-4.6
6300	-9.5	-2.5	-2.3	0.8	3.9	-1.4	-0.7	3.2	1.6	0.2	-1.5	-0.4	-4.3	-8.2	-4.1
8000	-9.2	-3.5	0.2	-0.6	2.3	0.4	0.3	1.0	0.4	2.3	2.4	-2.1	-6.8	-5.6	-7.1
10000	-9.6	-3.4	-2.6	-1.1	-2.0	-1.8	-0.9	-0.4	2.3	4.5	3.1	0.2	-4.3	-6.3	-5.3

6V

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RADIAL 250.0
VEHICLE -SH
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 443
BAR 29.2
TAMB 41.0
TWET 34.0
MACT 3.19183
SPEED 27700
CRPH 7837.2
TAPE T8027

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	74.4	74.5	74.0	73.8	73.9	74.8	74.6	75.6	76.7	77.5	78.0	80.0	82.8	87.8	90.1	137.9
63	72.3	72.5	72.9	76.4	75.5	74.6	75.2	76.1	77.4	78.0	79.1	80.8	83.1	87.4	90.3	138.3
80	71.8	72.0	72.5	73.5	73.5	74.0	75.0	76.0	76.4	77.5	78.6	80.9	83.5	86.1	88.8	137.5
100	71.2	72.4	72.4	73.1	74.4	75.6	76.4	77.5	77.7	78.2	79.0	81.1	84.5	85.9	86.5	137.5
125	75.1	76.7	76.9	75.3	74.9	77.6	78.6	80.2	81.7	82.8	81.6	84.4	84.4	86.6	83.9	139.4
160	70.1	71.7	70.0	70.2	71.7	73.2	74.6	75.4	75.8	76.4	77.0	78.8	80.4	82.1	78.3	134.5
200	68.2	69.4	69.8	66.8	68.3	69.9	71.2	73.2	74.1	73.1	74.2	75.5	75.7	74.4	73.2	130.8
250	66.2	65.9	69.7	69.6	66.6	66.8	67.8	70.9	72.3	71.1	70.7	72.9	71.6	73.9	74.1	128.9
315	68.3	70.8	72.3	72.5	71.4	71.6	69.9	69.7	71.2	72.6	73.6	76.5	77.7	77.8	77.2	131.9
400	73.1	74.3	74.2	75.6	74.7	76.1	75.0	74.6	74.7	75.3	76.6	79.6	80.2	80.5	78.6	135.2
500	73.5	74.2	75.6	77.0	76.1	77.5	77.8	78.1	78.6	78.1	79.5	81.6	80.9	80.0	79.8	137.2
630	72.9	74.5	74.7	75.8	76.2	77.6	78.1	79.3	80.1	80.6	80.8	82.2	81.8	79.1	78.6	137.9
800	70.6	71.7	72.6	73.5	73.3	73.9	75.2	77.9	78.7	82.0	80.6	81.1	78.2	78.8	76.8	137.1
1000	71.5	74.2	77.4	81.8	84.4	85.1	82.6	81.8	83.4	80.8	81.1	80.5	78.9	77.3	77.0	140.9
1250	79.1	81.3	85.7	90.4	93.2	94.0	91.6	90.2	93.1	88.5	87.6	87.8	85.2	80.4	82.3	149.6
1600	79.6	80.6	83.7	89.2	92.4	93.5	91.9	89.8	91.8	88.9	87.5	86.7	84.2	82.6	83.0	149.3
2000	77.3	81.8	83.6	88.2	94.4	94.0	93.9	91.8	90.6	86.4	85.5	84.7	84.8	81.9	81.9	150.1
2500	71.1	75.9	78.8	84.4	88.1	88.4	85.8	82.1	81.9	79.9	78.8	79.4	76.5	74.8	76.6	141.8
3150	71.6	76.4	80.9	79.8	81.3	82.7	82.0	78.8	79.1	78.6	78.7	74.9	72.7	74.5	73.6	139.9
4000	74.4	80.6	83.9	83.6	79.7	83.9	83.5	79.7	81.9	82.6	81.5	77.8	74.6	77.3	76.1	142.5
5000	79.5	85.4	86.9	88.6	85.8	86.8	89.8	87.4	91.1	91.9	88.4	86.8	81.9	81.9	82.8	149.5
6300	71.1	77.1	78.1	80.9	83.8	78.8	79.8	81.3	82.1	80.6	78.9	79.4	79.5	72.3	75.9	142.1
8000	71.0	75.5	80.0	78.8	80.6	79.7	80.1	78.9	80.9	82.7	82.6	78.1	73.5	74.8	72.5	143.6
10000	73.2	78.2	79.7	81.6	79.5	80.5	82.0	81.9	84.7	86.4	84.7	82.8	77.3	75.6	76.2	148.3
OASPL MEASURED	89.7	92.4	94.4	97.5	100.2	100.6	99.8	98.5	100.1	98.2	97.3	97.3	94.8	98.2	99.4	
OASPL CALCULATED	88.0	91.5	93.7	96.6	99.3	99.7	98.9	97.4	99.0	97.4	96.3	95.8	93.8	95.9	97.0	
PNDB	101.4	105.9	107.8	109.8	111.9	112.0	111.9	110.5	111.8	111.7	110.1	108.7	106.2	105.7	106.2	

OAPWL 157.7

DIRECTIVITY INDEX

FREQ.															
50	-5.8	-5.6	-6.1	-6.4	-6.3	-5.4	-5.5	-4.5	-3.4	-2.7	-2.1	-0.1	2.6	7.7	9.9
63	-8.1	-7.9	-7.5	-4.0	-4.9	-5.8	-5.2	-4.3	-3.0	-2.5	-1.3	0.3	2.7	7.2	9.9
80	-8.5	-7.5	-7.0	-6.0	-6.0	-5.5	-4.6	-3.5	-2.9	-2.0	-0.9	1.4	4.0	6.5	9.3
100	-8.3	-7.1	-7.1	-6.4	-5.1	-3.9	-3.1	-2.0	-1.8	-1.3	-0.5	1.6	5.1	6.4	7.0
125	-6.1	-4.5	-4.3	-5.9	-6.3	-3.6	-2.8	-1.0	0.5	1.6	0.4	3.2	3.2	5.4	2.7
160	-6.1	-4.5	-6.2	-6.0	-4.5	-3.6	-1.6	-0.8	-0.4	0.2	0.8	2.6	4.2	5.9	2.1
200	-4.2	-3.1	-6.6	-5.7	-4.1	-2.6	-1.3	0.7	1.7	0.6	1.7	3.1	3.3	2.0	0.7
250	-4.2	-4.5	-0.7	-0.8	-3.9	-4.4	-2.6	0.4	1.8	0.6	0.2	2.4	1.1	3.5	3.6
315	-5.1	-2.6	-1.0	-0.9	-1.9	-1.8	-3.5	-3.7	-2.2	-0.8	0.3	3.2	4.3	4.4	3.8
400	-3.4	-2.2	-2.3	-0.9	-1.8	-0.4	-1.3	-1.9	-1.8	-1.2	0.1	3.1	3.7	4.0	2.1
500	-4.8	-2.2	-2.8	-1.3	-2.3	-0.8	-0.6	-0.3	0.2	-0.3	1.2	3.2	2.5	1.7	1.4
630	-6.8	-4.4	-4.3	-3.1	-2.8	-1.4	-0.8	0.4	1.1	1.7	1.6	3.3	2.1	0.2	-0.3
800	-7.4	-6.3	-5.4	-4.5	-4.8	-4.1	-2.8	-0.1	1.7	4.0	2.6	3.1	1.2	0.8	-1.2
1000	-10.1	-7.4	-4.2	0.3	2.8	3.5	1.0	0.2	1.8	-1.6	-0.5	-1.1	-2.7	-4.3	-4.6
1250	-11.1	-8.8	-4.4	0.3	3.0	3.9	1.5	0.1	3.0	-1.6	-2.5	-3.1	-4.9	-9.7	-7.8
1600	-10.0	-9.0	-5.9	-0.4	2.8	3.9	2.3	0.2	2.2	-0.7	-2.1	-2.9	-5.4	-7.0	-6.6
2000	-12.9	-8.3	-6.6	-1.9	4.3	3.9	3.7	1.6	0.5	-3.7	-4.6	-5.5	-5.4	-8.3	-8.3
2500	-9.7	-4.9	-2.0	-0.4	4.2	1.5	2.2	1.3	1.1	-0.9	-2.8	-1.5	-4.3	-6.9	-4.3
3150	-7.7	-2.9	1.6	0.5	1.9	3.4	2.6	-0.5	-0.2	-0.7	-0.6	-4.4	-6.6	-4.8	-5.8
4000	-7.0	-0.7	2.5	2.2	-1.6	2.5	2.1	-1.7	0.5	1.3	0.2	-4.4	-6.8	-4.1	-5.3
5000	-8.5	-2.6	-1.2	0.6	-3.0	-1.2	1.3	-0.6	3.1	3.9	1.4	-1.3	-6.6	-6.2	-5.2
6300	-8.6	-2.6	-1.6	1.2	3.3	-0.9	-0.7	1.6	2.4	0.9	-1.2	-0.3	-4.2	-7.4	-3.8
8000	-8.6	-4.2	0.4	-0.8	0.9	0.0	0.4	-0.7	1.3	3.1	3.0	-1.5	-6.2	-4.9	-7.1
10000	-8.9	-4.0	-2.4	-0.5	-2.6	-1.6	-0.2	-0.3	2.5	4.2	2.6	0.6	-4.8	-6.6	-5.9

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 958.8
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 444.
BAR 29.2
TAMB 41.0
TWET 34.0
MACT 3.19183
SPEED 87706
CRPM 8940.8
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	75.7	76.2	75.7	75.5	76.1	76.0	76.3	77.1	77.6	79.1	79.3	82.0	85.4	90.0	92.2	139.9
63	72.5	73.8	74.1	76.3	75.6	75.4	76.5	77.0	77.5	78.5	79.8	81.5	85.1	89.4	91.7	139.6
80	72.1	73.5	73.8	75.2	75.3	75.2	76.5	77.2	77.7	78.7	80.3	82.5	85.4	87.5	90.3	139.8
100	72.3	73.7	73.4	74.3	75.5	74.4	77.1	78.2	78.4	79.6	80.2	82.7	86.3	87.1	88.5	138.9
125	73.8	76.1	77.8	74.8	74.9	75.3	77.8	78.4	79.4	79.9	82.6	83.5	85.4	87.1	86.1	139.2
160	70.9	73.8	71.9	71.2	72.6	74.6	75.3	75.4	75.8	76.3	78.2	79.2	80.3	82.3	82.3	135.1
200	69.8	70.0	67.2	68.7	68.5	69.7	71.3	72.5	73.4	72.3	74.7	75.5	75.2	75.9	80.1	131.4
250	67.5	68.7	70.5	71.3	68.7	67.8	69.6	68.9	70.2	70.3	72.7	75.2	76.5	77.4	80.2	131.8
315	71.2	73.8	73.4	74.6	75.8	73.1	73.6	71.5	71.7	74.1	76.5	80.3	81.6	80.1	81.8	134.7
400	74.3	76.0	76.0	77.3	76.7	77.7	77.2	77.8	77.5	76.8	79.7	83.1	83.1	82.8	81.4	137.7
500	74.5	76.7	76.8	77.5	77.5	78.5	79.6	79.7	80.8	80.4	81.9	84.4	82.8	81.4	81.1	139.0
630	74.1	76.0	77.4	77.3	79.2	80.6	79.6	80.6	80.7	82.3	82.4	84.6	81.1	79.4	79.9	139.4
800	74.2	76.7	78.8	82.4	82.5	82.7	84.1	82.1	79.6	81.8	80.3	84.7	81.8	78.5	78.2	140.3
1000	74.7	77.6	81.8	86.0	89.8	87.8	87.8	85.9	84.2	83.7	82.4	83.2	81.8	79.4	80.1	144.6
1250	80.1	84.8	90.0	94.1	96.5	95.3	95.5	93.1	91.4	90.8	88.4	88.4	87.9	85.5	85.1	151.9
1600	80.9	84.1	87.7	91.7	94.2	93.8	94.0	90.7	90.1	88.7	85.6	87.1	86.4	83.4	85.1	150.2
2000	78.8	82.7	86.6	90.8	94.1	91.9	90.9	89.6	88.3	86.9	86.7	89.6	88.4	88.8	83.8	148.9
2500	72.5	77.0	79.9	81.8	87.2	82.9	81.9	80.9	80.5	80.3	78.4	84.8	77.8	75.1	78.9	141.9
3150	72.4	76.6	81.2	80.7	83.1	83.2	81.8	79.5	78.3	79.0	79.3	78.8	74.2	75.1	74.7	140.4
4000	75.8	81.2	84.7	83.4	80.3	84.2	82.6	79.7	81.7	82.4	82.8	77.7	75.3	77.7	77.4	142.7
5000	79.6	85.0	86.7	88.6	85.9	87.4	87.8	86.6	92.3	92.4	90.5	87.8	81.9	81.8	83.5	150.8
6300	78.5	77.7	78.9	81.8	84.1	79.4	78.7	82.9	82.1	80.6	79.1	81.1	76.4	73.7	76.8	142.7
8000	72.1	75.7	80.3	78.7	81.8	80.8	80.4	80.1	81.1	82.1	83.4	78.8	73.3	75.2	72.5	144.1
10000	75.6	77.9	79.4	81.2	80.2	80.4	81.4	82.3	85.3	86.2	84.4	83.9	77.7	76.1	76.2	148.4
OASPL MEASURED	90.8	93.8	96.8	100.8	102.8	101.2	101.2	99.3	99.3	98.9	98.8	98.9	98.6	99.8	101.6	
OASPL CALCULATED	89.1	92.8	95.9	98.8	101.1	100.1	100.8	98.3	98.4	98.2	96.8	97.2	96.6	97.4	98.9	
PNDB	102.2	106.5	108.8	110.5	112.8	111.6	111.5	110.5	112.2	112.2	110.9	110.0	107.0	100.4	107.7	

OAPWL 150.5

DIRECTIVITY INDEX

FREQ.															
50	-6.5	-5.9	-6.4	-6.6	-6.0	-6.2	-5.8	-5.1	-4.5	-3.8	-2.8	-0.1	3.2	7.9	10.8
63	-9.2	-8.0	-7.6	-5.4	-6.1	-6.3	-5.2	-4.7	-4.2	-3.2	-1.9	0.1	3.4	7.7	9.9
80	-8.9	-7.5	-7.2	-5.8	-5.7	-5.8	-4.5	-3.8	-3.3	-2.3	-0.8	1.5	4.3	6.5	9.3
100	-8.5	-7.1	-7.5	-6.5	-5.4	-4.4	-3.8	-2.7	-2.5	-1.8	-0.7	1.8	5.4	6.2	7.7
125	-7.3	-4.9	-4.1	-7.1	-5.1	-1.8	-3.2	-2.6	-1.6	-1.1	1.5	2.5	4.3	6.0	9.1
160	-6.0	-3.8	-5.0	-5.6	-4.2	-2.8	-1.6	-1.5	-1.8	-0.6	1.4	2.4	3.4	5.4	9.5
200	-4.1	-3.0	-5.8	-4.4	-4.5	-3.3	-1.7	-0.5	0.4	-0.7	1.6	2.5	2.2	2.9	7.1
250	-5.1	-3.9	-2.1	-1.2	-3.9	-4.8	-3.0	-3.7	-2.4	-2.2	0.1	2.0	3.9	4.8	7.6
315	-5.0	-3.1	-2.8	-1.4	-2.6	-3.1	-3.1	-4.9	-4.5	-2.1	0.3	4.1	5.5	3.9	4.9
400	-4.7	-3.0	-3.0	-1.7	-2.3	-1.3	-1.8	-2.0	-1.5	-1.0	0.7	4.1	4.1	3.0	2.5
500	-5.7	-3.6	-3.5	-2.7	-2.8	-1.8	-0.9	-0.5	0.6	0.1	1.7	4.1	2.5	1.2	0.9
630	-6.3	-4.4	-3.1	-3.2	-1.3	0.1	-0.9	0.3	0.3	1.8	1.9	3.5	0.7	-1.1	-0.6
800	-7.0	-4.6	-2.4	1.2	1.3	1.5	2.9	3.0	-1.6	-0.3	-1.8	0.4	-0.3	-2.7	-3.1
1000	-10.6	-7.8	-3.5	0.6	4.4	2.5	2.4	0.6	-1.2	0.3	-3.8	-2.1	-3.6	-5.9	-5.3
1250	-12.3	-7.6	-2.4	1.7	4.0	2.9	3.1	0.7	-0.8	-1.6	-4.8	-3.8	-4.5	-6.9	-7.4
1600	-9.6	-6.4	-2.8	1.2	3.7	3.3	3.5	0.2	-0.4	-1.8	-4.9	-3.4	-4.1	-7.8	-5.4
2000	-10.2	-6.2	-2.3	1.1	5.2	2.9	1.9	0.7	-0.7	-2.0	-4.2	-3.3	-5.5	-8.2	-5.1
2500	-9.3	-4.7	-1.9	0.1	5.5	1.2	0.2	1.2	0.8	-1.4	-3.4	-1.0	-4.0	-6.7	-3.7
3150	-7.4	-3.3	1.4	0.8	3.2	3.3	1.1	-0.3	-0.6	-0.9	-0.3	-3.8	-5.7	-4.8	-5.1
4000	-5.7	-0.3	3.2	2.1	-1.8	2.7	1.1	-1.8	0.2	0.8	0.5	-3.9	-6.3	-3.8	-4.1
5000	-8.9	-3.5	-1.8	0.1	-2.6	-1.2	-0.8	-0.0	3.7	3.8	2.0	-0.0	-0.6	-6.7	-5.0
6300	-7.8	-2.6	-1.3	0.7	3.8	-0.8	-1.6	1.8	1.8	0.3	-1.2	0.8	-3.9	-6.6	-3.5
8000	-8.0	-4.4	0.2	-1.4	1.7	0.7	0.3	0.0	1.0	2.0	3.3	-1.5	-6.8	-4.9	-7.4
10000	-8.6	-4.4	-2.9	-1.1	-2.1	-1.7	-0.9	0.0	3.0	3.9	2.1	1.6	-4.6	-6.2	-6.0

A11

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 0.3

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 445.
BAR 29.2
TAM3 41.0
TWET 34.0
HACT 3.1[9][10]3
SPEED 0[8]108
CRPH 8244.3
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	75.1	75.7	75.0	74.8	75.1	76.8	75.4	76.8	78.2	79.3	79.6	81.9	85.2	91.3	92.3	140.3
63	71.5	72.3	73.3	75.7	74.8	75.4	75.2	77.1	78.2	79.3	80.2	82.5	85.3	90.4	92.8	140.6
80	71.3	72.8	73.8	74.3	74.7	75.7	76.8	77.2	78.0	79.3	80.8	83.8	85.9	89.0	90.7	139.6
100	72.0	72.9	73.1	74.0	75.6	76.9	77.4	78.4	78.9	79.7	80.7	82.9	87.0	88.4	88.4	139.5
125	73.2	74.1	74.2	73.1	77.7	78.2	78.1	80.4	80.7	82.3	83.8	83.9	86.8	89.1	85.5	140.1
160	71.2	73.0	71.8	71.3	74.3	75.7	76.4	77.1	78.9	77.8	79.2	80.4	82.4	84.8	80.3	136.4
200	69.9	71.1	69.8	68.3	70.7	72.7	73.2	74.7	74.6	73.4	75.1	76.2	76.7	77.5	76.4	132.2
250	67.9	69.0	69.3	69.0	69.7	68.0	70.1	71.7	71.6	72.2	71.8	73.8	74.3	77.3	78.5	130.2
315	68.1	70.7	72.5	73.2	72.4	71.4	70.8	71.2	71.7	74.8	76.1	79.7	80.9	80.6	80.8	134.1
400	72.7	75.1	75.6	77.3	77.8	76.7	76.8	74.4	76.1	78.0	80.4	83.3	83.5	83.3	81.7	137.7
500	73.5	76.3	76.8	78.0	77.7	79.7	79.0	78.5	80.3	80.7	83.0	85.0	84.1	83.0	81.0	139.5
630	75.4	79.1	80.3	80.9	80.4	83.4	83.9	83.0	82.9	82.9	87.2	86.2	86.4	84.7	81.9	142.8
800	75.7	76.5	81.9	81.4	85.8	86.7	87.1	88.1	84.8	83.4	83.3	85.8	86.6	82.7	78.8	143.5
1000	75.8	78.7	85.8	88.0	90.3	88.8	88.3	85.8	82.7	83.5	82.3	84.1	82.3	80.1	79.4	145.1
1250	78.9	84.1	91.0	92.3	96.5	96.7	94.2	90.8	90.7	90.2	88.6	88.3	83.7	84.5	151.4	
1600	78.0	81.1	85.9	87.3	92.2	91.9	91.2	90.8	87.8	89.9	86.1	86.6	84.1	83.2	82.6	148.1
2000	79.1	82.6	86.2	89.1	95.8	92.6	91.8	88.4	87.1	85.8	84.7	86.4	84.7	81.8	83.3	149.8
2500	78.4	77.4	81.3	81.3	88.3	83.6	82.9	83.7	82.8	80.2	79.6	81.4	78.6	75.8	77.5	142.6
3150	71.2	75.6	80.9	78.8	82.5	82.4	80.3	78.5	77.1	77.0	79.8	81.4	79.9	74.8	73.6	139.5
4000	74.8	80.9	85.1	83.4	88.4	84.3	83.3	79.3	80.2	81.7	82.5	76.8	75.7	78.1	76.4	142.6
5000	78.0	84.1	86.3	87.3	85.3	86.8	88.6	89.1	91.2	92.3	91.2	87.2	88.1	81.2	81.8	149.8
6300	71.7	78.0	79.1	81.4	83.4	79.8	79.5	81.7	81.9	81.3	80.5	81.3	77.5	74.1	76.8	142.8
8000	70.8	75.3	80.2	77.9	81.6	80.5	80.6	79.6	79.9	81.5	83.2	77.3	73.5	75.2	71.3	143.7
10000	71.9	76.8	78.6	80.1	79.2	80.2	82.2	81.5	84.5	85.1	85.1	82.8	77.6	75.6	74.8	147.9
OASPL MEASURED	89.9	93.1	97.5	98.6	102.2	102.0	100.6	99.5	98.6	98.7	98.7	98.5	99.1	100.8	101.2	
OASPL CALCULATED	88.2	92.2	96.8	97.7	101.3	101.2	99.7	98.5	97.8	97.9	97.9	97.1	97.3	98.5	98.7	
PNDB	101.1	105.8	108.9	109.6	113.4	112.3	111.3	110.9	111.5	112.1	111.7	109.7	107.5	106.8	106.7	

OAPWL 158.5

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-7.4	-6.8	-7.5	-7.7	-7.4	-6.5	-7.1	-5.7	-4.3	-3.2	-2.9	-0.6	2.7	8.8	9.8
63	-10.6	-9.8	-6.8	-6.5	-7.3	-6.7	-6.9	-5.0	-4.8	-2.9	-2.8	0.4	3.1	8.2	9.8
80	-10.3	-8.8	-7.8	-7.3	-6.9	-5.9	-4.8	-4.5	-3.6	-2.3	-0.8	1.4	4.3	7.3	9.1
100	-9.4	-8.6	-8.3	-7.4	-5.9	-4.5	-4.0	-3.0	-2.5	-1.7	-0.7	2.9	5.6	7.8	7.8
125	-8.9	-6.0	-7.9	-9.0	-4.4	-3.9	-4.0	-1.5	-1.4	0.2	1.7	1.8	4.7	6.9	3.4
160	-7.0	-4.3	-6.4	-6.8	-3.9	-2.5	-1.8	-1.1	-1.3	-0.3	1.8	2.9	4.2	6.4	2.1
200	-4.0	-2.8	-6.1	-5.6	-3.2	-1.2	-0.7	0.8	0.7	-0.5	1.2	2.3	2.8	3.6	2.5
250	-3.8	-4.8	-2.5	-2.8	-4.1	-3.0	-1.7	-0.1	-0.2	-1.4	-0.8	1.4	2.5	5.6	6.7
315	-7.4	-4.8	-3.0	-2.4	-3.2	-4.5	-4.7	-5.3	-3.8	-1.5	0.5	4.2	5.4	5.8	5.3
400	-6.3	-3.9	-3.4	-1.7	-2.0	-2.3	-3.0	-4.6	-2.9	-1.0	1.5	4.3	4.5	4.3	2.7
500	-7.2	-4.4	-3.9	-2.7	-5.8	-1.8	-1.7	-2.2	-0.5	-0.0	2.5	4.2	3.4	2.3	0.9
630	-12.6	-8.9	0.2	-1.1	1.4	4.9	0.8	0.9	-0.2	-2.1	-3.9	-1.9	-1.6	-3.3	-6.2
800	-0.7	-7.9	-2.6	-3.1	0.2	2.3	2.7	3.7	-0.5	-1.0	-1.1	-1.4	-0.8	-1.7	-5.7
1000	-10.8	-7.1	-0.1	2.1	4.4	3.0	2.5	-0.1	-3.2	-2.4	-3.5	-1.8	-3.6	-5.8	-6.5
1250	-13.2	-8.8	-1.1	0.2	4.4	4.6	2.1	-1.3	-1.4	-1.4	-1.9	-5.9	-3.8	-8.4	-7.6
1600	-10.4	-7.4	-2.6	-1.1	3.7	3.4	2.7	2.3	-1.4	-2.6	-2.4	-1.9	-4.3	-5.3	-5.9
2000	-9.9	-6.4	-2.9	0.0	5.9	3.6	2.0	-0.7	-1.9	-3.9	-4.3	-2.6	-4.3	-8.1	-5.7
2500	-10.0	-5.0	-1.1	-1.1	5.9	1.2	0.6	1.3	-0.4	-2.2	-2.8	-1.0	-3.8	-6.6	-4.9
3150	-7.7	-3.4	1.9	-0.2	3.5	3.4	1.3	-0.5	-1.9	-1.8	0.1	-1.8	-5.0	-3.7	-5.4
4000	-6.7	-0.5	3.6	1.9	-1.0	2.8	1.9	-2.1	-1.2	0.2	1.8	-4.7	-5.7	-3.3	-5.0
5000	-10.4	-4.3	-2.1	-1.0	-3.1	-1.6	0.3	0.7	2.9	4.8	2.9	-1.2	-6.2	-7.1	-6.5
6300	-8.6	-2.3	-1.3	1.0	3.1	-1.3	-0.2	1.3	1.5	0.9	0.1	1.8	-2.9	-6.3	-4.4
8000	-8.8	-4.4	0.5	-1.7	1.9	0.9	0.9	-0.1	0.3	1.9	3.5	-2.3	-6.2	-4.5	-8.4
10000	-9.9	-4.9	-3.1	-1.7	-2.5	-1.5	0.5	-0.2	2.7	3.3	3.4	0.9	-4.1	-6.1	-6.9

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 14 HR. 13.8

RADIAL 250.0
VEHICLE -SH
CONFIG RUN 26
LOC FPG
DATE 12/11/68
RUN 448.
BAR 29.1
TAMB 41.0
TWET 34.0
MACH 3.19769
SPEED 05808
CRPM 5089.1
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	67.3	66.6	66.1	66.0	64.5	64.2	65.9	68.4	68.1	70.8	69.2	70.5	71.4	73.3	75.3	126.7
63	63.6	68.9	61.3	72.7	63.6	62.1	63.7	70.6	65.7	66.3	67.9	68.4	72.2	71.3	73.6	126.4
80	63.9	63.5	63.8	63.1	65.8	65.0	66.5	68.2	67.8	70.0	67.[illegible]	68.5	69.5	70.2	72.9	125.5
100	62.3	68.9	63.2	63.1	63.6	63.8	64.6	66.7	66.9	66.3	66.5	67.6	69.0	[illegible]	71.6	124.6
125	61.9	62.8	59.9	59.7	61.5	61.8	63.3	65.8	64.4	67.1	63.9	64.5	72.9	69.8	72.6	124.7
160	63.8	62.6	62.4	64.1	63.3	60.8	62.7	65.8	65.2	66.3	64.6	65.9	65.1	66.6	69.4	123.8
200	62.0	58.6	58.9	61.2	58.2	57.4	59.2	62.6	61.1	62.8	61.9	62.2	61.9	63.8	63.7	119.3
250	58.2	58.3	58.7	57.1	58.1	55.1	57.5	58.7	57.8	58.7	57.3	57.5	58.4	60.3	60.5	116.2
315	60.0	58.6	61.6	62.3	60.6	60.1	61.2	61.8	58.7	60.8	60.5	62.2	62.8	62.6	60.8	119.5
400	61.9	64.3	64.9	64.1	62.8	62.5	63.8	64.2	63.4	63.2	64.1	64.5	65.5	65.1	63.3	122.4
500	63.6	64.2	63.9	64.2	63.9	64.1	64.9	65.6	65.7	65.3	66.2	65.9	65.9	63.6	63.1	123.6
630	64.6	65.7	66.3	65.3	65.3	65.8	66.2	66.7	66.9	68.1	68.2	67.9	67.1	64.4	64.8	125.4
800	63.2	63.7	66.7	65.1	63.1	64.1	63.9	65.1	65.2	67.4	66.8	66.9	65.7	64.5	64.[illegible]	124.6
1000	64.2	66.8	69.6	71.8	69.0	68.0	68.6	68.8	68.2	69.5	70.2	69.1	67.1	66.6	66.6	127.9
1250	66.3	71.0	73.2	71.1	71.0	69.5	69.4	69.1	70.8	70.4	71.6	71.8	68.5	65.7	69.1	129.7
1600	66.9	71.5	72.7	71.6	72.0	69.8	70.7	71.8	71.8	71.7	71.7	72.2	70.4	66.4	70.2	130.7
2000	67.3	72.5	73.2	71.4	73.5	69.3	70.9	71.6	72.3	71.9	72.1	72.8	70.7	66.6	71.2	131.5
2500	66.6	72.1	72.0	70.9	73.9	68.9	69.6	71.8	71.7	71.0	70.6	72.9	69.8	65.4	70.4	131.4
3150	70.2	77.5	79.6	76.0	77.1	76.4	76.2	76.8	74.9	76.0	76.9	76.4	74.6	72.4	72.8	136.7
4000	67.5	73.4	75.2	72.8	69.2	71.7	72.2	69.9	71.7	74.4	75.9	69.8	68.7	68.1	69.4	133.2
5000	68.1	73.7	73.7	74.0	71.5	71.3	73.0	72.4	74.0	79.2	74.9	73.4	70.4	67.5	70.4	134.4
6300	69.5	74.3	72.5	74.1	70.6	70.9	71.2	73.7	74.1	72.9	72.3	76.3	72.8	65.9	73.1	135.8
8000	65.7	70.2	73.3	71.4	72.5	69.3	70.6	67.9	69.8	71.8	74.4	72.6	67.1	67.2	69.0	134.9
10000	67.1	72.3	73.1	73.7	72.0	70.9	72.1	69.4	72.2	74.0	73.9	71.6	69.8	66.4	67.6	137.9
OASPL MEASURED	82.6	85.1	86.8	85.1	85.8	83.8	85.4	86.4	86.3	86.4	86.4	85.5	84.3	83.6	85.8	
OASPL CALCULATED	79.4	83.9	85.1	84.5	84.2	82.3	83.8	83.1	83.5	84.8	85.4	84.3	83.0	81.6	83.8	
PNDB	93.4	98.8	100.3	98.3	98.7	97.4	97.8	97.8	97.5	99.0	100.4	97.9	95.8	94.6	96.8	

OAPWL 144.9

DIRECTIVITY INDEX

FREQ.														
50	-1.6	-2.2	-2.9	-3.0	-4.7	-4.8	-3.1	-0.5	-0.8	1.0	0.3	1.6	2.8	4.3	6.4
63	-4.7	-7.7	-7.8	4.1	-5.0	-6.4	-4.0	2.0	-2.8	0.6	-0.7	-0.2	3.7	2.7	5.1
80	-4.8	-4.0	-3.7	-4.5	-2.8	-2.9	-1.1	0.6	0.3	2.4	0.1	1.0	1.9	2.6	5.0
100	-4.2	-3.7	-3.4	-3.5	-2.8	-3.5	-2.0	0.2	0.3	2.7	-0.1	1.0	2.4	3.3	5.0
125	-4.6	-3.7	-6.6	-6.9	-5.0	-4.9	-3.2	-1.5	-2.1	0.6	-0.6	-0.8	7.4	2.9	6.1
160	-0.9	-2.1	-2.3	-0.6	-1.4	-3.9	-2.0	1.1	0.9	1.6	-0.1	1.2	0.4	1.9	4.7
200	1.1	-2.5	-4.0	0.3	-2.8	-3.9	-1.7	1.6	0.2	1.9	1.0	1.3	1.0	-0.1	2.7
250	0.4	-1.2	-1.1	-0.6	-1.7	-2.7	-0.3	0.9	0.[illegible]	1.9	-0.9	-0.3	0.6	2.9	2.7
315	-1.0	-2.3	0.7	1.3	-0.4	-0.9	0.2	0.0	-2.3	0.0	-0.3	1.2	2.0	1.7	-0.2
400	-1.9	0.7	1.2	0.3	-1.0	-1.3	-0.8	0.4	-0.3	-0.3	0.3	0.7	1.7	1.3	-0.5
500	-1.2	-0.6	-0.9	-0.7	-1.4	-0.7	0.1	0.8	0.0	0.5	1.4	1.1	1.1	-1.2	-1.7
630	-1.9	-0.9	-0.2	-1.1	-1.2	-1.4	-0.2	0.3	0.5	1.7	1.8	1.5	0.7	-2.1	-1.7
800	-2.3	-1.6	1.2	-0.4	0.6	-1.3	-1.6	-0.4	-0.3	1.9	1.5	1.4	0.3	-1.0	-1.4
1000	-4.4	-1.9	1.0	2.3	0.3	-0.6	-0.1	0.2	-0.4	0.9	1.5	0.4	-1.6	-3.8	-2.8
1250	-3.9	0.8	3.0	0.9	0.8	-0.7	-0.8	-1.2	-0.2	0.4	1.4	0.7	-1.7	-4.5	-1.1
1600	-4.1	0.5	1.7	3.6	1.0	-1.[illegible]	-0.3	0.8	-0.9	0.7	0.7	1.2	-0.6	-4.6	-0.8
2000	-4.2	1.0	1.7	-0.1	2.0	-2.2	-1.0	0.1	0.7	0.3	0.5	1.3	-0.8	-5.5	-0.3
2500	-4.7	1.0	1.7	-0.2	2.6	-2.6	-1.5	0.7	0.6	-0.1	-0.5	1.8	-1.3	-5.7	-0.7
3150	-5.9	1.4	3.5	-0.2	1.0	0.3	0.1	-2.2	-1.8	0.5	3.4	-1.7	-4.6	-5.8	-4.1
4000	-4.7	1.3	3.1	0.7	-2.9	-0.4	0.1	-2.2	-0.4	2.3	3.3	-2.3	-3.4	-4.0	-3.7
5000	-4.8	0.8	0.8	1.1	-1.[illegible]	-1.6	0.1	-0.5	1.1	2.3	1.9	0.4	-2.6	-5.6	-2.6
6300	-4.8	0.9	-0.8	0.7	3.[illegible]	-2.8	-2.2	0.4	0.8	-0.4	-1.1	3.0	-1.4	-7.4	-0.2
8000	-5.1	-0.7	2.5	0.5	1.7	-1.5	-0.8	-3.0	-1.8	1.0	3.6	1.8	-3.7	-3.7	-4.9
10000	-4.6	0.4	1.3	2.0	0.3	-0.8	0.3	-2.4	0.4	2.2	1.8	-0.7	-2.8	-5.3	-4.1

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 28 HR. 0.3

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 446.
BAR 29.2
TAMB 41.0
TWET 34.0
MACT 3.19183
SPEED 08300
CRPM 8447.9
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	76.0	76.9	75.3	74.9	75.0	76.2	76.5	76.6	77.4	79.0	79.9	82.6	85.7	91.5	93.4	140.8
63	71.7	73.8	73.9	76.1	74.9	75.4	75.8	76.7	77.8	79.4	80.6	82.8	86.0	91.1	93.9	141.0
80	72.0	73.9	73.8	75.0	75.1	76.1	77.6	77.9	78.1	79.5	81.2	83.5	86.6	89.6	93.3	140.7
100	72.7	74.5	73.7	74.4	75.6	76.7	77.8	78.9	79.4	80.6	81.6	84.2	87.9	89.5	91.3	140.7
125	73.9	76.8	74.5	74.3	74.2	78.5	78.6	78.9	81.6	83.0	84.9	85.7	88.2	90.3	87.8	141.3
160	72.3	75.3	73.3	73.1	74.7	76.4	77.4	77.4	79.2	80.6	82.3	83.3	85.1	86.7	83.4	138.7
200	71.5	73.4	69.8	70.5	71.6	73.0	74.3	75.5	76.5	78.3	79.8	80.4	79.2	79.2	79.2	134.6
250	69.8	68.9	69.5	69.8	67.9	68.7	71.3	72.5	74.8	73.7	74.8	74.2	73.7	75.7	76.4	130.9
315	67.8	69.9	71.9	72.7	71.4	70.0	70.5	70.4	72.8	74.6	75.4	76.5	80.2	80.1	74.4	133.3
400	72.6	74.8	75.4	77.1	76.4	76.0	75.6	73.9	74.1	75.6	78.9	82.4	83.1	83.2	76.7	136.8
500	74.1	76.7	78.1	80.4	79.1	82.4	81.9	79.7	79.2	80.6	81.7	84.9	84.8	83.6	80.7	140.0
630	77.8	81.8	86.2	88.9	90.8	91.7	89.5	89.3	87.3	87.5	87.4	88.1	86.8	85.7	83.0	147.2
800	79.1	81.0	83.8	86.0	87.9	89.8	89.4	88.6	87.4	87.0	86.1	86.9	85.1	84.9	82.3	146.1
1000	74.0	76.9	79.1	85.1	83.3	86.3	84.3	82.0	81.8	81.1	82.0	81.5	80.9	80.9	81.7	141.8
1250	79.0	83.7	91.1	95.5	95.9	95.8	91.7	90.4	87.3	87.4	85.4	86.2	84.9	81.7	82.4	150.7
1600	77.8	83.7	87.3	89.2	93.5	91.7	89.6	89.3	87.6	84.7	85.0	85.7	84.8	81.6	81.1	148.1
2000	76.8	80.3	83.3	87.9	90.1	89.6	86.6	86.5	84.8	82.9	82.0	83.9	83.6	80.8	81.9	145.7
2500	72.3	76.9	79.7	82.1	86.5	83.7	81.8	83.1	81.3	80.4	79.5	82.1	78.8	76.2	78.8	141.9
3150	70.4	75.1	80.0	78.6	80.7	81.9	79.1	77.9	76.6	77.9	79.8	78.8	74.1	75.5	73.7	138.9
4000	73.4	79.9	83.3	82.2	78.2	83.7	82.2	79.4	79.6	81.4	81.7	77.3	75.3	77.8	76.0	141.7
5000	76.8	83.1	85.2	86.7	83.4	85.8	87.7	89.3	90.4	91.8	89.0	86.7	81.2	80.4	81.5	148.8
6300	70.8	77.5	78.8	80.6	81.7	78.9	79.9	83.0	82.7	82.3	80.8	80.3	77.8	74.7	76.6	143.0
8000	70.8	74.6	78.6	77.4	78.8	81.7	81.9	80.5	80.7	82.8	83.7	78.2	73.1	75.8	71.7	144.2
10000	71.0	75.8	78.0	79.8	78.1	80.1	81.2	81.7	84.0	84.9	84.7	83.2	77.1	75.3	75.6	147.6
OASPL MEASURED	98.2	93.7	97.1	100.2	101.4	101.4	99.5	99.8	98.1	98.3	98.1	99.1	93.6	101.6	102.9	
OASPL CALCULATED	88.3	92.4	96.0	99.0	100.3	100.4	98.3	98.8	97.2	97.3	97.0	97.5	97.5	99.2	100.3	
PNDB	100.3	105.5	106.0	110.6	111.2	111.6	110.2	110.8	110.9	111.3	110.5	109.7	107.1	106.7	106.7	

OAPWL 150.0

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-7.0	-6.1	-7.7	-8.1	-8.0	-6.9	-6.5	-6.4	-5.4	-4.8	-3.1	-0.4	2.7	8.5	10.4
63	-11.4	-9.3	-9.2	-7.1	-8.2	-7.7	-7.3	-6.5	-5.3	-3.7	-2.5	-0.4	2.9	7.9	10.8
80	-10.8	-8.9	-9.0	-7.7	-7.6	-6.6	-5.2	-4.8	-4.7	-3.2	-1.6	0.7	3.9	6.9	10.5
100	-9.9	-8.2	-9.0	-8.2	-7.1	-5.9	-4.9	-3.7	-3.2	-2.8	-1.8	1.6	5.2	6.9	8.7
125	-9.3	-6.4	-8.7	-8.9	-7.0	-4.7	-4.6	-4.3	-1.6	-0.2	1.7	2.5	5.1	7.1	4.6
160	-8.1	-5.1	-7.1	-7.3	-5.7	-4.0	-3.0	-3.0	-1.2	0.2	1.9	2.9	4.7	6.3	3.3
200	-4.7	-2.9	-6.4	-5.7	-4.7	-3.3	-1.9	-0.7	0.2	0.2	2.8	3.5	4.2	3.0	2.9
250	-2.7	-3.5	-3.0	-3.5	-4.5	-3.7	-1.1	0.0	1.6	1.3	1.6	1.7	1.3	3.3	4.8
315	-6.9	-4.8	-2.8	-1.9	-3.2	-4.6	-4.2	-4.3	-1.9	-0.8	0.7	3.8	5.7	5.4	-0.2
400	-5.5	-3.2	-2.6	-1.0	-1.7	-2.1	-2.4	-4.1	-3.9	-2.5	0.8	4.3	5.0	5.1	-1.4
500	-7.1	-4.5	-3.1	-0.8	-2.2	1.2	0.7	-1.5	-2.0	-0.6	0.5	3.7	2.7	2.3	-0.5
630	-11.3	-6.5	-2.1	0.6	2.5	3.4	1.2	1.0	-1.0	-0.8	-0.9	-0.2	-2.3	-2.6	-3.3
800	-7.9	-6.0	-3.2	-1.0	0.9	2.8	2.4	1.6	0.4	-0.8	-0.9	-0.1	-1.9	-2.5	-4.7
1000	-8.6	-5.6	-3.4	2.5	0.7	3.7	1.8	-0.5	-0.7	-1.5	-0.6	-1.8	-1.4	-1.6	-0.9
1250	-12.2	-7.5	-0.2	4.3	4.6	4.6	0.4	-0.8	-3.9	-3.9	-5.8	-5.8	-6.4	-9.5	-8.9
1600	-10.7	-4.8	-1.2	0.8	5.1	3.3	1.2	0.9	-0.8	-3.7	-3.4	-2.7	-3.6	-6.8	-7.3
2000	-9.0	-5.5	-2.5	2.1	4.3	3.8	0.8	0.7	-1.8	-2.9	-3.3	-1.9	-2.2	-5.0	-3.9
2500	-9.5	-4.9	-2.1	0.4	4.8	1.9	0.0	1.4	-0.4	-1.4	-2.2	0.3	-2.9	-5.6	-5.8
3150	-8.0	-3.2	1.6	0.2	2.4	3.6	0.7	-0.4	-1.8	-0.5	0.6	-1.5	-4.3	-2.6	-4.7
4000	-7.2	-0.7	2.7	1.6	-2.4	3.1	1.6	-1.2	-1.0	0.8	1.1	-3.3	-5.3	-2.8	-4.6
5000	-10.5	-4.2	-2.2	-0.7	-4.0	-1.5	0.3	2.0	3.1	3.6	1.7	-0.6	-6.1	-6.9	-5.8
6300	-9.8	-3.1	-1.7	0.0	1.1	-1.6	-1.1	2.4	2.1	1.7	0.2	1.7	-2.8	-5.8	-4.0
8000	-10.2	-5.6	-0.4	-2.8	-0.4	1.5	1.7	3.3	0.5	2.6	3.5	-2.1	-7.1	-4.4	-8.5
10000	-10.4	-5.6	-3.4	-1.7	-3.3	-1.3	-0.2	3.3	2.6	3.5	3.3	1.8	-4.3	-6.1	-5.8

RADIAL 259.0
VEHICLE -SK
CONFIG RUN 26
LOC FPG
DATE 12/11/68
RUN 447,
BAR 29.2
TAMB 41.0
THEI 34.0
HACT 3.19183
SPEED 86508
CRPM 8651.4
TAPE T8027,

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PNL
50	76.1	76.0	76.0	75.8	75.2	74.9	77.2	78.8	79.5	80.6	88.8	83.1	86.8	92.4	94.8	141.9
63	72.2	72.6	73.9	75.9	75.4	76.3	77.2	78.4	79.1	80.6	81.4	83.8	87.3	92.2	95.2	142.1
80	72.9	74.0	74.4	75.8	75.8	76.4	78.2	79.3	79.8	80.6	81.7	84.1	88.1	93.9	94.2	141.8
100	73.8	74.2	74.2	75.1	76.1	77.8	79.0	80.1	80.5	82.0	82.3	84.6	88.8	93.3	92.2	141.6
125	73.2	76.5	75.2	74.1	75.9	78.4	79.0	79.5	81.4	82.3	83.9	85.7	88.5	91.0	88.6	141.6
160	74.5	76.1	74.9	72.8	74.4	77.5	78.8	78.1	83.8	83.1	84.2	85.7	87.1	83.8	139.5
200	71.1	72.2	68.5	69.2	70.5	73.2	73.7	79.6	76.3	76.7	77.1	78.7	79.9	79.0	77.9	134.8
250	68.4	68.4	71.0	71.1	67.1	67.8	68.8	71.5	72.8	72.3	72.6	73.2	74.9	76.1	76.4	130.4
315	71.8	73.1	74.1	75.1	73.4	73.7	72.9	72.5	73.4	75.4	77.8	80.3	81.9	80.3	79.8	135.1
400	75.7	77.0	78.5	82.4	80.8	82.2	80.9	81.9	79.7	80.2	81.4	84.3	83.8	83.5	81.6	140.2
500	76.5	78.3	80.9	83.2	84.0	82.8	83.3	82.7	82.5	83.0	84.6	86.2	86.8	84.8	84.8	142.2
630	76.2	79.9	85.9	87.2	88.7	84.7	87.2	87.6	85.7	86.5	86.4	87.3	87.8	85.9	85.8	145.5
800	77.1	79.7	86.3	89.8	88.8	87.5	86.2	88.8	86.3	87.5	86.9	85.5	86.4	85.8	83.6	145.9
1000	74.9	76.6	80.4	84.1	83.2	83.4	82.0	81.1	81.8	82.6	81.6	81.8	82.3	81.1	81.8	141.1
1250	73.4	82.4	87.5	89.1	91.8	89.5	89.8	87.7	87.8	86.9	86.2	85.6	86.8	82.7	84.6	147.2
1600	78.5	81.7	85.9	89.8	89.2	87.6	87.8	85.6	85.7	85.5	85.2	84.9	83.7	82.5	84.4	145.8
2000	78.6	82.5	84.5	86.4	89.8	86.5	85.2	85.6	84.6	84.2	82.6	84.8	82.3	80.7	83.8	144.9
2500	74.2	77.9	80.5	82.8	85.2	83.7	82.8	81.6	81.4	81.3	79.5	81.1	79.4	78.9	80.1	141.2
3150	72.8	76.8	79.8	78.6	79.8	79.2	78.3	77.8	77.4	79.1	79.5	78.3	74.8	75.9	75.3	138.6
4000	74.7	79.9	82.8	81.7	77.2	81.8	81.1	78.5	79.9	82.9	82.3	78.3	75.9	78.8	77.8	141.3
5000	77.5	82.5	83.5	85.1	83.2	85.1	87.7	88.2	92.8	93.3	89.6	85.7	82.1	88.1	82.3	149.6
6300	72.9	78.8	78.4	80.3	81.8	79.3	81.2	84.8	85.7	86.4	83.7	84.8	79.9	75.8	78.7	145.1
8000	71.4	74.7	78.7	76.4	78.5	79.9	79.6	88.1	79.8	83.8	83.5	77.2	73.4	74.9	72.5	143.5
10000	72.8	75.4	76.8	78.3	77.1	79.1	80.7	82.1	83.8	87.4	84.5	80.9	76.8	74.6	75.4	147.2
OASPL MEASURED	90.9	93.3	96.8	98.5	99.1	98.1	98.8	98.5	98.4	99.5	98.8	98.9	100.4	102.3	104.1	
OASPL CALCULATED	89.1	92.8	95.3	97.2	97.9	96.8	96.7	97.5	97.5	98.6	97.6	97.4	98.4	99.9	101.5	
PNDB	101.5	105.3	107.5	108.7	109.8	108.7	109.7	111.1	111.9	113.1	111.1	109.2	107.8	106.9	106.1	

OAPNL 157.5

DIRECTIVITY INDEX

FREQ,	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-8.1	-8.1	-8.2	-9.2	-9.8	-7.3	-6.9	-6.4	-4.7	-3.5	-3.4	-1.8	2.6	8.3	10.7
63	-12.1	-11.6	-10.4	-8.4	-8.9	-8.8	-7.1	-5.9	-5.2	-3.7	-2.9	-0.5	3.8	7.9	10.9
80	-11.0	-9.8	-9.4	-8.8	-8.1	-7.4	-5.8	-4.6	-4.2	-3.2	-2.1	0.3	4.3	7.1	10.4
100	-9.9	-9.3	-9.4	-8.4	-7.4	-5.7	-4.5	-3.4	-3.0	-1.5	-1.2	1.1	5.2	6.8	6.7
125	-8.2	-8.9	-8.2	-9.4	-7.9	-5.9	-4.4	-3.9	-2.0	-0.1	0.5	2.3	5.0	7.9	5.4
160	-6.8	-5.2	-6.4	-8.6	-6.9	-3.8	-3.3	-3.2	-1.2	2.3	1.8	2.9	4.4	5.8	2.5
200	-4.6	-3.4	-7.1	-6.5	-5.2	-3.8	-1.9	-0.1	0.6	1.8	1.4	3.1	4.3	3.4	2.3
250	-3.5	-3.5	-0.9	-0.8	-4.8	-4.9	-3.1	-0.4	0.9	0.4	0.7	1.3	3.9	4.2	4.5
315	-4.9	-3.4	-2.4	-1.4	-3.1	-2.8	-3.6	-4.1	-3.1	-1.1	1.3	3.8	5.4	3.8	3.3
400	-5.9	-4.6	-3.0	0.8	-1.8	0.7	-0.7	0.4	-1.9	-1.3	-0.2	2.8	3.4	1.9	0.1
500	-6.6	-5.8	-2.5	-0.2	0.7	-0.6	-0.8	-0.7	-0.9	-0.3	1.2	2.8	2.6	0.6	0.6
630	-8.3	-6.6	-0.6	0.7	2.2	0.2	0.6	1.0	-0.9	-0.1	0.8	1.3	-1.5	-1.5	
800	-9.7	-7.1	-0.4	2.9	1.2	0.8	-0.6	2.1	-0.5	0.7	-0.9	-1.3	-0.3	-1.0	-3.2
1000	-6.9	-5.2	-1.4	2.2	1.3	1.5	0.1	-0.7	-0.8	0.8	-0.2	-0.1	0.4	-0.8	-0.9
1250	-9.4	-5.3	-0.2	1.4	3.9	1.8	1.2	-0.0	-0.8	-1.2	0.4	-2.1	-1.7	-5.0	-3.1
1600	-7.6	-4.4	-0.2	2.9	3.1	1.5	0.9	-0.5	-0.4	-0.4	-0.8	-1.2	-2.4	-3.0	-1.7
2000	-6.4	-2.4	-0.9	1.8	4.1	1.6	0.2	0.7	-0.4	-0.8	-2.3	-0.9	-2.7	-4.2	-1.2
2500	-6.9	-3.2	-0.6	0.9	4.1	-0.4	-0.9	1.4	0.5	0.2	-1.6	-0.0	-1.7	-4.2	-1.6
3150	-6.0	-2.0	1.8	0.6	1.8	1.2	0.3	-0.2	-0.6	1.1	1.5	-1.7	-3.2	-2.1	-2.7
4000	-5.6	-3.3	2.6	1.9	-3.1	1.6	0.9	-1.7	-0.4	2.5	2.1	-3.9	-4.3	-2.2	-3.2
5000	-10.7	-3.7	-4.7	-3.1	-5.8	-3.1	-0.4	2.0	3.8	5.2	1.4	-8.4	-6.0	-8.0	-5.8
6300	-9.8	-4.6	-4.3	-2.4	-1.6	-3.3	-1.9	2.2	3.0	4.0	1.1	1.4	-2.7	-0.8	-4.0
8000	-8.1	-4.8	-0.8	-3.1	-1.0	-0.5	0.1	0.6	0.0	4.3	4.0	-2.3	-0.1	-4.6	-7.1
10000	-9.0	-5.6	-4.2	-2.8	-3.9	-2.0	-0.3	1.1	2.5	4.3	3.5	-0.1	-4.4	-6.4	-5.6

SCALE MODEL RUN 26 T/D 12/11/68 PROC, DATE - MONTH 12 DAY 14 HR, 13.0

RADIAL 259.0
VEHICLE -SM
CONFIG RUN 26
LOC FPG
DATE 12/11/68
RUN 448,
BAR 29.1
TAMB 41.8
TWB1 34.0
MACH 3.19769
SPEED 05808
CRPM 5089.1
TAPS T8027,

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PNL
50	67.3	66.8	66.1	66.0	64.3	64.2	65.9	68.4	68.1	70.8	69.2	70.5	71.0	73.3	75.3	126.7
63	63.8	68.9	61.5	72.7	63.8	62.1	63.7	70.6	65.7	69.3	67.9	68.4	72.2	71.3	73.6	126.4
80	63.5	63.5	63.8	63.1	65.8	65.0	66.9	68.2	67.8	70.0	67.7	68.5	69.5	70.2	72.5	125.5
100	62.3	68.9	63.2	63.1	63.8	63.8	64.6	66.7	66.9	69.3	66.5	67.6	69.0	69.9	71.6	124.6
125	61.9	62.8	59.9	59.7	61.5	61.6	63.3	65.0	64.4	67.1	65.9	66.5	73.9	69.8	72.6	124.7
160	63.0	62.6	62.4	64.1	63.3	60.8	62.7	65.8	65.2	66.3	64.6	65.9	67.1	66.6	69.4	123.0
200	62.0	58.6	56.9	61.2	58.2	57.4	59.2	62.6	61.1	62.8	61.9	62.2	6	60.8	63.7	119.3
250	58.2	56.5	56.7	57.1	56.1	55.1	57.5	58.7	57.8	58.7	57.3	57.9	58.4	58.3	60.5	116.2
315	60.8	58.6	61.6	62.3	60.6	60.1	61.8	61.8	58.7	61.8	60.5	62.2	63.8	62.6	64.8	119.5
400	61.9	64.5	64.9	64.1	62.8	62.5	63.6	64.2	63.4	63.3	64.1	64.5	65.5	65.1	67.3	122.4
500	63.6	64.2	63.9	64.2	63.5	64.1	64.9	65.6	65.7	65.3	66.2	65.9	65.9	63.6	63.1	123.6
630	64.6	65.7	66.3	65.3	65.3	65.0	66.2	66.7	66.9	66.1	66.2	67.9	67.1	64.4	64.8	125.4
800	63.2	63.7	66.7	66.1	66.1	64.1	63.8	65.1	65.2	67.4	66.8	66.9	65.7	64.5	64.1	124.6
1000	64.2	66.8	69.6	71.0	69.0	68.8	68.6	68.8	68.2	69.5	70.2	69.1	67.1	64.8	66.6	127.9
1250	66.3	71.0	73.2	71.1	71.0	69.5	69.4	69.1	70.8	70.6	71.6	71.8	68.5	65.7	69.1	129.7
1600	66.9	71.5	72.7	71.6	72.0	69.8	70.7	71.0	71.9	71.7	71.7	72.2	70.4	66.4	70.2	130.7
2000	67.3	72.5	73.2	71.4	73.5	69.3	70.5	71.6	72.3	71.9	72.1	72.8	70.7	66.0	71.2	131.5
2500	66.4	72.1	72.8	70.9	73.9	68.5	69.6	71.8	71.7	71.8	72.6	72.9	69.8	65.4	70.4	131.3
3150	70.2	77.5	79.6	76.0	77.1	76.4	76.2	74.0	74.5	76.6	75.5	74.4	71.6	72.4	72.8	136.7
4000	67.5	73.4	75.2	72.8	69.2	71.7	72.2	69.9	71.7	74.4	73.5	69.8	68.7	68.1	68.4	133.2
5000	68.1	73.7	73.7	74.0	71.5	71.3	73.8	72.4	74.0	73.2	74.9	73.4	70.4	67.3	70.4	134.4
6300	68.6	74.3	72.5	74.1	70.6	70.9	71.2	73.7	74.1	72.9	72.3	76.3	72.8	65.9	73.1	135.8
8000	65.7	70.2	73.3	71.4	72.5	69.3	70.8	67.9	69.8	71.8	74.4	72.6	67.1	67.2	66.8	134.9
10000	67.1	72.3	73.1	73.7	72.0	70.9	72.1	69.4	72.2	74.0	73.5	71.8	69.8	66.4	67.6	137.9
OASPL MEASURED	82.6	85.1	86.0	85.1	85.0	83.6	83.8	85.4	84.3	86.4	86.4	85.5	84.3	83.6	85.8	
OASPL CALCULATED	79.4	83.9	85.1	84.1	84.2	82.3	83.0	83.1	83.5	84.8	85.4	84.3	83.0	81.6	83.8	
PNDB	93.4	96.8	100.3	98.3	98.7	97.4	97.8	97.8	97.5	99.0	100.4	97.9	95.8	94.8	96.9	

OAPWL 144.9

DIRECTIVITY INDEX

FREQ,															
50	-1.6	-2.2	-2.9	-3.0	-4.7	-4.8	-3.1	-0.5	-0.8	1.8	0.3	1.6	2.0	4.3	6.4
63	-4.7	-7.7	-7.0	-4.1	-5.0	-6.4	-4.8	2.0	-2.8	0.8	-0.7	-0.2	3.7	2.7	5.1
80	-4.8	-4.8	-3.7	-4.5	-2.8	-2.5	-1.1	0.6	0.3	2.4	0.1	1.0	1.9	2.6	5.0
100	-4.2	-5.7	-3.4	-3.5	-2.8	-3.5	-2.8	0.2	0.3	2.7	-0.1	1.0	2.4	3.3	5.8
125	-4.6	-3.7	-6.6	-6.9	-5.0	-4.9	-3.2	-1.5	-2.1	0.6	-0.6	-0.8	7.4	2.5	6.1
160	-0.9	-2.1	-2.3	-0.6	-1.4	-3.9	-2.0	1.1	0.5	1.6	-0.1	1.2	8.4	1.9	4.7
200	1.1	-2.3	-4.0	0.3	-2.8	-3.9	-1.7	1.6	0.2	1.9	1.6	1.3	1.0	-0.1	2.7
250	0.4	-1.2	-1.1	-0.6	-1.7	-2.7	-0.3	0.9	0.8	1.9	-0.9	-0.3	0.6	2.5	2.7
315	-1.0	-2.3	0.7	1.3	-0.4	-0.9	0.2	0.0	-2.3	0.8	-0.5	1.2	2.0	1.7	-0.2
400	-1.9	0.7	1.2	0.3	-1.0	-1.3	-0.8	0.4	-0.3	-0.5	0.3	0.7	1.7	1.3	-0.9
500	-1.2	-0.6	-0.9	-0.7	-1.4	-0.7	0.1	0.0	0.8	0.5	1.4	1.1	1.1	-1.2	-1.7
630	-1.9	-0.8	0.2	-1.1	-1.2	-1.4	-0.2	0.3	0.5	1.7	1.8	1.9	0.7	-2.1	-1.7
800	-2.3	-1.8	1.2	-0.4	0.6	-1.3	-1.6	-0.4	-0.3	1.9	1.9	1.4	0.3	-1.8	-1.4
1000	-4.4	-1.9	1.0	2.3	0.4	-0.6	-0.1	0.2	-0.4	0.9	1.5	0.4	-1.6	-3.8	-2.8
1250	-3.9	0.8	3.0	0.9	0.8	-0.7	-0.8	-1.2	-0.2	0.4	1.4	0.7	-1.7	-4.5	-1.1
1600	-4.1	0.9	1.7	0.6	1.0	-1.2	-0.3	0.0	-0.8	0.7	0.7	1.2	-0.6	-4.6	-0.8
2000	-4.2	1.0	1.7	-0.1	2.0	-2.2	-1.0	0.1	0.7	0.3	0.5	1.3	-0.8	-5.5	-0.3
2500	-4.7	1.0	1.7	-0.2	2.0	-2.6	-1.5	0.7	0.6	-0.1	-0.5	1.8	-1.3	-5.7	-0.7
3150	-5.9	1.4	3.5	-0.2	1.0	0.3	0.1	-2.2	-1.6	0.5	3.4	-1.7	-4.6	-3.8	-4.1
4000	-4.7	1.3	3.1	0.7	-2.9	-0.4	0.1	-2.2	-0.4	2.3	3.3	-2.3	-3.4	-4.0	-3.7
5000	-4.8	0.8	0.8	1.1	-1.5	-1.6	0.1	-0.5	1.1	2.3	1.9	0.4	-2.6	-5.6	-2.6
6300	-4.3	0.9	-0.8	0.7	3.3	-2.8	-2.2	0.4	0.8	-0.4	-1.1	3.8	-1.4	-7.4	-0.2
8000	-3.1	-0.7	2.5	0.5	1.7	-1.5	-0.8	-3.8	-1.8	1.0	3.4	1.8	-3.7	-3.7	-4.9
10000	-4.8	0.6	1.3	2.0	0.3	-0.8	0.3	-2.4	0.4	2.2	1.8	-0.7	-2.8	-5.3	-4.1

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC, DATE - MONTH 12 DAY 14 HR, 13.8

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 449
BAR 29.1
TAMB 41.0
THET 34.8
HADF 3.197769
SPEED 05750
CRPM 5852.4
TAPE T0027,

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PNL
50	70.4	68.8	67.7	68.0	67.2	68.3	68.9	71.1	72.1	72.9	72.4	72.4	74.0	78.4	83.2	130.9
63	66.2	64.4	64.2	72.6	66.3	66.8	67.5	71.4	71.0	71.8	71.8	71.4	74.5	76.9	82.2	130.2
80	65.9	64.9	64.7	64.9	65.2	65.7	67.5	69.2	70.4	70.5	70.8	71.0	72.8	75.4	80.3	128.9
100	66.2	65.2	65.3	66.4	69.3	69.4	71.3	72.6	73.2	72.1	71.1	71.3	73.1	75.1	79.7	129.9
125	64.5	64.5	63.2	62.9	64.5	66.8	66.6	68.8	69.2	69.3	69.8	70.1	75.1	74.5	79.8	128.3
160	63.3	62.0	61.1	60.9	62.6	64.4	65.9	67.4	67.7	67.2	67.7	67.5	68.3	70.8	76.2	125.6
200	64.9	62.2	61.9	62.3	61.1	66.6	66.0	70.3	66.6	65.3	69.2	69.0	69.4	67.0	74.4	125.3
250	59.6	55.9	57.6	56.8	55.3	55.9	58.7	60.0	61.4	60.1	61.3	60.9	62.7	64.7	72.2	120.1
315	62.1	60.1	61.0	61.7	61.1	66.4	66.3	68.8	61.9	63.3	69.4	66.5	68.1	66.9	78.9	122.5
400	64.5	64.0	64.1	66.8	64.6	65.6	66.5	65.4	66.6	67.1	66.4	69.5	69.8	68.4	78.3	125.6
500	66.4	66.4	67.0	67.6	67.2	68.2	69.1	68.7	78.4	69.8	70.5	71.2	70.3	68.1	68.7	127.8
630	68.9	69.1	70.7	78.5	69.3	70.3	69.8	70.6	71.7	71.0	70.6	71.5	78.4	68.8	68.3	129.2
800	68.4	69.3	71.6	69.5	68.9	68.5	68.8	78.2	78.3	69.6	78.1	78.8	68.8	68.6	68.4	128.5
1000	67.5	69.7	72.5	72.8	71.2	69.8	68.7	68.3	78.9	73.1	72.4	72.3	66.6	67.6	69.4	130.1
1250	68.8	72.4	75.9	76.1	75.5	74.8	73.5	73.6	75.4	74.3	74.1	74.9	71.3	68.9	71.6	133.5
1600	70.8	74.9	77.8	76.8	76.6	74.3	73.8	74.9	76.8	76.1	75.7	76.1	72.1	69.9	72.5	134.8
2000	69.7	73.9	75.6	76.3	78.4	75.8	74.6	77.7	77.7	76.4	75.8	76.8	71.8	69.8	72.7	135.9
2500	69.1	74.5	76.4	75.2	76.6	73.2	73.5	76.1	76.9	74.9	73.6	77.3	78.8	68.1	72.8	135.3
3150	69.9	75.8	78.9	78.3	78.3	80.4	78.1	75.2	77.4	78.0	78.7	74.8	69.9	71.8	78.1	137.9
4000	75.1	81.4	85.8	85.8	83.6	87.7	85.8	88.5	83.1	84.1	84.7	79.1	75.6	77.6	74.8	144.6
5000	78.3	75.9	77.4	78.8	76.4	77.1	78.7	78.8	88.6	79.2	78.4	77.2	72.8	73.2	72.6	139.8
6300	88.2	73.5	74.3	75.5	77.8	73.2	74.1	76.9	78.5	75.6	75.6	77.8	71.5	87.6	71.8	137.9
8000	89.8	74.4	79.1	76.7	79.7	76.2	75.9	75.3	76.1	76.3	79.6	77.5	78.3	71.3	78.2	140.6
10000	78.9	76.9	78.9	78.2	75.5	75.1	75.2	74.2	78.2	76.9	78.6	76.9	71.7	78.8	72.4	142.4
OASPL MEASURED	84.8	87.1	90.1	89.4	89.3	90.2	89.8	88.2	89.9	89.7	89.9	88.7	86.9	88.3	92.7	
OASPL CALCULATED	82.4	86.7	89.9	89.2	89.1	90.1	88.6	87.5	89.4	88.1	89.5	86.8	83.4	86.3	89.8	
PNDB	97.8	101.9	105.3	104.6	104.1	105.9	104.3	102.2	104.3	104.4	104.9	102.1	98.7	99.3	99.6	

OAPNL 150.8

DIRECTIVITY INDEX

FREQ,															
50	-2.7	-4.3	-5.4	-5.1	-5.9	-4.8	-4.2	-2.8	-1.0	-0.2	-0.7	-0.7	0.9	3.3	10.1
63	-0.1	-7.9	-8.2	0.3	-0.8	-5.6	-4.9	-1.8	-1.4	-0.6	-0.6	-1.8	2.2	4.5	9.9
80	-4.9	-5.8	-6.1	-5.9	-5.5	-5.0	-3.3	-1.0	-0.4	-0.3	0.0	0.2	2.1	4.9	9.5
100	-5.7	-6.7	-0.6	-5.5	-2.0	-2.4	-0.5	0.7	1.3	0.3	-0.7	-0.6	1.2	3.3	7.9
125	-5.6	-5.6	-6.9	-7.3	-5.0	-4.1	-3.5	-2.1	-0.9	-0.8	-0.3	0.3	5.0	4.4	8.9
160	-4.0	-5.3	-6.2	-6.4	-4.7	-2.9	-1.5	0.0	0.4	-0.1	0.4	0.2	0.9	3.5	6.9
200	-2.0	-4.7	-5.4	-4.6	-5.0	-0.4	-0.9	3.4	-0.3	-1.6	2.3	-1.9	-1.5	0.1	7.5
250	-1.8	-5.7	-4.0	-5.5	-4.3	-5.7	-2.9	-1.6	-0.2	-1.5	-0.3	-0.7	1.1	3.1	10.6
315	-1.9	-3.9	-2.3	-2.3	-2.9	-3.6	-5.7	-3.1	-2.1	-0.7	1.1	2.6	4.2	2.9	6.9
400	-2.5	-2.9	-2.8	-1.0	-2.4	-1.3	-0.5	-1.5	-0.3	0.2	1.4	2.6	2.8	1.5	3.3
500	-2.6	-2.6	-2.0	-1.4	-1.8	-0.7	0.2	-0.3	1.4	0.9	1.5	2.2	1.3	-0.8	-0.3
630	-1.3	-1.1	0.4	0.2	-1.8	0.0	-0.4	0.3	1.4	0.7	0.3	1.2	0.1	-2.3	-1.9
800	-1.0	-0.1	2.2	0.1	-0.5	-0.9	-1.2	0.8	0.9	0.2	0.7	0.6	-1.4	-0.8	-1.8
1000	-3.3	-1.1	1.7	1.2	0.4	-1.0	-2.1	-1.5	0.1	2.3	1.6	1.5	-2.2	-3.2	-1.4
1250	-5.3	-1.7	1.8	2.0	1.5	-0.0	-0.6	-0.4	1.3	0.2	0.0	0.8	-2.7	-5.2	-2.4
1600	-5.1	-0.3	1.9	0.9	1.5	-0.9	-1.7	-0.2	1.0	0.9	0.6	1.8	-3.8	-3.2	-2.7
2000	-5.9	-1.6	0.1	0.8	2.8	-0.6	-0.9	0.1	2.1	0.8	-0.6	1.2	-3.8	-0.6	-2.8
2500	-6.0	-0.6	1.2	0.1	3.4	-1.9	-1.7	0.9	1.8	-0.3	-1.5	2.2	-4.3	-7.0	-3.2
3150	-7.4	-1.5	2.4	1.8	1.9	3.1	0.8	-2.1	0.1	0.7	1.4	-2.5	-7.4	-5.5	-7.2
4000	-8.5	-2.1	2.4	1.5	0.0	4.1	1.4	-3.1	-0.5	0.6	1.2	-4.5	-7.9	-5.9	-8.7
5000	-7.3	-1.6	-0.1	0.5	-1.2	-0.4	1.2	0.4	3.1	1.7	0.9	-0.3	-5.5	-6.3	-4.9
6300	-7.2	-1.9	-1.1	0.0	2.4	-2.2	-1.3	1.5	3.1	0.2	0.2	1.6	-4.4	-7.8	-4.4
8000	-7.6	-2.1	2.5	0.1	3.1	-0.3	-0.7	-1.3	-0.5	-0.3	3.0	1.0	-4.2	-5.3	-6.3
10000	-5.4	0.6	2.6	1.9	-0.7	-1.2	-1.0	-2.0	1.9	0.6	2.3	0.6	-4.5	-5.6	-3.9

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 23 HR. 4.8

RADIAL 450.0
VEHICLE SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 450.
BAR 29.1
TAMB 43.0
THET 35.0
MACH 3.11361
SPEED 06000
CRPM 6094.7
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	70.1	69.3	68.8	68.9	68.9	68.3	69.0	69.8	70.1	70.7	70.9	72.1	74.0	77.4	80.3	129.6
63	65.4	63.7	64.6	73.1	67.6	66.8	67.6	71.0	68.7	69.8	70.5	71.8	75.0	76.5	79.2	129.2
80	66.6	65.2	66.2	66.5	67.3	80.9	68.4	69.0	69.0	69.5	70.3	71.7	73.6	75.3	78.2	128.4
100	68.3	68.9	69.0	68.2	70.8	71.3	72.1	74.2	73.9	73.3	71.8	73.4	75.1	75.8	77.5	130.8
125	64.8	64.1	65.0	64.2	66.2	67.1	67.7	68.6	68.0	69.3	70.5	71.7	75.0	75.0	74.1	128.4
160	62.5	63.1	62.6	62.7	64.5	65.7	66.5	67.4	67.1	67.7	68.6	69.0	70.2	71.5	71.6	125.6
200	63.6	63.5	60.6	63.0	62.1	63.8	65.8	68.3	67.3	66.4	69.9	57.9	68.0	64.8	68.8	124.7
250	58.1	58.9	58.7	58.7	57.7	58.9	58.5	59.9	60.8	60.8	60.7	61.8	62.6	64.3	67.7	119.1
315	61.8	62.3	63.7	64.8	63.5	62.5	62.4	61.0	61.1	62.9	65.2	68.1	68.9	69.0	68.8	123.4
400	66.1	67.7	67.8	69.8	68.4	68.7	68.3	67.7	68.1	67.8	69.2	71.0	71.6	70.8	70.5	127.6
500	67.6	69.2	69.9	69.2	69.5	69.5	70.6	70.2	71.0	70.8	71.5	72.7	72.2	70.3	69.6	129.3
630	69.4	71.3	72.7	70.9	71.0	70.9	70.7	71.1	71.8	73.1	72.9	73.1	72.3	70.3	69.8	130.5
800	67.3	68.7	70.2	68.6	68.7	68.6	68.3	68.1	68.9	71.2	71.5	71.1	69.6	69.4	69.1	128.7
1000	69.8	72.0	74.3	74.3	72.2	71.1	70.7	71.1	71.9	73.8	73.6	73.1	70.3	69.8	71.5	131.4
1250	70.1	75.5	77.1	76.0	76.7	74.7	73.5	74.4	75.4	76.8	77.2	77.2	72.9	71.2	73.8	134.9
1600	70.0	74.7	75.6	76.2	76.5	75.1	75.0	75.5	75.4	76.2	76.0	76.4	73.2	71.3	73.9	134.9
2000	70.7	76.3	77.3	77.4	79.6	76.3	75.7	76.7	77.6	78.2	77.4	78.6	72.9	71.1	75.0	136.9
2500	69.3	75.1	76.1	76.1	79.3	74.9	74.0	76.7	76.9	76.5	75.2	77.9	71.9	70.8	73.7	136.1
3150	68.5	74.9	77.9	76.1	76.1	77.4	75.6	74.3	75.0	77.1	77.2	74.7	69.5	71.2	70.3	136.1
4000	76.8	84.1	88.1	87.5	83.9	89.9	87.0	83.5	83.9	86.7	86.8	81.1	78.2	80.4	78.1	146.7
5000	70.8	77.8	77.3	78.4	76.4	77.7	78.1	78.5	79.0	80.4	78.3	77.8	72.2	71.7	73.6	139.2
6300	68.6	74.9	74.2	76.2	78.4	74.6	76.3	80.0	78.4	78.7	76.7	76.9	72.9	69.5	73.4	139.4
8000	69.1	74.9	79.0	77.6	80.5	78.2	76.8	75.8	75.3	78.2	80.9	79.3	71.1	73.1	78.9	141.6
10000	71.1	77.3	77.3	77.7	75.7	75.2	74.8	74.3	74.5	78.8	80.5	79.7	73.5	72.8	73.8	143.0
OASPL MEASURED	84.5	88.4	90.7	90.6	90.0	91.1	89.7	89.3	89.3	90.7	90.7	89.9	87.9	88.4	90.6	
OASPL CALCULATED	83.0	88.3	90.8	90.5	89.6	91.4	89.7	89.0	89.1	90.8	90.9	89.5	86.7	87.1	88.5	
PNDB	97.9	103.8	106.6	106.3	104.6	107.3	105.6	104.1	104.3	106.3	106.4	103.7	100.5	101.2	101.0	

OAPWL 151.0

DIRECTIVITY INDEX

FREQ.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
50	-1.7	-2.6	-3.1	-3.6	-2.9	-3.6	-2.9	-2.0	-1.8	-1.1	-0.9	0.2	2.2	5.5	8.4
63	-6.0	-7.7	-6.7	1.7	-3.8	-4.6	-3.8	-0.4	-2.6	-1.6	-0.8	0.4	3.6	5.1	7.8
80	-3.8	-5.2	-4.2	-4.0	-3.1	-3.5	-2.8	-1.4	-1.4	-0.9	-0.1	1.3	3.2	4.9	7.8
100	-4.5	-3.9	-3.8	-4.5	-2.7	-1.5	-0.8	1.5	1.2	0.6	-1.8	0.7	2.7	3.1	4.7
125	-5.5	-4.1	-5.2	-6.1	-4.0	-3.2	-2.5	-1.7	-1.2	-1.8	0.3	1.4	5.4	4.8	5.6
160	-4.9	-4.3	-4.8	-3.7	-2.9	-1.7	-0.5	-0.0	-0.2	0.3	1.2	1.6	2.8	4.1	4.2
200	-2.8	-2.9	-5.7	-8.4	-4.3	-2.6	-0.5	1.9	1.0	0.1	3.6	1.5	1.6	-1.6	2.5
250	-2.5	-3.7	-1.9	-1.9	-2.9	-3.7	-2.8	-0.7	0.2	-0.6	0.1	1.2	2.0	3.7	7.1
315	-3.0	-2.5	-1.1	-0.8	-1.3	-2.3	-2.4	-3.8	-3.8	-1.9	0.4	2.3	4.1	4.2	4.0
400	-2.8	-1.2	-1.1	0.9	-0.6	-0.2	-0.8	-1.3	-0.9	-1.2	0.2	2.1	2.6	1.8	1.6
500	-2.8	-1.3	-0.6	-1.3	-0.9	-1.8	0.1	-0.3	0.6	0.4	1.1	2.2	1.8	-0.2	-0.8
630	-2.2	-0.3	1.1	-0.7	-0.6	-0.7	-0.9	-0.5	-0.0	1.5	1.3	1.5	0.7	-1.3	-1.7
800	-2.3	-0.9	0.6	-1.0	0.2	-0.6	-1.3	-0.5	-0.7	1.6	1.9	1.5	-0.0	-0.2	-0.5
1000	-3.2	-0.2	2.1	2.1	0.1	-1.1	-1.9	-1.1	-0.2	1.1	1.4	0.9	-1.7	-2.4	-0.7
1250	-5.3	0.1	1.7	0.6	1.3	-0.7	-1.9	-1.1	-0.0	1.4	1.8	1.8	-2.5	-4.2	-1.6
1600	-5.2	-0.5	0.4	1.0	1.2	-0.1	-0.3	0.3	0.2	1.0	0.7	1.1	-2.0	-3.9	-1.4
2000	-6.2	-0.6	0.4	0.5	2.7	-0.6	-1.2	-0.2	0.7	1.3	0.5	1.7	-4.0	-5.8	-1.9
2500	-6.6	-0.8	0.2	0.2	3.4	-1.0	-1.8	0.8	1.1	0.7	-0.7	2.0	-4.0	-5.9	-2.2
3150	-7.0	-0.6	2.4	0.6	0.6	1.9	0.1	-1.2	-0.5	1.6	1.7	-0.8	-6.0	-4.3	-5.3
4000	-8.7	-1.5	2.5	1.9	-1.7	4.0	1.4	-2.1	-1.7	1.2	1.3	-4.4	-7.3	-5.1	-7.5
5000	-7.8	-0.8	-0.4	0.6	-1.3	-0.1	0.4	1.8	1.3	2.6	0.8	0.0	-5.6	-6.0	-4.1
6300	-8.3	-2.1	-2.7	-0.7	1.4	-2.1	-0.7	3.1	1.5	1.8	-0.3	2.0	-6.0	-7.5	-3.5
8000	-8.4	-2.6	1.4	0.1	2.9	0.6	-0.9	-1.7	-2.2	0.7	3.3	1.7	-6.5	-4.5	-6.6
10000	-6.7	0.4	0.5	0.9	-1.1	-1.7	-2.2	-2.5	-0.3	2.0	3.7	2.9	-3.4	-4.0	-3.0

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 451.
BAR 29.1
TAMB 43.0
TWET 35.0
MACT 3.1136
SPEED 06200
CRPM 6297.9
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	73.1	75.7	72.8	72.9	72.6	73.7	73.3	72.9	74.6	73.8	74.2	75.9	78.1	83.3	82.3	133.7
63	70.8	73.5	71.2	74.5	71.1	72.2	72.1	72.8	73.2	72.7	73.8	75.3	78.2	82.2	81.3	132.9
80	69.7	72.5	70.6	70.4	70.7	71.4	71.7	71.2	72.5	72.3	73.2	75.0	77.1	80.8	79.3	131.8
100	69.7	72.8	70.7	70.3	71.9	73.4	73.5	75.7	74.8	74.7	75.6	75.5	78.0	80.6	78.9	133.1
125	68.4	71.8	69.2	68.6	69.3	70.6	70.7	71.0	72.4	72.0	72.8	74.5	77.7	79.7	77.6	131.4
160	66.0	68.9	66.2	66.1	67.1	68.4	69.0	68.6	70.2	69.5	70.1	71.7	72.7	76.9	73.7	128.5
200	65.0	67.8	63.8	65.1	63.9	66.2	67.2	69.9	69.8	67.6	70.4	70.7	70.1	73.5	71.6	127.0
250	61.9	64.3	63.1	62.7	61.2	61.5	61.3	61.3	63.9	62.2	63.2	66.1	68.4	71.6	70.6	123.3
315	65.2	66.9	67.3	67.8	66.2	66.1	66.1	64.0	65.3	66.3	68.2	70.8	72.1	71.6	70.7	126.4
400	68.9	70.5	70.3	70.4	70.1	70.3	71.2	69.9	71.6	70.9	71.9	72.8	73.3	72.5	71.7	129.8
500	69.1	70.9	71.6	70.0	71.2	71.2	72.3	71.6	72.8	73.0	73.5	74.0	73.2	71.5	70.0	130.9
630	69.3	70.6	72.2	70.1	71.3	70.9	71.1	71.9	72.7	74.8	73.5	73.4	72.7	70.8	69.7	131.0
800	69.8	70.1	72.4	70.7	70.8	68.8	68.2	69.7	70.2	72.4	71.7	73.4	70.8	69.4	69.9	129.4
1000	71.0	74.6	77.4	75.1	74.7	73.1	73.2	73.0	73.7	75.6	76.1	74.7	71.2	69.6	72.9	133.5
1250	71.9	76.1	78.8	76.8	76.9	75.8	74.5	75.4	77.3	78.5	77.5	76.9	73.6	71.6	74.6	135.8
1600	72.1	76.4	78.3	77.6	78.2	78.0	76.2	76.1	77.3	78.1	78.3	77.0	73.4	71.1	74.9	136.4
2000	72.2	76.5	78.2	77.2	78.6	75.6	75.2	76.0	78.8	78.6	77.5	78.2	73.1	70.4	75.0	136.8
2500	71.2	75.6	77.1	76.1	76.9	74.6	74.0	76.1	78.2	77.4	76.3	77.6	71.8	69.5	73.9	136.4
3150	70.5	74.9	78.3	76.2	75.9	76.6	75.3	73.2	76.0	77.1	78.0	73.7	68.9	70.4	70.3	136.0
4000	80.7	85.5	89.6	90.0	84.6	90.0	88.4	83.3	86.2	88.0	88.2	81.7	79.8	81.0	79.6	148.0
5000	74.3	77.5	78.6	79.2	75.5	77.9	77.9	76.8	80.3	80.6	79.9	76.4	72.7	71.7	73.6	139.4
6300	72.6	75.8	76.0	77.7	78.5	75.8	77.5	78.8	81.6	80.7	80.1	79.2	74.7	70.6	74.5	140.7
8000	72.8	75.9	80.3	78.6	79.6	79.3	77.4	74.7	77.5	79.6	82.5	77.4	71.7	73.1	71.2	142.2
10000	74.9	77.3	77.2	78.5	75.2	75.2	74.6	73.7	78.4	80.5	82.4	79.5	75.5	72.4	73.8	143.9
OASPL MEASURED	87.5	90.6	92.6	92.4	90.5	92.3	91.1	89.6	91.7	92.3	92.9	91.0	90.5	93.2	92.3	
OASPL CALCULATED	85.9	88.8	92.4	92.3	89.9	92.0	90.9	88.8	91.2	92.1	92.5	89.9	88.6	90.5	89.8	
PNDB	$10^{1.1}$	$10^{5.3}$	$10^{8.2}$	$10^{8.1}$	$10^{5.1}$	$10^{7.9}$	$10^{6.8}$	$10^{3.9}$	$10^{8.5}$	$10^{7.7}$	$10^{7.9}$	$10^{4.1}$	$10^{1.9}$	$10^{2.3}$	$10^{2.1}$	OAPWL 152.1

DIRECTIVITY INDEX

FREQ.															
50	-2.8	-0.2	-3.1	-3.8	-3.3	-2.2	-2.6	-3.0	-1.3	-2.1	-1.7	0.0	2.2	7.4	6.4
63	-4.2	-1.6	-3.8	-0.5	-3.9	-2.9	-3.8	-2.2	-1.8	-2.4	-1.5	0.2	3.2	7.2	6.2
80	-4.2	-1.4	-3.3	-3.4	-3.1	-2.5	-2.2	-2.7	-1.4	-1.6	-0.7	1.1	3.3	6.9	5.5
100	-5.3	-2.2	-4.4	-4.8	-3.2	-1.7	-1.6	0.4	-0.2	-0.4	0.5	0.5	3.0	5.6	3.9
125	-4.8	-1.4	-4.0	-4.6	-3.9	-2.6	-2.5	-2.2	-0.8	-1.2	-0.4	1.2	4.5	6.5	4.4
160	-4.3	-1.3	-4.0	-4.2	-3.2	-1.9	-1.2	-1.7	-0.1	-0.7	-0.2	1.4	2.9	6.6	3.5
200	-3.6	-0.9	-4.9	-3.6	-4.3	-2.5	-1.4	0.2	1.1	-1.1	1.8	2.0	1.4	4.9	3.0
250	-2.9	-0.5	-1.7	-2.1	-3.6	-3.3	-3.5	-3.5	-0.9	-2.6	-1.6	1.3	3.5	6.8	5.8
315	-2.6	-1.0	-0.9	-0.8	-1.6	-1.7	-1.8	-3.8	-2.6	-1.5	0.4	2.8	4.2	4.0	2.9
400	-2.2	-0.8	-0.8	-0.7	-1.0	-0.7	0.1	-1.2	0.5	-0.2	0.4	1.7	2.2	1.5	0.6
500	-2.9	-1.1	-0.5	-2.1	-0.8	-0.8	0.3	-0.4	0.8	0.9	1.5	2.8	1.2	-0.5	-2.1
630	-2.7	-1.9	0.1	-2.0	-0.8	-1.2	-1.8	-0.2	0.6	2.7	1.6	1.3	0.6	-1.3	-2.4
800	-1.3	-0.2	2.1	0.4	-0.3	-1.5	-2.1	-0.6	-0.1	2.1	1.4	0.1	-0.3	-0.9	-0.3
1000	-3.2	0.4	3.2	0.9	0.5	-1.1	-1.0	-1.2	-0.5	1.4	1.9	0.5	-3.0	-4.6	-1.3
1250	-4.4	-0.3	2.4	0.4	0.6	-0.6	-1.9	-0.9	1.0	2.2	1.1	0.5	-2.8	-4.7	-1.7
1600	-4.6	-0.3	1.6	3.9	1.5	-0.7	-0.5	-0.6	0.6	1.4	1.5	0.3	-3.3	-5.6	-1.8
2000	-4.6	-0.4	1.3	0.3	1.7	-1.3	-1.6	-0.9	1.9	1.7	0.6	1.4	-3.7	-6.5	-1.9
2500	-4.9	-0.5	0.9	-0.0	2.7	-1.6	-2.1	-0.0	2.1	1.3	0.1	1.4	-4.3	-6.6	-2.3
3150	-5.0	-0.6	2.8	0.8	0.4	1.2	-0.2	-2.2	0.5	1.7	2.5	-1.8	-6.5	-5.1	-5.2
4000	-6.2	-1.4	2.9	3.1	-2.3	3.2	1.5	-3.6	-0.7	1.1	1.3	-5.2	-7.1	-5.9	-7.2
5000	-4.6	-0.4	0.7	1.3	-2.4	-0.0	-0.1	-1.2	2.4	2.7	2.0	-1.5	-5.2	-6.2	-4.3
6300	-6.2	-2.5	-2.3	-0.6	0.2	-2.4	-0.8	0.5	3.3	2.4	1.8	0.9	-3.5	-7.7	-3.7
8000	-5.4	-2.3	2.1	0.4	1.4	1.0	-0.8	-3.5	-0.7	1.4	4.3	-0.8	-6.5	-5.1	-7.1
10000	-2.9	-0.4	-0.5	0.7	-2.5	-2.5	-3.1	-4.0	0.7	2.8	4.7	1.8	-2.2	-5.3	-3.9

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 452.
BAR 29.1
TAMB 42.0
TWET 35.0
MACT 3.488[illegible]53
SPEED 0[illegible]50
CRPM 6550.4
TAPE T[illegible]027.

0.3 PNDB ∠ Q.L. DIFFERENCES OCCURS AT HIGHER FREQ. IN SPECTRUM

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	70.9	72.2	71.8	70.8	71.7	72.5	72.8	72.8	72.9	73.4	74.3	75.3	77.1	81.3	83.1	132.8
63	68.3	70.2	70.6	73.8	70.7	70.9	70.9	72.9	71.7	72.6	73.5	74.4	77.2	80.6	82.7	132.3
80	65.4	68.2	68.8	68.8	69.7	70.3	71.3	71.8	71.4	72.3	73.1	74.5	76.7	79.4	81.5	131.4
100	66.8	68.5	70.4	69.0	70.7	71.5	71.9	72.4	74.8	74.0	73.6	74.9	77.4	78.5	80.7	132.0
125	65.9	68.9	68.7	67.2	69.4	70.3	70.5	71.2	73.0	73.0	73.7	74.8	78.2	78.7	79.3	131.5
160	64.1	66.2	65.5	65.1	66.7	67.9	69.1	70.1	70.1	70.4	71.3	72.4	73.6	75.6	75.5	128.7
200	64.6	65.4	62.0	64.5	64.2	65.8	66.4	69.0	69.0	70.0	70.5	71.5	70.5	71.2	73.5	127.0
250	61.1	60.6	60.2	61.2	59.3	60.4	61.6	64.2	65.2	65.3	65.2	65.3	64.5	67.5	70.7	122.5
315	61.9	63.3	65.6	65.6	63.9	64.1	62.6	62.7	62.9	64.4	65.6	67.9	69.9	70.2	70.8	124.4
400	67.7	67.6	67.2	69.3	68.0	70.5	67.3	68.0	67.9	67.5	69.3	71.1	72.6	71.7	71.5	128.0
500	68.9	69.8	70.8	70.8	70.4	71.4	72.0	72.0	71.5	72.0	72.6	73.7	72.7	70.6	70.7	130.4
630	70.8	71.9	73.8	73.1	72.9	72.9	73.1	74.1	74.6	75.1	75.2	75.1	73.9	71.2	71.4	132.6
800	70.[illegible]	71.4	73.4	71.2	71.2	70.7	70.8	73.0	73.7	74.7	75.3	74.7	73.2	72.0	71.9	132.0
1000	69.7	70.5	72.2	73.2	72.3	71.3	70.9	71.8	72.6	73.6	74.4	73.0	72.3	71.5	70.3	131.5
1250	71.8	75.0	77.8	78.4	78.0	75.9	75.2	75.4	75.6	77.2	74.2	75.1	72.0	70.7	73.3	135.3
1600	73.5	75.5	77.3	76.8	77.7	75.8	75.7	76.6	78.7	79.0	78.7	78.4	74.2	71.5	74.1	136.6
2000	72.2	73.9	76.7	76.8	78.2	75.3	75.1	76.4	76.6	77.1	76.3	76.3	73.1	70.8	73.8	135.8
2500	71.7	73.2	75.2	74.9	77.6	73.7	73.8	76.4	76.4	76.4	75.5	76.3	73.2	69.4	73.1	135.3
3150	70.8	72.6	76.8	74.5	75.8	73.6	74.2	73.0	74.0	75.8	76.5	72.5	68.8	70.0	69.8	134.8
4000	82.5	83.9	89.6	89.1	84.5	[illegible].9	87.7	83.8	85.5	87.9	88.0	81.7	79.6	81.2	80.1	147.6
5000	75.0	76.4	79.4	79.8	76.4	79.5	78.8	77.6	80.8	80.6	80.0	76.8	73.8	72.8	73.9	139.8
6300	71.7	73.1	74.0	76.2	79.3	77.0	76.5	80.1	82.5	80.7	79.8	80.4	74.2	69.9	73.7	141.0
8000	74.5	75.5	80.0	78.7	79.4	79.6	78.2	79.8	77.1	79.9	82.4	78.0	73.6	73.8	73.1	142.4
10000	73.3	74.0	75.7	76.9	74.2	74.9	74.8	74.7	77.8	79.4	80.9	78.8	74.0	71.2	72.1	142.[illegible]
OASPL MEASURED	87.3	88.9	92.2	91.9	90.3	92.2	90.9	90.1	91.3	92.3	92.5	90.8	90.8	91.6	93.1	
OASPL CALCULATED	86.4	87.9	91.9	91.6	89.7	91.9	90.5	89.3	90.7	91.9	92.1	89.8	88.3	89.4	90.7	
PNDB	102.1	103.5	107.7	107.4	104.9	107.8	106.3	104.5	105.9	107.4	107.6	104.8	101.6	102.2	102.4	

OAPWL 151.3

DIRECTIVITY INDEX

FREQ.															
50	-4.1	-2.8	-3.2	-4.2	-3.3	-2.5	-2.2	-2.2	-2.1	-1.6	-0.7	0.3	2.1	6.3	8.1
63	-6.1	-4.2	-3.8	-0.6	-3.7	-3.5	-3.5	-1.5	-2.7	-1.8	-0.9	-0.1	2.8	6.2	8.3
80	[illegible]0	-5.2	-4.6	-4.7	-3.8	-3.2	-2.2	-1.7	-2.1	-1.2	-0.3	1.0	3.3	5.9	8.1
100	-[illegible].1	-5.4	-3.5	-5.0	-3.2	-2.5	-2.0	-1.6	0.8	-0.8	-0.3	0.9	3.4	4.6	6.8
125	-7.5	-4.5	-4.6	-6.2	-3.9	-3.1	-2.9	-2.1	-0.3	-0.4	0.3	1.4	4.8	5.3	5.9
160	-6.4	-4.3	-4.9	-5.4	-3.8	-2.5	-1.3	-0.4	-0.4	-0.1	0.9	2.0	3.1	5.1	5.1
200	-4.8	-3.2	-6.7	-4.2	-4.5	-2.9	-2.2	0.4	0.4	1.4	1.8	2.8	1.8	2.5	4.8
250	-3.8	-3.5	-3.9	-2.9	-4.8	-3.7	-2.5	0.1	1.1	1.2	1.1	1.2	0.4	3.4	6.6
315	-3.8	-2.5	-0.2	0.1	-1.8	-1.7	-3.1	-3.1	-2.9	-1.4	-0.2	2.1	4.1	4.4	5.0
400	-1.6	-1.7	-2.1	-0.1	-1.3	1.1	-0.0	-1.4	-1.5	-1.9	-0.1	1.7	3.2	2.3	2.2
500	-2.7	-1.7	-0.8	-0.7	-1.1	-0.2	0.4	0.4	-0.0	0.4	1.1	2.1	1.2	-0.9	-0.8
630	-2.9	-1.7	0.2	-0.5	-0.8	-0.8	-0.6	0.5	0.9	1.4	1.5	1.5	0.3	-2.4	-2.2
800	-2.3	-1.5	0.5	-1.7	-1.6	-2.1	-1.9	0.1	0.8	1.8	2.5	1.9	0.3	-0.8	-0.9
1000	-2.6	-1.8	-0.1	1.0	0.0	-1.0	-1.3	-0.6	0.3	1.3	2.1	0.7	-0.0	-0.8	0.0
1250	-4.[illegible]	-0.9	1.9	2.5	2.1	0.1	-0.7	-0.5	-0.3	1.3	0.3	-0.8	-3.9	-3.2	-2.6
1600	-3.4	-1.4	0.3	-0.2	0.7	-1.2	-1.2	-0.4	1.7	2.1	1.8	1.4	-2.8	-5.4	-2.9
2000	-3.7	-1.9	0.8	1.0	2.3	-0.6	-0.8	0.9	0.7	1.2	0.4	0.4	-2.8	-5.1	-2.0
2500	-3.4	-1.9	0.1	-0.2	2.5	-1.4	-1.3	1.3	1.3	1.3	0.4	1.2	-3.9	-5.7	-2.0
3150	-3.4	-1.6	2.6	0.3	0.8	1.4	-0.0	-1.2	-0.2	1.6	2.3	-1.7	-6.2	-4.2	-4.6
4000	-4.0	-2.7	3.1	2.5	-2.1	3.3	1.1	-2.7	-1.0	1.4	1.4	-4.8	-6.9	-5.3	-6.5
5000	-3.4	-2.0	1.1	1.5	-2.0	1.1	0.4	-0.7	1.7	2.3	1.6	-1.6	-5.4	-5.5	-4.5
6300	-4.9	-5.4	-4.5	-2.4	0.8	-1.5	-2.0	1.6	3.9	2.2	1.2	1.8	-4.3	-8.7	-4.9
8000	-3.8	-2.8	1.6	[illegible].3	1.0	1.2	-0.2	-2.6	-1.2	1.5	4.1	-0.4	-6.8	-4.6	-7.2
10000	-3.4	-2.7	-1.0	0.2	-2.5	-1.8	-1.7	-2.0	1.1	2.7	4.2	2.1	-2.7	-5.5	-4.6

A19

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SH
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 453.
BAR 29.1
TAMB 43.0
TWET 35.0
WACT 3.11361
SPEED 06800
CRPM 6704.2
TAPE T8027.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	72.7	72.9	70.9	69.1	72.5	73.8	76.4	77.5	78.6	77.0	75.7	78.3	80.1	86.1	85.6	136.6
63	70.2	70.5	69.3	73.1	71.2	72.1	75.2	77.1	77.2	76.1	75.0	77.5	80.2	83.7	85.1	135.1
80	68.6	68.8	68.0	67.3	70.2	72.1	74.7	75.9	76.5	75.3	74.7	77.1	79.4	82.2	83.2	134.0
100	68.7	68.8	67.9	68.5	72.2	73.1	75.0	76.7	77.4	76.0	74.7	77.7	79.9	82.2	82.2	134.4
125	67.9	69.6	67.6	67.1	70.8	71.8	74.2	75.4	76.5	75.2	74.6	77.4	80.0	81.8	80.7	133.9
160	65.4	67.4	65.4	64.7	68.2	69.9	72.2	73.5	73.9	72.5	72.3	75.0	76.5	78.9	77.5	131.3
200	64.9	66.3	62.8	63.4	65.1	67.2	69.7	72.0	72.3	71.8	70.8	73.9	73.9	75.5	75.4	129.4
250	61.8	62.0	60.6	59.4	60.0	62.1	65.3	67.8	69.1	67.9	66.3	70.1	69.4	72.5	73.7	125.9
315	62.4	64.2	62.5	62.5	64.6	65.1	64.4	66.1	66.9	66.8	67.7	70.7	71.8	72.4	74.1	126.5
400	67.4	68.5	67.8	68.7	68.5	69.5	69.2	70.2	69.8	69.8	70.8	73.3	73.9	73.4	73.7	129.2
500	68.4	70.8	70.9	70.9	70.8	72.1	72.2	73.1	72.9	73.2	73.8	75.1	73.8	72.0	72.8	131.3
630	70.0	72.9	74.2	72.6	73.1	73.6	73.5	74.8	75.4	75.7	75.9	76.1	74.6	71.8	72.1	133.2
800	69.8	72.2	74.1	70.5	71.4	72.0	71.4	73.0	73.3	74.3	74.6	75.8	73.2	71.6	71.8	131.9
1000	68.3	70.3	72.3	73.6	71.7	71.6	71.2	72.3	72.4	73.9	73.7	74.5	72.3	71.2	72.4	131.7
1250	70.2	74.7	78.7	77.7	77.5	76.0	75.0	76.6	76.4	78.4	77.2	75.9	72.2	70.4	72.9	135.8
1600	71.6	76.8	78.4	76.7	77.8	76.7	75.1	76.9	77.4	78.6	77.8	78.6	73.7	71.5	73.9	136.5
2000	69.9	74.9	78.1	77.3	79.2	76.9	75.7	77.7	77.6	78.3	76.5	78.2	72.8	70.5	73.7	136.8
2500	69.1	75.2	76.8	75.3	78.5	75.3	74.2	77.6	76.8	76.8	75.2	77.9	71.3	69.1	73.0	136.1
3150	68.3	74.1	78.1	74.5	75.7	76.3	74.0	74.2	74.5	76.1	76.3	74.2	67.9	69.9	69.6	135.3
4000	78.6	85.1	90.5	89.1	85.1	90.5	86.7	84.5	85.8	86.9	86.8	82.7	78.4	79.7	79.0	147.7
5000	71.9	78.3	81.1	80.1	77.4	81.0	79.0	79.2	80.6	80.9	79.5	78.1	72.8	72.8	73.9	140.5
6300	69.1	79.1	75.3	75.5	78.9	74.0	76.0	80.2	83.1	79.8	78.8	80.6	73.5	71.1	73.8	140.9
8000	71.5	76.6	80.5	77.5	79.3	80.3	77.3	77.0	77.8	80.5	81.2	79.7	71.5	73.5	71.5	142.5
10000	69.6	75.4	76.6	75.9	74.5	75.8	74.8	76.0	77.9	79.7	80.0	80.1	73.8	72.9	72.9	143.0
OASPL MEASURED	85.5	89.5	92.5	91.3	90.6	92.5	91.1	91.9	92.7	92.6	91.9	92.7	91.9	94.8	95.0	
OASPL CALCULATED	84.2	89.0	92.8	91.4	90.1	92.6	90.4	90.7	91.7	92.0	91.6	91.3	89.7	92.0	92.2	
PWD2	99.3	104.7	108.6	107.3	105.4	108.5	106.0	105.5	106.6	107.2	106.9	105.3	101.5	102.1	102.4	

OAPWL 152.2

DIRECTIVITY INDEX

FREQ.															
50	-5.6	-5.4	-7.4	-9.2	-5.8	-4.4	-1.8	-0.8	0.3	-1.3	-2.6	0.1	1.9	7.8	7.3
63	-7.0	-6.7	-7.9	-4.1	-6.0	-5.1	-2.0	-0.1	-0.1	-1.1	-2.2	0.3	3.0	6.5	7.9
80	-7.5	-7.2	-8.1	-8.8	-5.8	-4.0	-1.4	-0.2	0.4	-0.7	-1.4	1.1	3.4	6.1	7.2
100	-7.6	-7.6	-8.5	-7.8	-4.2	-3.3	-1.4	0.3	1.1	-0.4	-1.7	1.3	3.5	5.8	5.8
125	-7.8	-6.1	-8.2	-8.6	-4.9	-3.9	-1.6	-0.3	0.8	-0.5	-1.1	1.7	4.3	6.1	5.0
160	-7.7	-5.7	-7.6	-8.3	-4.8	-3.1	-0.9	0.5	0.8	-0.5	-0.7	2.0	3.5	5.9	4.4
200	-6.1	-4.7	-8.3	-7.7	-6.0	-3.9	-1.4	1.0	1.3	0.8	-0.2	2.9	2.8	4.4	4.3
250	-5.6	-5.4	-6.8	-8.1	-7.5	-5.3	-2.1	0.4	1.7	0.5	-1.1	2.7	1.9	5.1	6.3
315	-5.5	-3.7	-0.4	-2.4	-3.4	-2.8	-3.6	-1.8	-1.1	-2.0	-0.3	2.8	3.9	4.4	6.2
400	-3.2	-2.0	-2.8	-1.8	-2.1	-1.1	-1.4	-0.3	-0.7	-0.6	0.3	2.8	3.3	2.8	3.2
500	-4.1	-1.7	-1.7	-1.6	-1.7	-0.4	-0.3	0.6	0.4	0.7	1.3	2.6	1.3	-0.5	0.3
630	-4.2	-1.3	-0.1	-1.6	-1.1	-0.[illegible]	-0.8	0.6	1.2	1.5	1.6	1.9	0.3	-2.5	-2.1
800	-3.6	-0.7	1.2	-2.4	-1.4	-0.8	-1.4	0.2	0.4	1.4	1.7	2.2	0.4	-1.3	-1.0
1000	-4.2	-2.1	-0.1	1.2	-0.7	-0.8	-1.2	-0.2	0.0	1.5	1.2	2.0	-0.1	-1.3	-0.0
1250	-6.2	-1.6	2.3	1.3	1.2	-0.3	-1.3	0.2	0.1	2.1	0.8	0.6	-4.2	-5.9	-3.4
1600	-5.2	-0.0	1.6	-0.2	1.0	-0.2	-1.8	0.1	0.6	1.8	1.0	1.8	-3.1	-5.3	-3.0
2000	-7.0	-2.0	1.2	0.4	0.3	0.0	-1.2	0.8	0.9	1.5	-0.4	1.3	-4.1	-6.4	-3.2
2500	-6.7	-0.7	0.9	-0.6	1.6	-0.6	-1.7	1.7	0.9	0.9	-0.7	2.0	-4.6	-6.7	-2.9
3150	-6.4	-0.6	3.4	-0.2	1.0	1.5	-0.7	-0.5	-0.2	1.3	1.6	-0.5	-6.8	-4.8	-5.1
4000	-8.0	-1.5	4.0	2.6	-1.4	3.9	0.2	-2.1	-0.7	0.3	0.2	-3.8	-8.1	-6.9	-7.5
5000	-7.2	-0.8	2.0	1.0	-1.6	2.0	-0.1	0.1	1.3	1.8	0.4	-1.0	-6.3	-6.2	-5.2
6300	-9.4	-3.4	-3.1	-2.9	0.5	-2.4	-2.4	1.3	4.6	1.3	0.4	2.2	-4.8	-7.3	-4.7
8000	-6.9	-1.9	2.1	-1.0	0.9	1.8	-1.2	-1.4	-0.6	2.0	2.7	1.2	-7.0	-5.0	-6.9
10000	-7.3	-1.5	-0.3	-1.0	-2.4	-1.1	-2.0	-0.9	1.0	2.8	3.1	3.2	-3.1	-4.0	-4.0

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 454.
BAR 29.1
TAMB 43.0
TWET 39.0
MACT 3.11415
SPEED 0869.08
CRPM 7008.9
TAPE Y8536.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	73.4	72.6	71.6	74.7	77.2	77.4	74.8	78.4	77.2	76.2	76.7	78.6	80.8	86.8	86.8	136.7
63	71.4	71.3	70.1	75.5	76.8	75.9	74.0	75.8	76.2	75.8	76.0	78.2	80.2	85.3	85.5	135.8
80	69.8	70.1	69.5	72.5	75.0	75.0	74.2	75.3	75.6	75.2	76.0	77.8	80.7	84.3	84.0	135.1
100	70.6	69.6	68.1	72.4	75.1	75.4	74.6	75.6	76.3	75.6	76.0	78.0	81.1	83.6	83.0	135.1
125	72.0	71.9	69.2	73.4	74.9	76.0	76.1	77.2	77.1	76.3	77.4	77.9	81.8	83.2	81.8	135.4
160	68.5	68.9	66.7	69.3	72.2	72.4	72.1	73.0	73.4	72.7	73.5	74.6	76.0	80.0	78.8	132.0
200	67.5	66.1	62.2	66.7	69.7	69.7	68.4	70.4	71.1	69.3	70.4	70.9	71.8	76.8	76.8	129.0
250	65.7	64.2	63.5	64.7	66.6	66.0	65.1	67.8	68.9	65.9	70.2	69.0	71.0	76.1	74.8	127.4
315	68.8	70.4	69.9	67.9	68.8	69.7	68.3	68.9	68.6	69.8	73.1	74.2	75.6	77.2	74.9	130.1
400	71.8	71.7	70.8	70.8	70.7	72.8	73.0	73.4	73.5	73.6	75.4	76.9	77.0	77.3	74.9	132.6
500	72.3	73.4	73.3	73.4	72.0	74.1	75.4	76.5	76.3	76.6	77.1	77.9	77.1	76.0	73.3	134.3
630	72.5	73.7	74.9	74.5	73.7	74.6	74.5	76.4	77.6	78.8	77.9	78.1	76.7	74.6	72.8	135.1
800	70.2	70.8	71.8	73.1	72.1	73.0	72.7	73.2	74.8	75.7	75.0	74.8	73.9	73.4	71.8	132.6
1000	72.5	74.8	76.3	75.8	74.0	74.9	75.2	75.5	74.9	76.1	76.7	75.8	73.4	73.1	73.2	134.3
1250	73.7	76.9	78.1	78.6	76.1	76.9	76.3	77.3	78.0	78.2	78.3	77.9	75.0	73.5	74.1	136.5
1600	74.6	78.2	79.2	80.2	79.1	79.0	77.9	79.2	79.2	79.8	79.3	78.6	75.2	73.7	74.6	138.2
2000	72.1	76.0	76.6	77.7	77.1	75.8	76.3	78.4	78.8	78.5	77.0	78.0	73.6	71.9	73.0	136.8
2500	71.1	75.3	75.9	77.5	77.9	75.3	75.8	78.8	78.4	77.4	75.8	77.4	72.4	70.7	72.1	136.7
3150	71.2	75.3	77.8	77.0	75.6	76.6	76.0	76.4	76.4	76.8	77.1	73.3	69.3	71.6	69.3	136.3
4000	82.2	87.4	89.8	91.3	83.9	88.1	87.6	87.1	88.4	88.9	87.6	83.8	79.8	82.5	80.6	148.5
5000	79.1	84.2	86.2	88.1	81.2	84.8	84.7	84.8	86.0	86.0	84.3	81.8	77.8	79.4	77.8	145.9
6300	71.4	79.1	74.9	78.2	77.7	79.4	77.3	82.3	82.5	80.1	77.0	78.5	73.8	70.3	71.7	140.9
8000	74.7	77.6	80.0	80.1	77.9	78.8	79.1	78.8	80.0	81.7	82.1	77.9	72.1	74.3	70.5	143.1
10000	74.3	77.0	78.2	80.0	75.8	77.7	78.3	78.0	80.7	81.5	81.5	79.5	74.3	73.5	71.4	144.9
OASPL MEASURED	89.6	91.8	92.9	94.4	91.7	92.8	92.4	93.2	93.9	93.9	93.4	93.0	92.9	96.3	95.7	
OASPL CALCULATED	87.7	91.4	93.1	94.6	90.5	92.4	92.1	92.7	93.6	93.7	93.0	91.8	90.9	93.7	93.1	
PNDB	102.8	106.8	108.5	110.0	105.3	107.7	107.5	107.8	108.7	108.9	108.1	106.0	103.0	104.6	103.3	

OAPWL 153.7

DIRECTIVITY INDEX

FREQ.															
50	-5.5	-6.3	-7.4	-4.2	-1.7	-1.5	-4.1	-2.5	-1.7	-2.7	-2.3	-0.3	1.9	7.9	7.8
63	-6.6	-6.6	-7.9	-2.5	-2.0	-2.1	-3.9	-2.1	-1.7	-2.4	-1.9	0.3	2.8	7.4	7.5
80	-7.4	-7.0	-7.7	-4.6	-2.2	-2.2	-2.9	-1.9	-1.6	-1.9	-1.2	0.7	3.5	7.2	6.9
100	-6.5	-7.5	-9.0	-4.7	-1.9	-1.7	-2.4	-1.5	-0.7	-1.5	-1.1	0.9	4.0	6.6	5.9
125	-5.3	-5.4	-8.1	-5.9	-2.4	-1.3	-1.2	-0.0	-0.2	-1.0	0.1	0.6	3.6	5.9	4.5
160	-5.2	-4.8	-7.0	-4.4	-1.5	-1.3	-1.6	-0.7	-0.5	-1.0	-0.2	0.9	2.3	6.3	5.1
200	-3.2	-4.6	-5.5	-4.0	-1.0	-1.0	-2.3	-0.3	-0.6	-1.4	-0.3	0.2	1.1	6.1	6.1
250	-3.3	-4.7	-5.5	-4.2	-2.3	-2.9	-3.8	-1.2	-0.0	-3.0	1.2	0.1	2.0	7.2	7.9
315	-2.8	-1.1	-2.1	-3.7	-2.8	-1.9	-3.3	-2.7	-3.0	-1.7	1.6	2.6	4.0	5.7	3.4
400	-2.2	-2.0	-3.1	-3.2	-3.3	-1.1	-0.9	-0.5	-0.4	-0.4	1.5	2.9	3.1	3.3	1.0
500	-3.1	-2.9	-2.2	-2.1	-3.5	-1.4	-2.1	1.1	0.8	1.1	1.9	2.4	1.6	0.5	-2.1
630	-3.6	-1.4	-1.3	-1.7	-2.4	-1.6	-0.7	0.2	1.4	2.7	1.8	1.9	0.6	-1.5	-3.4
800	-3.3	-2.7	-1.7	-0.4	-1.4	-0.5	-0.8	-0.3	1.3	2.2	1.5	1.3	0.4	-0.2	-1.7
1000	-2.6	-0.3	1.2	0.7	-1.0	-0.2	0.1	0.4	-0.2	1.0	1.6	0.7	-1.6	-2.0	-1.9
1250	-3.4	-0.2	1.0	1.4	-1.0	-0.2	-0.5	0.2	0.9	1.1	1.2	0.8	-2.1	-3.6	-3.0
1600	-3.9	-0.3	0.7	1.7	0.5	0.4	-0.6	0.6	0.6	1.3	0.7	0.1	-3.4	-4.9	-3.9
2000	-4.8	-0.8	-0.3	0.8	0.2	-1.1	-0.6	1.5	1.9	1.6	0.1	1.2	-3.3	-5.0	-3.9
2500	-5.4	-1.2	-0.5	1.1	1.4	-1.2	-0.7	2.3	1.9	1.0	-0.9	0.9	-4.1	-5.7	-4.4
3150	-4.5	-0.4	2.1	1.3	-0.1	0.9	0.3	3.7	0.7	1.1	1.4	-2.4	-6.4	-4.1	-6.4
4000	-5.1	0.1	2.4	4.0	-3.4	0.7	0.3	-0.2	1.1	1.5	0.2	-3.6	-7.6	-4.8	-6.7
5000	-5.3	-0.2	1.8	3.7	-3.2	0.4	0.3	0.4	1.6	1.5	-0.1	-2.6	-6.6	-5.0	-6.7
6300	-7.1	-3.4	-3.9	-0.2	-0.8	-3.1	-1.1	3.9	4.0	1.7	-1.4	0.1	-4.7	-8.1	-6.7
8000	-4.4	-1.5	1.0	1.0	-1.2	-0.2	-0.0	-0.3	0.9	2.6	3.1	-1.2	-7.0	-4.8	-8.6
10000	-4.4	-1.7	-0.5	1.2	-2.9	-1.0	-0.5	-0.7	2.0	2.8	2.8	0.8	-4.5	-5.2	-7.3

REPEAT

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/69 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -5X
CONFIG RUN 26
LOC PPG
DATE 12/11/69
RUN 495.
BAR [illegible].91
TAMB 49.[illegible]
TWET 38.[illegible]
HAST 5.11415
SPEED 0[illegible]80
GR. 76[illegible].4
TAPE [illegible]836.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	74.7	75.7	74.8	73.0	73.6	73.8	73.9	74.2	75.9	76.8	76.4	78.0	80.3	85.1	87.5	[illegible]0.0
63	73.1	74.5	75.6	76.0	74.8	73.9	74.2	74.7	75.9	76.3	76.6	78.5	81.1	84.9	87.2	136.2
80	70.3	72.3	72.8	71.6	71.9	72.2	73.5	73.9	74.9	75.4	75.8	77.8	80.7	83.1	85.3	134.0
100	71.6	72.2	72.1	71.2	72.5	73.2	73.9	75.0	76.2	76.4	76.3	78.4	81.9	83.2	84.2	135.2
125	72.3	74.5	73.9	71.4	74.4	76.3	76.2	77.9	79.4	79.7	80.1	80.5	81.8	83.4	81.7	138.7
160	69.3	71.2	70.2	68.3	70.2	71.4	72.2	72.9	73.6	74.4	74.7	75.6	77.4	79.1	77.0	132.1
200	68.1	69.2	67.0	66.6	67.0	67.7	68.7	70.8	71.6	71.6	71.3	72.1	73.4	72.5	73.7	126.8
250	67.0	68.3	69.6	66.5	64.6	64.9	65.9	67.0	67.8	69.7	68.1	68.6	69.1	71.0	73.8	126.6
315	69.2	71.0	72.2	69.9	69.5	69.8	68.6	68.5	68.2	69.6	71.5	74.7	75.8	74.9	75.7	135.1
400	72.6	73.5	73.5	72.8	73.1	74.3	73.9	74.0	73.7	73.6	75.9	78.1	78.2	77.5	77.1	133.6
500	72.9	74.8	74.7	73.9	74.1	75.2	75.6	76.3	76.4	76.6	78.4	79.8	78.8	77.3	77.6	135.3
630	72.3	74.2	74.7	74.1	74.6	74.8	75.3	76.8	77.7	79.2	79.1	80.1	79.1	76.5	76.8	135.9
800	72.2	73.2	74.9	72.8	73.9	73.0	73.0	74.5	76.5	78.8	77.8	77.3	77.1	76.3	76.5	134.7
1000	72.2	73.5	75.4	74.7	75.5	74.9	75.5	76.7	77.4	76.8	76.0	75.8	74.0	75.0	75.5	135.1
1250	77.6	80.2	81.1	80.1	82.1	81.8	81.5	82.4	81.9	81.5	81.9	80.8	77.4	76.6	78.3	140.4
1600	77.4	79.9	82.1	80.6	84.4	84.8	84.8	84.3	82.3	82.8	80.5	81.5	78.4	76.5	79.8	142.2
2000	75.5	79.4	81.1	80.3	85.4	85.4	84.5	84.9	84.2	82.6	80.8	81.9	77.7	76.1	79.1	142.8
2500	73.5	77.2	79.0	81.8	86.8	83.3	81.8	83.4	81.7	78.9	77.3	78.2	76.9	73.4	77.8	141.5
3150	73.1	77.3	81.4	78.6	83.3	83.4	82.8	80.5	78.1	78.4	77.8	74.3	72.0	73.9	74.8	140.4
4000	76.0	80.9	83.6	80.6	78.2	82.3	82.0	78.8	80.2	81.6	81.1	75.5	73.2	75.7	77.1	141.3
5000	81.3	86.6	87.9	87.0	83.7	86.3	86.5	85.8	88.4	89.3	88.5	83.8	79.7	80.8	83.0	147.8
6300	72.8	76.8	77.9	78.1	80.5	76.8	77.5	80.1	78.9	77.4	77.0	76.5	73.3	70.7	76.6	140.1
8000	72.0	74.7	78.7	75.5	78.5	77.2	77.2	77.0	76.4	77.9	79.4	74.1	70.3	72.1	74.3	140.7
10000	74.0	77.1	78.6	78.0	78.0	78.1	78.6	77.0	80.2	82.3	82.4	78.2	74.3	74.0	77.4	145.1
OASPL MEASURED	89.1	92.0	93.5	92.5	94.2	94.3	94.2	94.2	94.5	94.7	94.3	93.9	93.8	95.4	97.2	
OASPL CALCULATED	88.0	91.4	93.0	91.9	93.5	93.6	93.5	93.3	93.7	94.0	93.6	92.5	91.8	93.1	94.7	
PNDB	102.3	106.4	107.9	106.8	107.3	107.5	107.6	107.3	108.4	108.9	108.3	105.8	103.2	103.7	105.6	

OAPWL 153.8

DIRECTIVITY INDEX

FREQ.															
50	-3.5	-2.5	-3.4	-5.2	-4.6	-4.5	-4.3	-4.0	-2.3	-1.4	-1.8	-0.2	2.1	6.9	9.3
63	-5.2	-3.8	-2.7	-2.3	-3.5	-4.4	-4.2	-3.6	-2.4	-2.0	-1.7	0.2	2.8	6.6	8.9
80	-6.5	-4.5	-4.0	-5.3	-4.9	-4.6	-3.3	-2.9	-2.0	-1.4	-1.0	1.0	3.9	6.2	8.5
100	-5.6	-5.0	-5.0	-6.0	-4.7	-4.0	-3.3	-2.1	-0.9	-0.7	-0.9	1.2	4.8	6.0	7.0
125	-6.3	-4.1	-4.7	-7.2	-4.2	-2.3	-2.3	-0.7	0.8	1.1	1.5	1.9	3.3	4.8	3.1
160	-4.5	-2.7	-3.6	-5.5	-3.6	-2.5	-1.7	-0.9	-0.3	0.6	0.9	1.7	3.6	5.2	3.2
200	-2.4	-1.2	-3.4	-3.9	-3.5	-2.7	-1.7	0.4	1.1	1.2	0.9	1.7	3.0	2.0	3.5
250	-1.2	0.2	1.4	-1.6	-3.6	-3.3	-2.2	-1.2	-0.4	1.5	-0.1	0.5	0.9	2.8	5.6
315	-2.3	-0.5	0.7	-1.7	-2.0	-1.8	-3.0	-3.1	-3.3	-1.9	0.0	3.2	4.3	3.4	4.2
400	-2.3	-1.4	-1.5	-2.1	-1.9	-0.7	-1.1	-0.9	-1.2	-1.4	1.0	3.1	3.3	2.6	2.2
500	-3.5	-2.2	-1.7	-2.6	-2.4	-1.[illegible]	-0.9	-0.2	-0.1	0.1	1.9	3.3	2.3	0.8	1.3
630	-4.7	-2.8	-2.3	-2.9	-2.4	-2.2	-1.7	-0.3	0.7	2.2	2.1	3.1	2.1	-0.5	-0.2
800	-3.4	-2.4	-0.7	-3.2	-2.7	-2.9	-2.6	-1.1	1.0	3.2	2.2	1.8	1.5	0.7	0.9
1000	-3.6	-2.4	-0.5	-1.1	0.7	1.1	-0.3	0.9	1.6	2.7	0.2	0.8	-1.8	-0.8	-0.3
1250	-3.3	-0.7	0.2	-0.8	1.2	0.1	0.6	1.5	1.0	0.6	1.0	-0.1	-3.5	-4.3	-2.6
1600	-5.0	-2.6	-0.3	-1.9	1.9	2.4	2.3	1.9	-0.2	0.3	-1.9	-1.0	-4.0	-5.9	-2.7
2000	-7.4	-3.4	-1.7	-2.5	2.5	2.6	1.7	2.1	1.4	-1.2	-2.3	-0.9	-5.1	-6.7	-3.7
2500	-7.8	-4.1	-2.3	-0.3	4.7	2.0	1.7	2.1	0.4	-2.4	-4.0	-2.1	-4.4	-7.4	-5.5
3150	-6.8	-2.5	1.5	-1.3	3.4	3.5	2.9	3.6	-1.8	-1.5	-2.3	-5.6	-7.9	-6.9	-5.1
4000	-4.2	0.7	3.4	0.4	-2.0	2.1	1.8	-1.4	0.0	1.4	0.9	-4.7	-7.0	-4.5	-3.1
5000	-5.1	0.2	1.5	0.6	-2.7	-0.1	0.1	-1.0	2.0	2.9	2.1	-2.6	-6.7	-5.5	-3.3
6300	-4.8	-0.8	0.2	0.4	2.8	-0.9	-0.1	2.4	1.2	-0.3	-0.6	-1.1	-4.4	-7.0	-1.0
8000	-4.7	-2.0	2.0	-1.2	1.8	0.5	0.5	0.4	-0.3	1.2	2.8	-2.6	-6.4	-4.6	-2.3
10000	-4.9	-1.8	-0.3	-1.0	-0.9	-0.9	-0.3	-1.3	1.3	3.4	3.5	-0.7	-4.6	-4.9	-1.6

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 456.
BAR 29.1
TAMB 44.0
THET 35.0
MACT 2.82844
SPEED 0.
CRPM 61674.3
TAPE T8536.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	77.0	78.5	76.1	75.7	76.0	79.0	79.3	79.1	77.6	78.9	79.8	81.8	84.3	88.7	90.1	139.3
63	74.4	76.5	75.3	77.0	76.1	78.8	78.3	78.4	77.3	77.9	79.6	82.0	84.3	88.2	89.8	139.0
80	72.5	75.6	74.4	74.7	74.9	77.3	77.5	77.9	77.2	78.1	79.3	81.4	84.2	86.5	88.1	138.1
100	73.5	75.4	73.4	74.0	75.2	77.5	77.7	78.1	77.7	78.8	79.6	81.9	85.2	85.7	86.6	138.1
125	73.9	76.9	75.2	72.9	76.5	77.8	77.3	77.8	78.3	80.1	81.8	82.8	84.5	85.8	84.2	138.2
160	70.9	73.6	71.4	70.3	72.5	74.5	75.3	75.4	75.0	76.1	78.9	78.3	80.0	81.2	80.5	134.5
200	68.7	71.1	67.5	67.6	68.3	71.0	71.7	72.5	72.4	72.4	73.4	74.3	75.7	74.8	78.5	130.9
250	67.4	69.8	70.5	70.3	66.6	69.7	70.5	68.6	68.9	69.6	70.9	74.1	74.4	76.0	79.0	130.1
315	71.3	73.4	73.4	73.8	72.1	73.8	74.0	72.7	72.7	73.3	75.1	78.7	79.9	79.2	79.7	133.9
400	74.5	75.5	75.9	77.1	75.7	77.3	77.7	77.6	78.5	78.8	79.8	81.7	81.7	81.2	79.6	137.2
500	74.8	76.6	77.2	76.8	76.5	77.4	78.3	78.9	80.4	80.4	82.0	83.2	82.1	80.7	78.5	138.4
630	73.7	75.7	76.8	75.9	77.0	76.4	76.6	78.3	80.4	81.2	81.5	82.2	81.5	79.5	76.9	138.0
800	71.5	74.8	75.8	75.2	74.9	74.8	75.4	75.4	77.3	79.8	78.8	78.0	78.1	78.3	75.2	139.8
1000	73.9	76.8	79.9	83.9	86.1	84.0	83.6	83.7	84.5	83.0	81.7	83.0	80.0	77.9	77.8	142.1
1250	79.6	84.0	87.7	92.2	94.5	92.7	91.5	91.2	91.6	89.2	89.1	89.9	87.0	82.3	83.0	150.0
1600	80.4	83.6	87.3	92.3	94.9	93.7	91.3	90.8	90.3	89.2	88.1	87.3	86.0	83.4	83.5	150.1
2000	78.9	84.1	87.6	91.2	94.6	92.7	90.9	90.4	90.0	89.4	87.2	85.9	86.2	82.2	82.7	149.9
2500	74.0	78.6	81.2	83.4	86.9	82.3	81.8	82.9	82.8	81.8	78.9	80.8	78.6	75.8	77.9	142.1
3150	73.9	79.0	83.8	83.0	83.6	82.9	81.1	79.1	79.8	80.8	80.4	78.0	75.1	76.7	74.6	141.2
4000	76.9	83.1	86.9	85.0	81.7	84.4	83.2	80.6	82.7	84.0	83.7	77.6	76.5	79.4	77.0	144.0
5000	81.5	87.4	89.0	90.5	86.4	87.3	88.4	88.4	91.7	92.6	91.7	86.4	83.0	83.7	82.8	150.5
6300	72.6	78.5	79.9	82.3	83.6	78.5	77.9	81.2	81.5	80.6	79.8	78.8	76.3	73.8	75.1	142.4
8000	71.5	75.7	80.7	79.3	80.9	78.9	78.5	78.2	79.4	81.2	81.8	78.2	72.7	74.4	70.8	142.9
10000	72.2	76.6	78.7	80.7	78.8	78.7	79.2	79.0	81.9	84.1	83.2	79.5	75.5	74.7	73.1	146.2
OASPL MEASURED	90.7	94.2	96.5	99.5	101.4	100.0	98.5	98.5	98.9	98.6	98.0	97.8	97.7	98.5	99.5	
OASPL CALCULATED	89.4	93.6	96.1	98.8	100.5	99.2	97.9	97.7	98.4	98.1	97.4	96.5	96.1	96.4	97.0	
PNDB	103.0	107.9	110.0	111.5	112.7	111.5	110.3	110.0	111.9	112.3	111.7	108.8	107.5	106.9	106.4	

OAPWL 158.0

DIRECTIVITY INDEX

FREQ.															
50	-4.5	-3.0	-5.4	-5.8	-5.5	-2.6	-2.2	-2.4	-3.9	-2.6	-1.7	0.3	2.8	7.2	8.6
63	-6.7	-4.6	-5.9	-4.1	-5.0	-2.3	-2.9	-2.8	-3.9	-3.2	-1.6	0.9	3.1	7.1	8.6
80	-7.6	-4.5	-5.7	-5.4	-5.2	-2.8	-2.7	-2.3	-2.9	-2.8	-0.8	1.3	4.1	6.3	8.0
100	-6.5	-4.6	-6.6	-6.0	-4.8	-2.5	-2.3	-1.9	-2.3	-1.2	-0.4	1.5	5.2	5.7	6.6
125	-6.1	-3.1	-4.8	-7.1	-3.6	-2.2	-2.7	-2.1	-1.7	0.1	1.0	1.9	4.5	5.8	4.2
160	-5.3	-2.6	-4.8	-5.9	-3.7	-1.7	-0.9	-0.8	-1.2	-0.2	0.7	2.0	3.8	4.9	4.3
200	-3.8	-1.4	-5.1	-5.8	-4.2	-1.6	-0.7	-0.1	-0.1	-0.1	0.9	1.7	3.2	2.2	6.0
250	-4.3	-1.9	-1.1	-1.3	-5.0	-1.9	-1.1	-3.0	-2.7	-2.0	-0.7	2.5	2.8	4.4	7.4
315	-4.0	-2.0	-2.0	-1.5	-3.2	-1.6	-1.3	-2.7	-2.7	-2.0	-0.3	3.4	4.4	3.9	4.3
400	-4.1	-3.0	-2.7	-1.5	-2.8	-1.2	-0.8	-1.0	0.0	-0.6	1.2	3.2	3.2	2.7	1.1
500	-4.8	-5.0	-3.4	-2.9	-3.1	-2.2	-2.3	-0.7	0.8	0.8	2.4	3.6	2.5	1.1	-0.7
630	-5.4	-5.3	-2.3	-3.2	-2.8	-2.6	-2.5	-0.8	1.3	2.1	2.4	3.1	2.4	0.4	-2.2
800	-5.2	-2.7	-1.7	-1.5	-1.8	-1.9	-1.3	-1.3	0.5	3.2	2.1	1.2	1.3	1.5	-1.5
1000	-9.0	-6.1	-2.9	1.0	3.2	1.2	0.7	0.8	1.7	0.1	-1.1	0.1	-2.9	-5.0	-5.0
1250	-10.9	-6.5	-2.9	1.6	4.0	2.2	0.9	0.6	1.1	-1.4	-1.4	-0.6	-3.5	-6.2	-7.6
1600	-10.0	-6.8	-3.2	1.9	4.5	3.3	0.9	0.4	-0.1	-1.3	-2.3	-3.1	-4.4	-7.0	-7.8
2000	-11.0	-5.8	-2.3	1.3	4.7	2.8	1.0	0.5	0.0	-0.3	-2.7	-4.1	-3.7	-7.7	-7.2
2500	-7.9	-3.2	-0.6	1.5	5.0	0.4	-0.1	0.6	1.0	-0.9	-3.0	-1.9	-3.3	-6.0	-4.0
3150	-6.7	-1.6	3.2	2.4	2.9	2.3	0.5	-1.6	-0.9	-0.6	-0.2	-4.6	-5.5	-3.9	-6.1
4000	-5.9	0.2	4.0	3.1	-1.2	1.5	0.3	-2.3	-0.2	1.1	0.8	-5.3	-6.4	-3.5	-5.9
5000	-7.6	-1.7	-0.0	1.9	-2.6	-1.8	-0.7	-0.6	2.7	3.6	2.7	-2.6	-6.0	-5.4	-6.3
6300	-7.3	-1.4	-0.0	2.4	3.7	-1.5	-2.0	1.2	1.6	0.6	-0.9	-1.1	-3.6	-6.1	-4.8
8000	-7.4	-3.2	1.8	0.4	1.9	-0.0	-0.4	-0.7	0.5	2.3	2.9	-2.7	-6.2	-4.5	-8.1
10000	-7.9	-3.4	-1.4	0.7	-1.3	-1.4	-0.9	-1.1	1.9	4.0	3.1	-0.6	-4.6	-5.4	-7.0

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 457.
BAR 29.1
TAMB 44.0
THET 35.0
MACT 2.0 2844
SPEED 0 7900
CRPM 8016.8
TAPE T8536.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	75.5	75.5	74.8	73.8	74.6	75.1	75.2	75.7	76.7	77.8	78.9	80.4	83.6	89.0	91.3	138.9
63	72.9	72.4	73.0	75.2	74.3	74.7	75.1	76.4	76.8	77.8	79.3	81.2	84.3	88.9	91.8	139.2
80	71.4	72.1	72.9	73.9	74.3	74.8	75.9	76.8	77.1	78.1	79.5	81.6	84.8	87.4	90.4	138.7
100	72.0	72.6	72.7	73.2	74.9	75.9	76.4	78.1	78.3	79.2	79.8	82.1	85.8	87.1	88.4	138.7
125	73.2	75.7	74.5	72.8	75.3	78.0	77.7	79.8	79.8	82.0	82.7	83.8	86.0	88.4	85.6	139.7
160	70.7	72.9	71.5	70.8	73.1	74.2	75.1	76.1	76.5	77.3	78.5	79.6	81.4	83.7	80.4	135.6
200	69.2	70.3	67.4	67.4	69.5	70.9	71.8	73.9	74.2	74.0	75.0	75.7	76.5	76.0	75.3	131.6
250	66.9	66.3	69.3	68.2	66.1	65.5	66.7	70.5	70.7	68.9	70.3	71.4	72.1	73.6	75.0	128.3
315	69.8	70.8	71.9	72.1	71.5	69.7	68.7	68.7	69.2	71.6	74.4	78.2	79.4	78.3	78.1	132.4
400	73.1	74.5	74.6	76.1	75.7	76.1	74.9	74.5	75.5	76.8	79.1	81.8	82.3	81.7	80.4	136.5
500	74.0	75.9	76.8	77.3	77.1	78.2	78.3	78.9	80.0	80.3	81.9	83.9	83.1	81.3	81.7	138.8
630	74.2	76.6	78.0	78.2	83.6	81.8	81.7	82.0	81.5	82.7	82.7	83.5	83.1	80.4	81.6	140.3
800	74.9	77.3	78.9	81.5	79.6	79.4	83.4	83.3	82.3	81.6	80.6	80.4	80.5	79.8	79.7	140.5
1000	74.1	77.5	81.3	86.4	90.8	87.6	87.4	83.6	81.8	82.6	80.9	83.8	81.4	78.1	79.9	144.0
1250	79.2	84.3	90.7	95.4	96.4	96.4	96.9	93.9	91.2	91.7	88.9	91.4	88.1	86.6	84.5	152.7
1600	80.7	84.1	86.9	92.8	94.8	95.1	92.9	93.2	89.6	88.6	85.6	86.6	86.9	84.6	84.3	150.6
2000	77.6	81.7	85.1	91.2	94.5	92.4	94.1	90.5	88.4	86.2	85.5	86.2	83.6	80.0	82.3	149.8
2500	72.3	76.7	79.8	86.9	86.7	83.6	83.8	83.4	82.1	80.4	78.7	80.5	78.1	75.4	77.4	142.1
3150	72.1	76.3	80.7	79.6	82.5	84.2	83.5	79.4	79.1	78.8	80.8	78.7	74.7	75.6	74.5	140.8
4000	75.5	81.6	84.6	84.0	80.4	84.8	84.1	81.5	81.6	82.0	82.5	77.6	75.9	78.3	77.3	143.2
5000	79.3	85.4	86.5	88.0	85.0	87.6	89.2	88.8	91.1	92.5	90.3	87.5	82.2	81.9	83.6	149.9
6300	71.6	77.4	77.7	80.7	82.8	79.5	79.6	80.2	81.4	80.6	78.8	80.3	76.6	73.2	76.4	142.4
8000	70.1	74.0	78.2	77.2	80.2	79.5	79.6	79.2	79.1	81.1	83.7	77.2	72.5	73.5	71.8	143.1
10000	70.5	74.8	75.9	78.6	77.9	78.3	79.5	79.9	82.4	83.5	82.2	80.8	75.5	73.7	74.2	145.9
OASPL MEASURED	90.2	93.1	96.1	99.9	101.9	101.5	101.4	99.8	98.[illegible]	98.5	97.4	98.2	98.8	99.5	100.8	
OASPL CALCULATED	88.9	92.4	95.6	99.[illegible]	101.2	100.8	101.0	99.2	97.8	98.1	96.7	97.2	96.5	97.4	98.5	
PNDB	101.6	106.3	108.2	110.6	112.7	112.2	112.7	111.0	111.4	112.1	110.8	109.6	107.1	106.4	107.3	

OAPWL 158.6

DIRECTIVITY INDEX

FREQ.															
50	-5.6	-5.6	-6.4	-7.3	-6.5	-6.8	-5.9	-5.4	-4.4	-3.3	-2.2	-0.7	2.5	7.9	10.2
63	-8.8	-8.9	-8.3	-8.1	-7.8	-6.6	-6.2	-4.9	-4.5	-3.5	-2.1	-0.1	3.8	7.6	10.5
80	-9.3	-8.6	-7.8	-6.8	-6.4	-5.9	-4.8	-3.9	-3.5	-2.6	-1.2	0.9	4.2	6.7	9.7
100	-8.6	-8.0	-7.9	-7.4	-5.7	-4.7	-4.2	-2.6	-2.3	-1.4	-0.8	1.5	5.1	6.5	7.8
125	-8.4	-5.9	-7.0	-8.8	-6.2	-3.6	-3.8	-1.7	-1.8	0.4	1.2	2.3	4.5	6.8	4.1
160	-6.6	-4.5	-5.8	-6.5	-4.3	-3.1	-2.3	-1.3	-0.9	-0.1	1.1	2.3	4.1	6.3	3.1
200	-4.1	-3.0	-5.9	-5.9	-5.8	-2.4	-1.7	0.7	1.8	0.8	1.8	2.4	3.3	2.7	2.8
250	-2.9	-3.5	-0.5	-1.6	-3.7	-4.3	-3.1	0.7	0.9	-0.9	0.5	1.6	2.3	3.8	5.2
315	-4.8	-3.1	-2.0	-1.7	-2.4	-4.2	-5.1	-5.1	-4.6	-2.3	0.9	4.4	5.5	4.5	4.3
400	-4.7	-3.3	-3.2	-1.7	-2.2	-1.7	-3.0	-3.3	-2.3	-1.0	1.3	3.9	4.5	3.9	2.6
500	-5.9	-4.1	-3.1	-2.7	-2.9	-1.7	-1.7	-1.0	0.8	0.3	2.0	3.9	3.1	1.3	1.7
630	-7.1	-4.7	-3.3	-3.1	-1.3	0.4	0.3	0.7	0.2	1.4	1.4	2.2	1.7	-1.0	0.2
800	-6.4	-4.1	-2.5	0.2	-1.7	-2.0	2.0	3.9	0.9	0.2	-0.7	-1.0	-0.8	-1.5	-1.0
1000	-10.7	-7.2	-3.4	1.6	5.3	2.8	2.6	-1.1	-2.9	-2.2	-3.9	-1.7	-3.3	-6.6	-4.8
1250	-14.0	-8.9	-2.5	2.2	3.2	3.1	3.6	0.7	-2.0	-1.6	-4.4	-1.8	-5.1	-6.7	-8.8
1600	-10.2	-6.8	-4.1	1.8	3.8	4.1	1.9	2.3	-1.4	-2.4	-5.4	-4.3	-4.0	-8.4	-8.6
2000	-12.2	-8.2	-4.8	1.3	4.7	2.5	4.2	0.6	-1.5	-3.7	-4.4	-3.7	-6.3	-9.9	-7.6
2500	-9.6	-5.2	-2.9	-1.0	4.8	1.9	1.9	1.5	0.2	-1.5	-3.2	-1.4	-3.8	-6.5	-4.5
3150	-8.1	-4.0	0.4	-0.7	2.3	4.0	3.2	-0.9	-1.2	-1.5	-0.2	-3.6	-5.4	-4.6	-5.8
4000	-6.6	-0.5	2.5	1.9	-1.7	2.7	2.1	-0.6	-0.4	0.6	0.4	-4.5	-6.2	-3.7	-4.8
5000	-9.2	-3.1	-2.0	-0.4	-3.4	-0.9	0.8	0.3	2.6	4.0	1.8	-0.9	-6.2	-6.5	-4.9
6300	-6.4	-2.6	-2.2	0.8	2.9	-0.4	-8.4	2.2	1.7	0.7	-1.1	0.4	-3.4	-4.8	-3.6
8000	-9.0	-5.1	-0.9	-1.9	1.1	0.4	0.6	0.1	0.0	2.8	4.6	-1.9	-6.6	-5.6	-7.5
10000	-9.2	-4.9	-3.8	-1.2	-1.8	-1.4	-0.2	0.1	2.7	3.8	2.5	1.1	-4.3	-6.1	-5.6

SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 456.
GAR 29.1
TAMB 44.0
TWET 35.0
HACT 2.82944
SPEED 6[5]100
CRPM 8[2]19.7
TAPE T6536.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	75.9	76.3	76.2	75.2	76.0	77.0	78.3	77.7	78.3	79.2	79.3	81.9	85.4	90.4	91.5	148.8
63	72.3	73.1	73.7	75.8	75.3	78.1	77.3	77.7	77.8	78.7	79.7	82.1	85.5	90.3	91.9	148.8
80	72.0	73.5	73.8	73.0	75.7	76.7	77.7	78.2	77.7	78.7	80.4	82.7	86.2	88.9	90.7	139.7
100	72.7	74.0	73.6	73.9	75.6	76.9	77.6	78.5	78.8	79.3	80.3	82.7	86.9	88.0	88.5	139.3
125	73.1	75.7	74.2	73.8	76.0	77.9	78.2	78.6	80.6	81.7	83.6	83.4	86.1	88.0	89.6	139.7
160	70.6	73.4	72.2	71.6	73.4	74.8	75.8	76.0	76.8	77.9	79.5	80.4	82.0	84.0	84.8	136.1
200	69.4	70.8	68.0	68.3	69.1	70.4	71.6	73.2	73.8	73.9	75.8	76.4	76.8	77.3	78.4	132.1
250	67.0	68.3	71.1	70.3	66.8	67.9	69.7	68.9	69.8	69.7	71.0	72.3	74.2	76.5	79.2	129.9
315	71.2	73.2	74.8	74.0	72.6	74.0	73.7	73.1	72.3	73.3	75.2	79.3	80.8	80.0	80.4	134.4
400	74.4	76.5	76.9	77.6	76.6	78.5	78.6	78.5	78.7	78.7	80.0	82.7	83.2	82.7	81.0	138.2
500	75.0	77.5	78.2	78.2	77.5	79.7	80.3	80.6	81.9	81.4	83.1	84.9	83.9	82.4	80.2	139.9
630	76.1	80.5	86.5	86.8	88.4	89.2	85.5	85.4	85.1	85.7	86.8	86.2	86.2	83.1	80.5	145.1
800	75.1	78.1	82.4	85.6	85.9	86.3	86.5	86.1	86.4	85.2	83.6	82.6	83.5	81.1	79.1	143.2
1000	79.8	79.6	86.1	89.3	89.9	89.1	88.5	88.3	87.3	85.4	83.1	86.4	84.8	79.9	79.7	146.2
1250	79.7	85.5	89.3	93.1	96.0	95.7	94.1	93.1	90.6	92.8	91.4	87.9	89.8	84.5	84.6	151.7
1600	80.2	83.8	88.4	90.8	92.8	92.8	90.0	91.4	87.6	89.9	88.5	88.8	87.1	84.7	84.3	149.3
2000	80.4	84.1	89.0	91.5	94.3	91.8	91.0	91.8	88.5	88.4	86.8	88.8	85.8	82.3	84.5	149.8
2500	74.3	78.5	82.2	84.0	87.4	83.7	83.1	85.1	83.1	82.5	80.5	80.1	79.5	76.7	78.1	143.2
3150	73.4	77.5	82.7	82.2	83.1	83.6	82.0	80.4	79.6	80.7	81.4	77.6	78.6	77.1	74.7	141.4
4000	77.8	82.2	87.0	86.0	88.3	84.7	84.1	81.4	82.2	84.5	83.9	78.2	76.8	79.5	77.5	144.1
5000	80.2	85.4	88.0	89.7	85.8	88.8	96.3	89.9	93.3	94.9	92.8	87.9	83.0	82.7	82.5	151.5
6300	73.1	78.1	88.4	83.0	82.7	79.2	80.0	82.3	83.3	83.7	81.8	81.7	77.6	74.5	76.1	143.6
8000	70.9	74.3	80.3	78.9	80.4	78.8	80.8	79.4	80.7	83.1	82.3	75.6	72.5	74.2	71.1	143.6
10000	70.6	74.2	77.2	79.3	78.1	78.0	79.4	79.2	82.4	84.8	82.4	79.6	75.1	73.7	72.3	146.1
OASPL MEASURED	90.5	94.1	97.9	100.1	101.7	101.2	100.2	100.0	99.0	100.0	99.2	98.8	99.3	100.5	101.1	
OASPL CALCULATED	89.4	93.4	97.3	99.4	101.8	100.4	99.5	99.4	98.6	99.8	98.5	97.7	97.7	98.2	98.7	
PNDB	102.6	10[7].0	110.2	111.7	112.9	111.9	111.9	111.7	112.9	11[4].2	112.4	110.3	10[8].2	10[7].4	10[7].1	

OAPWL 158.9

DIRECTIVITY INDEX

FREQ.															
50	-6.3	-6.0	-6.0	-7.0	-6.2	-5.2	-3.9	-4.5	-4.0	-3.8	-2.9	-0.3	3.2	8.2	9.3
63	-9.9	-9.0	-8.5	-6.4	-6.9	-6.	-4.8	-4.5	-4.4	-3.5	-2.5	-0.1	3.3	8.1	9.7
80	-9.7	-8.2	-7.8	-6.7	-6.0	-5.0	-4.8	-3.5	-4.0	-3.8	-1.3	1.0	4.5	7.2	9.0
100	-8.6	-7.3	-7.7	-7.4	-5.6	-4.3	-3.7	-2.8	-2.5	-2.8	-1.8	1.4	5.6	6.7	7.2
125	-8.5	-5.9	-7.3	-7.7	-5.8	-3.6	-3.3	-3.0	-1.0	0.2	2.1	1.9	4.6	6.5	4.1
160	-7.3	-4.5	-5.7	-6.3	-4.5	-3.1	-2.1	-1.9	-1.1	0.8	1.6	2.5	4.1	4.2	2.9
200	-4.3	-2.6	-5.7	-5.4	-4.8	-3.3	-2.1	-0.5	0.1	0.2	2.1	2.7	3.1	3.6	4.7
250	-4.5	-3.1	-8.4	-1.2	-4.6	-3.5	-1.7	-2.6	-1.6	-1.7	-0.5	0.8	2.7	5.1	7.8
315	-4.6	-2.6	-1.8	-1.8	-3.2	-1.9	-2.1	-2.7	-3.5	-2.3	-0.3	3.5	5.0	4.2	4.6
400	-5.0	-2.9	-2.5	-1.9	-2.8	-1.0	-0.8	-0.9	-0.7	-0.8	0.5	3.2	3.8	3.2	1.5
500	-6.2	-3.6	-2.9	-3.8	-3.3	-1.5	-0.8	-0.6	0.8	0.3	2.0	3.8	2.7	1.3	-1.0
630	-10.6	-9.6	0.4	8.7	2.3	3.1	-0.6	-0.7	-1.8	-0.4	.0.6	0.1	0.1	-3.0	-5.6
800	-9.1	-6.1	-1.8	1.3	1.7	2.1	2.3	0.9	-1.8	1.0	-0.6	-1.7	-0.8	-3.1	-5.1
1000	-11.1	-7.4	-0.8	2.4	3.0	2.2	1.6	1.4	0.4	-1.6	-3.8	-0.5	-2.9	-7.0	-7.3
1250	-12.5	-6.7	-3.0	0.9	3.8	3.5	1.9	0.8	-1.6	-0.2	-0.8	-4.3	-3.2	-7.7	-7.6
1600	-9.4	-5.8	-1.2	1.3	3.2	2.4	0.5	1.8	-2.0	0.3	-1.1	-0.8	-2.4	-4.9	-5.3
2000	-9.5	-5.7	-0.8	1.6	4.4	1.9	1.2	1.9	-1.4	-1.4	-3.0	-1.9	-4.1	-7.6	-5.3
2500	-8.7	-4.5	-0.8	1.0	4.4	0.7	0.1	2.1	0.2	-0.5	-2.5	-0.8	-3.5	-6.3	-4.9
3150	-7.4	-3.3	1.9	1.4	2.3	2.8	1.2	-0.3	-1.2	-0.1	0.6	-3.2	-5.2	-3.7	-6.1
4000	-6.0	-0.8	4.0	2.9	-2.7	1.7	1.1	-1.6	-0.8	1.5	0.8	-4.8	-5.2	-3.5	-5.5
5000	-9.9	-4.6	-2.0	-0.3	-4.2	-2.0	0.2	-0.1	3.2	4.9	2.8	-2.2	-7.1	-7.3	-7.4
6300	-8.1	-3.1	-0.8	1.8	1.6	-1.9	-1.2	1.1	2.1	2.5	-0.2	0.5	-3.5	-6.6	-5.1
8000	-8.4	-5.2	0.8	-0.7	0.8	-0.7	0.5	-0.2	1.1	3.6	2.8	-2.9	-7.0	-5.3	-6.5
10000	-9.3	-5.7	-2.8	-0.6	-1.9	-1.9	-0.5	-0.7	2.5	4.8	2.5	-0.3	-4.9	-6.2	-7.6

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RADIAL 250.0
VEHICLE -SM
CONFIG RUN 26
LOC PSG
DATE 12/11/68
RUN 459.
BAR 29.1
TAMB 44.0
TWET 35.0
HACT 2.8@844
SPEED 0@300
CRPM 8422.7
TAPE T8536.

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	75.7	75.7	75.7	74.9	75.1	76.6	76.7	77.1	78.4	80.8	80.5	82.3	85.2	91.4	93.3	140.8
63	71.4	71.7	73.3	75.1	74.8	76.0	76.1	77.4	78.3	79.4	80.7	83.0	86.2	91.4	93.9	141.2
80	71.7	72.8	74.6	74.6	75.5	76.9	78.0	78.5	79.2	79.9	81.1	83.2	86.8	89.8	92.5	140.7
100	72.4	73.7	72.9	73.8	75.5	76.9	77.7	79.2	79.5	80.7	81.4	85.9	87.8	89.2	90.8	140.5
125	73.3	75.8	73.8	73.1	75.5	77.4	77.5	78.9	81.1	82.0	83.3	84.7	87.5	89.5	87.8	140.6
160	71.5	74.6	72.4	71.4	73.5	75.5	76.1	76.7	78.1	79.2	80.3	81.9	83.8	85.9	83.7	137.5
200	71.1	72.6	68.9	67.8	69.1	71.1	71.7	73.9	74.9	75.0	76.4	77.5	78.9	78.6	79.8	133.1
250	68.7	67.6	67.8	66.3	64.7	66.8	67.8	69.0	70.9	70.6	71.4	73.1	73.6	75.5	78.9	129.5
315	68.2	69.8	70.9	71.6	71.9	72.4	72.7	72.8	73.1	73.8	76.3	80.1	80.4	79.5	80.3	134.1
400	73.1	74.5	74.2	76.1	76.2	78.8	78.2	78.4	78.9	78.9	80.8	83.8	83.3	82.5	82.0	138.2
500	74.6	76.8	76.8	77.2	77.9	79.9	80.5	81.0	82.1	82.3	83.7	85.6	84.0	82.8	82.2	140.3
630	77.5	81.1	86.3	87.4	90.8	91.8	88.8	90.1	86.9	88.1	88.3	87.6	86.9	84.9	82.7	147.2
800	78.2	80.1	84.6	84.2	86.8	86.8	85.2	87.3	84.8	86.8	85.2	84.4	83.8	83.2	81.7	144.3
1000	79.4	77.6	82.4	87.3	85.2	89.2	87.1	87.3	85.5	84.1	83.1	82.7	81.9	80.8	80.3	145.0
1250	79.4	84.5	92.1	93.0	97.0	97.4	92.7	94.0	91.0	90.4	90.0	88.6	85.1	84.5	83.8	152.1
1600	79.2	83.3	89.4	87.9	92.1	90.7	87.8	89.9	88.8	88.1	88.2	88.2	85.8	83.4	83.5	148.0
2000	78.4	83.1	87.5	90.0	94.8	92.6	91.4	90.5	89.0	87.7	85.8	86.2	84.4	82.0	83.9	149.6
2500	73.7	78.8	88.4	88.8	89.8	85.5	84.6	85.8	84.5	82.4	80.7	82.8	79.0	77.5	78.9	144.1
3150	72.2	77.1	82.7	79.9	83.9	83.9	82.3	80.3	79.4	79.9	80.3	77.5	75.3	76.7	75.8	141.2
4000	75.9	81.9	86.6	84.2	81.9	86.9	85.6	81.8	82.7	83.9	83.5	78.6	77.1	79.7	77.8	142.5
5000	78.5	85.2	87.2	87.4	85.9	88.7	90.8	92.1	93.4	94.8	90.6	88.4	88.1	82.1	82.6	151.4
6300	72.3	78.5	79.9	81.5	84.1	81.1	81.7	84.6	84.5	84.4	81.4	83.0	78.8	75.2	77.1	144.6
8000	78.2	74.7	79.5	77.2	81.1	81.4	82.8	81.1	82.0	83.7	82.2	77.4	72.7	74.9	71.8	144.2
10000	69.3	74.0	77.4	77.6	78.1	79.8	80.0	80.4	81.8	83.2	81.2	80.0	74.7	73.5	72.8	145.6
OASPL MEASURED	90.1	93.8	98.3	98.9	102.3	102.8	99.8	100.6	99.5	99.7	98.6	99.1	99.4	101.4	102.8	
OASPL CALCULATED	88.9	93.1	97.0	98.2	101.6	101.4	99.2	100.0	99.1	99.2	98.8	98.0	97.5	99.1	100.3	
PNDB	101.6	106.8	109.9	110.1	113.5	112.7	112.2	113.0	113.3	113.6	111.7	110.7	107.8	107.4	107.7	

OAPWL 159.1

DIRECTIVITY INDEX

FREQ.															
50	-7.3	-7.4	-7.8	-8.1	-7.9	-6.4	-6.4	-5.9	-4.6	-3.8	-2.6	-0.7	2.2	8.3	10.3
63	-11.9	-11.6	-10.0	-8.2	-8.5	-7.3	-7.2	-5.9	-5.0	-3.9	-2.4	-0.3	2.9	8.1	10.6
80	-11.0	-9.9	-8.1	-8.1	-7.2	-5.8	-4.7	-4.2	-3.4	-2.8	-1.6	0.6	4.1	7.1	9.8
100	-10.0	-8.7	-9.5	-8.6	-6.9	-5.5	-4.8	-5.2	-2.9	-1.7	-1.1	1.4	5.3	6.8	8.3
125	-9.2	-6.6	-8.7	-9.3	-7.0	-5.8	-5.0	-3.5	-1.3	-0.4	0.8	2.3	5.1	7.1	5.4
160	-7.8	-4.7	-6.9	-7.9	-5.8	-3.8	-3.1	-2.5	-1.1	-0.1	1.0	2.6	4.5	6.6	4.4
200	-3.6	-2.2	-5.9	-7.0	-5.7	-3.7	-3.1	-0.9	0.1	0.2	1.6	2.7	4.1	3.8	5.0
250	-2.3	-3.3	-3.2	-4.7	-4.3	-5.0	-4.0	-2.0	-0.1	-0.4	0.4	2.1	2.9	4.6	7.9
315	-7.4	-5.7	-4.6	-3.9	-3.6	-3.1	-2.9	-2.7	-2.4	-1.7	0.7	4.6	4.9	4.0	4.8
400	-6.5	-5.0	-5.3	-3.4	-3.4	-1.5	-1.3	-1.1	-0.6	-0.6	1.2	4.2	3.8	3.0	2.5
500	-6.9	-4.8	-4.7	-4.3	-3.6	-1.6	-1.0	-0.5	0.5	0.8	2.2	4.1	2.5	-1.3	0.7
630	-10.8	-7.1	-1.9	-0.9	2.6	2.7	0.8	1.8	-1.4	0.8	0.8	-0.7	-1.4	-3.4	-5.6
800	-7.9	-5.1	-0.6	-1.0	1.6	1.6	-0.0	2.1	-0.4	1.6	0.8	-0.8	-1.4	-2.0	-3.4
1000	-10.3	-8.1	-3.3	1.5	3.5	3.5	1.4	1.6	-0.2	-1.5	-2.6	-2.9	-3.7	-5.6	-5.4
1250	-13.3	-8.1	-0.5	0.4	4.4	4.7	0.1	1.4	-1.6	-2.3	-2.6	-4.8	-7.5	-8.1	-8.8
1600	-9.1	-4.7	1.1	-0.4	3.8	2.4	-0.5	1.9	0.5	-2.2	-2.1	-3.1	-2.5	-4.9	-4.9
2000	-11.3	-6.5	-2.1	0.4	5.1	3.0	1.8	0.9	-0.7	-2.0	-3.8	-3.4	-5.2	-7.6	-5.7
2500	-10.3	-5.2	-1.5	-1.1	5.0	1.6	0.7	1.9	0.6	-1.3	-3.2	-1.2	-4.0	-6.5	-5.0
3150	-8.5	-3.5	2.1	-0.8	3.3	3.3	1.6	-0.4	-1.1	-0.8	-0.4	-3.1	-5.4	-4.0	-5.7
4000	-7.4	-1.4	3.3	0.8	-1.4	3.5	2.3	-1.6	-0.6	0.6	0.1	-4.8	-6.3	-3.6	-5.6
5000	-11.4	-4.7	-2.7	-2.5	-4.0	-1.2	0.9	2.1	3.9	4.1	0.7	-1.5	-6.8	-7.9	-7.3
6300	-9.9	-3.7	-2.3	-0.7	1.9	-1.1	-0.5	2.4	2.3	2.2	-0.8	0.8	-3.4	-7.0	-5.1
8000	-10.6	-5.6	-0.8	-3.1	0.8	1.1	0.6	0.8	1.7	3.5	2.0	-2.9	-7.5	-5.3	-6.4
10000	-10.2	-5.5	-2.1	-1.9	-1.4	-0.5	0.5	0.9	2.3	3.7	1.8	0.5	-4.8	-6.0	-6.6

PAGE 1 SCALE MODEL RUN 26 T/D 12/11/68 PROC. DATE - MONTH 12 DAY 20 HR. 4.9

RADIAL 250.0
VEHICLE - SM
CONFIG RUN 26
LOC PPG
DATE 12/11/68
RUN 460'
BAR 29.1
TAMB 44.0
TWET 35.0
HACT 2.8628044
SPEED 8500
CRPM 8625.8
TAPE T8536.

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	PWL
50	76.9	77.7	77.1	76.5	77.2	79.0	80.1	80.4	80.5	81.8	81.7	83.5	87.2	92.4	92.6	141.7
63	73.0	74.3	74.6	76.8	76.9	77.7	78.7	79.8	80.2	80.9	81.9	83.9	87.5	92.6	93.4	142.0
80	73.9	75.3	75.4	76.3	77.1	78.3	79.4	80.4	80.3	81.1	82.1	84.3	88.0	91.0	91.8	141.4
100	74.8	75.2	74.6	75.8	77.3	78.9	79.7	80.5	80.7	81.4	82.1	84.7	89.1	89.9	89.7	141.2
125	74.9	77.2	75.3	74.4	76.4	78.9	79.0	79.6	80.7	82.4	83.2	84.9	88.2	89.5	86.5	140.8
160	73.3	76.4	74.5	72.3	74.2	77.6	77.3	78.1	79.0	81.8	81.4	82.6	84.4	84.7	81.6	138.2
200	70.6	72.2	69.4	69.2	69.6	71.5	73.1	74.2	73.9	73.9	75.7	77.3	78.4	77.9	79.6	132.9
250	68.4	70.6	74.0	74.5	72.4	71.3	70.5	70.9	71.4	72.5	74.2	76.3	76.3	79.2	81.4	132.7
315	72.2	75.2	77.1	78.2	77.5	77.5	76.3	76.8	77.3	78.1	79.7	81.9	82.6	82.5	82.5	137.5
400	76.9	80.8	82.3	85.0	82.8	85.4	82.3	84.4	83.5	82.6	83.5	85.2	85.4	84.1	81.9	142.3
500	77.3	80.0	83.4	81.0	83.0	83.1	83.2	83.8	84.0	84.2	85.5	86.5	86.3	84.4	82.3	142.7
630	78.7	81.1	87.8	86.9	86.9	85.0	84.6	85.3	84.3	85.1	86.1	86.9	87.7	85.7	83.8	144.5
800	77.3	82.6	89.1	92.6	91.1	92.4	89.8	87.8	87.1	87.8	87.5	86.6	86.3	86.0	81.2	147.9
1000	74.8	78.7	82.8	85.3	85.2	86.5	83.7	84.0	83.3	83.6	83.8	83.8	82.4	81.1	79.0	142.9
1250	80.2	85.4	90.2	91.9	91.7	88.8	86.3	85.2	86.5	86.6	86.7	85.6	85.7	83.4	83.3	147.2
1600	78.2	83.3	89.4	91.2	90.5	89.7	86.9	86.2	85.9	85.8	85.6	85.6	84.3	83.7	83.1	147.0
2000	79.5	83.4	87.7	89.9	89.9	87.6	85.4	85.3	85.2	84.8	83.3	84.4	82.6	81.5	83.0	146.8
2500	75.1	79.1	83.3	85.5	86.3	83.4	81.2	83.5	82.9	81.9	79.9	80.1	79.8	77.9	78.8	142.8
3150	73.4	77.8	83.0	82.0	81.6	82.2	79.0	79.2	78.6	79.8	80.4	77.1	75.6	77.1	74.9	140.4
4000	76.5	82.8	86.2	84.9	79.1	84.6	81.9	80.5	81.5	83.9	83.3	77.7	77.2	79.7	76.8	143.3
5000	79.2	84.3	86.7	87.9	85.2	88.8	88.9	92.1	93.4	94.8	98.1	86.6	83.0	82.3	81.2	151.2
6300	74.0	79.3	81.1	82.8	82.5	81.7	82.1	86.6	87.2	88.1	84.8	84.4	80.6	77.2	76.9	146.5
8000	71.2	75.0	80.4	78.2	79.3	80.2	79.1	80.5	80.0	83.4	82.0	76.6	73.2	75.4	70.8	143.5
10000	70.2	74.1	78.0	78.4	77.3	78.7	78.8	80.7	82.4	83.7	81.2	78.4	74.4	73.9	71.8	145.6
OASPL MEASURED	91.2	94.8	99.0	100.4	99.8	99.7	97.8	98.9	98.6	99.5	98.8	99.1	100.5	102.3	102.1	
OASPL CALCULATED	89.9	93.8	98.1	99.6	98.9	98.7	97.8	97.9	98.3	99.2	97.7	97.7	98.5	99.9	99.6	
PNDB	102.8	106.9	110.4	111.2	110.7	111.6	110.4	112.3	113.8	114.0	111.9	109.8	108.2	108.0	106.5	

OAPWL 158.2

DIRECTIVITY INDEX

FREQ.															
50	-7.0	-6.3	-6.9	-7.5	-6.8	-5.8	-3.8	-3.5	-3.5	-2.2	-2.3	-0.4	3.2	8.4	8.6
63	-11.1	-9.8	-9.5	-7.3	-7.2	-6.4	-5.4	-4.3	-3.9	-3.2	-2.2	-0.2	3.4	8.5	9.3
80	-9.4	-8.2	-8.0	-7.2	-6.4	-5.1	-4.0	-3.0	-2.2	-2.3	-1.3	0.9	4.5	7.5	8.4
100	-9.1	-7.9	-8.5	-7.4	-5.8	-4.3	-3.5	-2.6	-2.5	-1.7	-1.8	1.6	6.0	6.7	6.5
125	-7.7	-5.4	-7.3	-8.3	-6.3	-3.7	-3.6	-3.1	-1.9	-0.3	0.6	2.2	5.6	6.8	3.9
160	-6.6	-3.5	-5.4	-7.6	-5.7	-2.3	-2.6	-1.8	-0.9	1.2	1.5	2.7	4.5	4.8	1.7
200	-3.9	-2.3	-5.1	-5.3	-4.9	-3.6	-1.4	-0.3	-0.6	-0.6	1.2	2.8	3.9	3.4	5.1
250	-5.8	-3.6	-0.2	0.2	-1.8	-2.9	-3.7	-3.4	-2.8	-1.7	0.8	2.1	2.1	5.0	7.2
315	-6.7	-3.7	-1.8	-0.7	-1.4	-1.4	-2.6	-2.1	-1.6	-0.8	0.8	3.0	3.7	3.6	3.4
400	-6.7	-2.9	-1.3	1.4	-0.9	1.8	-1.3	0.7	-0.1	-1.0	-0.1	1.6	1.8	0.5	-1.7
500	-6.5	-5.8	-8.4	-2.8	-0.9	-0.7	-2.6	-0.1	0.2	0.4	1.7	2.7	2.4	0.6	-2.6
630	-6.8	-4.5	2.2	1.3	1.3	-0.6	-1.0	-0.2	-1.3	-0.5	0.5	1.3	2.1	0.1	-4.7
800	-11.5	-6.2	0.3	3.6	2.3	3.6	0.2	-1.0	-1.7	-1.0	-1.3	-2.2	-2.5	-2.8	-7.6
1000	-8.8	-5.0	-0.9	1.7	1.5	2.8	-0.0	0.3	-0.4	-0.1	0.1	0.1	-1.3	-2.6	-4.7
1250	-7.6	-2.4	2.5	4.1	3.9	1.0	-1.5	-2.6	-1.3	-1.1	-1.1	-2.1	-2.1	-4.4	-4.5
1600	-8.1	-4.0	2.1	3.9	3.2	2.4	-0.4	-1.1	-1.4	-1.5	-2.3	-1.8	-3.0	-3.6	-4.2
2000	-6.6	-2.7	1.6	3.9	3.8	1.5	-0.7	-0.7	-0.9	-1.3	-2.8	-1.7	-3.4	-4.6	-5.1
2500	-7.5	-3.5	0.7	2.9	3.7	0.8	-1.4	0.9	0.3	-0.7	-2.7	-0.4	-2.8	-4.7	-3.8
3150	-6.4	-2.0	3.2	2.2	1.7	2.4	-0.8	-0.6	-1.3	0.0	0.6	-2.7	-4.3	-2.7	-4.9
4000	-5.7	-0.2	4.0	2.7	-3.1	2.4	-0.3	-1.7	-0.7	1.3	1.1	-4.5	-5.0	-2.5	-5.4
5000	-10.6	-5.5	-3.0	-1.8	-4.5	-1.7	-0.9	2.4	3.7	5.0	0.4	-3.1	-6.7	-7.5	-8.6
6300	-10.0	-4.7	-2.9	-1.2	-1.6	-2.3	-1.9	2.6	3.1	4.1	-0.0	0.4	-3.4	-6.8	-7.1
8000	-8.3	-4.5	0.9	-1.3	-0.2	0.7	-0.4	1.0	0.5	3.9	2.4	-2.9	-6.3	-4.1	-6.7
10000	-9.3	-5.4	-1.5	-1.1	-2.2	-0.8	-0.7	1.2	2.9	4.2	1.7	-1.1	-5.1	-5.8	-7.7

APPENDIX B

DATA FROM D/V II

(REF. VOLUME I SECTION IV)

RADIAL DISTANCE 250

DATE: 9/22/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	2.0	10.2	20.0	30.2	40.2	50.2	60.0	70.0	80.2	90.0	100.2	110.0	120.0	130.0	140.0	150.2	160.2	170.0	(PWL)
FREQ.																			
50			68.10	68.46	68.18	69.16	67.12	74.88	68.94	68.84	68.73	67.96	67.66	67.75	64.72	70.97	73.10		126.5
63			68.55	68.05	68.25	72.92	64.98	68.35	65.98	72.85	64.97	69.78	65.86	66.79	72.61	71.63	75.88		127.8
80			67.87	68.38	68.92	68.11	67.18	66.89	66.55	66.58	66.84	66.25	66.31	67.25	68.80	70.24	71.74		125.5
100			68.99	69.54	70.88	68.83	67.59	67.32	67.85	67.79	67.71	67.58	66.93	67.75	66.79	70.24	70.63		124.3
125			63.52	64.49	64.37	64.98	63.36	64.99	64.97	65.88	69.85	66.44	66.87	67.63	68.22	70.54	69.26		124.9
160			60.11	61.21	60.23	62.36	62.15	64.52	64.37	65.51	65.47	68.23	67.48	67.69	67.29	68.58	67.63		124.8
200			68.71	62.24	65.77	66.17	62.98	68.71	64.58	66.74	65.13	71.88	68.69	68.99	68.87	69.87	68.18		126.1
250			58.41	59.34	63.81	65.15	58.41	59.44	68.54	61.92	63.99	64.84	64.34	65.29	62.82	61.21	62.21		120.9
315			57.19	55.98	57.97	57.32	56.56	55.77	58.81	60.29	61.44	64.41	68.12	58.85	60.18	59.83	57.28		117.7
400			57.83	59.65	60.78	61.45	60.89	58.99	57.24	58.47	59.32	61.18	68.26	61.88	65.29	64.58	66.37		119.6
500			61.43	63.37	62.93	64.29	62.99	63.65	62.64	61.16	61.64	61.87	63.17	65.83	68.49	66.23	64.19		122.7
630			63.67	65.98	66.63	67.45	65.85	68.75	65.58	64.96	65.59	65.18	67.26	69.24	69.84	66.91	66.28		125.7
800			64.89	67.47	69.88	69.96	68.88	68.82	67.53	67.54	67.78	69.63	69.58	70.40	69.17	66.22	66.49		127.7
1000			63.39	67.86	70.21	70.12	69.87	67.58	66.87	69.74	69.46	71.74	72.38	71.19	70.84	66.99	67.71		129.2
1250			64.23	67.51	70.25	69.35	69.84	66.55	66.65	67.38	67.61	68.88	69.78	69.19	68.80	65.59	65.99		127.8
1600			65.94	70.88	73.69	72.54	72.58	71.75	69.83	70.29	69.83	70.47	71.28	71.37	69.29	67.59	66.76		130.7
2000			63.99	68.99	71.51	72.38	72.17	70.21	71.83	70.83	72.43	72.81	73.89	72.88	70.78	68.97	69.31		131.8
2500			65.42	70.14	73.32	73.43	73.58	73.82	74.41	72.41	74.72	75.26	74.91	73.93	72.77	67.57	71.34		134.1
3150			76.75	83.33	84.99	85.99	85.45	85.55	82.92	85.35	86.27	86.93	85.21	86.98	82.17	78.46	81.66		145.6
4000			72.65	78.58	81.12	81.62	80.98	80.63	77.61	80.59	81.14	81.63	80.64	82.82	77.69	75.25	77.88		141.4
5000			65.99	75.82	73.48	74.13	73.57	73.94	75.72	74.29	74.18	76.45	75.15	75.81	73.23	71.81	71.26		136.1
6300			71.82	77.14	78.33	79.94	78.75	78.86	75.93	78.52	79.48	78.48	80.83	80.78	78.79	78.74	78.12		140.8
8000			67.39	75.31	75.84	76.30	74.74	74.49	73.87	74.71	76.43	76.79	76.66	77.40	75.69	76.79	72.42		139.1
10000			64.82	72.36	72.88	73.29	72.95	71.92	71.49	73.68	72.75	73.46	72.92	73.73	70.34	68.95	68.58		138.1
MEASURED OASPL			83.72	88.49	90.23	90.99	89.79	89.71	87.64	89.38	90.36	90.76	90.85	90.98	87.82	85.14	87.19		
CALCULATED OASPL			81.53	87.23	88.63	89.48	88.78	88.69	86.75	88.48	89.37	89.79	88.98	89.92	86.88	84.28	86.21		
PNCB			96.61	102.6	103.9	104.6	104.2	104.1	102.2	103.9	104.6	105.4	104.4	105.3	101.9	98.97	101.3		
																		OAPWL:	149.6

AMBIENT TEMP, 75.00
WET-BULB TEMP, 66.00
BAR. PRESSURE 29.27
ABS. HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/29/69-3

RUN#2 RDGS 6 SPEED=5447

RADIAL DISTANCE 25

DATE: 9/2/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	22.5	32.5	45.0	55.0	67.5	77.5	90.0	102.5	112.5	125.0	135.0	145.0	157.5	167.5	180.0 (PWL)
50			-.523	-.242	-.518	.4606	-1.58	2.179	.2485	-.659	-1.97	-.745	-1.84	-.993	-3.98	1.871	4.479
63			-8.59	-9.19	-2.89	-.3778	-4.57	-.591	-3.17	9.765	-4.58	.9543	-3.29	-2.35	3.864	2.884	3.857
80			.3596	.7936	1.465	.5976	-.327	-.821	-.959	-.928	-1.47	-1.24	-1.19	-.259	-2.42	2.731	4.231
100			.7564	1.362	1.839	.9893	-.643	-.919	-1.16	-.449	-.537	-.665	-1.32	-.499	-1.49	2.889	2.888
125			-3.29	-2.33	-2.45	-2.93	-3.46	-1.83	-1.84	-1.81	3.242	-.369	.8568	.8287	1.485	3.725	2.449
160			-5.08	-4.57	-5.15	-3.67	-3.84	-1.28	-1.41	-.276	-.315	2.443	1.661	1.918	1.912	2.774	1.843
200			-7.63	-5.49	-2.97	.4342	-4.76	-1.63	-3.18	-1.88	-2.61	4.139	.9973	1.259	2.133	1.332	.4481
250			-4.13	-3.19	.4694	2.807	-4.13	-3.10	-1.99	-.824	1.459	1.581	1.883	.7484	-.588	-1.33	-.325
315			-1.96	-3.25	-1.59	-1.24	-2.59	-3.38	-1.15	1.133	2.282	2.251	.9656	-1.11	1.826	.4772	-1.88
400			-3.08	-1.26	-.132	.5364	-.523	-1.92	-3.67	-2.45	-1.61	.2675	-.857	.9841	4.388	3.669	-.547
500			-2.44	-.523	-.944	.4196	-1.28	-.221	-1.23	-2.72	-2.84	-2.81	-.785	1.959	4.022	2.355	.3196
630			-3.88	-.774	-.121	.5219	-.899	-.886	-1.18	-1.79	-1.15	-1.57	.5129	2.498	3.185	-.242	-.674
800			-4.58	-1.12	1.288	1.309	-.316	-.968	-1.86	-1.85	-.891	.4419	.9829	1.818	.9744	-2.87	-2.11
1000			-6.52	-2.84	.2976	.1168	-.239	-2.33	-1.84	-.168	-.452	1.831	2.475	1.242	1.386	-2.92	-2.28
1250			-4.16	-.877	1.666	1.134	.8542	.1882	-1.73	-1.81	-.778	.4945	1.316	.8878	-.322	-2.79	-2.30
1600			-5.88	-.137	2.674	1.818	1.997	.7269	-1.99	-.733	-1.19	-.949	.2411	.3469	-1.73	-3.43	-2.26
2000			-7.57	-2.57	-.254	.8236	.6973	-1.55	-.531	-.728	.8659	1.257	1.728	.7222	-.638	-2.66	-2.85
2500			-6.46	1.285	-.541	1.197	-.356	-.842	.9481	-1.48	.8683	1.485	.8944	.8089	-1.89	-6.29	-2.92
3150			-8.33	-1.74	-.398	.9194	.5718	.4779	-2.16	.2766	1.194	1.853	.1303	1.425	-2.96	-6.67	-2.42
4000			-7.62	-1.77	.8389	.7376	.6249	.3971	-2.67	.3881	.8591	1.387	.3648	1.738	-2.98	-8.83	-3.28
5000			-8.82	.4837	-1.13	-.4778	-1.84	-.891	1.184	-.325	1.289	1.838	.5385	.3088	-1.38	-3.81	-3.35
6300			-6.49	-1.18	.8136	-.3174	.4388	.5473	-2.38	.2884	1.886	.8823	1.713	2.488	-2.87	-7.98	-2.19
8000			-7.86	.2818	.7918	-.6833	-.388	-.951	-1.18	-.333	1.381	-.259	1.488	2.481	-1.38	-4.25	-2.83
10000			-7.37	.3626	.8829	-.717	.5587	-.381	-.511	1.863	.7598	-.932	.9279	1.729	-1.66	-8.85	-3.42

AMBIENT TEMP, 78.80
WET-BULB TEMP, 66.80
BAR. PRESSURE 29.87
ABS. HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-8

RUN=2 RDG= 6 SPEED=5447

RADIAL DISTANCE 252

DATE: 8/28/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	6.0	18.0	24.0	30.0	42.0	54.0	66.0	78.0	90.0	102.0	114.0	126.0	138.0	150.0	162.0	174.0	(PWL)
50			71.06	71.22	72.12	66.88	65.88	67.26	68.35	69.28	67.83	68.48	68.68	69.78	69.69	72.96	75.25		127.2
63			62.64	66.96	66.11	69.39	62.66	63.43	64.19	73.83	65.22	69.87	67.44	68.77	73.89	73.56	75.86		127.3
80			61.66	68.96	61.72	62.36	62.67	62.32	63.82	65.17	65.29	66.31	67.38	68.72	66.18	71.39	73.24		121.3
100			72.26	72.36	69.91	78.73	67.86	68.45	66.41	68.64	69.96	69.25	66.44	78.16	68.34	71.97	72.28		127.6
125			63.83	63.24	62.59	62.41	63.17	63.71	64.46	95.83	78.21	67.29	68.34	69.15	69.11	72.32	78.51		125.5
160			63.83	64.27	64.28	63.64	62.15	62.95	64.55	85.99	66.51	67.41	67.83	68.25	67.84	69.68	67.65		124.5
200			62.76	62.45	61.38	64.35	62.98	66.71	67.89	89.57	68.99	67.58	71.55	68.46	68.89	66.73	68.49		126.1
250			84.81	85.36	84.71	83.58	87.53	87.79	89.98	88.58	82.89	83.43	83.15	82.55	81.40	81.57	82.42		128.8
315			59.82	57.88	58.77	58.59	57.54	54.88	57.43	88.14	59.96	61.86	58.88	58.41	61.49	61.57	58.16		117.8
400			58.63	59.79	62.19	63.63	61.05	60.44	58.14	89.51	58.39	60.45	61.56	64.44	60.67	66.29	62.93		128.9
500			61.56	62.99	64.05	66.33	66.59	64.62	64.13	84.49	63.61	62.98	66.83	69.82	39.89	67.72	65.29		124.8
630			64.17	64.84	68.13	69.17	68.15	68.45	67.88	87.46	68.22	68.58	68.43	78.69	78.41	67.44	67.62		127.6
800			65.29	68.68	70.89	72.14	69.89	68.22	67.95	88.81	69.11	78.88	78.85	78.88	69.85	67.84	66.99		128.5
1000			66.64	69.85	72.29	69.82	69.78	67.83	66.77	88.13	68.48	69.87	78.43	69.77	68.84	67.85	67.81		128.4
1250			64.42	67.63	72.31	71.81	71.34	69.97	66.34	89.29	68.92	69.54	78.93	78.71	68.62	66.63	67.89		129.1
1600			66.25	71.31	74.84	74.73	74.97	72.62	71.68	73.16	73.18	73.87	74.82	74.12	78.49	68.64	78.72		132.9
2000			66.44	72.32	74.84	73.66	72.98	70.48	78.98	78.88	71.92	72.88	72.64	72.14	78.33	69.88	68.42		131.7
2500			67.32	75.63	74.44	78.56	73.82	74.85	75.82	73.47	76.45	76.66	76.28	75.84	72.89	67.51	72.43		138.3
3150			71.96	79.91	88.79	81.36	81.81	79.82	78.68	82.28	82.49	81.73	81.28	82.85	76.78	72.87	76.78		141.1
4000			75.32	81.56	85.84	84.65	83.86	83.53	81.83	84.25	87.37	85.69	85.89	85.36	88.19	77.33	79.38		146.8
5000			67.29	77.27	75.35	75.65	75.51	74.45	78.35	75.65	78.59	77.91	77.88	77.88	73.84	72.26	72.18		137.9
6300			69.94	77.12	77.81	77.93	78.85	77.82	76.86	77.85	79.11	78.24	79.39	78.76	73.86	68.75	74.82		139.8
8000			68.75	78.24	78.83	76.74	77.12	76.81	77.38	76.84	77.32	78.14	78.88	78.16	73.34	71.89	73.45		148.9
12000			66.38	75.89	75.53	76.66	74.97	73.96	73.54	78.81	75.79	74.75	76.79	76.24	72.05	69.28	73.89		141.2
MEASURED OASPL			83.22	88.11	90.45	90.39	90.25	89.92	88.48	91.59	91.65	90.79	91.83	90.83	86.99	85.39	87.31		
CALCULATED OASPL			81.78	87.73	89.96	89.63	88.84	87.63	87.26	98.61	90.53	89.63	89.52	88.80	84.48	86.11			
PNCB			96.29	102.3	104.4	104.3	104.2	102.9	102.2	106.1	105.8	104.9	104.9	104.9	100.9	96.58	100.4		

OAPWL: 156.3

AMBIENT TEMP, 76.8F
WET-BULB TEMP, 66.4F
BAR. PRESSURE 29.27
ABS. HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-8

RUN=2 MOD= 7 SPEED=5734

84

RADIAL DISTANCE 25c

DATE: 6/2/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET															
	16,2	2 ,0	32,1	42,2	2 ,0	67,9	72,	97,2	92,2	122,2	112,2	122,2	132,2	142,2	152,2	162,2	172,2	(PWL)
63		2,199	1,563	,9622	-,754	-3,66	-4,22	-2,11	-,381	-1,63	-,983	-,778	,3226	-3,77	3,498	5,789		
83		-8,79	-8,47	-3,32	,4979	-6,77	-8,21	-5,25	3,592	-4,23	,4396	-1,99	-,662	3,665	4,126	5,658		
87		-4,66	-5,35	-4,59	-3,21	-3,65	-3,99	-2,49	-1,14	-1,22	-,881	1,873	2,488	-,289	5,804	6,931		
127		2,079	2,782	,3279	1,149	-1,92	-4,13	-3,17	-,941	,3759	-,325	-1,14	,9819	-1,24	2,396	2,795		
125		-3,57	-4,16	-4,81	-4,39	-4,24	-3,86	-2,94	-1,57	2,827	-,185	,8432	1,745	1,788	4,918	3,189		
163		-2,41	-2,18	-1,96	-2,51	-4,12	-3,29	-1,69	-,256	,2683	1,187	1,984	1,982	1,394	3,431	1,887		
223		-4,95	-5,26	-6,33	-3,38	-4,73	-1,62	,1885	1,856	1,286	-,181	3,837	,7456	,3875	-,981	-1,21		
253		2,261	3,212	2,355	1,246	-4,82	-4,56	-2,38	-1,77	,3489	1,878	,7965	,1996	-,859	-,787	,4889		
315		,5923	-1,33	-,4463	-,3231	-1,87	-4,41	-1,78	,8233	,7481	1,843	-1,13	-,885	2,885	2,337	-1,86		
423		-4,15	-2,39	,4487	,8466	-,239	-1,74	-3,99	-2,67	-3,79	-1,74	-,826	2,251	4,486	4,183	,7446		
503		-4,39	-2,97	-1,89	,4775	,0386	-1,34	-1,82	-1,45	-2,35	-1,97	,8754	3,871	3,948	1,771	-,659		
532		-4,43	-1,76	-,474	,5619	-,447	-,154	-,722	-1,14	-,398	-,822	,8275	2,896	1,818	-1,16	-,984		
633		-4,15	-,754	1,462	,9259	-,936	-1,41	-1,48	-,622	-,328	1,441	1,212	1,447	-,381	-2,48	-2,45		
1222		-3,11	,6933	3,289	,8864	,0194	-2,13	-2,39	-1,43	-,878	,7129	1,278	,8116	-,319	-2,11	-2,15		
1252		-5,24	-2,24	,6514	1,742	1,675	,3857	-1,32	-,371	-,745	-,129	,8674	1,845	-1,84	-3,83	-2,58		
1622		-7,65	-1,98	1,943	1,433	1,668	-,678	-1,62	-,138	-,196	,5781	1,919	,8158	-2,82	-4,66	-2,58		
2227		-5,32	,5652	2,284	1,347	1,145	-1,33	-,856	-1,68	-,234	,4437	1,884	,3768	-1,43	-2,68	-2,34		
2528		-7,77	,9378	-,848	1,473	-1,47	-,436	,7392	-1,41	1,364	1,969	1,178	,8597	-2,44	-7,87	-2,66		
3152		-8,61	-,858	,2256	,7319	,4397	-,956	-1,97	1,682	1,928	1,161	,6208	,3764	-3,79	-8,56	-3,87		
4222		-9,56	-3,32	,1017	-,247	,2941	-1,35	-3,85	3,349	2,492	,8887	,2118	,4758	-4,69	-7,85	-8,58		
5283		-9,23	,7379	-1,18	-,579	-1,82	-2,85	1,823	-,898	2,865	1,377	1,484	,4718	-3,80	-4,33	-4,43		
6332		-7,44	-,311	-,419	,4974	,0225	-,488	-1,43	-,376	1,664	,8125	1,963	1,332	-3,45	-8,68	-3,43		
6328		-8,21	1,285	1,877	-,222	,1621	-,351	,4832	-,128	,3425	-,816	1,947	1,266	-3,82	-8,65	-3,51		
12287		-8,75	,8478	,4755	1,269	-,782	-1,69	-1,91	,9548	,7422	-,297	1,738	1,187	-2,18	-5,79	-1,95		

AMBIENT TEMP, 76.86
WET-BULB TEMP, 66.22
BAR, PRESSURE 29.27
ABS, HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 6/28/69 R/D 6/29/69-3

RUN#2 EDGE 7 S*6B2C*3734

RADIAL DISTANCE 25d

DATE: 6/22/67

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ.	-,d	16,8	24,2	32,7	42,2	52,7	62,2	72,2	82,2	90,8	100,2	110,2	120,2	130,8	140,6	150,7	160,6	170,8	(PWL)
52			69,85	66,77	67,39	66,59	66,88	66,13	66,41	67,86	67,23	68,68	68,78	70,38	66,49	74,34	77,15		127,1
63			62,42	62,23	65,83	69,58	63,81	64,66	63,62	73,29	66,43	70,73	68,39	70,82	73,36	74,82	77,15		128,1
87			62,96	61,68	62,79	63,74	63,63	63,62	75,13	66,21	66,51	67,69	68,44	73,25	67,63	73,45	76,65		125,9
122			64,32	65,93	65,47	64,51	66,40	68,29	70,88	73,17	74,21	73,05	76,19	72,37	69,92	73,59	74,58		129,2
125			63,52	64,27	63,66	63,29	64,51	65,22	66,13	67,42	71,65	68,88	69,56	78,87	74,66	74,16	72,22		126,9
162			64,99	62,13	61,26	62,42	63,87	64,16	65,61	67,82	67,71	68,74	66,74	69,55	68,71	71,55	68,54		125,4
222			65,24	66,49	61,65	64,12	64,99	66,11	65,22	67,68	68,53	69,48	71,86	78,66	69,58	69,55	68,74		126,6
257			58,96	59,19	57,19	56,49	58,88	59,27	62,95	61,67	63,48	63,96	63,59	63,59	60,94	61,45	63,29		120,1
315			58,63	56,55	64,25	59,53	58,91	57,24	58,55	60,29	60,13	61,86	59,82	61,51	64,93	64,42	64,99		119,2
422			58,79	62,16	64,14	64,49	63,67	61,29	59,69	60,59	60,29	62,08	63,87	67,23	69,89	68,74	65,27		123,1
522			62,57	65,24	66,22	67,31	66,33	65,14	65,34	65,32	65,84	65,82	68,13	76,56	71,72	69,60	67,38		126,2
632			65,62	68,42	69,41	72,65	69,14	69,12	69,26	69,23	69,78	70,39	70,83	72,28	71,94	68,82	69,63		128,9
822			66,35	69,68	71,89	71,44	69,82	69,11	69,96	70,37	70,23	71,91	71,33	72,51	69,83	67,47	69,14		129,7
1022			65,74	69,62	71,62	69,54	70,82	68,15	69,89	69,45	69,25	69,71	69,78	71,37	69,28	67,55	69,35		128,9
1257			66,24	69,76	72,89	73,49	73,17	71,32	69,12	70,61	70,97	72,16	73,13	72,74	70,44	68,36	68,34		131,8
1522			68,45	73,27	76,52	75,83	76,39	74,65	73,67	74,19	73,95	75,15	75,45	75,98	71,83	70,19	71,69		134,3
2022			66,47	71,86	75,96	73,54	73,93	72,19	73,14	71,93	72,46	73,54	73,86	74,27	70,61	69,78	70,67		132,7
2537			68,88	76,59	75,96	77,92	77,74	76,82	77,55	79,24	77,82	77,68	75,88	76,91	73,88	69,83	73,89		136,7
3122			71,59	78,92	79,54	82,32	81,22	80,25	79,88	79,72	80,36	81,12	79,13	81,19	76,32	74,87	77,86		142,3
4022			77,61	82,53	87,28	87,02	89,49	88,82	84,38	86,97	87,82	87,96	85,74	88,83	81,73	86,27	81,91		147,9
5022			67,95	76,96	75,63	76,24	76,99	75,94	78,72	76,39	79,84	79,24	77,64	77,75	74,48	72,77	73,29		138,6
6307			71,27	77,66	77,26	78,51	79,54	78,58	79,77	78,67	80,65	80,97	80,82	80,46	76,35	71,15	75,56		141,4
8022			69,26	76,55	79,28	78,77	77,95	77,38	82,31	76,72	78,88	77,95	75,97	79,98	74,91	73,82	73,89		141,8
10282			67,49	75,66	76,26	75,91	75,81	74,62	73,51	73,61	75,48	74,28	75,97	77,76	73,88	69,45	73,95		141,1
MEASURED OASPL			83,69	89,46	91,42	91,31	92,86	92,89	90,41	91,82	92,83	92,35	92,94	92,66	88,18	87,28	89,88		
CALCULATED OASPL			82,18	87,91	90,15	90,25	91,65	90,87	89,86	90,84	90,85	91,13	89,64	91,39	87,86	86,15	87,83		
PNDB			97,59	102,8	105,8	105,9	107,3	106,6	104,2	105,5	106,4	106,7	105,2	107,6	102,3	100,7	102,3		
																	OAPWL:		151,5

AMBIENT TEMP, 81,2d
WET-BULB TEMP, 67,2d
BAR, PRESSURE 29,27
ABS, HUMIDITY 12,66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-3

RUN# RDG# 9 SPEED=0021

RADIAL DISTANCE 25'

DATE: 6/30/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	4,6	10,2	2[illegible]	32,[illegible]	4[illegible],2	52,2	67,2	72,2	87,2	92,2	102,2	112,2	122,2	132,2	142,2	152,[illegible]	162,[illegible]	172,2	(PWL)
50			-,242	-,525	-1,92	-2,39	-3,21	-3,13	-2,88	-1,44	-2,66	-,616	-,515	1,089	-2,82	5,245	7,853		
63			-7,-8	-8,26	-4,45	-,722	-6,47	-5,63	-4,69	3,213	-3,85	[illegible]496	-1,89	-,265	3,896	4,919	6,862		
80			-6,9[illegible]	-6,29	-5,17	-4,23	-4,34	-4,35	-2,84	-1,76	-1,46	-,281	,4717	2,282	-,335	5,477	6,884		
100			-6,55	-5,24	-5,72	-6,86	-4,68	-2,88	-1,89	1,995	3,837	1,879	-,981	1,199	-1,26	2,423	3,485		
125			-5,31	-4,77	-5,17	-5,54	-4,33	-3,61	-2,72	-1,42	2,219	,8494	,7266	2,832	1,021	5,323	3,387		
160			-6,17	-5,63	-5,92	-4,26	-4,89	-2,99	-1,55	-,146	,5521	1,576	1,979	2,391	1,348	4,391	1,375		
200			-2,97	-1,72	-6,36	-4,17	-3,21	-2,10	-2,98	-,523	,4275	1,197	3,652	2,455	1,287	1,339	,5346		
250			-2,87	-2,44	-4,44	-5,23	-3,56	-2,34	-,879	,2363	1,858	2,329	1,966	1,989	-,696	-,179	1,667		
315			-2,6[illegible]	-4,28	-,378	-,721	-1,72	-3,39	-2,86	-,338	-,585	,4398	-1,61	,8883	4,353	3,734	,3384		
400			-5,56	-2,22	-,241	-,287	-,714	-3,29	-4,68	-3,78	-4,89	-2,29	-,589	2,846	5,515	4,384	,0665		
500			-4,54	-2,16	-1,38	-,292	-1,87	-1,76	-2,86	-2,69	-1,56	-1,58	,7295	3,162	4,316	1,884	-,816		
630			-4,59	-1,59	-,599	,2461	-,868	-,868	-,749	-,981	-,389	,3841	,8229	2,272	1,928	-1,19	-,379		
800			-4,26	-1,13	1,208	,4324	-,786	-,891	-,642	-,233	-,375	1,383	,7269	1,989	-,773	-3,13	-1,46		
1000			-3,92	-,837	1,968	-,114	,3641	-1,48	-,582	-,249	-,482	,9567	,1283	1,715	-,693	-2,12	,383		
1250			-5,56	-1,84	1,289	1,857	1,578	-,277	-2,48	-,993	-1,83	,5681	1,529	1,137	-1,16	-3,24	-3,26		
1600			-6,2[illegible]	-1,54	1,914	1,246	1,779	,8523	-1,54	-,412	-,655	,5451	,8419	,9694	-2,77	-4,42	-2,92		
2000			-8,32	-,932	1,165	,7468	1,138	-,659	,3455	-,868	-,337	,7448	,2683	1,472	-2,19	-3,82	-2,13		
2500			-7,62	,1[illegible]7	-,533	1,448	1,248	,3884	1,994	-1,26	,9184	1,188	-,815	,4117	-2,89	-7,47	-2,88		
3150			-8,13	-,843	-,185	,5925	1,489	,5292	-,647	-,889	,6363	1,387	-,591	1,[illegible]71	-3,41	-7,85	-2,66		
4000			-9,27	-4,34	,4865	1,4479	2,[illegible]18	1,946	-2,40	,2558	,9447	1,807	-1,13	1,[illegible]90	-3,15	-6,82	-4,96		
5000			-9,26	-,[illegible]285	-1,53	-,[illegible]510	-,169	-1,23	1,543	-,772	1,274	2,881	,4758	,5988	-2,68	-4,39	-3,86		
6300			-7,72	-1,32	-1,72	-,481	,9581	-,488	-,216	-,314	1,664	1,978	1,828	1,409	-2,64	-2,84	-3,43		
8000			-8,52	,7995	1,[illegible]17	-1,22	,1078	-,482	2,525	-1,66	,2972	,1617	-1,81	2,116	-2,80	-3,98	-4,78		
10000			-7,43	,7379	1,342	,0947	,0878	-,915	-1,41	-1,31	,5571	-,719	1,854	2,842	-1,84	-5,47	-,969		

AMBIENT TEMP, 91,28
WET-BULB TEMP, 67,28
BAR, PRESSURE 24,27
ABS, HUMIDITY 12,69

SCALE MODEL ACOUSTIC TEST T/C 6/28/69 R/C 6/29/69-3

RUN=2 RDO= 8 SPEED=6221

RADIAL DISTANCE 25R

DATE: 8/28/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	6.2	18.2	30.2	38.2	42.3	54.2	66.2	78.2	82.2	90.2	102.2	114.2	122.2	130.2	146.2	158.2	166.2	172.2	(PWL)
FREQ.																			
50			72.94	73.25	71.92	71.45	69.23	70.08	72.34	70.75	73.05	74.96	70.58	71.11	67.88	75.46	70.28		129.5
63			64.32	64.48	67.69	70.51	65.44	66.43	66.55	73.43	67.96	71.12	69.73	70.04	73.52	75.91	70.49		129.8
80			65.04	65.99	65.92	65.79	66.82	65.74	66.27	67.41	68.83	69.25	69.89	70.98	68.83	74.45	77.42		127.3
100			73.04	73.63	73.11	72.49	70.39	72.12	72.47	76.37	76.42	75.58	72.71	74.04	70.27	74.35	76.24		132.2
125			66.79	67.23	66.32	65.99	66.89	67.14	67.78	69.51	72.23	70.42	70.89	71.82	71.59	75.16	73.84		128.4
160			67.48	68.26	66.91	65.79	64.67	65.62	67.89	68.47	69.17	69.79	69.74	70.48	70.82	72.29	69.98		126.9
200			64.79	65.98	64.79	63.42	64.24	62.31	66.77	67.93	70.36	72.35	72.37	71.83	71.38	68.10	66.75		127.6
250			66.61	71.83	64.71	61.55	60.22	61.98	62.94	64.81	66.22	66.22	66.28	63.59	63.43	62.82	62.42		125.8
315			61.28	60.74	62.29	62.67	59.01	59.45	60.13	62.29	63.38	63.44	68.73	61.51	64.75	64.98	61.57		128.7
400			62.44	63.37	65.72	65.64	64.45	62.63	66.14	61.62	61.18	62.89	63.95	67.35	73.49	69.24	66.33		123.7
500			63.07	65.97	67.49	68.52	67.35	66.21	65.88	65.55	65.34	65.54	68.83	71.83	72.48	69.76	69.86		126.8
630			66.85	69.27	70.48	71.34	70.33	69.88	70.27	69.25	69.96	70.27	71.24	72.77	73.34	69.73	71.87		129.7
800			67.02	70.74	73.28	72.85	71.39	71.84	70.89	71.39	71.92	72.97	72.72	73.49	74.47	68.37	69.91		130.9
1000			67.38	71.28	74.17	73.91	73.81	70.36	70.21	71.37	71.49	73.82	72.43	72.71	71.56	68.28	69.21		130.9
1250			66.84	69.76	73.32	74.61	73.66	71.66	70.19	71.14	71.22	72.82	72.33	72.35	71.58	68.68	70.38		131.4
1600			68.52	73.16	76.67	77.38	77.84	75.44	74.16	75.34	74.82	75.58	76.89	75.22	72.36	70.65	72.44		135.1
2000			67.75	73.33	75.41	76.65	75.97	73.48	74.17	73.49	74.53	75.24	74.66	76.07	71.99	69.88	70.87		134.1
2500			69.14	77.17	75.84	78.18	78.45	77.32	78.44	76.25	78.26	78.76	77.48	78.12	74.17	68.77	74.86		137.4
3150			72.25	79.53	84.46	81.34	82.13	80.46	82.35	80.66	81.75	81.88	80.81	80.85	76.98	71.69	76.99		141.1
4000			78.65	82.74	89.38	89.24	91.84	89.61	85.96	88.71	88.22	87.69	87.21	86.86	82.71	82.18	82.17		148.9
5000			68.21	76.86	76.69	77.48	77.79	76.95	79.33	78.83	79.62	79.88	78.32	77.16	74.66	72.47	73.18		139.3
6300			71.93	78.58	78.61	80.33	81.88	80.72	82.88	83.86	83.28	84.39	82.28	81.29	77.76	78.89	76.83		143.9
8000			69.18	78.79	79.91	79.41	78.92	77.17	80.97	78.58	88.84	79.58	78.84	78.88	74.18	73.43	73.51		142.9
10000			68.19	75.79	78.82	77.69	75.78	74.34	74.87	74.45	76.88	75.54	79.99	78.48	73.82	69.19	73.38		142.4
MEASURED OASPL			85.81	90.84	93.45	93.36	94.38	93.82	91.83	92.97	93.17	93.23	92.69	92.34	89.28	86.29	89.78		
CALCULATED OASPL			83.91	88.67	91.85	91.87	93.84	91.73	90.49	91.72	91.89	91.96	91.31	90.96	87.99	87.87	88.92		
PNDB			96.93	103.5	107.6	107.5	108.7	107.4	105.6	107.2	107.3	107.2	106.7	106.4	103.2	101.8	102.7		

OAPWL: 132.7

AMBIENT TEMP, 81.00
WET-BULB TEMP, 67.00
BAR, PRESSURE 29.00
ABS, HUMIDITY 12.00

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-3

RUN## 4CG# 9 SPEED=0.15#

RADIAL DISTANCE 25d

DATE: 6/28/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FRE.	ANGLES FROM INLET 16,2	32,4	48,6	64,8	81,0	97,2	113,4	129,6	145,8	162,0	178,2	194,4	(PWL)
5	1,196	1,493	,1677	-,643	-2,53	-1,67	-1,41	-1,67	-1,72	-,789	-1,17	-,645	-4,67	3,764	6,551
6	-6,83	-6,66	-4,46	-,542	-5,71	-4,72	-4,59	2,262	-3,18	-,832	-1,42	-,263	2,372	4,766	7,349
8	-3,79	-3,57	-3,17	-3,98	-3,35	-3,63	-3,29	-1,96	-1,34	-,117	,9291	1,534	-1,34	5,078	8,855
10	-,472	-,472	-,994	-2,62	-3,71	-1,99	-1,64	2,259	2,316	1,398	-1,39	,5292	-3,84	,4465	2,138
125	-3,48	-3,44	-3,96	-4,68	-4,19	-3,13	-2,52	-,767	1,948	,1462	,6166	1,547	1,317	4,879	3,567
16	-1,65	-,472	-1,82	-2,24	-4,66	-2,91	-1,64	-,259	,4332	1,867	1,886	1,731	1,291	3,559	1,245
20	-4,44	-3,65	-4,45	-4,02	-4,98	-3,93	-2,47	-1,38	1,126	3,188	3,329	2,594	2,863	-,878	-2,48
25	2,636	6,454	-,665	-3,02	-5,16	-3,47	-2,43	-1,37	,8421	1,839	,8279	,2188	-1,94	-3,36	-2,95
31	-,691	-1,44	,1239	-,171	-2,39	-2,73	-2,64	,1152	1,285	1,265	-1,42	-,664	2,373	2,727	-,883
40	-4,61	-1,08	,6722	,1969	-,998	-3,62	-4,91	-4,63	-3,87	-2,16	-1,29	2,363	3,444	4,187	1,279
50	-4,32	-2,41	-,491	,5337	-,538	-1,78	-2,11	-2,44	-2,65	-2,45	,8386	3,245	4,494	1,773	1,677
63	-3,91	-1,49	-,279	,7843	-,434	-,683	-,494	-1,51	-,881	-,469	,4799	2,812	2,975	-1,83	,3111
80	-4,23	-1,11	1,428	,8038	-,402	-,829	-,953	-,455	,338	1,123	,8719	1,597	-,184	-3,48	-2,34
100	-4,31	-,492	2,476	-,182	,1228	-1,33	-1,48	-,318	-,194	1,333	,7397	1,818	-,133	-3,41	-2,48
125	-5,27	-2,15	1,416	2,398	1,746	-,247	-1,71	-,766	-,691	,1146	,4227	,4588	-,324	-3,83	-1,61
160	-6,98	-2,24	1,264	2,172	2,439	,2371	-1,25	-,202	-,583	,8986	,6964	-,184	-3,84	-4,75	-2,98
200	-6,42	-,842	1,238	,8844	1,482	-,886	,2286	-,669	,3007	1,871	,4921	,4988	-2,17	-4,34	-3,38
250	-8,86	-,221	-1,25	,9952	1,258	,1128	1,252	-,942	1,873	1,975	,2158	-1,87	-3,82	-8,41	-3,13
315	-8,29	-1,61	-,269	,8294	1,681	-,873	-,479	,1239	1,214	1,349	,2778	,3161	-3,63	-8,84	-3,55
400	-9,62	-5,13	1,918	1,177	3,179	1,744	-1,92	,8408	,3587	-,168	-,659	-,962	-8,16	-5,69	-5,69
500	-9,61	-,961	-1,12	-,339	-,772	-,867	1,811	,2137	1,885	2,861	,4996	-,859	-3,16	-5,34	-4,84
630	-9,52	-2,95	-2,84	-1,12	-,369	-,729	,8288	1,887	1,749	2,938	,7511	-,159	-3,69	-10,5	-4,82
800	-9,74	-,853	1,264	,5973	,8786	-1,68	2,121	-,268	1,195	,7285	-,818	,8276	-2,67	-5,42	-5,53
1000	-8,21	-,421	1,811	1,893	-,426	-1,87	-2,13	-1,76	-,122	-,649	3,788	2,274	-2,39	-7,02	-2,72

AMBIENT TEMP, 81,0F
WET-BULB TEMP, 67,8F
BAR, PRESSURE 29,28
ABS, HUMIDITY 12,6G

SCALE MODEL ACOUSTIC TEST T/U 6/28/69 R/D 6/29/69-3

RUN#2 ADJ= 9 SMBBL=615.

RADIAL DISTANCE 25ø

DATE: 8/28/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	4,0	10,2	22,7	30,2	42,2	5..?	67,?	72,2	5?,?	92,2	100.2	112,2	122,2	132,2	142,2	152,2	160,2	170,0 (PWL)
5?			72,69	74,46	74,12	69,24	49,46	72,88	69,79	70,19	69,92	71,11	71,29	72,98	68,27	77,69	79,82	129,9
63			64,22	65,64	66,96	72,67	65,94	67,90	67,47	73,59	68,52	71,93	73,52	72,26	74,08	77,30	76,93	129,8
8?			63,73	64,15	64,93	65,66	65,86	66,43	67,53	68,35	68,42	69,42	72,89	72,34	74,27	76,31	78,99	128,4
127			72,49	73,69	72,79	72,09	68,84	69,96	72,71	76,13	73,96	75,28	72,98	73,62	73,38	76,54	77,69	131,8
125			65,81	66,74	66,52	65,72	64,49	68,62	69,21	71,19	72,57	71,91	72,34	73,31	73,39	77,14	74,92	129,7
167			64,09	64,28	65,48	64,79	65,87	66,71	68,82	68,98	69,71	70,47	71,88	72,19	71,97	74,48	71,92	127,9
200			63,21	64,25	63,49	64,72	63,46	64,84	65,92	68,36	68,59	70,86	71,48	71,98	71,88	70,47	69,85	126,9
252			61,88	64,91	64,21	62,53	59,86	60,95	62,42	63,86	65,46	66,71	66,76	66,66	64,46	64,49	66,44	122,9
315			59,81	59,35	62,19	61,36	59,87	58,52	58,89	60,59	61,31	62,68	61,77	62,99	60,36	66,35	61,91	120,7
402			61,29	65,08	65,65	65,80	64,28	63,56	63,86	62,42	63,17	63,82	65,89	69,36	72,12	70,85	66,35	125,1
503			65,18	67,74	68,12	69,39	67,93	67,72	67,87	67,71	67,82	67,45	70,87	72,93	73,93	71,48	68,72	128,4
632			67,86	69,83	70,89	72,14	71,22	71,14	71,72	71,67	71,37	72,06	72,79	74,18	74,72	71,97	71,33	131,1
822			68,13	71,37	73,46	72,69	71,39	71,98	71,23	71,92	71,98	73,81	73,87	73,76	72,47	70,97	70,86	131,5
1?2?			67,97	71,98	74,55	71,31	71,78	69,92	69,79	69,91	70,54	72,36	72,58	71,68	71,56	70,51	71,06	130,8
1252			67,54	71,15	73,36	74,09	74,38	72,61	71,71	74,16	72,68	72,82	73,75	73,33	71,71	69,47	69,92	132,5
1522			70,25	74,32	77,25	77,77	77,99	75,44	74,97	76,52	75,79	76,33	77,72	77,82	73,26	71,52	72,07	135,8
2202			68,26	73,51	75,26	74,64	75,18	72,55	73,27	72,62	73,59	74,49	74,88	71,44	72,08	71,89	72,84	133,8
2502			76,66	77,34	76,36	78,22	77,87	76,38	6,83	76,27	76,26	78,72	77,89	76,74	74,87	69,79	73,46	137,2
3152			72,99	79,78	79,67	80,36	81,16	78,99	78,88	80,99	81,85	81,53	82,56	82,12	76,68	72,33	77,52	140,5
4?22			77,62	81,25	80,77	85,48	86,44	85,85	83,94	84,69	84,19	85,51	33,52	86,88	80,22	81,84	80,77	146,4
5222			69,77	77,58	76,88	77,22	77,99	76,47	76,89	78,83	79,51	79,26	78,25	77,69	74,75	73,96	73,67	139,2
63?2			74,82	79,80	79,23	81,19	82,43	79,83	81,62	81,76	85,72	82,19	83,07	81,39	78,28	72,29	77,46	144,3
8722			78,39	79,77	78,79	78,43	78,48	79,48	78,54	78,15	80,46	78,19	78,82	79,49	79,66	73,95	73,29	142,3
10202			78,45	77,17	75,93	75,12	75,41	73,32	73,88	75,23	76,13	75,39	88,38	88,49	74,32	69,07	73,59	142,5
MEASURED OASPL			84,73	98,14	91,74	91,51	82,88	98,58	96,74	92,69	92,39	92,11	82,19	92,07	89,28	89,43	98,36	
CALCULATED OASPL			83,79	88,68	98,38	96,19	91,57	89,37	89,33	98,78	91,19	98,78	96,79	91,39	87,92	88,64	89,89	
PNDB			98,32	102,9	105,9	105,4	197,1	104,9	104,3	106,1	105,3	105,9	105,1	106,6	102,3	102,2	102,4	

OAPWL: 151,7

AMBIENT TEMP, 81,00
WET-BULB TEMP, 67,00
BAR, PRESSURE 29,00
ABS, HUMIDITY 12,60

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-3

RUN=2 RDS=12 SPEED=6437

RADIAL DISTANCE 252

DATE: 8/28/69

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50			-.825	.3322	-2.88	-2.06	-2.66	-1.24	-2.33	-1.93	-2.22	-1.61	-.836	.8801	-3.85	4.967	7.891		
63			-7.77	-6.95	-5.83	-1.93	-4.88	-4.93	-4.59	1.695	-3.47	-.861	-1.49	.2655	2.882	5.389	7.933		
80			-6.74	-4.32	-5.53	-5.18	-4.81	-4.83	-2.94	-2.12	-2.87	-.882	.4924	2.077	-.282	5.886	8.529		
100			-4.29	-.678	-.978	-3.89	-4.94	-1.82	-1.87	2.351	1.798	1.499	-.709	-.194	-.302	2.761	5.918		
125			-5.71	-4.78	-4.99	-5.79	-5.82	-3.49	-2.31	-.319	1.855	.4894	.8835	1.707	1.871	5.882	3.489		
160			-5.81	-3.43	-4.23	-4.72	-4.84	-3.88	-1.69	-.725	-.882	.7613	1.377	2.491	2.269	4.748	2.217		
200			-5.41	-4.37	-5.13	-3.78	-5.16	-1.78	-2.69	-.257	-.822	1.444	2.868	3.366	2.465	1.849	1.236		
250			-2.69	.4488	-.288	-4.13	-5.30	-3.91	-2.85	-1.38	1.826	2.882	2.897	2.861	-.888	.8884	1.986		
315			-2.28	-2.74	.1885	-.532	-2.43	-3.59	-3.28	-1.58	-.786	.9932	-.317	.8998	4.273	4.262	-.186		
400			-5.14	-1.36	-.785	-.544	-2.15	-2.68	-3.37	-4.92	-3.27	-2.63	-.948	2.045	3.663	4.416	.2148		
500			-4.36	-1.88	-1.42	-.135	-1.82	-1.82	-1.67	-1.83	-1.73	-2.89	.8836	3.384	4.384	1.834	-.821		
630			-4.29	-2.35	-1.27	-.818	-.941	-1.82	-.437	-.493	-.786	.7648	.6868	2.886	2.942	-.905	-.824		
800			-4.26	-1.82	1.683	.8076	-1.81	-.898	-1.19	-.469	.4164	1.418	1.673	1.394	.8884	-1.82	-1.83		
1000			-3.68	.4981	2.978	-.858	.2188	-1.65	-1.77	-1.66	-1.82	.7062	1.446	.2830	-.889	-1.86	.8944		
1250			-5.46	-1.87	.3384	1.881	1.867	-.486	-1.31	1.141	-.216	-.818	.7348	.8188	-2.38	-3.95	-3.89		
1600			-5.69	-1.82	1.184	1.429	1.448	-.785	-1.18	.3774	-.348	.8847	1.873	.8786	-2.88	-4.43	-4.87		
2000			-5.97	-.319	1.483	.8176	1.386	-1.27	-.893	-1.21	-.837	.8894	1.198	.8143	-1.92	-2.83	-1.78		
2500			-6.91	.3483	-.889	1.438	.8881	-.868	-.942	-.783	1.388	1.748	.8848	-.198	-2.88	-7.18	-3.81		
3150			-6.97	-.188	-.287	.8884	1.189	-.877	-1.88	1.888	1.891	1.972	.8817	.1886	-3.88	-7.83	-2.25		
4000			-8.23	-4.81	1.517	.2238	3.184	.9911	-1.31	1.436	-1.87	.2491	-1.74	1.483	-8.84	-3.88	-4.49		
5000			-7.94	-.138	-.918	-.497	.8788	-1.85	1.174	.2182	1.789	1.942	.8888	-.881	-2.87	-3.78	-4.84		
6300			-6.98	-2.74	-2.38	-.699	.8895	-1.97	-.182	-.846	3.918	.8849	2.188	-.411	-3.52	-8.81	-4.38		
8000			-7.86	1.519	.9481	-1.89	1.448	-2.74	.2848	-.184	2.212	-.858	.9784	.8884	-2.38	-3.71	-4.87		
10000			-5.89	.8187	-.413	-1.23	-.984	-3.82	-2.87	-1.11	-.816	-.988	1.838	2.148	-2.82	-8.48	-8.74		

B11

AMBIENT TEMP, 81.88
WET-BULB TEMP, 67.88
BAR. PRESSURE 29.86
ABS. HUMIDITY 12.46

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 8/29/69-8

RUN=2 RDS=19 SPEED=6437

RADIAL DISTANCE 25z

DATE: 9/ 3/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	16.2	24.	32.2	40.2	48.2	56.2	64.2	72.2	80.2	88.2	96.2	104.2	112.2	120.2	128.2	136.2	144.0 (PWL)
FREQ.																	
50		72.65	72.63	71.42	74.47	74.87	74.22	74.12	71.47	71.21	71.76	72.55	73.88	68.43	77.01	96.55	138.5
63		67.26	66.38	67.16	70.44	66.61	67.24	66.42	74.43	69.79	72.18	72.75	72.88	74.23	78.31	88.49	138.5
80		66.97	67.21	67.34	67.72	67.12	67.18	66.29	69.65	69.37	74.46	71.68	73.21	72.89	77.12	78.57	129.2
100		71.99	72.47	72.34	71.37	69.42	69.74	72.26	74.22	73.78	73.23	73.18	74.24	73.89	77.43	77.86	131.5
125		67.76	68.26	68.19	67.19	67.36	66.48	78.84	71.62	73.56	72.53	74.46	74.56	74.27	77.87	75.96	130.6
160		65.62	67.28	65.79	65.68	66.22	67.19	66.71	69.79	78.59	71.74	72.37	73.09	72.53	74.76	73.13	128.8
200		65.46	65.98	64.74	65.72	65.37	66.37	67.87	78.24	78.89	72.85	72.27	72.45	71.66	78.24	78.65	128.2
250		64.99	65.77	63.16	61.62	62.47	63.74	65.23	66.65	67.78	68.84	68.82	68.87	65.34	65.31	66.41	124.7
315		62.27	96.84	62.97	62.35	60.99	61.82	63.92	63.78	64.49	64.72	63.89	63.59	67.56	68.18	63.61	122.5
400		63.65	63.57	65.96	65.74	64.93	62.59	61.69	63.66	63.16	65.31	66.87	78.46	73.28	72.41	66.58	125.9
500		66.89	66.95	68.76	69.84	68.97	67.16	67.22	66.68	67.13	67.79	78.99	73.79	74.62	72.68	78.36	128.8
630		68.86	69.89	71.57	73.64	71.89	71.25	71.87	72.65	71.72	73.28	74.84	75.80	75.63	72.69	72.57	131.8
800		69.35	71.52	74.18	73.62	72.91	72.44	72.22	72.65	72.96	74.53	78.84	74.76	74.59	71.19	71.86	132.4
1000		68.12	73.21	75.42	73.84	73.56	71.78	71.76	72.85	72.88	73.88	74.49	72.95	72.62	78.62	71.81	132.4
1250		68.68	71.14	74.23	74.72	74.29	73.23	71.36	72.17	72.62	73.29	73.88	74.81	73.23	71.22	71.22	132.7
1600		72.72	72.83	77.88	77.92	78.26	76.49	74.79	75.63	75.84	76.35	78.87	77.81	74.84	72.99	73.26	136.1
2000		68.41	75.49	77.46	76.68	77.82	75.13	75.41	74.59	75.61	76.47	76.33	75.62	75.12	72.19	72.22	135.5
2500		68.72	75.46	74.75	77.88	78.32	78.17	79.83	76.71	78.78	79.35	78.58	77.55	75.31	78.74	74.89	137.8
3150		72.98	88.48	81.29	82.37	82.48	81.49	88.24	81.22	82.26	82.53	82.86	81.39	77.76	73.23	78.44	141.8
4000		78.38	92.51	88.65	88.89	89.77	89.66	85.75	87.19	86.59	85.44	85.68	86.84	82.89	82.83	81.82	147.9
5000		72.26	78.12	78.95	78.95	78.63	79.19	80.17	79.84	80.87	84.38	79.85	79.88	76.38	75.39	74.94	148.7
6300		73.32	79.14	79.93	83.18	81.88	81.95	80.92	85.99	86.15	86.45	85.45	83.65	79.47	72.88	78.27	145.9
8000		69.71	79.69	96.33	78.79	79.43	78.24	80.68	79.36	80.88	79.58	80.87	80.45	76.89	75.87	74.99	143.4
10000		67.27	75.38	77.16	75.73	75.86	75.17	75.18	75.95	77.81	76.64	79.52	79.67	75.38	78.31	73.39	142.8
MEASURED OASPL		85.55	90.26	93.17	92.85	93.87	93.37	91.73	93.15	93.49	93.34	93.48	93.39	90.29	90.26	91.81	
CALCULATED OASPL		84.14	88.89	91.81	91.47	92.48	92.23	90.51	91.92	92.25	92.09	92.85	92.85	89.86	89.81	89.83	
PNDB		99.29	103.6	127.4	126.7	105.3	107.9	105.7	106.8	106.9	106.5	106.7	107.2	103.7	103.3	103.3	

OAPWL: 152.9

AMBIENT TEMP, 91.00
WET-BULB TEMP, 67.20
BAR. PRESSURE 29.00
ABS. HUMIDITY 12.60

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/D 9/3/69-3

RUN#2 NDB=11 SMEGU=65.2

RADIAL DISTANCE 25'

DATE: 9/3/69

PAGE: 2

SOUND PRESSURE LEVELS, DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET: 0	16,8	2	32,2	47,2	62,2	72,8	87,2	92,2	107,2	110,8	122,8	132,8	142,2	150,2	160,8	170,8	(PWL)
50			-,401	,6841	-1,72	-2,27	-2,87	-2,23	-2,62	-1,67	-1,53	-,981	-,195	,3379	-4,31	4,804	7,849	
63			-5,34	-6,22	-5,44	-4,25	-5,99	-5,36	-4,18	1,435	-2,81	-,497	-,847	,2841	1,685	5,711	7,889	
80			-4,64	-3,99	-3,67	-3,92	-4,89	-4,23	-3,12	-2,16	-1,84	-,749	,4743	2,263	-,311	5,891	7,758	
100			-1,45	-,965	-1,68	-2,67	-4,82	-3,69	-1,18	,7842	,3483	-,248	-,332	,8885	,4917	3,989	4,421	
125			-4,64	-4,17	-4,23	-5,23	-5,86	-3,94	-2,39	-,628	1,133	,1876	1,234	1,938	1,848	5,443	5,942	
160			-4,73	-3,26	-4,75	-5,64	-4,32	-3,35	-1,84	-,756	,8449	1,193	1,821	2,547	1,984	4,219	2,598	
200			-4,34	-3,86	-5,12	-4,12	-4,47	-3,47	-1,97	,2814	,7562	2,211	2,434	2,614	1,817	1,898	,8126	
250			-1,27	-,494	-3,11	-3,66	-3,79	-2,93	-1,23	-,216	1,515	2,981	2,956	1,802	-,924	-,956	,1489	
315			-1,63	-3,26	-,952	-1,28	-2,91	-2,98	-1,99	-,118	,5883	,7999	-,887	-,384	3,059	4,288	-,888	
400			-4,17	-3,66	-1,29	-1,91	-2,32	-4,66	-5,56	-4,18	-4,89	-1,93	-,376	3,214	0,831	5,128	1,334	
500			-3,11	-3,66	-1,25	-,377	-1,83	-2,84	-2,79	-3,13	-2,88	-2,22	,9893	3,779	4,887	2,674	,3519	
630			-4,13	-2,91	-1,23	,8398	-,999	-1,55	-,929	-2,15	-1,89	,4889	1,234	2,289	3,827	-,187	-,232	
800			-3,94	-1,78	,8859	,5361	-,783	-1,25	-1,87	-,645	-,329	1,233	1,758	1,469	,3835	-2,89	-2,23	
1000			-5,61	,2783	2,291	,7139	,4315	-1,36	-1,37	-,282	-,255	,6745	1,364	-,183	-,915	-2,92	-2,12	
1250			-4,14	-2,27	1,212	1,562	1,789	,8184	-1,86	-1,24	-,611	,8745	,6488	1,598	,8141	-2,81	-1,99	
1600			-5,66	-3,55	1,424	1,224	1,888	,1162	-1,58	-,752	-,539	-,826	1,691	1,234	-2,33	-3,39	-3,12	
2000			-7,18	-,137	1,481	1,441	1,435	-,453	-,172	-,989	,3385	,8922	,7581	,8324	-2,46	-3,39	-3,36	
2500			-8,84	-2,99	-2,81	-,481	,7585	,8852	1,465	- 848	1,139	1,784	1,817	-,889	-2,25	-8,82	-2,87	
3150			-8,27	-,774	,8522	1,169	1,236	,2584	-1,81	-,829	1,887	1,281	,8187	,1425	-3,49	-8,82	-2,81	
4000			-8,46	-4,31	1,828	,8916	2,946	2,837	-1,88	,3889	-,233	-3,49	-1,22	,8183	-0,73	-3,99	-5,81	
5000			-8,96	-1,09	-,282	-,269	,4156	-,826	,9535	-,169	1,659	1,169	,8347	-,134	-2,91	-3,82	-4,27	
6300			-14,2	-4,39	-3,59	-,331	-1,71	-1,58	-2,61	2,467	2,628	2,918	1,921	,1221	-4,86	-10,7	-5,26	
8000			-9,67	-,301	,9389	,4249	,6485	-1,15	,6988	-,831	1,497	,1891	,8777	1,898	-2,49	-4,32	-4,69	
10000			-9,42	-1,37	,4963	-,952	-,814	-1,91	-1,49	-,817	1,143	-,832	2,848	3,388	-1,37	-8,36	-3,27	

AMBIENT TEMP, 71,28
WET-BULB TEMP, 67,28
BAR, PRESSURE 29,20
ABS, HUMIDITY 126,98

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN#2 RC3#11 SPEED=6582

B13

RADIAL DISTANCE 25

DATE: 9/23/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.2	21.2	30.2	41.2	52.7	67.2	78.7	83.7	92.8	102.8	118.8	128.8	132.4	142.2	152.7	162.2	178.8	(PWL)
50			71.42	71.55	74.63	68.50	68.83	76.62	74.48	72.77	71.39	72.52	73.53	74.35	69.83	79.17	82.31		131.2
63			66.49	67.75	66.46	70.26	69.31	68.88	69.32	73.79	72.77	73.59	73.59	74.95	74.86	79.98	82.66		131.8
80			66.32	68.93	69.38	69.69	69.86	69.83	69.89	72.77	71.22	72.62	73.92	75.21	72.96	79.85	81.62		131.1
100			66.73	69.68	68.97	68.95	69.37	70.64	72.26	73.44	73.91	73.98	75.45	76.45	75.67	79.99	82.22		132.3
125			66.92	69.84	68.57	68.39	69.65	72.54	73.94	76.71	77.88	74.48	75.79	78.53	77.01	80.88	79.49		133.9
160			64.36	66.39	66.82	66.19	67.48	66.43	69.92	71.84	71.96	73.32	74.25	75.19	75.87	77.39	76.78		130.7
200			64.99	66.26	65.36	66.39	66.96	67.19	68.67	70.66	71.48	73.18	73.88	74.25	74.31	74.16	74.33		129.7
250			64.55	64.44	62.86	64.28	63.64	64.52	66.94	67.59	70.97	74.89	73.58	74.29	71.99	71.25	72.43		129.1
315			62.51	61.69	54.42	63.00	62.98	62.16	63.42	64.36	65.31	66.78	66.62	66.19	69.34	69.94	66.66		124.1
400			64.62	65.19	66.95	67.73	67.39	65.17	64.36	65.69	65.14	67.49	69.26	72.26	75.89	74.21	69.97		127.9
500			67.69	68.37	69.49	72.36	70.76	69.96	69.56	69.28	69.41	70.18	72.69	75.26	76.54	74.98	72.39		130.8
630			68.62	71.23	72.84	73.91	73.48	72.92	73.59	73.65	74.87	74.95	75.78	77.21	77.68	76.76	73.87		133.4
800			69.86	72.34	73.59	73.46	72.38	72.44	73.25	73.77	74.88	75.79	76.84	78.55	78.18	78.39	73.11		133.6
1000			68.83	73.12	74.12	72.89	71.48	70.32	71.84	72.92	73.82	74.21	75.28	74.64	74.52	72.97	72.44		132.5
1250			68.51	71.41	73.34	73.07	75.27	74.08	72.81	72.25	72.53	73.72	73.98	73.98	73.12	71.12	76.72		132.7
1600			68.89	73.18	76.32	76.99	77.87	75.69	74.49	75.71	75.68	76.96	77.97	77.13	73.68	72.16	71.91		135.7
2000			68.18	74.58	75.43	75.16	74.37	72.96	74.36	73.89	74.49	75.61	76.98	76.88	73.34	72.48	71.84		134.8
2500			69.23	77.66	75.39	76.27	78.23	77.34	78.51	76.52	78.15	79.61	78.53	76.37	73.64	69.88	71.96		137.5
3150			72.88	80.58	80.39	81.81	81.36	80.82	82.39	81.28	81.44	82.79	82.35	81.31	78.17	73.32	77.88		141.4
4000			77.89	85.12	88.28	86.49	86.47	86.39	87.47	87.92	85.48	84.69	84.40	84.08	81.31	83.31	86.96		147.4
5000			73.92	82.89	83.48	82.49	83.87	83.89	84.21	83.67	82.66	82.34	81.59	81.09	78.97	79.46	77.11		144.8
6300			72.59	78.84	79.21	82.54	82.86	81.18	82.64	85.46	87.81	84.97	85.77	83.84	84.84	82.74	78.18		145.6
8000			72.36	80.44	79.47	80.24	79.92	79.45	79.79	79.96	81.89	82.33	83.66	83.29	77.84	75.64	75.48		144.8
10000			66.38	77.11	76.27	77.59	77.47	77.18	76.38	77.38	79.13	79.96	81.59	82.13	77.66	72.38	73.26		144.6
MEASURED OASPL			85.82	91.38	92.96	92.93	93.41	93.21	92.94	93.92	93.94	94.88	94.22	93.88	91.49	91.99	92.35		
CALCULATED OASPL			84.62	92.31	91.72	91.19	92.22	92.43	91.74	92.65	92.61	92.41	92.84	92.39	90.18	90.67	91.87		
PNDB			96.95	105.3	107.2	106.4	107.7	107.4	107.2	107.6	106.7	106.6	106.8	106.4	104.8	104.2	103.4		
																		CAPPLI	153.5

AMBIENT TEMP, 81.00
WET-BULB TEMP, 67.00
BAR. PRESSURE 29.00
ABS. HUMIDITY 12.00

SCALE MODEL ACOUSTIC TEST T/S 8/28/69 R/E 9/3/69-3

RUN=2 RDG=17 SPEED=6927

B14

RADIAL DISTANCE 25A

DATE: 9/23/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	16,2	2?,?	32,2	48,2	64,?	80,2	96,2	112,2	128,2	144,2	160,?	176,2 (PWL)
57		-1,99	-1,07	-3,39	-4,23	-4,59	-3,41	-2,94	-2,05	-2,03	-,895	,1166	,9355	-3,59	5,757	8,895	
63		-7,49	-6,23	-5,52	-3,42	-5,06	-5,09	-4,66	-,191	-3,21	-,387	-,384	,9773	,6874	6,281	8,681	
87		-4,08	-4,26	-3,88	-4,09	-4,11	-4,15	-3,29	-2,42	-1,97	-,566	,7387	2,029	-,222	5,868	7,834	
122		-5,51	-5,16	-5,28	-5,09	-4,88	-3,59	-1,99	-,882	-,338	-,261	,2272	2,269	1,425	5,732	5,977	
125		-6,85	-6,72	-7,19	-7,35	-6,17	-3,21	-1,82	,9521	2,124	-1,35	,6432	2,761	1,261	5,128	3,747	
167		-8,67	-6,64	-6,42	-6,44	-4,94	-3,99	-2,52	-1,39	-,925	,8942	1,825	2,771	2,647	4,968	4,357	
222		-6,39	-5,12	-6,22	-4,19	-5,82	-4,19	-2,78	-,778	,0239	1,799	2,428	2,675	2,929	2,763	2,948	
250		-6,25	-6,16	-7,74	-6,32	-6,96	-6,28	-3,67	-3,91	,3675	4,289	2,982	3,668	1,389	6,694	1,833	
315		-3,83	-3,85	-1,12	-1,85	-2,56	-3,38	-2,12	-1,18	-,232	1,238	1,875	,8521	3,598	3,995	,5513	
420		-5,16	-3,98	-2,22	-1,43	-1,78	-3,99	-4,87	-4,88	-4,82	-1,67	,8994	3,894	5,934	5,246	,8271	
522		-4,29	-2,63	-2,58	,3695	-1,23	-2,63	-2,43	-2,79	-2,58	-1,82	,8955	3,266	4,949	2,988	,4833	
632		-5,67	-3,25	-2,45	-,878	-1,88	-4,56	-,864	-1,43	-,418	,4781	1,388	2,727	3,195	,2782	-,616	
830		-5,39	-1,92	-,672	-,863	-1,88	-2,22	-1,21	-,491	-,175	1,941	1,782	2,289	1,846	-,868	-1,15	
1222		-4,43	-,142	,8881	-,569	-1,78	-2,24	-1,42	-,338	-,237	,8528	2,828	1,581	1,258	-,588	-1,018	
1252		-4,74	-1,84	,8846	,4232	2,218	,8294	-1,24	-1,00	-,723	,4689	,7143	,7645	-,120	-2,13	-2,53	
1572		-7,89	-2,79	,3436	,5256	1,894	-,286	-1,48	-,272	-,376	,9778	1,998	1,149	-2,29	-3,82	-4,27	
2222		-6,59	-,115	,7342	,4678	-,323	-1,73	-,332	-,883	-,286	,9159	2,288	1,383	-1,39	-2,29	-2,85	
2522		-8,12	-,287	-1,94	,7253	,8878	-,886	1,166	-,839	,8877	2,268	1,187	-,968	-3,71	-8,34	-5,38	
3158		-8,12	-,413	-,888	,8896	,5659	-,179	-,681	,2789	,6486	1,797	1,352	,3158	-2,82	-7,67	-3,12	
4222		-8,41	-1,19	1,972	-,164	2,167	2,888	1,165	1,689	-,832	-1,61	-1,81	-2,25	-4,99	-2,89	-8,35	
5222		-9,88	-,469	,9166	-,485	1,313	1,327	1,851	1,115	,8975	-,219	-,867	-1,47	-3,59	-3,18	-8,45	
6322		-12,5	-4,29	-3,92	-2,28	-2,46	-1,95	-2,49	2,332	3,885	1,845	2,648	-,882	-3,89	-12,4	-5,82	
8222		-9,95	-,364	-1,33	-,568	-,888	-1,36	-1,81	-,844	1,888	1,919	3,854	2,491	-2,97	-3,16	-5,48	
12222		-14,1	-1,38	-2,22	-,892	-1,82	-1,31	-2,12	-1,11	,8332	1,468	3,896	3,635	-,835	-6,11	-9,23	

AMBIENT TEMP, 81,00
WET-BULB TEMP, 67,20
BAR, PRESSURE 29,20
ABS, HUMIDITY 12,69

SCALE MODEL ACOUSTIC TEST T/U 8/28/69 R/C 9/3/69-3

RUN=2 ADJ=12 SPEED=6987

RADIAL DISTANCE 25M

DATE: 9/23/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 10,2	24,2	36,2	48,2	60,2	72,2	84,2	96,2	108,2	120,2	132,0	144,0	156,0	168,0	178,8	(PWL)
57	71,21	71,29	74,47	65,39	64,59	69,92	74,61	72,28	74,08	73,19	73,67	75,08	78,23	80,55	83,68	131,9
63	69,22	69,92	69,44	71,58	69,46	72,69	76,98	77,78	75,89	73,84	74,55	76,86	75,12	81,41	84,62	133,4
87	73,58	73,74	72,59	72,39	71,49	73,41	74,61	71,74	72,17	73,37	74,58	76,16	73,45	79,95	83,14	132,6
108	67,64	67,98	68,14	66,29	69,74	73,44	72,39	73,48	73,49	74,27	75,14	77,29	75,98	80,48	82,89	132,7
125	69,99	70,15	72,38	69,89	70,96	72,64	75,86	77,64	77,52	75,82	76,14	80,77	77,46	81,12	79,99	134,9
162	65,25	67,29	66,21	66,45	67,68	69,14	72,79	71,59	72,38	74,84	74,51	75,82	75,44	78,49	78,73	131,2
197	65,44	66,66	65,65	65,49	66,49	67,48	68,72	71,99	71,49	73,21	73,69	74,84	74,61	74,51	72,39	129,9
252	63,28	63,28	61,69	62,43	63,46	64,92	68,61	67,66	69,66	75,77	75,88	75,36	73,76	72,46	71,84	129,2
315	61,27	63,28	64,99	64,29	63,47	62,38	63,22	65,17	65,57	67,14	66,89	66,48	66,99	68,71	66,89	124,2
402	64,12	67,49	67,55	66,42	67,79	65,91	64,71	66,29	65,66	66,42	69,81	72,95	75,84	73,63	69,31	128,4
502	68,32	70,45	70,38	72,51	70,64	70,31	70,88	70,64	70,19	70,86	73,27	76,04	76,69	74,89	73,11	131,3
632	69,18	71,69	72,45	73,93	74,34	73,60	73,99	73,97	75,85	75,61	76,36	78,83	78,89	74,61	73,82	134,8
802	68,87	71,59	74,29	73,31	73,85	74,61	74,36	74,65	75,58	76,64	76,89	77,69	76,72	73,44	73,61	134,3
1002	67,16	69,98	72,39	72,34	72,34	71,74	71,84	72,85	72,99	74,98	75,63	75,57	74,58	73,12	73,52	132,6
1252	69,63	71,97	73,37	74,47	74,14	72,23	71,24	72,74	72,61	74,88	73,82	73,21	72,38	71,81	71,43	132,3
1602	72,39	73,99	74,87	76,31	77,17	75,65	75,38	74,38	76,23	76,78	77,31	77,11	73,89	71,59	71,12	133,7
2002	67,13	70,91	73,11	73,23	73,73	72,75	73,81	73,81	74,15	75,34	76,26	75,77	72,95	71,78	71,89	133,9
2502	69,92	75,88	75,17	77,76	77,11	76,41	76,71	75,38	78,64	78,96	77,21	76,64	74,21	69,46	73,26	136,9
3152	73,12	79,47	78,99	82,38	80,89	79,95	80,82	81,75	81,83	82,43	81,18	80,59	77,12	72,82	72,11	141,8
4002	76,54	81,91	85,92	84,24	85,95	85,42	84,21	86,39	84,36	84,83	83,18	83,37	78,66	68,12	70,15	143,3
5022	74,47	81,36	83,99	82,49	84,39	84,65	84,46	85,86	84,74	82,87	81,87	82,84	78,36	78,91	77,11	144,5
6322	72,23	77,31	77,21	82,29	81,58	79,85	80,27	82,96	82,19	83,61	84,35	82,26	77,33	78,98	76,46	144,7
8022	72,86	78,64	77,61	79,68	78,85	77,72	79,66	80,51	81,57	81,44	81,65	82,44	75,95	73,45	74,87	143,8
10202	69,89	75,98	75,53	77,49	78,88	77,27	76,93	79,03	80,89	82,45	81,33	83,18	78,96	72,89	74,41	145,8
MEASURED OASPL	85,39	90,38	91,99	91,75	92,85	92,13	92,29	93,79	94,11	93,98	93,68	94,89	90,82	91,92	93,13	
CALCULATED OASPL	84,24	88,88	90,92	90,36	91,41	90,73	90,71	92,35	92,09	92,12	92,12	92,58	89,40	90,54	91,79	
PNDB	98,47	103,3	105,7	103,2	106,3	105,7	104,6	106,9	106,7	106,2	105,9	106,2	102,6	102,6	102,9	

OAPWL: 152,5

AMBIENT TEMP, 82,00
WET-BULB TEMP, 66,00
BAR. PRESSURE 29,05
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN#2 MOD#13 SPEED#724-

RADIAL DISTANCE 25ℓ

DATE: 9/23/69

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SOUND PRESSURE LEVELS DIRECTIVITY INDEX

RPM	ANGLES FROM INLET 12,2	22,2	32,2	42,2	52,2	62,2	72,2	82,2	92,2	102,2	112,2	122,2	132,2	142,2	152,2	162,2	172,2	(PWL)
5[illegible]		-3,02	-2,94	-4,18	-5,23	-6,03	-4,31	-3,62	-2,43	-2,03	-1,84	-,535	,7749	-3,99	6,525	9,372		
63		-6,36	-5,86	-6,14	-4,21	-6,12	-5,49	-5,56	2,194	-3,69	-1,74	-1,03	,4811	-,462	5,826	9,242		
8[illegible]		-1,69	-,934	-2,89	-2,48	-3,18	-4,67	-4,66	-2,94	-2,52	-1,36	-,175	1,483	-1,22	5,275	8,465		
12[illegible]		-6,85	-6,71	-6,55	-5,79	-4,95	-4,25	-2,29	-1,29	-1,21	-,417	,4462	2,686	1,289	5,387	7,398		
125		-6,74	-6,58	-6,36	-7,45	-5,77	-4,69	-1,67	,9872	,7864	-,919	1,399	4,831	,7198	4,381	3,262		
16[illegible]		-7,09	-5,65	-6,73	-6,[illegible]	-5,85	-3,79	-2,14	-1,35	-,558	1,188	1,575	2,882	2,981	5,953	2,796		
20[illegible]		-6,21	-4,89	-5,69	-5,35	-5,12	-4,11	-2,62	,4413	-,255	1,663	2,145	2,991	3,868	2,905	,8512		
252		-7,91	-7,71	-8,89	-8,05	-7,33	-5,86	-3,18	-3,13	-1,18	4,979	2,216	4,579	-,887	1,679	,2972		
31[illegible]		-4,37	-2,38	-,653	-1,65	-2,18	-3,28	-2,62	-,473	-,273	1,582	,4988	,8369	3,345	3,869	,4533		
4[illegible]		-5,41	-2,62	-1,98	-1,30	-1,71	-3,62	-4,79	-3,22	-3,85	-1,69	,2949	3,441	5,533	4,313	-,224		
50[illegible]		-4,18	-2,24	-2,11	,8242	-1,85	-2,18	-2,41	-1,65	-2,29	-1,63	,7797	3,551	4,195	2,362	,6224		
63[illegible]		-5,89	-3,38	-2,82	-1,54	-,723	-1,39	-1,87	-1,89	-,824	,5434	1,297	2,988	3,829	-,494	-1,25		
80[illegible]		-6,28	-3,55	-1,86	-1,84	-1,32	-1,14	-,794	-,521	,4248	1,488	1,749	2,539	1,960	-1,91	-1,34		
100[illegible]		-6,26	-3,38	-,971	-1,32	-1,82	-1,62	-1,52	-,526	-,369	1,348	2,267	2,298	1,222	-,241	,1502		
125[illegible]		-3,67	-,919	,1789	1,573	1,242	-,663	-1,65	-,156	-,264	1,198	,1857	,3171	-,515	-1,88	-1,44		
160[illegible]		-5,58	-1,99	,8891	,1279	1,182	-,329	-,679	,3995	,2567	,8849	1,328	1,131	-2,89	-4,39	-4,87		
200[illegible]		-6,84	-3,66	-,855	-,735	-,236	-1,22	-,157	-,104	,1839	1,374	2,289	1,885	-1,82	-2,19	-2,88		
252[illegible]		-6,81	-,358	-1,56	1,229	,3785	-,319	-,218	-1,35	1,936	2,234	,4731	-,894	-2,52	-7,27	-3,43		
315[illegible]		-7,36	-,998	-1,46	,1248	,4319	-,569	-,457	1,293	1,374	1,973	,7192	,2288	-3,34	-4,44	-3,55		
4700		-7,68	-2,31	1,685	,8850	1,735	1,288	-,883	2,169	1,441	-,383	-1,04	-,844	-8,56	-4,89	-5,09		
5200		-8,57	-1,66	,9509	-,542	1,350	1,814	1,225	2,821	,6995	-,173	-1,17	-1,88	-4,48	-4,13	-5,93		
6322		-9,99	-4,91	-8,82	-4,23	-,789	-2,36	-1,95	,7466	4,978	1,394	2,132	,8438	-4,89	-11,2	-5,76		
8200		-8,91	-1,11	-2,16	-1,09	-,928	-2,85	-,111	,7364	1,799	1,866	1,884	2,875	-3,82	-5,92	-4,69		
10227		-9,81	-2,93	-3,36	-1,09	-,822	-1,64	-1,97	,1257	,9949	1,552	2,425	4,276	-1,94	-6,82	-4,49		

AMBIENT TEMP, 82,20
RETARDED TEMP, 68,20
BAR. PRESSURE 29,25
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/C 9/3/69-3

ROW=2 NOS=13 SPEED=7844

RADIAL DISTANCE ..292..

DATE: 9/3/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ	7.2	12.2	27.2	32.	47.	52.2	62.2	72.	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50			73,19	73,18	71,76	71,29	71,42	71,53	72,41	73,57	73,59	75,11	75,93	77,29	72,73	83,65	86,61		134,5
63			74,29	73,89	73,63	76,26	74,37	73,85	73,49	78,62	74,33	76,35	77,34	78,69	76,92	84,52	87,42		136,2
80			77,13	77,43	77,38	75,64	75,86	73,75	73,86	74,84	74,84	75,89	77,86	78,76	76,48	83,26	85,88		135,7
100			69,67	78,37	72,66	71,29	71,97	72,35	73,88	75,22	75,24	76,39	77,22	79,19	78,92	93,49	84,27		135,1
125			72,28	73,55	72,53	72,14	74,99	76,12	77,49	77,22	78,44	80,46	82,82	81,36	80,28	84,43	82,14		137,3
160			66,37	72,83	69,25	68,97	70,24	71,25	72,89	74,27	74,85	76,22	77,20	78,53	78,39	81,67	78,92		133,9
200			69,88	72,59	68,19	68,12	68,59	69,53	72,85	73,46	73,91	75,15	76,03	76,71	77,16	77,77	76,39		132,3
250			66,19	66,61	65,17	63,83	64,44	67,22	69,29	69,29	72,55	73,86	74,47	72,95	71,98	71,38	73,11		129,3
315			64,45	64,54	66,66	65,93	64,36	62,39	63,63	66,45	68,25	69,94	67,89	68,83	71,54	78,96	66,82		126,2
400			66,21	68,77	69,37	70,38	69,49	68,29	66,83	68,42	68,26	70,73	71,41	75,52	77,67	76,48	71,28		138,5
500			69,38	71,83	71,59	73,22	72,75	72,46	72,39	72,59	72,15	72,41	75,16	78,94	79,78	77,84	74,98		133,6
630			72,13	72,33	72,75	74,54	74,86	74,51	74,93	75,46	75,72	75,96	77,38	80,26	82,27	77,15	75,41		135,3
800			72,34	73,17	73,71	73,58	73,79	75,21	76,88	77,27	77,65	79,89	78,81	80,84	79,49	75,88	74,88		136,3
1000			68,69	71,81	72,98	72,32	73,43	72,28	72,92	74,89	76,82	77,87	77,11	76,48	76,14	74,78	73,62		134,2
1250			68,61	70,54	73,56	76,89	76,63	74,68	71,99	73,54	73,83	75,96	74,16	75,98	74,58	72,71	70,73		133,9
1600			69,98	72,25	74,71	75,69	77,33	76,37	75,83	76,65	76,47	75,67	76,16	78,31	74,81	73,55	71,88		135,6
2000			67,45	71,47	72,46	73,88	75,17	75,36	75,26	73,75	75,61	76,38	75,83	74,79	73,92	73,17	72,45		134,6
2500			68,54	74,98	73,92	77,19	79,73	80,83	81,89	78,32	80,21	78,63	76,62	76,47	75,38	73,29	71,73		138,7
3150			73,26	78,34	79,82	80,41	82,71	84,33	84,11	83,19	83,26	81,46	81,28	79,51	78,48	72,41	76,35		142,3
4000			73,69	78,74	81,72	80,66	81,48	83,29	82,29	82,89	81,91	80,68	79,74	82,42	76,36	76,83	75,82		142,2
5000			78,62	87,43	87,53	88,89	88,12	91,23	91,97	88,14	86,83	86,99	85,86	84,98	82,84	81,87	82,41		140,5
6300			71,87	76,29	78,39	80,31	80,48	81,74	82,27	83,44	82,86	81,18	80,93	80,81	76,73	71,22	74,82		143,1
8000			69,37	77,39	76,76	76,46	75,89	75,66	78,86	80,32	80,58	79,89	79,88	77,61	74,88	72,83	71,42		141,9
10000			72,15	77,63	76,85	77,79	77,85	77,53	77,66	81,83	81,16	81,13	82,64	82,78	75,89	72,54	7[illegible]		145,9
MEASURED OASPL			86,77	92,25	92,31	92,92	93,41	95,08	95,44	94,53	94,27	94,25	94,24	94,46	92,67	94,46	95,17		
CALCULATED OASPL			85,76	92,75	91,89	91,69	92,22	94,03	94,43	93,24	92,79	92,71	92,78	92,96	91,24	93,84	93,84		
FAC			99,41	125,8	124,1	124,8	127,2	129,2	129,6	127,8	127,3	127,3	126,7	126,5	124,3	123,6	122,9		

OAPWL: 154,8

AMBIENT TEMP: 82,88
WET-BULB TEMP: 68,82
BAR. PRESSURE 29,25
RES. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

PLN=2 RPM=14 SPEED=7484

RADIAL DISTANCE 250

DATE 9/ 3/69 PAGE 2

SCALE PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	122.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
5			-3.55	-3.56	-4.98	-5.65	-5.32	-5.21	-4.33	-3.17	-3.13	-1.64	-.814	.5487	-4.21	6.912	9.865	
6			-4.21	-4.42	-4.68	-2.85	-3.94	-5.26	-4.81	.3155	-7.98	-1.95	-.966	.3798	-1.39	6.195	9.111	
8			-.612	-.312	-.362	-2.87	-2.68	-3.98	-3.85	-2.91	-2.92	-1.85	-.679	1.814	-1.27	5.515	8.137	
10			-7.35	-6.65	-6.36	-5.73	-5.85	-4.67	-3.34	-1.79	-1.78	-.621	.1959	2.166	1.924	6.474	7.234	
12			-6.86	-5.39	-6.61	-6.99	-4.15	-3.83	-1.64	-1.94	-.693	1.324	2.883	2.224	1.141	5.298	2.999	
16			-7.28	-5.32	-6.42	-6.69	-5.42	-4.41	-2.76	-1.38	-.883	.5483	1.552	2.674	2.738	6.221	3.269	
20			-4.26	-3.35	-5.75	-5.84	-5.35	-4.42	-3.29	-.485	-.239	1.199	2.884	2.763	3.212	3.758	2.446	
25			-4.67	-4.26	-5.69	-7.83	-6.43	-3.84	-2.57	-1.57	1.688	2.999	3.665	2.891	.7115	.5128	2.242	
315			-3.14	-3.25	-.931	-1.65	-3.23	-5.21	-3.96	-1.14	.6584	2.956	.3118	1.139	3.952	2.971	-.767	
400			-5.62	-3.37	-2.46	-1.48	-2.15	-3.75	-4.99	-3.41	-3.58	-1.18	-.421	3.734	5.841	4.568	-.554	
500			-5.46	-2.93	-3.17	-1.54	-2.81	-6.38	-2.37	-2.16	-2.41	-2.38	.4819	4.176	5.217	3.884	-.183	
630			-6.23	-4.03	-3.62	-1.82	-1.79	-1.85	-1.44	-.896	-.659	-.485	1.224	3.895	3.911	.7921	-.955	
800			-6.85	-4.21	-3.47	-3.68	-3.39	-2.17	-1.12	.8925	.4721	2.787	1.629	2.862	2.311	-1.32	-2.29	
1000			-6.24	-3.13	-1.96	-2.64	-1.51	-2.66	-2.81	-.848	1.207	2.929	2.171	1.468	1.288	-.158	-1.31	
1250			-5.79	-3.87	-.855	1.681	2.219	.2712	-2.41	-.868	-.585	1.150	-.252	1.492	.2939	-1.7	-3.68	
1600			-6.33	-3.85	-1.22	-.223	1.428	.4645	-.876	.7445	.3613	-.241	.2536	2.465	-1.89	-2.36	-4.83	
2000			-7.23	-3.22	-2.22	-.822	.4864	.6827	.5749	-.928	.9278	1.498	1.149	.1865	-.762	-1.51	-3.23	
2500			-9.93	-3.48	-4.55	-1.27	1.259	2.363	3.419	-.151	1.742	.1637	-1.64	-2.88	-3.39	-8.17	-6.74	
3150			-8.52	-3.44	-2.76	-1.37	.9339	2.552	2.332	1.422	1.484	-.328	-.973	-2.27	-3.77	-9.37	-8.72	
4000			-7.37	-2.12	.6635	-.399	.4186	2.230	1.233	1.829	.4464	-.379	-1.32	-.638	-4.78	-5.23	-5.24	
5000			-9.42	-.583	-.486	.0717	.1233	3.216	3.949	.1285	-1.19	-1.82	-2.15	-3.83	-5.98	-6.15	-7.61	
6300			-8.82	-2.59	-2.29	-.375	-.884	1.858	-.415	2.756	2.176	.4972	.2458	-.674	-3.95	-9.46	-8.86	
8000			-8.57	-.549	-1.16	-1.49	-2.85	-2.29	.9219	2.379	2.638	1.151	1.143	-.331	-3.84	-8.91	-8.52	
10000			-7.58	-2.12	-2.88	-2.83	-1.88	-2.28	-2.87	2.699	1.428	1.399	2.986	3.851	-3.83	-7.19	-5.36	

AVG OVERALL SPL 82.62
AVG OVERALL PWL 68.22
MAX. PRESSURE 29.65
MAX. DIRECTIVITY 13.21

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/C 9/3/69-3

RUN# 4C0814 SPEED=748#

RADIAL DISTANCE 250.

DATE: 9/ 3/69 PAGE: 2

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 7.8	17.8	27.8	37.8	47.8	57.8	67.8	77.8	87.8	97.8	107.8	117.8	127.8	137.8	147.8	157.8	167.8	177.8	(PWL)
50			74,14	74,38	72,87	72,16	72,41	72,99	73,22	74,37	74,11	75,41	76,79	78,19	73,86	84,69	87,84		135,5
63			69,87	70,15	71,21	73,26	72,21	72,64	72,41	78,33	74,36	76,23	77,21	78,95	77,81	95,16	88,69		136,4
80			70,67	71,71	72,25	72,84	72,98	71,75	72,92	74,29	74,58	75,77	77,29	79,31	77,17	84,39	87,96		135,9
100			71,23	72,27	72,42	72,65	72,77	73,18	74,41	75,87	75,44	76,93	78,22	79,86	79,35	84,28	88,39		136,1
125			71,77	73,16	72,19	72,59	74,37	75,99	75,79	75,49	77,97	79,44	80,11	82,78	81,25	85,61	84,42		137,1
160			68,32	72,42	69,44	72,26	71,13	72,58	73,81	74,62	75,52	76,96	77,97	79,37	79,26	82,39	79,63		134,6
200			67,12	68,75	68,88	69,89	69,29	70,24	71,61	74,15	74,47	75,69	76,51	77,37	77,84	78,19	75,87		132,8
250			66,42	65,33	65,83	66,39	65,68	67,26	69,15	69,91	72,39	74,52	73,66	73,15	78,87	71,83	73,22		129,5
315			63,47	64,11	67,24	66,48	64,61	63,75	64,72	67,15	68,25	69,46	68,48	69,87	73,12	71,99	69,12		126,9
400			66,93	69,09	69,79	71,17	69,59	68,72	67,84	68,54	68,74	71,88	73,28	76,45	79,15	77,87	72,39		131,4
500			72,81	72,25	72,16	74,24	72,72	73,22	72,93	72,63	73,82	73,64	76,82	79,58	80,88	79,18	76,49		134,5
630			71,24	73,45	73,66	76,15	75,24	76,63	76,66	75,79	76,79	77,44	79,22	81,23	81,24	78,31	77,88		136,5
800			71,48	73,38	74,43	75,13	73,98	75,52	76,62	77,44	78,87	80,13	80,28	80,58	79,73	76,67	75,29		137,8
1000			69,46	72,88	72,85	72,66	73,69	73,84	74,32	74,71	75,42	77,21	78,49	78,14	77,39	75,49	75,78		134,8
1250			70,57	72,77	74,24	77,15	80,66	79,42	77,87	79,71	76,89	76,85	76,46	76,85	75,91	74,83	74,25		136,9
1600			72,32	75,47	77,36	80,47	84,62	84,85	82,27	84,44	82,98	79,92	80,99	80,49	77,51	76,63	74,23		141,4
2000			71,74	74,24	76,43	79,29	82,82	84,59	83,55	82,39	82,16	79,68	80,69	78,32	77,97	76,78	74,96		141,8
2500			72,28	78,32	77,11	82,19	85,11	87,08	88,83	84,25	84,28	82,72	80,68	78,38	78,67	73,99	75,18		143,8
3150			75,32	80,55	81,31	84,59	87,98	88,51	87,83	85,66	85,27	83,73	83,27	82,28	81,36	74,93	78,82		145,7
4000			74,12	78,74	82,81	82,15	84,42	85,87	82,89	83,73	83,97	80,98	80,68	80,53	77,35	77,81	76,99		143,3
5000			78,23	87,91	86,16	87,61	87,68	87,25	92,81	96,87	94,82	86,59	86,21	84,81	82,93	83,19	82,73		148,7
6300			72,99	78,89	79,32	81,33	83,11	82,41	81,74	82,38	82,84	81,27	81,87	79,79	77,68	72,28	76,38		143,6
8000			78,89	77,68	77,81	77,88	78,93	78,48	81,41	82,99	81,15	79,44	78,87	77,85	74,86	73,27	73,88		143,4
10000			78,78	77,17	76,39	77,68	79,84	79,58	81,26	81,43	83,44	81,98	81,73	82,77	75,26	71,78	73,96		146,9
MEASURED OASPL			96,71	92,63	92,42	94,25	96,84	96,47	96,92	95,82	96,48	94,99	95,16	95,88	93,81	95,52	96,97		
CALCULATED OASPL			95,69	91,27	91,82	92,86	94,75	95,27	95,59	94,52	94,95	93,47	93,59	93,49	92,39	94,09	95,54		
RMS			99,72	146,5	145,9	147,6	149,1	149,7	149,9	148,4	149,6	147,8	147,7	148,7	145,9	152,2	155,8		
																		OAPWL:	155,1

AMBIENT TEMP: 82,00
WET-BULB TEMP: 66,00
BAR. PRESSURE: 29,85
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 REG=15 SPEED=777.

RADIAL DISTANCE 252

DATE: 7/ 3/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
5			-3.59	-3.35	-4.86	-5.57	-5.33	-4.75	-4.72	-3.36	-3.62	-2.33	-.943	.4643	-4.07	6.964	12.11	
6			-8.63	-8.35	-7.29	-5.23	-6.29	-5.86	-6.89	-.169	-4.14	-2.27	-1.29	.4554	-1.49	6.662	12.19	
8			-7.23	-6.19	-5.86	-5.26	-5.33	-6.19	-4.98	-3.01	-3.33	-2.14	-.615	1.428	-.736	6.494	12.26	
10			-6.99	-5.74	-5.59	-5.39	-5.25	-4.84	-3.61	-2.15	-2.37	-1.89	-.221	1.846	1.329	6.253	8.582	
12			-7.17	-5.88	-6.76	-6.35	-4.57	-2.95	-3.15	-3.46	-.974	.6903	1.163	1.753	2.181	6.869	5.476	
16			-8.07	-5.97	-6.94	-8.33	-5.25	-3.87	-2.58	-1.77	-.868	.5735	1.586	2.981	2.670	6.217	3.248	
20			-7.33	-5.89	-6.37	-4.56	-5.15	-4.27	-2.64	-.293	.2234	1.246	2.203	2.921	3.394	3.733	1.423	
25			-4.58	-5.06	-5.16	-4.99	-5.31	-3.73	-1.85	-1.28	1.485	3.924	2.804	2.155	-.122	.2383	2.229	
31			-4.83	-4.19	-1.27	-1.92	-3.69	-4.56	-3.59	-1.15	.259	1.154	.1747	1.567	4.817	3.692	.9127	
40			-5.94	-3.18	-3.28	-1.72	-3.28	-4.15	-5.03	-4.34	-4.14	-1.87	.4229	3.974	6.279	4.995	-.527	
50			-5.66	-3.42	-3.91	-1.44	-2.99	-2.45	-2.74	-3.84	-2.85	-2.23	1.126	3.921	5.127	3.227	.0118	
63			-6.46	-4.25	-3.84	-1.35	-2.26	-1.47	-1.44	-1.72	-.728	-.865	1.523	3.727	3.743	.6181	-.417	
80			-6.45	-4.55	-3.52	-2.81	-1.96	-2.42	-1.32	-.494	.9372	2.195	2.339	2.646	1.791	-1.26	-1.64	
100			-6.26	-4.64	-2.68	-2.87	-1.84	-1.69	-1.51	-.816	-.188	1.482	2.959	2.611	1.561	-.939	.2544	
125			-6.92	-4.79	-3.45	-.342	3.172	1.929	.3761	2.219	-.709	-1.45	-1.03	-.645	-1.58	-3.46	-3.24	
160			-9.66	-6.21	-4.32	-1.22	2.945	3.174	.5955	2.769	-.692	-1.75	-.685	-1.16	-4.17	-5.25	-7.44	
200			-9.32	-7.21	-4.63	-1.77	.9618	3.539	2.492	1.343	1.182	-1.37	-.303	-2.75	-3.48	-4.27	-6.89	
250			-11.6	-5.31	-6.52	-1.44	1.482	3.451	4.396	.6185	.6484	-.912	-2.95	-5.33	-4.96	-9.64	-8.45	
315			-9.82	-4.57	-3.81	-.922	2.784	3.392	2.728	.9439	.1496	-1.39	-1.85	-2.83	-3.96	-18.2	-6.29	
400			-8.26	-3.44	-.179	-.839	2.238	2.881	.7295	1.543	.3827	-1.21	-1.92	-1.65	-4.83	-5.17	-5.19	
500			-9.22	.6821	-1.69	.3638	.4333	.8826	2.763	-.375	2.769	-.859	-1.64	-3.24	-4.32	-4.26	-4.52	
630			-8.18	-2.27	-1.85	.1672	1.942	1.243	.5921	1.214	2.391	.1843	-.897	-1.38	-3.97	-8.89	-4.79	
800			-9.24	-1.66	-2.33	-2.25	-.422	-.851	2.275	3.664	1.814	.1875	-.469	-1.49	-4.47	-6.27	-6.28	
1000			-9.69	-3.29	-3.99	-2.71	-1.35	-.828	.8729	1.237	3.247	1.193	1.343	-.381	-5.13	-8.61	-6.44	

AMBIENT TEMP 82.88
WATER TEMP 68.20
BAR. PRESSURE 29.85
ABS. VISCITY 13.21

SCALE MODEL ACOUSTIC TEST T/D 8/29/69 R/D 9/3/69-3

PROP RPM=18 SPEED=777

RADIAL DISTANCE 25?

DATE: 9/?3/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ?	ANGLES FROM INLET 7,5	10,?	2?,?	32,?	47,2	57,?	62,2	77,?	82,?	92,?	107,2	112,2	122,2	132,?	142,2	152,?	162,2	172,2	(PWL)
5?			73,93	74,23	73,23	71,96	72,64	72,99	73,49	74,66	74,63	75,98	76,98	76,55	73,97	69,11	88,62		135,9
6?			69,41	69,7?	72,26	72,87	71,79	72,54	73,22	78,33	75,21	76,89	78,83	79,74	77,87	84,29	89,73		137,1
8?			70,94	71,78	71,98	72,53	73,91	73,62	74,49	75,51	75,98	77,37	78,75	82,25	78,13	85,16	88,25		136,7
10?			69,47	70,87	71,17	72,39	73,88	73,74	75,28	76,46	76,85	77,99	79,25	84,96	84,42	85,35	84,26		136,8
12?			71,12	73,31	72,29	71,69	73,97	77,36	75,41	77,22	80,48	80,75	81,19	81,95	82,41	86,93	84,87		138,2
16?			69,32	71,72	72,25	72,52	72,25	73,45	74,24	75,44	76,58	78,15	79,34	82,32	82,31	83,43	82,67		135,7
20?			68,61	72,30	69,29	69,16	70,49	71,13	72,27	74,77	75,19	76,61	77,61	78,12	78,77	79,82	78,59		133,7
25?			68,42	68,12	66,58	65,52	66,96	68,27	69,45	78,76	72,44	73,58	74,23	73,98	71,78	72,89	74,75		129,8
31?			65,97	64,71	67,22	66,21	65,69	64,17	65,22	67,61	68,35	69,46	69,17	72,64	74,22	74,22	69,75		127,7
40?			67,34	69,63	70,23	70,74	70,96	69,55	68,96	69,98	69,94	72,43	74,79	77,44	82,43	79,37	75,74		132,8
50?			69,92	72,85	72,29	74,85	73,52	73,69	73,75	74,39	74,68	75,68	78,28	81,87	82,28	88,81	78,57		135,8
63?			72,69	74,26	74,86	76,97	76,18	76,29	76,79	77,69	77,82	78,82	80,17	82,27	82,69	79,98	78,87		137,6
80?			71,61	74,49	75,49	77,88	77,18	75,91	77,31	78,79	79,39	81,11	81,12	81,23	80,82	77,84	76,89		137,9
100?			72,64	73,88	75,62	76,32	78,57	78,89	78,66	77,67	77,33	76,97	78,32	77,71	77,74	76,66	75,89		136,5
125?			72,82	76,83	81,68	86,88	90,87	89,24	89,38	89,37	84,75	82,68	84,81	81,46	81,34	81,83	78,99		145,9
160?			76,52	82,78	85,62	90,13	94,82	95,32	93,22	90,82	84,96	80,51	80,23	85,94	80,42	84,61	79,33		150,?
200?			74,94	82,63	82,66	83,26	80,71	80,48	87,92	84,47	83,26	83,63	82,73	81,86	81,57	81,77	81,15		144,9
250?			74,12	78,17	77,29	81,49	83,32	82,42	85,11	82,66	80,87	81,99	81,79	78,64	79,56	73,67	75,46		141,7
315?			74,18	80,58	82,35	85,84	86,64	85,45	86,87	85,91	84,39	82,73	82,66	81,58	82,15	79,91	80,87		144,8
400?			73,69	79,39	84,29	83,21	84,87	84,27	83,17	84,49	82,36	80,79	81,15	80,91	78,74	78,28	78,41		143,6
500?			74,99	85,26	86,14	85,85	86,94	84,52	80,75	86,41	80,29	87,41	80,29	85,82	82,33	81,76	81,52		148,1
630?			71,89	78,43	80,71	81,79	82,93	81,51	81,81	82,41	82,86	81,61	82,39	78,94	78,91	72,72	76,44		143,8
800?			78,49	77,55	79,83	77,31	78,99	78,39	82,77	81,34	81,93	79,67	79,79	77,87	75,55	74,84	73,85		143,6
1000?			67,49	76,28	77,49	76,89	78,15	77,16	80,87	80,13	81,65	80,19	81,48	80,88	74,84	78,69	72,76		145,4
MEASURED OASP			86,39	92,55	94,39	96,14	98,98	98,91	98,78	97,56	96,65	96,44	97,82	96,21	95,84	96,89	97,67		
CALCULATED OASP			85,62	91,26	93,17	95,12	98,89	98,21	97,88	96,55	95,24	95,13	95,6?	94,77	94,65	95,58	96,27		
PNDB			98,26	105,7	107,1	107,9	110,7	110,9	110,5	109,2	109,7	108,9	109,5	108,1	107,3	105,6	105,5		

OAPWL: 136,5

AMBIENT TEMP: 82,82
WET-BULB TEMP: 68,0?
BAR. PRESSURE 29,25
ABS. HUMIDITY 15,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RD=16 SPEED=7949

RADIAL DISTANCE 252

DATE: 9/ 3/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
5[illegible]			-4,29	-3,94	-5,19	-6,26	-5,58	-5,23	-4,73	-3,55	-3,59	-2,24	-1,23	,3329	-4,25	6,888	18,39		
63			-9,83	-9,54	-8,96	-6,37	-7,46	-6,77	-6,23	-,916	-4,24	-2,36	-1,22	,4955	-1,38	6,836	16,46		
8[illegible]			-7,79	-6,95	-6,75	-6,19	-4,82	-4,91	-4,24	-3,22	-2,75	-1,35	,0228	1,526	-,599	6,428	9,518		
12[illegible]			-9,25	-7,65	-7,55	-6,32	-5,64	-4,98	-3,64	-2,26	-1,87	-,731	,5297	2,242	1,963	6,026	7,541		
12[illegible]			-8,62	-6,72	-7,74	-8,34	-6,87	-2,68	-4,62	-2,81	,4486	,7186	1,156	1,919	2,374	6,899	4,237		
16[illegible]			-8,12	-5,72	-7,19	-6,92	-5,18	-3,98	-3,19	-1,99	-,859	,7111	1,989	2,808	2,877	5,992	3,237		
20[illegible]			-6,75	-4,95	-7,27	-6,19	-4,91	-4,23	-3,29	-,594	-,166	1,259	2,249	2,763	3,412	3,664	3,225		
25[illegible]			-3,37	-3,28	-4,81	-5,89	-4,43	-3,32	-1,94	-,634	1,246	2,118	2,844	2,587	,3295	,7835	3,357		
31[illegible]			-3,14	-4,42	-1,89	-2,91	-3,42	-5,81	-3,09	-1,49	-,559	,3497	,8579	1,526	5,186	5,893	,6421		
40[illegible]			-6,81	-4,32	-3,92	-3,48	-3,19	-4,59	-5,19	-4,17	-4,28	-1,72	,6483	3,495	6,285	5,219	1,592		
50[illegible]			-7,89	-4,17	-4,71	-2,97	-3,49	-3,12	-3,26	-2,62	-2,33	-1,34	1,264	4,856	5,187	3,792	1,556		
63[illegible]			-7,94	-4,37	-3,77	-1,66	-2,45	-2,34	-1,83	-1,55	-,826	,1936	1,535	3,642	4,259	1,354	,2366		
80[illegible]			-7,24	-4,36	-3,36	-1,84	-1,67	-2,94	-1,54	-,256	,5418	2,264	2,271	2,384	1,909	-1,21	-1,96		
100[illegible]			-6,59	-3,35	-1,63	-,987	1,339	,8621	-,563	,4444	,1242	-,255	1,898	,4828	,5141	-,572	-2,13		
125[illegible]			-13,8	-9,59	-4,83	-,346	3,635	2,814	2,946	2,942	-1,68	-3,75	-2,48	-4,97	-5,89	-5,48	-7,43		
160[illegible]			-13,9	-7,72	-4,67	-,367	3,531	4,829	2,728	,1246	-5,54	-1,99	-2,26	-4,56	-2,87	-5,89	-11,2		
200[illegible]			-12,1	-4,37	-2,34	-1,74	3,712	3,308	2,912	-,537	-1,74	-1,37	-2,27	-3,14	-3,43	-3,23	-3,85		
250[illegible]			-12,4	-3,35	-4,23	-,832	1,794	,9827	3,587	,3427	-,658	,4732	,2731	-2,88	-1,96	-7,85	-6,86		
315[illegible]			-12,1	-3,66	-1,89	,7949	2,394	1,212	2,629	1,664	,1547	-1,51	-1,58	-2,66	-2,89	-8,33	-4,17		
400[illegible]			-8,77	-3,27	1,632	,7479	2,489	1,612	-,293	2,827	-,299	-1,67	-1,31	-1,55	-3,71	-4,18	-4,84		
500[illegible]			-11,7	-1,61	-,528	-,821	,2751	-2,15	2,884	-,263	2,616	,7437	1,625	-,868	-4,33	-4,91	-5,15		
630[illegible]			-12,3	-2,92	-,631	,4498	1,588	,1675	,4593	1,859	1,513	,2631	1,249	-1,41	-2,84	-8,64	-4,91		
80[illegible]			-9,51	-2,24	-,548	-2,28	-,484	-1,21	3,169	1,745	2,335	,8755	,1933	-1,73	-4,84	-8,56	-6,54		
100[illegible]			-11,7	-3,22	-1,74	-2,33	-1,87	-2,85	1,642	,9212	2,419	,9821	2,172	1,649	-4,39	-8,53	-6,46		

AMBIENT TEMP: 82,88
WET-B[illegible] TEMP: 68,22
BAR. PRESSURE 29,85
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN#2 RPM=14 SPEED=7948

RADIAL DISTANCE 25%

DATE: 9/ 3/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ	7.2	18.0	28.2	38.4	48.2	58.0	68.8	78.0	88.2	98.4	108.0	118.8	128.0	138.4	148.0	158.2	168.0	178.8	(PWL)
50			75.46	75.18	74.29	73.32	73.67	73.72	74.59	75.15	75.61	77.44	78.88	79.34	75.82	86.35	89.66		137.1
63			78.35	78.28	71.36	73.26	72.38	73.54	73.68	78.67	75.72	78.85	78.87	82.62	78.59	87.29	98.68		138.8
80			72.64	72.34	72.81	73.53	73.79	74.16	74.89	76.24	76.15	78.88	79.47	81.33	79.63	86.52	89.74		137.8
100			78.54	71.78	72.88	73.15	73.71	75.86	75.98	77.33	77.47	78.86	79.83	82.81	82.11	86.72	88.21		138.8
125			72.97	73.75	72.59	73.29	74.48	77.19	76.24	79.19	82.63	81.39	81.79	83.62	84.82	88.61	85.31		139.4
160			69.98	72.18	74.91	71.33	72.97	74.51	75.18	76.72	78.28	79.28	88.18	81.55	81.67	84.63	81.88		136.8
200			69.27	71.23	69.72	78.86	71.25	72.47	73.42	75.91	76.27	77.46	79.16	79.93	88.61	88.59	78.88		135.1
250			89.59	78.64	89.82	87.32	88.49	89.66	71.66	73.17	74.71	75.24	76.97	76.23	74.81	73.67	75.88		141.9
315			67.59	66.81	68.88	68.81	67.39	66.15	68.63	78.57	72.13	72.26	72.72	72.24	74.93	74.98	71.12		129.7
400			87.27	89.17	71.13	72.13	71.44	78.24	89.66	78.87	71.92	73.43	75.79	78.22	81.39	88.31	79.72		133.7
500			69.67	72.62	73.52	74.78	74.28	74.95	74.11	74.49	74.84	75.57	79.81	81.65	83.38	81.99	79.46		136.5
630			71.34	73.89	74.86	76.87	76.68	77.18	77.11	77.39	77.57	78.84	88.71	83.48	83.93	81.26	79.85		138.2
800			72.42	74.88	75.46	78.86	77.84	77.58	79.49	88.21	79.15	81.19	81.36	82.53	82.67	78.81	78.92		138.9
1000			73.19	77.15	79.31	79.88	81.39	81.29	82.89	88.61	88.73	79.95	81.92	88.67	79.79	78.32	78.41		139.7
1250			76.87	79.77	85.57	87.47	92.51	91.74	92.99	91.84	88.19	86.39	84.32	85.83	85.39	88.61	81.17		148.6
1600			81.87	85.17	85.11	93.49	94.84	98.42	96.58	97.63	92.86	92.12	89.43	87.54	89.94	84.43	82.88		153.6
2000			74.36	79.83	82.23	85.46	98.78	88.82	98.62	85.32	89.31	85.79	83.94	82.54	82.72	88.99	79.74		146.8
2500			71.38	77.92	7..23	82.29	85.29	87.31	89.36	83.34	84.15	83.65	82.98	79.82	88.88	75.21	76.48		144.4
3150			75.89	88.95	82.45	85.97	88.96	87.77	89.58	85.55	86.19	84.29	84.41	82.44	83.12	76.46	88.76		146.4
4000			75.24	79.94	84.32	83.32	85.82	88.15	84.42	85.37	84.37	81.72	82.16	82.22	79.89	79.35	78.51		144.8
5000			76.43	86.27	84.34	86.83	86.85	86.86	90.84	87.60	91.88	92.41	90.98	86.91	83.58	82.53	88.81		149.9
6300			73.58	82.22	82.83	82.27	83.84	84.24	83.59	83.51	84.56	83.48	83.41	82.37	79.97	74.18	77.85		145.3
8000			71.34	78.12	79.57	78.34	79.89	88.57	84.85	82.38	83.36	81.81	88.26	88.25	76.98	75.54	73.42		145.1
10000			69.97	76.54	76.85	77.42	79.22	79.57	81.89	81.99	83.85	81.39	82.91	83.85	75.78	71.51	72.79		146.6
MEASURED OASPL			88.68	93.55	94.57	96.22	100.3	101.3	101.6	100.5	99.34	99.18	98.58	97.76	97.37	97.91	98.87		
CALCULATED OASPL			87.64	92.31	93.42	97.47	99.41	100.8	100.8	100.1	98.11	97.99	97.16	96.28	96.28	96.46	97.41		
PWL			102.6	106.7	106.9	110.9	111.7	113.5	113.3	112.9	111.9	111.2	111.4	109.5	108.8	108.4	106.1		

OAPWL: 118.7

AMBIENT TEMP: 82.20
WET-BULB TEMP: 66.22
BAR. PRESS.: 29.45
ABS. HUMIDITY: 13.21

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/T 9/3/69-3

RUN=2 NOG=17 SPEED=8937

824

RADIAL DISTANCE 252

DATE: 9/ 3/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ'	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
5?			-4,23	-4,12	-4,99	-5,97	-5,62	-5,57	-4,69	-4,14	-3,68	-1,85	-1,21	,8469	-4,27	7,858	12,37	
6?			-9,82	-9,89	-8,81	-6,92	-7,79	-6,63	-6,49	-1,49	-4,45	-2,11	-1,29	,4578	-1,58	7,118	13,51	
8?			-7,78	-7,48	-7,01	-6,29	-6,83	-5,65	-4,93	-3,78	-3,66	-1,82	-,353	1,512	-,187	6,699	9,925	
10?			-9,41	-8,17	-7,87	-6,87	-6,24	-4,89	-3,97	-2,62	-2,48	-1,89	-,116	2,856	2,157	6,752	8,254	
12?			-8,68	-7,49	-6,66	-6,16	-4,77	-4,86	-5,81	-2,87	1,386	,1418	,4099	2,374	2,776	6,761	4,861	
16?			-6,56	-6,36	-7,63	-7,21	-5,57	-4,23	-3,36	-1,82	-,484	,7411	1,639	3,889	3,125	6,887	2,543	
22?			-7,43	-5,47	-6,98	-6,64	-5,45	-4,23	-3,29	-,883	-,432	,7553	2,453	3,229	3,928	3,892	2,175	
25?			-3,92	-2,87	-4,49	-4,18	-5,81	-3,85	-1,85	-,338	1,285	1,736	3,266	2,723	1,322	,3571	2,169	
31?			-3,57	-4,35	-2,29	-3,15	-3,77	-5,82	-2,53	-,992	,9898	1,896	1,559	1,879	3,771	3,817	-,248	
40?			-7,94	-5,84	-3,88	-2,87	-3,36	-4,77	-5,35	-4,14	-3,11	-1,98	,7826	3,289	6,388	5,326	,7881	
50?			-8,23	-5,68	-4,16	-2,92	-3,42	-2,74	-3,99	-3,21	-3,66	-2,13	1,313	3,951	5,581	4,294	1,762	
63?			-7,92	-5,37	-4,41	-2,39	-2,79	-2,88	-2,16	-1,88	-1,69	-,426	1,444	4,139	4,663	1,795	,5869	
80?			-7,38	-4,92	-4,34	-1,74	-1,97	-2,39	-,318	,4183	-,659	1,392	1,552	3,823	2,887	-,997	-1,28	
100?			-7,19	-3,24	-1,28	-,939	1,889	,9118	,5892	,2235	,3385	-,437	1,129	,2852	-,580	-2,29	-,775	
125?			-13,2	-9,35	-3,55	-1,65	3,391	2,825	3,871	1,924	-,919	-2,72	-2,79	-4,89	-3,72	-8,51	-7,65	
160?			-12,8	-8,73	-8,79	,5019	,9312	4,514	2,675	3,721	-3,85	-1,78	-4,28	-8,37	-3,94	-9,87	-11,9	
200?			-12,5	-7,84	-4,64	-1,41	3,913	1,152	3,756	-1,55	2,445	-1,87	-2,93	-4,32	-4,15	-8,87	-7,13	
250?			-12,3	-6,29	-6,99	-1,93	1,876	3,898	5,139	-,874	-,269	-,564	-1,63	-4,39	-3,33	-9,81	-7,81	
315?			-12,7	-4,67	-3,37	,1582	2,747	1,958	3,745	-,265	,3733	-1,52	-1,41	-3,17	-2,69	-9,36	-5,85	
400?			-8,44	-3,74	,6384	-,357	2,139	2,474	,7389	1,093	,6958	-1,96	-1,52	-1,46	-3,78	-4,32	-5,17	
500?			-12,8	-2,18	-4,11	-2,42	-2,41	-2,39	1,982	-,771	2,632	3,960	2,448	-1,54	-4,95	-5,92	-7,65	
630?			-9,24	-2,82	-1,99	-,557	1,813	1,417	,7669	,6837	1,733	,6583	,7884	-,458	-2,86	-8,72	-5,77	
800?			-9,75	-2,96	-1,51	-2,74	-1,19	-,989	3,778	1,294	2,279	,7240	-,825	-,832	-4,16	-5,54	-7,66	
1000?			-12,5	-3,94	-3,63	-3,86	-1,25	-,987	,6188	1,516	2,979	,9889	2,038	2,573	-4,78	-8,97	-7,69	

AMBIENT TEMP', 82,22
WET-BULB TEMP', 68,00
BAR, PRESSURE 29,25
ABS, HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=17 SPEED=8037

RACIAL DISTANCE 25ft

DATE: 9/03/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 4.6	14.2	24.2	32.8	42.8	52.7	62.8	72.8	82.8	92.8	102.8	110.8	122.8	132.8	142.8	152.2	162.8	172.8	(PWL)
52			75.09	75.46	74.43	73.93	74.16	75.14	74.86	76.12	76.43	76.11	78.82	80.21	76.26	80.29	91.46		138.5
63			74.80	78.69	71.93	73.53	73.16	74.33	74.34	79.28	76.36	76.37	79.89	81.39	79.25	80.95	92.28		139.3
82			74.98	75.54	75.45	74.73	75.22	74.91	75.88	76.78	77.58	79.86	80.81	82.53	80.85	80.87	91.54		139.3
122			73.56	74.18	73.92	74.16	74.75	75.44	76.46	78.83	78.53	78.88	81.84	83.13	83.24	80.34	89.99		139.3
125			75.26	76.85	74.66	73.73	75.88	76.74	78.66	80.14	82.98	83.32	83.19	86.84	84.99	80.35	86.79		140.8
162			72.32	73.83	72.69	72.39	74.89	75.96	77.81	78.16	82.82	81.81	81.78	83.88	81.49	80.96	82.95		138.6
202			70.56	71.57	72.23	72.96	71.71	73.98	74.45	76.58	77.52	78.79	80.38	80.96	82.86	81.98	80.45		136.2
252			69.79	68.68	67.17	67.17	68.42	71.49	72.38	73.80	76.22	76.85	77.98	76.73	78.20	78.20	77.57		132.9
315			66.57	66.87	68.88	69.24	67.73	67.73	70.39	71.26	73.39	74.22	72.86	72.81	75.45	76.88	72.26		138.7
402			67.79	71.24	71.85	73.58	72.49	71.26	70.68	71.92	72.24	73.98	75.82	78.78	82.26	81.32	76.26		134.4
502			71.11	73.68	74.14	75.74	75.26	75.63	75.24	75.83	75.52	75.96	79.68	82.98	84.63	83.13	88.24		137.6
632			74.15	77.58	80.38	85.39	88.91	87.98	89.28	85.25	85.57	82.89	83.73	84.88	86.86	82.79	82.72		144.8
802			74.35	78.39	79.65	85.29	85.64	86.29	88.67	91.41	89.37	86.37	84.88	85.93	85.35	80.86	82.23		145.9
1022			73.89	77.44	78.43	82.63	84.89	82.18	84.28	86.16	84.31	83.49	82.18	82.17	82.83	81.80	79.69		142.3
1252			75.56	78.65	82.38	91.15	92.93	91.79	91.17	89.45	85.64	84.67	82.67	83.94	86.29	84.65	88.88		147.9
1602			77.82	80.41	85.46	91.39	90.17	94.99	95.11	93.77	89.43	87.97	86.88	86.71	89.85	85.19	82.64		151.5
2002			74.68	79.29	80.95	85.75	87.78	86.26	88.79	86.82	85.14	84.91	84.37	81.88	84.65	82.18	79.62		145.3
2502			71.72	78.27	77.37	82.43	84.73	85.39	86.21	84.28	81.89	81.87	80.31	78.82	81.38	77.28	75.85		143.8
3152			75.93	80.98	82.88	85.88	89.82	88.88	86.61	87.68	85.81	83.99	84.31	82.31	83.54	78.22	80.87		146.3
4002			78.29	79.85	83.48	84.21	87.88	85.66	83.82	84.39	84.82	82.72	82.84	81.99	83.72	80.46	79.74		144.9
5202			76.38	80.23	83.19	86.52	86.92	87.26	93.73	90.82	90.87	91.81	92.93	87.54	84.85	83.99	82.15		150.8
6302			73.77	80.68	80.89	85.51	84.98	83.66	84.38	85.87	84.77	83.66	85.25	82.68	81.82	78.82	78.89		148.9
8002			78.88	78.17	78.59	78.98	80.89	79.92	84.59	83.32	83.14	81.58	81.28	78.53	77.48	78.84	74.14		145.1
10002			69.74	76.15	75.67	77.39	79.74	80.42	81.78	83.53	83.22	81.33	83.69	83.37	77.51	72.81	73.84		147.2
MEASURED OASPL			88.68	92.92	93.82	96.37	101.1	100.4	101.5	100.6	99.86	98.41	98.86	98.18	98.24	99.38	100.2		
CALCULATED OASPL			87.53	92.84	92.98	97.01	100.3	99.58	100.7	99.72	97.93	97.28	97.49	96.82	97.28	98.15	98.14		
PNDB			100.2	106.6	106.5	109.8	112.9	112.2	113.9	112.3	111.5	111.5	112.1	109.8	109.2	107.9	106.9		
																		OAPWL:	150.6

AMBIENT TEMP. 82.8F
WET-BULB TEMP. 68.8F
BAR. PRESSURE 29.85
ABS. HUMIDITY 13.21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=18 SPEED=8252

RADIAL DISTANCE 25&

DATE: 9/3/69

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

RPM	ANGLES FROM INLET 5.2	15.2	25.2	35.2	45.2	55.2	65.2	75.2	85.2	95.2	105.2	115.2	125.2	135.2	145.2	155.2	165.2	175.2 (PWL)
5[illegible]			-5.02	-5.25	-5.28	-7.[illegible]	-6.55	-5.57	-5.85	-4.59	-4.28	-2.59	-1.91	-.499	-4.45	7.586	18.76	
63			-12.6	-12.7	-9.49	-7.78	-8.26	-7.68	-7.67	-2.14	-3.66	-3.24	-1.73	-.228	-2.17	7.929	16.87	
80			-6.42	-5.85	-5.93	-6.36	-6.17	-6.48	-5.52	-4.61	-3.81	-2.32	-.574	1.140	-.932	6.982	16.15	
100			-7.65	-7.63	-7.29	-7.65	-6.46	-5.76	-4.75	-3.18	-2.68	-1.33	-.164	1.924	2.831	7.128	8.391	
125			-7.44	-6.65	-8.09	-6.77	-6.82	-3.96	-4.24	-2.56	.2787	.8158	.4878	3.335	2.298	6.851	4.899	
150			-8.68	-6.55	-7.69	-7.28	-5.29	-4.42	-4.37	-2.22	-.362	.8322	1.399	3.588	3.187	6.164	2.567	
200			-7.36	-6.29	-7.64	-7.49	-5.15	-4.68	-3.41	-1.28	-.339	.9276	2.441	3.899	4.199	4.123	2.589	
250			-4.63	-5.74	-7.25	-7.69	-6.81	-3.94	-2.84	-.534	1.799	2.498	3.877	2.389	.8738	.8599	3.158	
315			-5.56	-5.25	-3.53	-3.09	-4.48	-4.42	-1.74	-.475	1.252	2.864	.7262	.6725	3.912	3.948	.1275	
400			-7.96	-4.52	-3.89	-2.17	-3.26	-4.49	-5.27	-3.83	-3.52	-1.78	.8088	3.831	6.411	9.966	.5104	
500			-7.04	-5.67	-4.82	-3.61	-3.49	-3.12	-3.52	-3.73	-3.24	-2.79	.8467	4.225	5.876	4.373	1.483	
630			-11.7	-8.29	-5.49	-.476	3.243	2.187	3.248	-.617	-.381	-2.98	-2.14	-4.37	1.887	-3.87	-3.19	
800			-12.5	-8.47	-7.21	-3.57	-1.23	.5982	1.821	4.547	2.529	-.491	-1.98	-1.85	-1.51	-6.81	-4.64	
1000			-9.93	-5.58	-4.59	-.973	1.248	.919	.9962	3.138	1.289	.4755	-.843	-.849	-.796	-4.95	-3.33	
1250			-12.9	-9.83	-5.12	2.687	4.241	3.316	2.687	.9029	-2.85	-4.82	-5.82	-4.54	-2.19	-3.83	-7.68	
1600			-13.9	-11.4	-6.34	-.337	4.379	3.264	3.322	1.978	-2.36	-3.82	-6.91	-5.68	-2.74	-6.59	-9.15	
2000			-12.7	-8.67	-4.42	.8879	2.422	.9826	3.434	.6082	-.226	-.454	-.989	-3.68	-.717	-3.18	-5.74	
2500			-11.1	-4.55	-5.46	-.394	1.988	2.563	3.386	1.425	-.934	.2414	-2.51	-4.81	-1.47	-5.96	-6.98	
3150			-10.2	-4.79	-3.69	.1777	3.324	3.182	.9115	1.926	-.686	-1.71	-1.39	-3.39	-2.16	-7.48	-4.82	
4000			-8.57	-4.82	-.466	.3379	3.139	1.869	-.853	2.526	.1522	-2.15	-1.81	-1.88	-3.15	-3.41	-4.13	
5000			-12.9	-3.29	-6.13	-2.97	-2.42	-2.26	4.442	.7833	.7529	1.888	2.785	-1.78	-4.47	-5.33	-7.17	
6300			-9.77	-2.86	-3.45	-.849	1.439	.1288	.7689	1.523	1.226	1.185	1.786	-.941	-1.92	-7.52	-4.64	
8000			-14.2	-2.98	-2.48	-2.69	-.381	-1.15	3.518	2.248	2.271	.2314	.1323	-2.84	-3.87	-5.83	-6.95	
10000			-13.4	-4.95	-5.43	-3.71	-1.36	-.879	.6791	2.429	2.124	.2332	2.598	2.274	-3.79	-8.29	-7.46	

B27

AMBIENT TEMP, 82.20
RETENTION TEMP, 66.86
BAR. PRESSURE 29.85
ABS. HUMIDITY 13.22

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/L 9/3/69-3

RUN#2 BDB=18 SPEED=6251

RADIAL DISTANCE 25R

DATE: 9/24/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.0	10.2	2..	32.2	42.0	52.2	62.0	72.2	82.2	92.2	102.0	112.0	122.0	132.0	142.0	152.2	162.2	172.0	(PWL)
52			75,97	76,36	75,19	74,79	75,11	75,32	75,58	76,88	77,33	79,83	80,80	81,96	77,33	89,59	93,12		139,8
63			74,75	71,23	72,44	74,47	74,38	75,39	75,19	80,49	77,67	79,93	81,35	83,34	80,53	90,39	94,29		140,9
82			71,61	71,82	72,75	74,26	75,83	75,29	76,25	77,49	77,67	79,27	81,31	83,66	81,62	89,68	93,79		140,6
102			73,34	75,23	75,28	75,96	75,92	76,59	77,51	78,99	79,45	80,78	82,22	84,69	84,27	89,47	91,91		140,7
125			73,33	74,99	74,27	74,18	76,86	77,34	78,83	80,12	81,75	82,32	83,92	85,31	85,78	90,51	88,36		141,2
162			73,27	75,31	73,88	73,83	75,86	77,42	78,94	83,13	82,35	83,19	83,93	86,88	85,44	86,13	84,32		140,7
202			71,16	73,37	71,69	71,85	73,45	74,38	75,52	77,63	78,38	80,83	81,41	83,86	83,85	83,37	81,21		137,5
252			71,41	71,41	69,84	69,17	70,46	71,39	73,23	74,12	76,42	77,99	78,74	79,29	78,49	76,24	79,19		134,1
315			68,71	67,37	70,21	69,89	70,86	68,45	72,39	71,56	73,24	75,54	75,71	75,78	76,94	77,62	74,47		132,1
402			69,38	72,47	73,88	77,27	74,34	74,69	73,55	72,32	74,38	76,89	78,19	81,85	83,18	83,42	78,96		136,4
502			71,89	75,27	77,21	77,98	78,81	78,52	78,59	77,54	76,81	78,82	81,46	84,59	85,48	84,95	81,64		139,4
632			75,24	78,39	81,47	82,38	85,23	85,15	84,52	82,42	81,21	83,56	84,48	86,76	86,79	84,18	83,15		143,1
802			76,87	79,55	81,92	84,89	89,23	89,81	92,73	90,13	87,69	86,43	85,69	87,73	86,51	83,44	83,87		146,7
1002			74,63	76,85	81,12	82,84	83,83	83,.*	83,69	83,67	82,14	84,91	84,33	84,19	84,37	80,82	88,88		142,3
1252			78,72	78,01	83,89	91,60	93,85	93,93	89,86	88,88	86,48	84,22	82,27	85,39	83,55	80,93	80,26		148,5
1622			77,19	88,85	86,41	89,76	92,12	92,85	91,19	88,28	88,29	84,34	85,77	86,88	84,49	83,48	81,72		148,3
2222			75,54	78,74	82,86	84,13	86,89	85,19	86,89	82,52	81,78	83,88	83,88	82,74	81,89	81,89	79,32		143,9
3252			73,93	77,53	77,62	83,93	86,18	85,62	86,88	83,43	83,54	83,22	82,23	81,15	81,99	78,97	78,56		143,6
3152			76,89	81,79	83,37	88,37	88,33	86,86	85,95	85,93	85,29	84,72	85,12	84,34	83,57	78,56	81,35		145,9
4282			76,69	79,84	84,17	85,82	85,98	84,67	83,81	85,23	82,95	81,77	83,36	83,98	80,52	80,35	78,53		144,6
5282			76,97	86,34	84,77	88,86	85,81	86,28	95,41	91,29	91,24	91,11	91,42	85,91	83,98	82,52	82,21		151,3
6382			75,44	82,39	83,27	84,39	84,49	83,93	88,18	86,39	86,59	86,84	87,46	85,56	82,39	77,37	79,78		147,8
8282			72,14	79,43	80,55	79,28	80,36	80,76	85,94	83,56	84,64	82,63	82,25	80,75	77,46	76,47	74,49		146,1
10282			72,17	76,12	77,48	77,98	78,98	79,47	80,99	83,13	82,34	82,69	82,49	81,79	76,48	73,86	73,21		144,8
MEASURED OASPL			89,48	93,33	95,29	98,35	100,2	99,96	101,1	99,19	98,86	98,61	99,86	99,39	98,17	100,3	101,9		
CALCULATED OASPL			88,32	92,49	94,41	97,30	99,29	99,18	100,2	98,29	97,78	97,41	97,89	98,17	97,83	99,88	100,6		
PNDB			141,2	147,1	147,7	149,8	151,5	150,9	154,0	152,2	151,9	151,8	152,2	152,2	150,9	147,7	147,6		
																		OAPWL:	158,5

AMBIENT TEMP, 81,86
WET-BULB TEMP, 67,82
BAR. PRESSURE 29,35
ABS. HUMIDITY 12,66

SCALE MODEL ACOUSTIC TEST T/J 8/28/69 R/D 9/4/69-3

POINT2 RD=2.0 SPEED=8524

RADIAL DISTANCE 25a

DATE: 9/4/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET																	
	0.0	16.2	27.0	37.8	47.2	54.7	60.7	72.2	87.8	96.4	107.2	112.8	122.2	132.2	147.4	152.2	161.2	172.6 (PWL)
50			-6.68	-5.68	-6.85	-7.66	-6.94	-6.73	-6.46	-5.17	-4.71	-4.82	-2.84	-.867	-4.71	7.945	11.69	
63			-12.3	-11.8	-12.6	-9.22	-8.77	-7.68	-7.88	-2.62	-5.48	-3.14	-1.73	.2624	-2.54	7.314	11.22	
80			-12.6	-12.8	-9.91	-8.37	-7.62	-7.57	-6.41	-5.17	-4.99	-3.39	-1.35	1.821	-.844	7.825	11.13	
100			-9.32	-7.45	-7.48	-6.71	-6.76	-6.69	-5.17	-3.69	-3.23	-1.93	-.462	2.814	1.996	6.993	9.231	
125			-9.76	-8.89	-9.22	-8.94	-7.82	-5.75	-4.26	-2.96	-2.34	-.768	.8371	3.219	2.018	7.426	5.586	
160			-9.18	-7.14	-8.64	-8.82	-6.59	-5.24	-3.51	-2.32	-.898	.7484	1.479	4.436	2.993	5.888	1.868	
200			-8.21	-5.79	-7.48	-7.32	-5.74	-4.79	-3.64	-1.53	-.789	.8628	2.443	3.891	3.886	4.199	2.846	
250			-4.28	-4.66	-6.23	-6.49	-5.21	-4.28	-2.44	-1.55	.7447	2.321	3.873	3.622	.8148	.3692	3.519	
315			-4.81	-6.16	-3.32	-3.83	-3.47	-3.07	-3.13	-1.97	-.291	2.888	2.182	2.258	3.411	4.297	.9478	
400			-8.34	-5.65	-4.84	-4.82	-3.38	-3.27	-4.17	-3.48	-3.34	-1.62	.4888	3.333	3.463	3.966	.3488	
500			-8.65	-5.27	-3.32	-2.63	-2.92	-2.83	-1.74	-2.99	-3.72	-2.52	.9278	4.881	4.948	4.417	1.187	
630			-8.81	-5.66	-2.56	-1.07	1.189	1.897	.4741	-1.63	-2.84	-.463	.3916	2.708	2.749	.1382	-.982	
800			-1.7	-8.27	-5.69	-2.73	1.689	1.389	3.188	2.514	.8777	-1.19	-1.93	.1169	-1.11	-3.95	-4.34	
1000			-9.64	-8.22	-1.95	-1.42	-.891	.8697	.6113	.5963	-.913	1.831	1.257	1.117	1.291	-3.66	-2.19	
1250			-1.3	-10.4	-5.12	2.838	4.832	4.988	.8354	-.937	-2.54	-4.79	-6.75	-3.63	-8.47	-8.89	-8.76	
1600			-11.4	-8.58	-2.21	1.341	3.409	3.431	2.572	-.422	-.335	-2.31	-2.69	-1.74	-4.13	-5.14	-6.69	
2000			-7.99	-4.79	-.869	.6252	2.564	1.668	2.561	-1.08	-1.75	-.449	-.447	-.791	-1.64	-2.52	-4.28	
2500			-9.49	-5.89	-5.79	.9256	2.753	2.195	2.881	.8874	.1151	-.289	-1.19	-2.27	-1.43	-.486	-4.87	
3150			-8.74	-3.53	-1.95	1.241	3.887	1.933	.8296	.6837	-.828	-.683	-.881	-.986	-1.78	-.677	-3.98	
4000			-7.38	-3.63	.7214	.3323	2.513	1.282	-.485	1.765	-.517	-1.58	-.189	.1145	-2.98	-3.11	-3.03	
5000			-12.9	-3.34	-5.11	-3.02	-4.87	-3.88	5.532	1.419	1.364	1.231	1.543	-3.97	-5.89	-7.38	-7.67	
6300			-9.92	-2.97	-2.29	-1.26	-.867	-1.43	2.824	1.832	1.229	.6047	2.895	.1766	-2.97	-7.99	-8.66	
8000			-9.96	-2.67	-1.54	-2.52	-1.79	-1.34	3.842	1.461	2.544	.9388	.1343	-1.31	-4.63	-5.62	-7.61	
10000			-12.9	-4.57	-3.29	-3.19	-2.11	-1.23	.3625	2.439	2.651	2.888	1.796	1.895	-4.21	-7.64	-7.49	

AMBIENT TEMP, 81.62
VESSEL TEMP, 57.62
BAR. PRESSURE 29.25
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST 9/ 8/28/69 9/ 9/4/69-3

RUN=2 RDS=19 SPEED=6524

B29

RADIAL DISTANCE 25R

DATE: 9/04/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET																	(PWL)
	[illegible]	[illegible]	[illegible]	32,2	47,2	52,2	62,2	72,2	82,2	90,2	102,2	112,2	122,2	132,2	142,2	152,2	162,2	172,2	
50			56,64	67,31	66,87	55,89	64,22	66,18	66,46	78,26	65,84	67,13	67,89	68,36	65,41	71,42	73,61		125,9
63			61,12	48,48	61,21	69,32	61,66	63,75	64,17	79,48	63,95	68,74	66,89	66,62	74,88	72,27	73,83		129,2
80			51,38	61,59	62,55	62,47	62,22	62,59	63,42	84,75	64,25	65,22	66,16	66,76	64,12	69,74	71,24		123,1
100			62,98	61,11	62,55	62,37	62,64	64,94	64,95	84,88	66,39	66,89	67,39	67,68	65,84	69,92	70,19		124,1
125			61,39	61,12	64,97	61,84	62,22	63,19	63,52	64,67	69,56	66,46	67,85	67,73	67,75	70,57	69,22		124,4
160			58,95	58,49	64,19	61,16	61,44	63,41	63,99	87,83	65,44	68,82	66,99	67,36	66,78	68,44	67,37		123,9
200			64,27	62,05	62,98	64,16	62,23	64,12	64,98	78,56	64,92	73,43	67,41	67,49	69,28	68,28	67,26		126,1
250			56,64	58,98	55,67	55,95	57,32	58,45	68,39	68,74	62,42	63,63	64,82	63,32	61,85	61,48	62,39		119,7
315			57,89	55,71	58,87	58,39	57,89	56,17	58,36	63,63	68,28	61,31	68,87	58,26	68,14	68,49	57,43		118,4
400			56,62	58,93	62,62	61,57	61,23	58,46	57,23	59,69	58,36	68,72	68,63	61,43	64,64	64,62	59,38		119,5
500			61,29	63,49	63,57	64,79	64,35	62,74	62,87	62,44	61,43	61,99	63,68	65,95	67,45	66,66	65,38		122,8
630			63,84	65,94	67,16	67,94	66,71	65,89	66,89	65,74	65,82	65,64	66,92	69,87	69,88	66,99	65,49		125,8
800			64,89	68,51	70,79	72,11	68,99	67,99	67,52	67,95	68,19	69,86	69,47	70,67	68,69	67,82	66,92		127,9
1000			64,83	69,29	72,15	73,83	70,38	68,81	68,32	69,62	69,85	70,19	72,88	70,99	69,18	68,84	68,49		129,8
1250			64,12	67,95	70,83	72,96	69,88	68,94	68,38	67,68	67,46	68,87	70,09	68,67	67,66	66,34	67,19		128,1
1600			66,44	71,33	74,98	73,67	73,98	71,91	69,64	70,97	70,43	71,83	72,73	71,48	68,95	67,93	67,98		131,5
2000			65,19	71,37	74,89	72,74	72,91	70,83	71,17	70,27	71,61	72,74	73,47	72,38	70,29	69,19	69,18		131,8
2500			66,72	73,76	73,48	74,64	74,29	72,21	72,53	70,81	72,48	73,22	74,79	74,82	72,87	68,38	71,57		133,4
3150			74,72	82,22	85,89	84,76	84,32	83,95	81,91	83,95	83,53	86,86	84,88	85,53	79,79	76,97	79,92		144,4
4000			72,97	77,26	81,81	78,92	79,74	79,39	76,16	79,36	78,64	80,62	80,23	81,31	75,44	74,56	75,62		140,4
5000			65,85	75,59	75,71	74,77	74,84	73,68	75,23	74,17	75,84	76,44	75,37	75,29	72,25	71,56	73,33		136,2
6300			78,78	77,34	83,31	78,92	78,96	79,84	75,55	78,88	78,84	78,45	80,24	80,61	74,78	73,46	74,85		140,9
8000			65,66	73,69	77,88	75,49	74,88	74,64	73,49	74,17	75,66	74,66	77,89	77,27	72,88	70,81	73,78		139,2
10000			63,31	73,14	75,94	72,91	73,36	72,75	71,97	72,19	72,32	71,44	73,32	73,95	69,52	66,11	67,12		138,5
MEASURED OASPL			84,56	87,81	90,44	89,47	89,87	88,68	86,69	88,88	86,51	90,82	89,96	90,26	85,95	84,69	86,41		
CALCULATED OASPL			84,18	86,64	89,32	88,31	88,85	87,62	85,71	88,17	87,55	89,21	88,89	89,34	86,25	83,94	85,23		
PNDB			95,26	101,8	104,4	103,3	103,4	102,9	101,1	103,1	102,9	104,8	104,2	104,7	100,3	98,34	100,1		
																		OAPWL:	149,1

AMBIENT TEMP, 81,82
CORRECTED TEMP, 67,84
BAR. PRESSURE 29,84
ABS. HUMIDITY 12,65

SCALE MODEL ACOUSTIC TEST P/O 8/28/69 R/O 9/4/69-3

PLOT2 RDG=2 SPEED=54,3

RADIAL DISTANCE 250

DATE 9/24/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.0	14.2	34.2	54.2	74.2	82.2	90.2	98.2	102.0	112.2	122.2	130.2	140.2	150.2	160.2	170.2 (PWL)
52		,1198	-,606	-1,95	-2,32	-3,69	-1,74	-1,45	2,345	-2,67	-,789	-,821	,4452	-2,58	3,985	5,688
63		-12,3	-12,9	-12,2	-2,46	-9,71	-7,63	-7,21	6,821	-7,43	-2,64	-5,29	-4,76	2,784	,8956	1,648
82		-3,79	-3,58	-2,62	-2,89	-2,95	-2,50	-1,75	-,419	-,923	,0507	,9987	1,588	-1,85	4,573	6,889
100		-5,69	-4,96	-3,52	-3,89	-3,43	-1,13	-1,12	-,269	,3284	,8214	1,326	1,529	-,233	3,854	4,115
125		-4,84	-5,12	-5,26	-5,19	-4,85	-3,93	-2,71	-1,97	3,329	,2272	,8159	1,494	1,914	1,336	2,991
162		-6,73	-5,22	-5,51	-4,98	-4,28	-2,72	-1,71	1,324	-,267	3,993	1,284	1,658	1,868	2,729	1,662
227		-7,92	-5,74	-4,83	-3,64	-5,56	-3,67	-3,79	2,765	-2,88	5,661	-,384	-,385	1,412	,4879	-,935
252		-2,61	-3,17	-5,97	-5,91	-3,93	-2,62	-,856	-,569	1,175	2,377	3,173	2,274	-,195	,2314	1,138
315		-1,95	-4,13	-1,78	-1,45	-2,14	-3,07	-1,49	3,767	,4865	1,468	1,224	-1,58	,3281	,6519	-2,41
402		-4,22	-1,89	-,229	1,287	,4251	-2,36	-3,59	-1,13	-2,47	-,186	-,199	,5698	3,814	3,792	-1,48
502		-2,71	-,569	-,441	,9832	,3422	-1,27	-1,94	-1,56	-2,58	-2,81	-,324	1,939	3,441	2,685	-,629
631		-2,99	-,893	,3298	,8229	-,122	-,942	-,739	-1,09	-1,81	-1,19	,8846	2,239	2,246	,1009	-1,34
827		-3,99	-,361	1,993	1,219	,8936	-,942	-1,37	-,941	-,697	,1679	,5737	1,774	-,281	-1,37	-1,99
1002		-3,14	-,676	2,187	,8673	,4179	-1,95	-1,65	-,346	-,914	,2356	2,113	1,824	-,788	-1,93	-1,48
1252		-4,57	-1,12	2,102	1,985	1,212	,2691	-2,29	-,992	-1,21	-,576	1,416	,2814	-1,81	-2,33	-1,48
1602		-5,33	-,448	3,201	1,829	1,742	,1325	-2,13	-,799	-1,35	,0567	,9548	-,353	-2,82	-3,84	-4,19
2202		-6,67	-,495	2,225	,8816	,6523	-1,23	-,693	-1,59	-,254	,8740	1,687	,5107	-1,57	-2,68	-2,88
2502		-6,49	,5472	,2248	,8327	1,277	-,997	-,684	-2,48	-,729	2,812	1,578	,8284	-1,14	-4,83	-1,84
3152		-9,12	-1,62	1,284	,9198	,4777	,1129	-2,33	,1869	-,316	2,219	,9613	1,688	-4,84	-6,87	-3,92
4002		-8,27	-1,98	2,569	,8776	,5227	,1478	-3,88	,1146	-,882	1,382	,9869	1,969	-3,88	-4,68	-3,62
5027		-8,92	,8272	,9482	,8231	-,723	-,888	,4677	-,597	1,073	1,473	,8833	,5322	-2,48	-3,27	-4,43
6302		-7,64	-1,68	1,894	,4644	,5352	,0243	-2,87	-,418	,4236	,8331	1,819	2,191	-3,84	-7,96	-3,97
8002		-9,32	,5199	2,707	,3199	-,375	-,539	-1,68	-1,81	,4659	-1,32	1,914	2,889	-2,38	-4,37	-4,48
10002		-9,68	,7482	2,644	,5124	,9684	,3595	-1,32	-,283	-,897	-,959	,9252	1,559	-2,88	-6,28	-5,27

AMBIENT TEMP, 81.66
REFERENCE TEMP, 87.2x
BAR. PRESSURE 29.64
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST 7/0 8/28/69 R/D 9/4/69-3

RUN 82 RDG=2 SPEED=54.0

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RADIAL DISTANCE 25¢

DATE: 9/4/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	,0	14,2	24,2	30,0	42,0	52,7	67,2	72,2	80,2	93,0	102,0	110,0	122,0	130,2	144,2	158,2	168,2	178,0	(PWL)
FREQ.																			
50			69,39	68,89	67,92	66,95	66,72	66,38	66,32	70,72	67,54	68,34	69,86	70,85	66,15	73,72	75,97		127,1
63			62,72	62,15	64,57	72,08	64,22	64,77	64,69	79,47	66,81	69,89	67,79	69,81	74,27	73,99	75,24		129,9
80			62,72	62,57	63,32	63,71	64,85	63,97	64,69	65,92	65,93	66,95	67,89	69,17	69,75	71,79	73,64		124,9
100			63,56	64,17	64,97	65,33	65,19	66,65	67,51	69,31	70,07	69,22	69,66	70,24	67,94	72,14	72,94		126,1
125			62,61	62,66	62,76	62,88	64,85	64,45	65,19	66,38	70,78	68,19	69,21	70,10	69,68	72,92	71,53		126,2
160			62,42	61,48	64,97	62,17	62,95	63,94	65,36	68,61	66,92	68,75	69,87	69,63	68,26	78,41	69,23		125,3
200			61,39	62,88	66,19	65,24	64,15	68,26	70,11	72,63	68,74	69,14	78,79	69,34	69,64	69,82	68,58		127,3
250			58,68	59,87	57,14	56,57	58,85	59,49	64,94	62,18	63,97	65,46	65,78	65,96	63,88	64,38	64,86		121,2
315			58,88	57,17	58,73	59,48	58,36	57,88	59,16	64,22	62,19	63,54	62,43	68,63	61,75	61,94	61,87		119,8
400			57,89	60,11	62,26	62,71	61,81	59,85	58,88	60,89	60,56	61,77	62,93	64,73	67,89	65,35	60,59		121,2
500			62,54	63,78	64,45	66,21	65,89	64,74	64,22	65,39	63,47	64,49	66,88	69,37	70,13	67,23	64,83		124,9
630			65,39	67,67	68,36	69,32	67,97	68,72	67,93	67,81	67,92	69,45	69,63	71,48	71,81	67,66	67,18		127,8
800			66,67	70,35	72,16	71,68	69,97	69,53	69,11	69,39	69,84	71,43	71,88	72,22	70,17	67,96	68,62		129,7
1000			66,67	71,26	73,28	74,95	73,83	69,82	68,54	69,41	70,31	72,88	73,91	71,72	69,83	68,31	70,32		130,8
1250			66,18	69,69	71,27	72,07	72,28	70,84	69,16	69,69	70,29	71,48	72,48	70,54	69,64	67,18	69,34		130,2
1600			66,92	73,16	75,68	75,93	74,34	74,48	72,99	73,96	73,78	73,71	73,31	74,54	71,86	68,79	69,96		133,7
2000			67,71	73,83	75,24	74,87	74,64	72,77	72,09	72,18	74,55	74,83	75,49	74,92	71,55	70,83	70,98		135,8
2500			69,92	76,28	73,82	75,49	76,42	76,28	77,86	74,98	77,49	77,48	76,74	76,17	73,91	69,49	73,77		136,8
3150			74,27	81,61	81,92	82,35	82,78	81,96	86,14	82,12	84,61	82,45	82,35	83,15	78,84	74,14	78,89		142,4
4000			77,21	83,59	86,18	85,29	86,63	86,25	83,82	86,36	86,87	85,35	85,74	86,09	80,52	78,21	80,38		144,8
5000			69,85	77,83	75,04	76,38	76,58	75,82	79,28	76,68	81,83	78,89	78,51	78,44	74,36	73,88	73,14		139,1
6300			72,21	77,99	77,75	78,21	78,75	78,28	76,79	78,42	80,95	78,93	80,21	79,88	75,18	69,64	74,88		140,9
8000			70,47	78,63	79,53	77,23	77,39	77,22	76,28	78,85	79,83	78,57	78,28	79,38	74,62	72,52	73,77		141,0
10000			67,76	76,34	75,46	75,68	75,91	74,63	73,92	76,12	77,81	76,85	76,66	76,88	73,91	69,48	72,97		141,9
MEASURED OASPL			83,55	90,17	91,17	90,88	91,46	90,83	89,53	91,36	93,33	91,11	91,71	92,85	87,72	86,39	88,86		
CALCULATED OASPL			82,66	88,81	89,86	89,57	90,25	89,65	88,36	90,31	92,22	89,86	90,49	90,83	86,71	85,39	86,97		
PNOB			97,73	103,6	105,1	104,8	105,6	105,1	103,3	105,5	107,5	105,1	105,7	106,2	101,6	99,25	101,3		
																		OAPWL:	151,3

AMBIENT TEMP, 81,00
WET-BULB TEMP, 67,22
BAR. PRESSURE 29,34
ABS. HUMIDITY 12,26

SCALE MODEL ACOUSTIC TEST T/D 8/20/69 R/D 9/4/69-3

RUN#2 NOZ#21 SPEED=5730

B32

RADIAL DISTANCE 25.

DATE: 9/ 4/69

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	14.2	2	32.7	4	22.7	62.5	72.7	82.7	92.	102.2	112.2	122.2	132.	142.	152.	162.2	170.2 (PNdB)
50		.2869	-.418	-1.39	-2.76	-2.59	-2.93	-2.99	1.411	-1.76	-.974	-.250	.7303	-3.16	4.392	6.658	
63		-9.28	-9.86	-7.44	-1.93	-7.78	-7.23	-7.31	7.462	-5.99	-2.12	-4.22	-2.99	2.766	1.982	3.232	
80		-4.22	-4.37	-3.42	-3.24	-2.89	-3.37	-2.25	-1.42	-1.62	.2052	.9524	2.226	-1.19	4.844	6.698	
100		-5.12	-4.53	-3.73	-3.08	-3.51	-2.5	-1.19	.0118	1.369	.9202	.9686	1.535	-.764	3.439	4.238	
125		-5.47	-5.42	-5.32	-5.29	-4.83	-3.63	-2.88	-1.69	2.621	.1185	1.131	2.222	1.804	4.827	3.493	
162		-6.64	-5.58	-6.29	-4.59	-4.12	-3.22	-1.72	.9446	-.182	1.688	2.809	2.588	1.197	3.542	2.163	
200		-7.55	-5.27	-5.75	-3.21	-4.79	-.686	1.177	3.648	-.228	.1958	1.251	.3937	.6949	.8566	-.439	
250		-3.89	-3.65	-5.87	-4.24	-4.67	-3.62	-1.78	-.534	1.253	2.747	2.988	2.342	.3632	.5665	2.147	
315		-3.14	-4.25	-2.49	-2.19	-2.83	-4.23	-1.67	2.994	.9989	2.317	1.202	-.681	.5179	.7172	-.155	
400		-4.61	-2.48	-.244	.2224	-.695	-2.66	-3.63	-1.61	-1.95	-.739	.4257	2.226	4.382	3.842	-1.92	
500		-3.53	-2.29	-1.62	.1438	-1.73	-1.33	-1.85	-.665	-2.39	-1.57	-.861	3.304	4.869	1.163	-1.98	
630		-3.48	-1.21	-.511	.6458	-.984	-.159	-.943	-1.27	-.958	-.423	.7557	2.627	2.134	-1.22	-1.09	
800		-3.69	-.211	1.598	1.367	-.595	-1.44	-1.46	-.958	-.724	.8618	1.285	1.656	-.399	-3.21	-1.95	
1000		-4.25	.3365	2.357	.8264	-.293	-1.91	-2.39	-1.52	-.613	1.151	2.584	.7877	-1.12	-2.82	-.666	
1250		-4.55	-1.23	.5398	1.345	1.475	.1131	-1.57	-1.23	-.434	.6752	1.877	-.188	-1.88	-3.54	-1.39	
1600		-5.13	-.879	1.582	1.857	2.321	.4424	-1.85	-.875	-.251	-.382	-.723	.5886	-2.97	-5.44	-4.27	
2000		-6.29	.2841	1.417	1.243	.8223	-1.65	-.932	-1.64	.7319	.2879	1.072	1.293	-2.27	-3.79	-2.84	
2500		-5.28	.8789	-2.18	-.512	.4155	.2785	1.762	-1.23	1.494	2.462	.7419	.1714	-2.09	-6.82	-2.23	
3150		-7.75	-.419	-.189	.4244	.7543	-.852	-1.88	-.989	2.765	.4262	.3229	1.121	-3.99	-7.88	-3.93	
4000		-8.43	-2.85	.5357	-.336	.9886	.6163	-2.62	.7211	3.234	-.289	.0956	1.255	-5.12	-6.43	-5.26	
5000		-8.64	.1345	-2.86	-1.32	-1.11	-1.87	1.968	-1.21	3.362	1.284	.8135	.7520	-3.33	-4.61	-4.95	
6300		-5.27	-.484	-.719	-.239	.2781	-.272	-1.69	-.256	2.477	.4605	1.741	1.411	-3.29	-5.83	-3.67	
8000		-7.36	.7795	1.681	-.819	.8378	-.653	.4285	.1975	1.178	-1.28	1.436	1.449	-3.23	-5.33	-4.88	
10000		-8.82	.5742	-.324	.1123	-.359	-1.13	-1.85	.4261	2.239	-.916	2.881	.7388	-1.85	-6.29	-3.19	

AMBIENT PR P$_a$ 28.28
AMBIENT TEMP, 67.20
BAR. PRESSURE 29.24
DIR. ACTIVITY 14.66

SCALE MODEL ACOUSTIC TEST T/L 8/28/69 R/J 9/4/69-3

P$_a$ =2 =.3e21 SPdB=573

RADIAL DISTANCE 25'

DATE: 5/26/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	16.2	24.2	32.2	41.2	52.2	69.2	78.2	87.2	92.2	122.2	112.2	122.2	132.2	142.2	152.2	162.2	170.2	(PWL)
	ANGLES FROM INLET																	
50			69.73	69.66	67.69	66.74	66.65	66.45	67.13	70.72	67.47	69.49	69.83	71.26	66.84	74.77	77.65	127.7
63			62.83	62.97	63.25	70.12	63.67	64.61	65.83	79.43	66.98	76.59	69.34	78.14	74.58	74.91	76.55	138.2
80			62.62	62.57	63.52	63.71	64.56	63.84	65.35	66.68	66.84	68.63	68.82	78.29	67.19	73.47	75.69	126.8
100			65.34	66.49	65.43	65.76	68.91	68.41	71.26	74.17	74.88	72.22	71.39	72.75	69.52	73.82	74.84	130.6
125			63.48	64.18	63.34	63.89	64.88	65.25	66.54	67.75	71.33	69.18	78.47	71.23	78.68	74.19	72.57	127.3
160			61.13	62.78	61.79	62.78	63.66	64.29	65.89	68.72	67.81	69.18	69.67	78.47	69.38	71.97	69.98	126.1
200			65.16	65.16	64.59	64.47	66.73	67.67	65.95	71.86	68.38	71.18	73.74	71.75	69.74	71.17	78.36	128.1
250			59.33	59.81	57.78	56.97	58.85	59.24	60.67	62.86	63.97	64.94	65.77	65.86	63.62	63.37	63.69	121.8
315			56.88	56.58	59.58	59.82	58.39	56.39	58.18	63.63	61.27	62.49	61.11	68.76	63.63	63.96	68.71	119.6
400			58.03	61.52	62.78	63.12	63.87	61.41	60.66	62.19	64.56	62.32	63.48	66.37	68.94	67.75	62.98	122.9
500			62.99	65.27	65.47	66.71	67.38	65.88	66.15	66.35	65.89	65.27	67.38	78.19	71.35	69.13	65.62	126.1
630			66.42	69.25	69.42	71.22	69.54	69.32	69.79	69.63	72.88	70.53	78.76	72.26	72.35	69.71	68.69	129.3
800			67.55	71.17	73.35	72.92	70.48	69.82	69.89	78.62	78.86	72.82	72.55	72.96	71.37	69.11	69.88	130.6
1000			68.26	71.71	75.33	72.74	70.34	69.26	68.14	69.83	69.65	71.77	72.44	71.91	78.91	69.61	71.40	134.5
1250			67.59	70.57	73.58	72.89	74.88	72.26	72.63	72.14	78.54	71.65	71.58	71.69	78.75	68.49	65.21	131.3
1600			69.66	73.99	76.61	76.95	78.96	74.58	73.72	75.28	74.27	73.92	78.44	75.38	72.29	78.96	78.91	134.9
2000			68.94	73.23	76.28	75.90	73.59	72.29	72.82	72.18	72.84	74.99	75.89	74.27	72.93	71.73	71.83	133.7
2500			76.36	77.98	78.45	78.17	77.37	74.64	77.29	75.73	77.43	78.84	77.29	76.17	74.24	69.96	73.13	136.9
3150			73.48	79.49	80.93	81.09	80.48	78.18	78.69	82.47	80.83	81.72	80.42	80.45	77.38	73.17	77.19	140.8
4000			77.79	81.24	86.96	87.01	85.98	84.19	86.39	87.38	85.82	85.97	86.84	87.72	88.62	82.22	86.22	146.6
5000			69.16	77.18	76.29	77.48	77.16	74.92	78.46	76.68	78.95	80.67	77.47	77.78	75.68	73.22	73.14	139.1
6300			72.43	77.03	77.79	79.36	79.88	77.67	77.79	76.45	81.81	81.72	79.98	78.91	77.18	78.79	75.38	141.4
8000			72.61	78.38	79.14	77.95	76.83	75.69	78.89	76.78	77.71	78.87	76.62	77.67	74.79	73.71	72.66	141.2
10000			68.36	74.99	74.53	77.56	73.16	74.61	72.71	73.84	75.74	78.23	79.88	76.63	74.41	69.99	75.33	141.7
MEASURED DASPL			83.96	89.27	91.63	92.65	90.81	89.41	88.97	91.53	91.42	92.86	91.97	92.83	88.37	88.12	86.61	
CALCULATED DASPL			83.11	87.93	92.34	90.37	89.01	88.13	87.69	90.56	90.19	90.82	90.37	90.97	87.18	87.83	87.51	
P DB			90.28	102.4	105.8	106.5	105.1	103.6	101.9	106.7	105.4	105.9	105.8	106.7	102.1	102.8	101.5	

DAPWL: 151.8

AMBIENT TEMP, 81.88
MICROPHONE TEMP, 87.26
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.88

SCALE MODEL ACOUSTIC TEST T/D 6/28/69 R/D 5/4/69-3

RUN# MOD=22 SPEED=6.5

RADIAL DISTANCE 256

DATE: 9/24/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	14.2	37.2	42.2	72.2	97.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50	-,186	-,281	-2,24	-3,19	-3,29	-3,49	-2,81	,7941	-2,27	-,538	-,186	1,117	-3,12	4,765	7,113	
63	-9,51	-9,37	-9,29	-2,22	-8,47	-7,73	-7,31	7,289	-5,36	-1,73	-3,88	-2,28	2,232	2,613	4,265	
80	-6,66	-5,58	-4,95	-4,97	-3,52	-4,23	-2,72	-1,19	-1,23	-,8465	,7479	2,821	-,878	5,395	7,615	
100	-6,23	-5,67	-6,14	-5,81	-2,65	-3,16	-,389	2,627	2,512	,0502	-,182	1,179	-2,85	2,295	3,269	
125	-5,09	-4,96	-5,79	-5,44	-4,17	-3,88	-2,56	-1,38	2,194	,8449	1,338	2,894	1,944	5,852	3,439	
160	-6,77	-5,11	-6,38	-5,11	-4,81	-3,68	-1,99	,8252	-,842	1,248	1,777	2,576	1,681	4,883	2,369	
200	-4,33	-4,54	-9,11	-5,53	-2,97	-1,03	-3,82	2,172	-1,33	1,476	4,835	2,843	,0394	-,465	,6565	
250	-3,39	-2,91	-5,22	-5,79	-4,67	-3,48	-2,85	-,662	1,246	2,719	3,251	2,335	,9028	,6585	2,367	
315	-2,91	-4,42	-1,49	-1,38	-2,68	-4,61	-2,82	2,031	,2736	1,521	,1898	-,234	2,033	2,508	-,289	
400	-4,97	-2,29	-1,02	-,7202	-,731	-2,39	-3,12	-1,61	-3,24	-1,49	-,398	2,573	5,148	3,946	-1,29	
500	-4,33	-2,04	-1,84	-,3041	-,227	-1,43	-1,15	-,957	-1,41	-2,84	,0761	2,882	4,948	1,825	-1,98	
630	-3,93	-1,89	-,926	,8743	-,797	-1,82	-,556	-,711	-,264	,1858	,4198	1,935	2,817	-,831	-,64	
800	-3,93	-,319	1,878	1,428	-1,87	-1,67	-1,58	-,856	-,612	1,326	1,874	1,479	-,466	-2,36	-1,59	
1000	-2,99	,4674	4,885	1,491	-,987	-1,98	-3,12	-2,22	-1,59	,9227	1,196	,6614	-,337	-1,64	,2352	
1250	-4,22	-1,24	1,769	1,279	2,189	,4481	-1,18	,3322	-1,28	-,157	-,232	,8858	-1,86	-3,31	-2,99	
1600	-5,51	-1,19	1,639	1,782	1,786	-,986	-1,45	-,171	-,965	,7453	1,287	,4869	-2,88	-4,62	-4,27	
2000	-4,63	-,948	2,484	1,815	-,188	-1,47	-,652	-1,67	-,931	1,213	1,318	,4949	-1,24	-2,84	-1,94	
2500	-6,38	1,237	-,297	1,423	,8244	-2,12	,5455	-1,01	,6848	2,296	,5428	-,573	-2,91	-6,78	-3,82	
3150	-6,00	-,388	,5515	1,810	,3969	-,919	-1,30	,3859	,7438	1,638	,3351	,3659	-2,68	-6,91	-2,88	
4000	-7,65	-4,29	1,518	2,169	,4889	-1,25	-5,89	1,861	,3631	,9272	,0880	2,283	-4,82	-3,22	-5,22	
5000	-6,47	-,454	-1,33	-,198	-,471	-2,71	,8492	-,940	2,319	3,844	-,164	,1512	-1,93	-4,43	-4,49	
6300	-6,56	-1,36	-1,28	,9726	,2118	-1,32	-1,19	-,536	2,617	2,732	,5872	,9248	-1,81	-8,22	-3,79	
8000	-6,59	1,184	1,958	,4658	-1,16	-1,49	1,726	-,412	,5203	,8819	-,569	,6245	-2,39	-3,46	-4,53	
10000	-7,62	-,579	-,744	1,892	-2,41	-1,56	-2,86	-1,73	,1673	,6636	4,251	1,857	-1,13	-5,58	-,237	

AMBIENT TEMP, 81,20
WET-BULB TEMP, 67,20
BAR, PRESSURE 29,84
ABS, HUMIDITY 12,66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN#2 NOZ#22 SPEED=672F

RADIAL DISTANCE 250

DATE: 9/24/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ.	6.2	12.2	2 ..	32.2	4:.2	5c.2	62.2	72.2	82.2	92.2	102.0	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P-L)
50			69,39	69,14	67,29	60,99	66,52	67,15	67,26	72,99	68,18	69,88	70,38	71,42	67,12	75,39	77,69		128,1
63			63,68	63,36	63,88	72,49	64,72	65,17	65,89	79,49	67,40	71,85	69,83	71,22	74,42	79,81	77,69		138,6
80			62,38	63,17	63,71	64,97	64,98	64,69	66,25	67,43	67,74	68,99	70,81	71,62	68,44	74,63	76,86		126,9
100			66,22	66,76	67,23	66,69	69,89	70,13	72,13	75,52	76,31	75,85	72,57	74,44	76,77	76,89	75,22		131,2
125			64,73	64,64	64,19	64,31	65,71	66,46	67,45	68,77	72,63	70,46	71,88	72,68	71,98	75,54	73,99		128,5
160			61,55	62,78	61,91	63,26	64,32	65,33	66,61	68,99	68,67	69,94	70,63	71,43	70,68	72,99	72,89		127,8
200			63,67	62,99	62,58	64,97	64,32	65,78	67,46	71,43	68,49	72,13	74,12	71,55	72,39	71,86	70,83		128,3
250			61,86	62,69	58,39	57,88	58,87	60,11	62,49	63,42	64,83	65,81	66,94	66,37	65,52	68,16	66,34		122,4
315			59,63	56,98	62,21	60,17	56,19	57,76	59,82	64,41	62,86	62,29	2,22	62,14	64,24	64,61	62,39		120,4
400			59,51	61,52	63,83	63,66	63,82	62,42	60,41	62,67	62,19	63,19	64,68	67,12	69,97	68,67	63,73		123,4
500			63,42	65,64	66,38	67,79	67,79	66,76	65,86	66,19	66,74	66,37	68,77	71,02	72,22	70,23	66,75		126,9
630			66,78	69,25	72,25	72,39	70,88	70,14	70,25	69,42	70,71	71,41	71,87	73,14	73,55	75,70	69,82		129,9
800			67,93	71,36	73,44	73,40	71,36	70,71	70,84	71,13	71,88	72,42	73,23	73,63	72,25	69,99	70,58		131,1
1000			66,78	72,24	74,53	72,36	71,57	69,73	69,53	70,41	69,96	70,37	72,44	72,28	71,93	70,32	71,04		130,7
1250			67,65	70,65	73,64	73,46	74,83	73,08	70,93	72,18	72,35	73,39	73,45	72,73	71,47	69,11	69,61		131,9
1600			69,39	74,84	77,19	77,63	77,69	76,82	74,95	75,91	75,36	75,90	77,83	76,68	72,58	71,20	71,25		133,6
2000			69,33	73,83	75,92	75,86	75,18	73,95	74,24	73,68	74,15	74,46	75,52	75,49	73,17	72,13	72,41		134,4
2500			69,56	77,71	76,29	76,42	76,44	77,77	76,72	76,62	76,56	79,83	76,29	77,21	74,82	73,69	73,88		137,8
3150			73,44	80,80	80,82	81,51	81,31	80,99	79,72	80,98	82,19	82,14	81,37	81,71	77,66	75,17	77,48		141,3
4000			77,27	81,86	87,39	87,19	86,97	86,74	82,86	84,72	89,40	87,94	85,36	87,84	81,74	81,68	81,18		147,8
5000			69,21	77,14	76,51	77,63	76,94	77,16	79,49	78,29	80,45	80,65	76,84	78,34	75,18	73,73	73,55		139,7
6300			73,13	76,23	78,67	79,72	78,79	80,93	81,76	81,96	83,61	84,82	82,16	82,81	78,88	78,35	76,83		143,9
8000			69,82	78,46	78,89	77,66	77,29	77,12	79,96	78,33	79,52	79,92	78,49	79,26	75,58	73,88	73,65		142,3
10000			70,84	75,53	77,09	76,38	75,14	74,62	73,92	75,42	75,93	75,23	82,14	78,28	74,61	78,91	74,49		142,8
MEASURED OASPL			84,41	89,61	91,92	92,28	92,76	91,53	90,71	92,13	93,68	93,37	92,49	92,96	89,16	88,59	89,34		
CALCULATED OASPL			83,13	88,24	90,64	92,74	91,82	90,26	89,44	91,81	92,53	92,22	91,16	91,73	88,84	87,41	88,21		
PNDB			98,12	102,8	106,2	106,2	107,2	105,8	103,9	106,2	108,0	107,4	105,9	107,3	102,9	102,8	102,3		
																		OAPWL:	152,2

AMBIENT TEMP, 81.82
AMBIENT TEMP, 67.88
BAR. PRESSURE 29.24
ABS. HUMIDITY 52.86

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69&3

RUN22 RUN=23 SPEED=6162

B36

RADIAL DISTANCE 230

DATE: 9/24/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	16.6	46.6	62.7	82.8	92.8	102.8	112.8	122.8	132.8	142.8	152.7	162.8	172.8 (PWL)
50	-.719	-1.17	-3.23	-3.32	-3.78	-3.16	-3.86	.6746	-2.14	-.513	.0659	1.186	-3.19	5.077	7.373		
63	-5.91	-9.34	-8.81	-2.49	-7.95	-7.53	-6.81	6.804	-5.29	-1.64	-2.86	-1.47	1.729	3.112	4.994		
80	-6.62	-5.83	-5.29	-4.33	-4.84	-4.32	-2.74	-1.57	-1.26	-.813	1.818	2.621	-.562	5.832	7.881		
100	-4.91	-6.38	-5.98	-7.24	-3.24	-3.22	-1.88	2.383	3.179	1.897	-.562	1.389	-2.37	1.791	2.882		
125	-5.57	-5.47	-6.16	-5.79	-4.59	-3.85	-2.85	-1.54	1.726	.1698	1.979	2.374	1.879	5.232	3.689		
160	-7.12	-5.99	-6.86	-5.51	-4.46	-3.45	-2.18	.2211	-.183	1.166	1.857	2.636	1.885	4.282	3.317		
200	-6.84	-6.92	-7.35	-5.35	-5.89	-4.14	-2.45	1.518	-1.41	2.217	4.287	1.642	2.473	1.144	.1165		
250	-3.12	-3.87	-5.56	-6.68	-5.09	-3.85	-1.46	-.546	.6733	1.648	2.979	2.665	1.998	1.198	2.379		
315	-2.81	-4.84	-4.63	-1.67	-2.65	-4.68	-2.82	2.572	.2233	.4562	.3844	.3827	2.486	2.771	.9563		
400	-5.18	-3.19	-.881	-1.24	-.872	-2.27	-4.28	-2.83	-2.49	-1.58	-.814	2.484	5.282	4.181	-.984		
500	-4.66	-2.44	-1.69	-.298	-.295	-1.32	-2.22	-1.89	-1.34	-1.71	.8873	2.937	4.139	2.146	-1.34		
630	-4.24	-1.77	-.987	.3454	-.935	-.877	-.769	-1.59	-.512	.3897	.8474	2.117	2.932	-.317	-1.28		
800	-4.62	-.594	1.492	1.196	-.592	-1.24	-1.12	-.798	-.952	.4693	1.276	1.661	.3885	-1.95	-1.45		
1000	-2.66	.7964	3.279	.9241	.1195	-1.71	-1.92	-1.84	-1.48	-1.88	.6941	.8385	.5842	-.12	.3878		
1250	-5.49	-1.89	1.284	.9185	1.483	.5352	-1.62	-.441	-.197	.8494	.0867	.1894	-1.87	-3.48	-2.93		
1600	-6.92	-1.85	1.249	1.133	1.789	.1224	-.949	.0865	-.542	.8848	1.628	.7843	-3.37	-4.69	-4.65		
2000	-5.15	-.654	1.443	1.388	.6987	-.926	-.242	-.835	-.331	-.824	1.837	1.813	-1.31	-2.59	-2.87		
2500	-8.24	.1188	1.29	.9298	.8382	.1699	1.126	-.977	.9826	1.428	.4886	-.384	-2.77	-5.89	-3.74		
3150	-7.34	-.786	-.163	.7275	.5225	.2877	-1.88	.1284	1.489	1.352	.5872	.9273	-3.12	-7.61	-3.38		
4000	-9.38	-4.79	.7421	.8378	2.311	.0864	-3.79	.2647	2.744	1.279	-1.35	1.181	-4.92	-8.88	-5.38		
5000	-8.99	-1.86	-1.69	-1.17	-1.26	-1.64	1.382	.0961	2.248	2.449	.6362	.1383	-3.82	-4.47	-4.65		
6300	-6.28	-3.19	-2.75	-1.69	-1.82	-.498	.3414	.5486	2.197	3.587	.7429	.5938	-3.34	-8.86	-4.59		
8000	-8.49	.1347	.9642	-.647	-1.83	-1.19	1.634	.8548	1.195	1.682	.1649	.9324	-2.82	-4.45	-5.28		
10000	-6.59	-1.89	.4643	-.783	-1.49	-1.83	-2.71	-1.21	-.698	-1.48	5.918	1.647	-2.82	-8.22	-2.13		

AMBIENT TEMP, 81.22
WET-BULB TEMP, 67.20
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/6963

RUN=2 RDG=23 SPEED=6152

RADIAL DISTANCE 25R

DATE: 9/24/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET																	
	,2	16,2	2?,2	32,2	42,2	52,2	62,2	72,2	82,2	92,2	102,2	112,2	122,2	132,2	142,2	152,2	162,2	172,2 (FWL)
52			74,75	78,77	78,58	78,73	69,34	72,47	69,13	72,17	69,66	71,81	71,49	72,49	68,12	77,59	88,31	138,1
63			64,27	64,26	67,24	72,95	67,33	68,87	67,26	79,96	68,54	71,64	71,35	72,58	74,87	78,69	88,43	151,6
82			61,89	52,88	65,62	66,88	66,72	67,39	67,26	68,62	68,95	78,19	71,42	72,64	69,73	76,35	78,36	128,5
122			66,72	68,49	69,45	67,72	67,86	68,97	72,96	75,65	73,15	74,88	72,54	73,31	73,15	76,63	77,69	131,8
125			65,17	65,82	66,61	66,49	67,34	68,29	69,49	71,51	72,94	72,15	72,76	73,69	73,26	77,87	75,36	129,9
160			62,73	63,92	63,81	64,72	66,22	67,52	68,45	70,37	70,18	71,18	71,92	72,79	71,91	74,31	72,92	128,4
227			62,51	63,37	62,56	65,26	65,85	65,92	67,92	72,52	70,47	71,44	73,82	73,12	71,62	78,78	78,24	128,4
252			60,65	60,63	59,64	59,62	61,57	63,48	64,88	65,94	67,49	68,31	66,74	68,04	68,17	64,76	66,47	124,2
315			59,83	58,43	62,67	61,29	61,22	61,63	62,93	66,18	64,65	64,95	63,49	63,12	66,34	64,71	62,99	122,4
402			62,59	63,38	65,16	64,29	64,91	61,76	61,71	63,43	63,13	64,72	65,72	69,15	72,17	78,96	66,61	124,9
502			64,68	66,67	68,19	68,74	68,92	65,88	65,71	66,64	66,67	66,75	69,97	72,72	73,64	71,47	68,88	127,0
632			66,92	69,15	70,56	71,55	70,96	69,98	70,47	69,98	71,83	71,69	73,18	74,44	74,98	71,48	71,44	130,7
802			67,35	70,61	73,91	72,59	72,29	71,62	72,13	72,25	72,49	73,85	74,59	74,98	73,15	78,13	78,04	131,9
1202			67,17	71,11	73,73	71,84	73,00	72,44	72,88	72,79	72,89	73,30	74,36	73,48	72,47	69,79	71,26	132,2
1252			66,91	70,32	73,98	74,09	74,38	72,15	71,77	73,83	74,81	73,86	75,33	73,39	72,69	69,94	70,14	132,9
1602			68,79	73,78	77,53	77,19	76,48	74,58	73,41	74,92	75,79	76,19	77,38	76,88	73,28	71,66	72,58	135,5
2202			67,62	73,12	77,20	74,82	76,38	74,75	74,14	74,87	75,39	75,76	76,31	75,92	73,91	71,36	72,28	135,2
2502			66,49	72,31	75,94	77,87	76,84	77,21	76,72	76,57	76,83	76,16	76,85	76,94	74,33	69,49	73,54	137,7
3152			71,66	79,85	81,38	82,58	81,78	80,58	80,63	81,29	82,12	82,89	81,41	80,99	77,11	72,18	77,55	141,3
4202			75,99	81,12	86,79	86,49	89,33	87,51	85,64	86,37	85,28	86,45	84,63	87,42	88,85	88,69	88,26	147,2
5202			68,25	77,33	77,34	77,26	78,83	77,48	80,14	78,41	80,73	80,27	79,69	78,39	74,89	73,76	73,41	139,9
6302			72,72	78,39	79,48	82,14	82,71	81,73	83,89	82,77	87,12	83,97	84,62	81,99	78,32	72,39	76,94	145,2
8402			67,64	78,36	78,92	77,98	78,38	77,47	80,37	78,63	81,84	78,41	78,28	78,78	78,55	73,34	72,81	142,8
12702			66,25	75,91	75,33	74,36	76,16	75,39	79,29	75,63	76,85	77,88	80,33	80,34	74,38	69,44	72,33	142,8
MEASURED OASPL			82,91	89,41	92,12	91,74	93,63	98,11	92,11	92,46	93,33	92,91	92,78	93,12	89,21	89,13	98,28	
CALCULATED OASPL			82,26	88,85	90,78	92,34	98,33	98,79	98,79	91,23	92,13	91,59	91,48	91,81	88,83	87,94	89,88	
PNDB			97,42	102,9	104,1	105,8	107,9	108,4	105,8	104,3	104,3	104,7	105,9	107,8	102,3	101,7	102,1	

OAPWL: 152,4

AMBIENT TEMP, 81,22
WET-BULB TEMP, 67,22
BAR. PRESSURE 29,34
ABS. HUMIDITY 12,68

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RCD=24 SPEED=6457

818

RADIAL DISTANCE 25R

DATE: 9/24/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	16,2	2	32,2	48,2	64,2	80,2	96,2	112,2	128,2	144,2	160,2	176,2 (PWL)
5.	-1,50	-1,93	-1,72	-1,27	-2,96	-1,84	-3,17	-,131	-2,64	-1,29	-,812	,1984	-4,18	5,288	5,218
63	-9,74	-9,66	-6,87	-1,97	-6,58	-5,65	-6,66	0,244	-5,37	-2,28	-2,87	-1,42	,9527	4,173	6,512
87	-8,68	-7,69	-5,15	-3,89	-3,85	-3,18	-3,21	-1,75	-2,63	-,388	,8455	2,868	-,643	5,779	7,982
125	-6,63	-4,46	-3,52	-5,64	-5,89	-3,98	-,398	2,892	,1957	1,122	-,413	,3533	,1955	3,672	4,738
175	-6,97	-5,92	-5,13	-5,24	-4,42	-3,66	-2,25	-,237	1,198	,4128	1,821	1,943	1,916	5,327	5,876
250	-7,45	-6,28	-6,38	-5,46	-3,98	-2,66	-1,73	,1839	-,885	,9951	1,736	2,624	1,722	4,326	2,783
350	-7,58	-6,72	-7,53	-4,83	-5,84	-4,17	-2,57	2,433	,3831	1,346	2,926	3,834	1,929	,8852	,1477
500	-4,87	-5,11	-6,29	-6,71	-4,16	-2,33	-,847	,2872	1,756	2,575	3,011	2,365	-,561	-,968	,7371
715	-4,83	-5,43	-1,19	-2,36	-2,64	-2,23	-,927	2,242	,7937	1,287	-,374	-,735	2,479	2,849	-,873
1000	-5,64	-2,93	-1,87	-2,14	-1,72	-4,47	-4,52	-2,88	-3,89	-1,91	-,513	2,933	5,941	4,729	,3818
1400	-4,39	-2,41	-,892	-,339	-,275	-3,22	-3,37	-2,44	-2,41	-2,33	,8872	3,641	4,959	2,389	-,197
2000	-4,82	-2,57	-1,16	-,177	-,769	-1,85	-1,25	-1,74	-,697	-,229	1,456	2,718	3,176	-,242	-,262
2800	-5,51	-2,25	1,247	-,272	-,572	-1,84	-,727	-,611	-,367	,9929	1,736	2,848	,2918	-2,73	-1,92
4000	-5,79	-1,85	2,709	-1,12	,1287	-,524	-,379	-,173	-,274	,4326	1,488	,4424	-,491	-3,17	-1,69
5600	-6,11	-2,71	,9578	1,663	1,358	-,271	-1,26	,8812	,9833	,8381	,3891	,3787	-,339	-3,48	-2,89
8000	-7,64	-2,13	1,498	1,358	2,999	-1,25	-2,42	-,916	-,245	,3647	1,472	1,848	-2,63	-4,18	-3,33
11200	-7,63	-2,13	2,849	-,421	1,139	-,481	,8093	-,568	,1598	,5222	1,876	,2823	-2,32	-3,88	-2,96
16000	-8,97	-,156	-1,52	,4257	1,171	-,252	1,257	-,893	1,359	1,698	,5813	-,928	-3,13	-7,78	-3,93
22500	-9,11	-,924	,5355	-,210	1,818	-,194	-,143	,5243	1,348	1,329	,6365	,2183	-3,66	-8,59	-3,22
31500	-12,2	-4,91	,7678	,4573	3,207	1,488	-,395	,3372	-,759	,4197	-1,48	1,391	-8,98	-5,33	-5,77
45000	-10,3	-1,17	-1,18	-1,24	,3321	-1,22	1,641	-,895	2,226	1,762	,5617	-,148	-3,91	-4,74	-5,69
63000	-9,69	-4,11	-5,23	-2,97	,8084	-,971	,3918	,8598	4,419	,8628	1,919	-,786	-4,39	-10,3	-8,77
90000	-11,2	-,448	,1288	-1,31	,5136	-1,33	1,565	-,177	2,229	,6024	,3947	,9986	-3,25	-8,46	-8,99
126000	-12,9	-1,17	-,341	-2,91	-,512	-1,28	-1,38	-,849	,1782	,4866	3,858	3,661	-2,28	-7,24	-4,34

AMBIENT TEMP, 81.20
WET-BULB TEMP, 67.22
BAR, PRESS RE 29.24
ABS, HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/U 8/28/69 R/D 9/4/69-3

RUN 62 RPM=24 SPEED=6467

B.9

RADIAL DISTANCE 250

DATE: 9/24/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ.	2.0	16.2	24.3	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
63			72.91	73.23	71.14	70.35	70.19	72.54	69.58	72.65	69.66	71.53	71.98	73.88	68.55	77.79	80.34	138.9
83			64.91	64.43	67.81	75.37	68.39	71.47	67.99	80.33	68.89	72.12	71.56	73.38	74.67	78.41	80.51	132.4
83			62.14	62.68	66.82	72.93	67.86	69.41	66.16	69.57	69.34	70.79	72.08	73.49	78.95	77.56	79.14	129.7
100			66.58	66.37	67.59	71.46	68.81	70.56	72.17	73.87	73.19	73.88	73.27	74.67	73.86	77.72	78.28	131.2
125			65.97	65.89	67.85	69.74	68.35	69.59	72.85	72.52	73.43	72.73	73.79	74.83	74.55	78.28	76.71	130.9
162			63.28	64.92	65.26	67.92	67.04	68.42	69.45	71.89	76.71	72.23	73.84	73.78	73.44	75.45	74.49	129.5
207			63.67	64.85	64.16	67.13	66.87	67.35	69.39	73.72	71.88	73.25	74.28	74.29	73.23	72.75	72.29	129.9
252			61.92	62.89	61.65	63.46	63.44	65.27	67.22	68.67	69.58	71.88	71.76	71.88	68.81	67.79	68.28	129.9
315			64.73	59.23	62.98	63.38	62.56	63.51	65.32	68.89	66.58	67.91	66.51	65.87	65.95	66.98	64.19	124.1
422			61.27	62.51	55.88	60.21	64.04	63.04	64.83	65.56	64.94	66.56	66.46	68.73	71.93	71.24	68.45	125.3
527			65.24	66.68	68.38	69.24	68.81	66.44	66.99	67.14	66.67	67.81	69.93	72.66	74.87	72.46	69.31	128.3
633			67.34	69.59	72.33	72.45	71.04	70.28	71.94	73.23	70.67	71.98	73.42	75.15	75.74	72.82	71.73	131.2
827			68.68	71.21	73.42	73.79	72.29	71.03	72.71	72.29	72.23	73.94	74.68	75.78	74.42	71.55	71.94	132.4
1252			68.15	72.12	76.26	76.12	74.12	73.25	73.73	73.97	73.11	74.47	75.31	75.27	73.99	71.72	72.32	133.5
1252			67.99	73.83	75.88	75.28	73.16	73.37	73.16	74.22	73.87	73.94	74.16	73.88	72.47	70.28	70.77	133.2
1582			69.47	73.24	75.97	76.23	75.81	73.79	72.94	75.27	74.53	75.39	76.23	75.92	72.82	72.87	71.38	134.4
2782			68.52	74.13	76.88	76.23	77.18	74.75	76.13	75.71	75.74	76.89	77.86	77.29	75.68	72.59	72.28	135.9
2582			69.54	77.68	75.97	78.79	77.44	77.18	80.81	77.78	78.74	78.52	78.33	76.94	78.37	73.13	74.18	138.8
3152			73.23	98.39	82.93	81.87	81.76	81.08	81.33	82.55	82.11	82.76	82.69	82.89	77.89	75.36	77.31	141.9
3902			77.66	83.36	88.71	89.43	86.96	86.23	86.74	89.74	87.28	85.81	86.29	87.74	81.69	83.99	81.84	145.3
5222			72.11	78.79	78.62	78.13	79.31	78.82	81.32	80.94	81.25	80.81	80.62	79.69	76.47	76.81	74.88	141.2
6302			73.53	79.61	79.87	81.13	81.79	82.65	82.39	86.85	86.39	86.59	85.92	82.48	78.76	72.95	77.81	146.2
8782			69.71	80.18	79.89	79.12	79.18	78.33	80.89	80.41	80.98	80.88	80.69	81.22	77.12	75.58	73.77	143.8
12282			67.56	76.85	75.71	74.79	75.26	74.91	75.92	76.56	76.21	77.53	80.75	80.69	79.44	78.46	71.79	143.2
MEASURED OASPL			84.14	98.55	92.82	92.49	93.17	92.68	92.64	94.79	93.79	93.64	93.93	93.77	90.24	90.72	90.71	
CALCULATED OASPL			83.32	89.21	91.56	91.25	91.04	91.49	91.43	93.67	92.91	92.48	92.87	92.48	89.82	89.49	89.92	
PWLB			98.47	103.9	107.3	106.9	107.6	107.1	106.7	108.8	107.3	106.9	107.2	107.0	103.6	103.9	102.7	

OAPWL: 153.3

AMBIENT TEMP, 83.88
REFERENCE TEMP, 68.00
BAR. PRESSURE 29.84
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST W/O 8/28/69 R/O 9/4/69-3

R.S=2 RDG=25 SPEED=6623

RADIAL DISTANCE 250

DATE: 9/4/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 6.0	16.2	24.4	32.8	40.8	50.7	60.8	70.2	82.3	96.2	100.8	110.8	120.8	132.2	146.2	158.2	168.8	178.8 (PWL)
92		-2,58	-2,96	-2,85	3,339	-2,99	-,656	-3,01	-,946	-3,53	-3,66	-1,22	-,117	-4,84	4,596	7,145		
63		-9,63	-18,1	-6,72	,9698	-6,13	-3,46	-6,54	5,794	-5,64	-2,42	-2,97	-1,23	,1321	3,879	5,973		
82		-9,62	-9,89	-5,16	1,806	-3,91	-2,36	-3,59	-2,19	-2,42	-1,81	,3191	1,733	-,813	5,794	7,376		
122		-6,56	-6,77	-5,55	-1,08	-4,33	-2,58	-,969	,7282	,8466	-,845	,1343	1,928	,7229	4,584	5,864		
125		-7,16	-6,94	-5,78	-3,69	-4,47	-3,23	-1,98	-,311	,6831	-,894	,9611	2,884	1,726	5,374	3,888		
162		-7,99	-6,75	-6,21	-3,34	-4,22	-2,85	-1,82	-,178	-,561	,9588	1,777	2,515	2,169	4,185	3,238		
202		-8,47	-8,09	-7,38	-4,41	-5,47	-4,19	-2,44	2,179	,2583	1,711	2,737	2,744	1,691	1,289	,7589		
257		-6,48	-5,56	-6,69	-4,94	-4,96	-3,13	-1,37	,2748	1,179	2,603	3,362	2,681	,4157	-,686	-,194		
315		-4,82	-4,32	-2,88	-2,18	-2,99	-2,65	-,849	2,536	1,824	1,953	,9619	-,606	,3924	1,551	-,48		
422		-5,47	-4,26	-1,08	-1,58	-1,92	-3,72	-2,73	-1,28	-1,82	-,289	-,388	1,974	3,174	4,479	-,335		
5[illegible]		-4,39	-2,76	-1,14	-,401	-,632	-3,81	-2,48	-2,38	-2,77	-1,64	,4071	3,219	4,628	3,819	-,128		
63[illegible]		-4,92	-2,67	-1,73	,1872	-1,22	-1,98	-,325	-2,83	-1,59	-,282	1,162	2,893	3,477	,9487	-,526		
822		-5,19	-2,64	,1692	,7374	-,955	-1,42	-,946	-,958	-1,82	,6897	1,483	2,522	1,165	-1,71	-1,71		
1227		-6,12	-2,15	2,832	1,857	-,141	-1,81	-,534	-,292	-1,15	,2849	1,846	1,818	-,269	-2,95	-1,94		
1252		-5,71	-2,67	2,185	2,449	-,541	-,329	-,541	,9163	-,829	,2488	,4619	,1488	-1,28	-3,42	-2,94		
1622		-5,29	-1,52	1,289	1,473	,2470	-,962	-1,82	,5879	-,227	,6342	1,487	1,187	-1,94	-2,60	-3,46		
2028		-7,47	-1,84	,1886	,2681	1,285	-1,22	,1886	-,263	-,229	,8794	1,884	1,326	-2,29	-3,38	-3,77		
2588		-8,31	-,164	-1,87	,9584	-,488	-,662	2,166	-,139	,8968	1,674	,4861	-,981	-2,47	-3,71	-3,66		
3192		-8,39	-1,83	-,499	,4387	,3288	-,427	-,398	1,118	,4858	1,333	1,868	,6801	-3,54	-3,87	-3,91		
4202		-9,26	-3,78	1,578	-,728	1 822	1,898	-,397	2,599	,1424	-1,33	-,848	,6241	-3,44	-3,14	-3,89		
5237		-9,59	-,903	-,879	-1,97	-,394	-,881	1,616	1,248	1,554	1,118	,9179	-,812	-3,23	-3,60	-3,62		
6382		-10,2	-4,11	-4,64	-2,98	-1,99	-1,87	-1,62	3,132	2,683	2,581	2,869	-1,11	-4,95	-11,2	-6,71		
8082		-10,1	,4876	-,672	-,469	-,594	-1,44	1,122	,6348	1,133	1,034	,9819	1,488	-2,65	-4,21	-5,99		
10082		-9,52	-1,85	-1,37	-2,28	-1,82	-2,17	-1,16	-,581	1,134	,4478	1,871	1,617	-1,84	-2,62	-3,28		

AMBIENT TEMP, 83,00
WET-BULB TEMP, 68,00
BAR, PRESSURE 29,84
ABS, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 REC=25 SPEED=6623

RADIAL DISTANCE 250

DATE: 9/25/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STAND-BY

FREQ	ANGLES FROM INLET 2,0	16,2	24,0	32,2	40,2	48,2	56,2	64,0	72,2	80,2	88,2	96,0	104,0	112,0	120,0	128,2	136,2	144,2	152,2	160,0	168,0	176,2	(PWL)
50			72.14	71.14	69.66	68.96	68.49	69.47	69.94	72.96	71.52	72.84	73.37	74.66	69.48	78.99	81.94						131.2
63			66.72	66.88	66.95	71.37	67.27	68.17	68.59	69.32	71.38	73.66	73.49	74.93	75.28	79.87	82.48						132.9
80			63.48	64.64	65.96	67.62	67.51	67.72	69.22	72.59	72.99	72.48	73.63	75.17	72.93	79.81	81.54						138.8
100			64.46	65.73	66.64	67.37	69.86	70.02	71.28	73.83	72.93	74.38	74.31	76.15	74.49	79.39	79.88						141.7
125			67.87	67.33	67.85	67.38	70.92	71.98	73.89	76.39	76.87	78.33	78.36	77.92	76.39	80.88	78.33						133.3
160			63.78	64.82	65.32	65.79	66.98	68.87	69.86	71.67	71.78	73.27	74.18	75.88	74.55	77.41	74.95						138.5
200			63.79	65.21	65.95	65.86	65.83	66.71	68.33	73.28	71.93	72.83	73.39	73.73	73.26	73.44	72.67						129.9
250			63.29	62.62	61.71	62.89	62.96	64.82	66.87	67.68	70.46	73.48	72.98	72.39	70.87	69.95	71.68						128.8
315			61.67	58.87	63.48	62.85	60.46	61.62	63.13	66.39	66.16	67.35	66.88	68.71	68.24	68.73	64.58						123.9
400			62.25	65.31	66.41	66.28	66.51	64.38	63.82	64.97	65.24	67.80	68.83	71.01	74.27	73.37	69.08						127.3
500			65.95	69.27	69.33	70.48	70.87	69.89	68.96	68.33	68.68	69.88	72.67	73.84	75.92	74.13	71.41						138.2
630			67.73	70.72	71.61	72.85	72.28	72.68	73.88	72.42	72.81	74.39	75.42	77.88	77.82	73.87	73.19						132.9
800			68.26	70.74	72.51	72.93	72.39	72.86	72.76	73.11	73.66	75.86	75.44	75.97	74.86	72.28	72.81						132.7
1000			68.44	69.94	72.95	72.28	72.49	72.58	72.89	73.88	72.16	73.48	74.28	74.69	73.18	71.47	71.48						131.7
1250			67.79	70.96	74.78	74.23	74.28	72.38	71.99	73.44	72.88	73.65	74.92	74.76	73.60	78.91	78.17						132.8
1600			68.21	73.61	77.35	76.28	76.79	74.97	74.48	76.18	76.27	76.48	76.84	77.29	73.48	72.93	71.93						135.6
2000			67.75	72.38	74.47	74.58	74.74	73.22	74.13	73.87	74.96	75.34	76.43	75.90	72.86	71.99	71.62						134.4
2500			66.62	75.84	76.85	77.96	77.47	76.92	78.94	77.98	78.99	78.87	78.48	77.28	75.22	78.31	73.41						137.6
3150			72.25	79.35	80.19	80.85	81.43	80.29	80.33	81.56	82.38	82.16	82.86	80.99	77.66	72.84	77.38						141.8
4000			76.49	82.87	87.51	84.71	87.32	86.99	87.84	86.23	85.11	83.83	84.17	84.99	81.89	82.86	80.57						146.8
5000			71.76	79.23	82.87	79.98	82.16	81.84	83.56	83.47	82.87	81.56	81.89	81.16	78.18	78.42	76.19						143.1
6300			72.42	78.84	79.67	78.78	81.28	81.72	82.25	85.43	86.71	85.24	87.87	83.18	79.39	72.46	77.23						145.8
8000			76.46	79.48	80.46	78.91	79.49	78.26	80.25	80.63	82.98	82.35	83.27	82.81	77.87	75.24	75.89						144.7
10000			67.37	75.99	76.92	75.91	78.93	75.47	76.53	78.14	80.84	79.36	81.33	81.55	77.17	71.81	78.65						144.3
MEASURED OASPL			83.77	89.74	92.46	91.12	92.59	92.85	92.83	94.17	94.92	93.44	94.29	93.72	90.86	91.45	91.82						
CALCULATED OASPL			82.89	88.39	91.26	89.89	91.42	90.95	91.84	93.84	92.44	92.85	92.98	92.36	89.97	90.19	90.68						
PWDB			97.72	103.1	106.7	105.1	106.8	106.3	106.8	107.9	106.6	106.8	106.9	106.7	103.6	103.7	102.9						

OAPWL: 113.2

AMBIENT TEMP, 83.88
WET-BULB TEMP, 66.88
BAR, PRESSURE 29.84
ABS, HUMIDITY 12.96

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/8/6963

RUN72 RDG=2- SPEED=6804

RADIAL DISTANCE 256

DATE: 9/3/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET .6	16.7	24.7	32.6	40.2	48.7	64.7	72.6	80.1	88.6	96.6	104.8	112.8	120.8	128.2	136.2	144.2	152.2	160.8	170.8	(PWL)
50			-2,27	-2,27	-3,75	-4,45	-4,91	-3,94	-3,47	-,497	-1,89	-,973	-,843	1,291	-3,93	5,976	8,528				
63			-8,38	-8,21	-8,14	-3,73	-7,82	-6,93	-6,52	5,223	-3,79	-1,44	-1,61	-,199	,1906	4,772	7,359				
80			-9,38	-8,22	-8,89	-3,64	-5,34	-5,13	-3,84	-2,26	-1,86	-,452	,7738	2,315	-,329	6,151	8,487				
100			-9,10	-7,98	-6,99	-6,26	-4,57	-3,61	-2,35	-,694	-,785	-,283	,6744	2,914	1,261	5,787	6,315				
125			-8,89	-7,84	-7,32	-7,79	-4,27	-3,19	-1,32	1,223	,9822	-,836	1,198	2,746	1,229	4,912	3,165				
160			-8,41	-6,18	-6,89	-6,42	-5,22	-4,13	-2,34	-,533	-,421	1,869	1,982	2,675	2,348	5,289	2,753				
200			-7,39	-5,97	-7,26	-5,33	-5,25	-4,48	-2,86	2,892	,3486	1,639	2,199	2,543	2,378	2,254	1,689				
250			-8,26	-6,93	-8,53	-7,45	-6,69	-5,53	-2,67	-1,86	,9129	4,133	3,481	2,839	,9267	1,4008	2,886				
315			-5,73	-5,84	-1,55	-4,58	-2,95	-3,79	-2,28	,9914	,7378	1,922	,5979	,3834	2,838	5,322	-,755				
400			-6,52	-3,26	-2,17	-2,35	-2,81	-4,19	-4,75	-3,61	-3,34	-,878	,2829	3,248	5,498	4,881	,4899				
500			-5,46	-2,13	-1,87	-,918	-1,33	-2,31	-2,44	-3,88	-2,72	-1,59	1,264	3,655	4,517	2,738	,8899				
630			-6,23	-3,23	-2,34	-4,29	-1,67	-1,27	-,972	-1,54	-1,14	,4412	1,469	3,849	3,868	-,884	-,755				
800			-5,57	-2,89	-1,82	-,895	-1,23	-1,57	-,872	-,519	-,829	1,428	1,818	2,341	1,229	-1,43	-1,52				
1200			-3,97	-2,47	-,487	-,152	,9487	-1,92	-1,82	-,528	-,252	1,869	1,841	2,882	,7683	-,945	-,988				
1250			-5,54	-2,38	1,362	,8875	,8642	-,987	-1,35	,1243	-,535	,2858	1,178	1,824	-,641	-2,43	-3,17				
1600			-7,74	-2,35	1,394	,2978	,8244	-,989	-1,47	,2263	,3187	,5218	2,888	1,343	-2,53	-3,43	-4,63				
2200			-6,65	-2,05	,8643	,1962	,3378	-1,19	-,279	-,532	,5555	,9318	2,827	1,189	-1,55	-2,42	-2,79				
2500			-12,5	-2,32	-1,12	,1993	,1893	-,839	1,577	-,276	1,828	1,913	1,115	-,159	-2,14	-7,85	-3,96				
3150			-8,54	-1,44	-,589	,8632	,6469	-,498	-,455	,7755	1,566	1,374	1,277	,2186	-3,11	-7,95	-3,41				
4227			-9,17	-3,59	1,845	-,959	1,658	1,332	1,373	2,569	-,553	-2,84	-1,49	-,671	-4,78	-2,86	-8,89				
5720			-9,84	-2,39	,4488	-1,63	,9361	,2197	1,939	1,842	1,648	-,868	-,336	-,462	-3,52	-3,28	-8,43				
6327			-12,9	-5,36	-3,73	-4,42	-2,22	-1,68	-1,15	2,929	3,313	1,841	3,687	-,297	-4,81	-18,9	-6,18				
8227			-14,3	-1,38	-,298	-2,41	-1,22	-2,46	-,465	-,886	2,255	1,635	2,549	2,898	-3,84	-5,28	-8,62				
12887			-12,8	-2,19	-1,27	-2,07	-1,66	-2,71	-1,65	-,848	1,859	1,171	3,141	3,387	-1,81	-8,37	-8,54				

AMBIENT TEMP, 23,82
KEY-BOLT TEMP, 58,22
BAR, PRESSURE 29,24
AbS, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/6963

SCR=2 ACQ=28 SPEED=6854

RADIAL DISTANCE 25'

DATE: 7/ 5/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	14,4	24,2	32,3	42,2	51,7	62,2	72,2	82,2	92,2	102,2	112,2	122,0	132,0	142,0	152,2	162,0	172,0	(PWL)
50		71,96	71,74	72,24	69,10	69,76	70,12	70,69	73,12	71,64	73,14	73,96	75,27	78,49	80,97	83,57		132,2
63		67,33	67,96	67,32	72,91	68,34	68,99	69,42	80,37	71,48	73,71	73,93	75,39	75,47	81,33	84,37		133,6
8		64,.8	65,43	66,17	67,97	68,88	68,11	39,57	78,82	71,48	73,11	74,12	75,94	73,32	80,19	82,79		131,7
100		65,42	64,49	67,48	68,37	69,58	70,53	71,59	73,19	73,75	74,51	75,65	77,55	76,22	80,30	81,10		132,7
125		67,34	68,52	68,49	69,35	72,18	73,81	74,54	77,84	77,11	76,12	76,29	81,61	77,55	81,19	79,33		134,8
160		64,65	66,89	65,83	66,33	68,14	68,96	70,41	72,36	72,72	73,94	74,69	75,56	75,48	78,11	75,82		131,2
200		64,65	66,17	64,77	66,22	66,79	67,51	69,61	73,44	72,87	73,27	74,82	74,32	74,46	74,71	74,82		130,2
250		64,.9	63,69	61,84	63,48	63,98	65,81	67,39	67,23	69,81	75,39	72,69	73,49	70,61	72,21	71,81		128,8
315		61,92	61,39	64,38	63,39	62,97	62,49	63,13	66,25	65,74	66,35	65,86	66,99	70,83	70,14	69,83		124,4
400		62,29	65,16	66,87	66,52	64,36	64,95	64,28	65,47	65,96	67,96	69,89	73,12	75,39	74,47	70,19		128,1
500		66,91	68,97	68,95	71,27	69,99	69,67	69,66	69,84	69,58	70,59	73,79	76,39	76,84	75,89	72,57		131,1
630		68,34	71,28	72,05	74,29	73,94	73,46	74,78	73,43	73,68	74,99	76,38	78,83	77,92	74,66	74,82		133,9
800		68,63	71,94	73,72	73,96	73,49	73,59	74,28	74,26	74,44	75,84	76,98	77,15	76,88	73,82	73,25		133,8
1000		69,18	72,85	74,96	75,41	74,18	73,11	72,58	72,42	72,78	73,42	74,17	74,09	73,96	72,15	73,27		132,7
1250		66,93	72,17	73,99	75,24	74,96	74,92	73,68	73,13	74,38	74,67	75,63	75,98	73,25	71,76	71,89		133,8
1600		74,37	74,36	76,77	77,41	78,41	78,62	75,88	76,95	76,99	77,23	79,38	78,42	74,19	73,72	73,71		136,6
2000		68,79	74,69	75,77	74,96	75,44	74,11	74,81	73,65	74,48	74,68	75,29	75,77	72,75	72,87	72,45		134,9
2500		72,69	78,33	75,41	77,01	77,81	78,19	79,34	76,88	78,88	79,48	79,81	77,81	76,93	78,82	74,22		138,8
3150		73,71	80,98	84,67	81,38	82,86	81,32	81,21	81,83	82,15	82,26	81,74	81,16	77,99	73,55	78,46		141,8
4000		77,55	83,95	87,37	86,07	86,56	86,54	87,93	82,27	84,75	84,26	84,76	84,11	80,11	82,81	80,26		146,9
5000		74,15	82,39	83,84	83,95	83,22	83,37	85,77	84,99	83,85	82,42	82,64	81,92	78,78	80,16	77,41		144,6
6300		73,99	79,39	78,95	80,20	80,96	81,67	82,74	80,84	87,62	86,46	85,57	83,28	78,48	72,65	78,23		142,9
8000		72,31	80,67	79,84	79,34	80,83	79,43	82,86	81,23	82,37	81,89	82,77	83,46	77,26	75,39	76,80		144,8
10000		74,11	77,79	76,28	77,38	78,29	77,93	78,13	79,11	80,36	80,16	81,76	83,18	77,71	73,15	74,71		145,4
MEASURED DASPL		85,46	91,65	92,78	92,91	93,82	92,64	93,81	94,86	94,26	93,64	94,38	94,49	91,26	92,49	93,85		
CALC DATA DASPL		84,21	90,24	91,48	91,56	91,87	91,54	92,55	93,59	92,89	92,24	92,96	93,84	89,92	91,16	91,79		
DIFF		98,97	104,8	136,7	140,7	126,8	140,6	147,7	188,2	136,9	146,4	136,9	136,8	183,5	184,2	183,4		
																	OAPWL:	153,7

AMBIENT TEMP, 83,00
ATMOSPHERIC TEMP, 83,00
BAR. PRESSURE 29,.4
REL. HUMIDITY 42,93

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/C 9/5/69-3

RUN 22 HOGE27 SPEED=694

RADIAL DISTANCE 25'

DATE 9/5/89

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 0.0	16.2	32.4	48.6	64.8	81.0	97.2	113.4	129.6	145.8	162.0	178.2	194.4	210.6	226.8	243.0	259.2	275.4	291.6	307.8	324.0 (DWL)
50		-2.03	-2.64	-4.15	-4.71	-4.03	-4.48	-3.69	-1.28	-2.74	-1.25	-.429	.8835	3.89	6.182	9.185					
63		-8.44	-7.81	-8.46	-8.87	-7.43	-8.78	-8.36	4.597	-4.38	-2.66	-1.85	-.181	-.364	5.553	8.269					
80		-9.09	-8.33	-7.99	-8.16	-5.69	-5.65	-4.19	-2.94	-2.29	-.858	.3569	2.171	-.444	6.436	9.829					
100		-9.22	-8.14	-7.56	-8.27	-5.66	-4.12	-3.24	-1.44	-.885	-.128	1.216	2.918	1.987	5.792	6.485					
125		-9.15	-8.17	-8.19	-7.34	-4.51	-2.88	-2.15	.3516	.4221	-.768	1.598	4.324	.8028	4.343	2.644					
160		-8.26	-8.21	-7.88	-8.38	-4.77	-3.95	-2.58	-.549	-.194	1.033	2.786	2.648	2.494	5.283	2.914					
200		-7.19	-8.67	-7.66	-8.86	-5.64	-4.33	-3.23	1.663	.2388	1.436	2.163	2.479	2.564	2.869	2.181					
250		-8.23	-8.63	-8.48	-8.84	-8.34	-5.31	-2.93	-3.29	-.513	5.867	2.561	3.163	.2833	1.881	1.484					
315		-3.96	-4.49	-1.52	-2.49	-2.91	-3.38	-2.75	.3782	-.139	.4693	-.812	1.114	4.193	4.261	-.847					
400		-7.12	-4.24	-3.33	-2.78	-3.83	-4.44	-8.11	-3.92	-4.34	-1.83	.4924	3.725	8.168	5.879	.7982					
500		-5.38	-3.31	-3.33	-1.22	-2.29	-2.62	-2.62	-2.45	-2.71	-1.66	1.564	4.113	4.592	2.888	.2817					
630		-6.57	-3.63	-2.26	-.6423	-.974	-1.45	-.128	-1.69	-1.23	.8775	1.466	3.116	5.818	-.233	-.897					
800		-5.89	-2.79	-1.61	-.787	-2.23	-1.13	-.446	-.463	-.289	1.111	1.777	2.421	1.279	-1.72	-1.48					
1000		-4.29	-.628	1.475	-.0359	.6954	-.375	-.985	-1.66	-.784	-.855	.6938	1.509	.4887	-1.33	-1.21					
1250		-5.39	-2.15	-.322	.9869	.6439	.5816	-.639	-1.19	-.241	.3472	1.518	1.983	-1.87	-2.96	-2.43					
1600		-6.59	-2.59	-.179	.2822	1.656	-.351	-1.87	-.284	-.387	.2722	2.358	1.469	-2.76	-3.23	-3.24					
2000		-5.82	-.582	1.175	.3649	.8476	-.489	.2188	-.947	-.115	.2826	.7988	1.174	-1.87	-1.72	-2.15					
2500		-7.73	.5876	-2.41	-.213	-.718	.3818	1.511	-.945	.9774	1.655	1.181	-.816	-7.38	-7.81	-3.68					
3150		-7.51	-.235	-.541	.7633	.8471	.8893	-.886	.6285	.9375	1.844	.9278	-.895	-3.22	-7.06	-2.75					
4000		-8.23	-1.83	1.994	.6928	.7783	.7639	2.155	2.291	-1.82	-1.52	-1.82	-1.66	-5.67	-2.86	-5.92					
5000		-9.23	-.784	.6054	.6746	.8464	.1903	2.393	1.815	-.123	-.761	-.535	-1.25	-4.47	-2.99	-5.77					
6300		-9.91	-4.11	-4.36	-2.91	-2.55	-1.83	-2.77	3.342	4.117	.9995	2.866	.2751	-8.12	-10.8	-8.27					
8000		-8.52	-.164	-1.79	-1.49	-.881	-1.46	.2286	.3973	1.531	1.857	1.948	2.623	-3.55	-5.24	-4.74					
10000		-9.15	-1.07	-1.95	-1.78	-.964	-1.33	-1.13	-.148	1.182	.8491	2.981	3.918	-1.84	-6.11	-4.95					

AMBIENT TEMP, 83.66
DRYBULB TEMP, 68.26
BAR. PRESSURE 29.24
REL. HUMIDITY 12.95

SCALE MODEL ACOUSTIC TEST T/C 8/28/89 R/J 9/5/89-3

RUN 26 RDG=27 SPEED=894.

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RADIAL DISTANCE 252

DATE: 5/ 5/69

PAGE: 1

SOUND PRESSURE LEVELS REFUSED AT STANDARD DAY

	ANGLES FROM INLET																
	0,0	14,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	(PWL)
5	72,74	72,88	73,77	74,44	74,28	73,66	72,22	74,58	73,91	75,52	76,35	77,72	72,75	83,25	86,36		134,7
6	72,59	71,78	73,22	73,79	73,87	73,74	73,29	82,78	74,19	76,64	77,31	79,13	77,27	84,69	87,31		136,4
	67,42	68,29	74,41	72,76	71,54	71,76	72,35	73,19	74,44	75,71	77,27	78,96	76,91	83,76	85,61		134,8
12	67,27	68,57	69,89	71,37	71,69	72,55	73,82	74,79	75,74	76,96	78,24	79,76	79,17	84,18	84,34		135,4
12	69,29	72,79	71,41	71,43	73,57	77,63	78,88	77,76	79,39	81,49	83,82	81,43	82,49	85,25	83,43		137,9
16	66,87	69,38	68,76	69,58	72,95	72,23	73,74	74,42	73,32	76,98	76,16	79,39	79,21	82,81	81,29		134,7
20	67,66	69,14	67,88	69,43	69,88	72,75	72,48	74,71	74,81	76,25	77,19	77,89	76,84	78,22	78,83		133,3
25	67,29	67,81	66,39	65,94	66,87	69,36	74,59	72,75	73,58	74,87	75,78	75,81	73,41	72,37	73,89		132,7
31	65,92	64,91	66,93	65,97	65,44	66,39	67,52	69,57	70,42	71,79	71,89	70,48	74,76	72,58	69,12		128,8
40	65,22	66,29	66,48	66,94	66,89	67,99	67,65	68,72	69,77	71,98	73,80	75,39	79,19	77,89	72,89		131,2
50	67,58	69,79	74,27	72,78	71,74	72,33	71,56	71,17	71,40	73,12	75,81	78,59	80,82	78,57	75,97		133,3
63	69,14	71,45	72,46	74,73	74,69	74,98	74,81	73,52	75,18	75,48	77,94	80,69	81,26	78,18	76,69		135,5
80	72,37	73,78	74,26	76,41	75,23	75,25	75,82	75,49	77,26	79,22	79,63	80,78	80,34	76,88	75,68		136,9
100	69,26	72,99	73,97	74,33	73,49	74,88	74,13	75,25	76,47	77,56	77,99	78,37	77,82	76,84	74,32		135,2
125	68,99	71,99	74,08	74,97	75,41	76,44	75,86	74,28	75,13	75,82	75,85	75,46	75,69	73,59	72,26		134,5
160	69,62	71,74	74,69	75,38	76,87	76,79	77,17	75,94	76,29	77,17	77,86	77,78	75,94	79,89	72,98		136,9
200	68,36	72,25	74,52	74,98	76,44	76,43	77,32	75,44	77,85	77,49	78,12	78,79	78,29	75,81	[illegible]		136,3
252	69,21	74,28	73,34	76,11	77,36	78,78	81,59	76,99	79,54	79,61	78,43	76,37	77,32	78,48	[illegible]		138,2
315	73,36	79,52	81,28	82,45	84,29	85,29	85,45	83,84	83,98	83,18	82,31	80,82	79,66	73,96	[illegible]		143,6
400	73,79	79,41	83,35	81,92	82,43	83,76	84,43	82,75	82,68	81,95	81,59	80,82	77,44	77,81	77,34		143,3
500	79,46	86,12	89,26	90,52	91,11	92,55	93,33	87,69	89,29	88,87	87,72	84,51	83,51	84,19	82,77		151,9
630	72,82	78,47	82,18	81,71	81,58	82,36	83,18	82,39	83,49	82,88	82,23	81,86	78,87	72,81	76,59		144,1
800	72,77	77,93	78,76	77,85	77,71	77,85	81,31	79,91	81,24	80,82	80,20	79,29	75,75	73,89	73,12		143,3
1000	72,54	78,32	78,85	79,96	81,19	82,26	81,86	81,86	81,25	82,19	84,16	84,48	77,93	74,12	76,77		147,5
WEIGHTED DBSPL	86,28	92,33	93,76	94,29	95,38	96,17	98,16	94,35	95,37	95,44	95,61	95,89	93,69	95,29	95,77		
UNWEIGHTED DBSPL	85,15	90,99	92,42	93,54	93,97	95,16	97,29	93,63	93,88	93,94	94,84	93,53	92,24	93,79	94,34		
PWL	99,69	126,2	127,5	128,5	129,1	130,3	132,2	127,5	128,8	128,6	128,3	128,8	125,6	127,3	128,7		
																OAPWL:	135,6

AMBIENT TEMP, 83,20
REFRIGER TEMP, 65,20
BAR. PRESS HG 29,64
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST P/O 8/28/69 R/O 9/5/69-3

PLANE AIRGAP SPEED=7547

B46

AXIAL DISTANCE 25c

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INSERT

	6, 12,	c,	3,	4,	5,	6,	7,	8,	9,	10,	11,	12,	13,	14,	15,	16,	17,	(PWL)
3		-4,15	-4,24	-3,14	-2,08	-4,56	-5,06	-4,69	-2,33	-3,01	-1,41	-,962	,6018	-4,17	6,332	9,414		
5		-3,98	-4,74	-3,38	-4,78	-4,72	-4,84	-5,22	4,198	-4,38	-1,93	-1,27	,5569	-1,31	6,122	8,732		
4		-4,47	-4,37	-4,46	-5,21	-5,33	-5,11	-4,47	-3, 7	-2,83	-1,16	,4216	2,005	,2399	5,892	8,744		
1/		-4, 1	-4,17	-7,46	-5,79	-5,67	-4,01	-3,54	-2,57	-1,62	-,402	,6746	2,376	1,809	6,821	6,984		
25		-14,5	-9,46	-6,44	-6,81	-6,28	-2,22	-1,958	-2,28	-,453	1,657	3,173	1,362	,6468	5,424	3,584		
15		-9,55	-7,65	-7,56	-6,84	-5,48	-4,19	-2,69	-1,99	-1,11	,9624	1,736	2,984	2,787	5,584	4,871		
2		-7,86	-5,6	-7,6	-5,71	-5,24	-4,17	-2,49	-,226	-,128	1,314	2,252	2,946	3,495	3,263	3,897		
35		-4,98	-4,46	-5,35	-6,06	-5,42	-2,93	-1,68	-1,52	1,229	2,599	3,527	2,734	1,134	,1287	,8102		
3		-3,55	-4,67	-4,95	-5,57	-4,24	-3,68	-1,96	,2895	,9413	2,328	1,615	,9246	2,287	3,185	-,358		
4		-7,12	-5,72	-3,84	-5,44	-3,42	-4,33	-4,66	-3,59	-2,56	-,338	,7889	3,878	5,882	5,271	,5825		
52		-7,09	-4,85	-4,84	-4,95	-2,9	-2,34	-3,11	-3,52	-3,19	-1,57	1,134	3,918	5,344	3,898	1,295		
5		-7,51	-5,27	-4,59	-4,82	-4,66	-1,57	-2,74	-3,62	-1,37	-4,87	1,395	4,148	4,914	1,637	,1426		
6		-7,47	-3,85	-3,35	-4,43	-2,21	-2,39	-1,53	-1,95	-,185	1,776	2,369	3,264	2,897	-,762	-1,76		
1 3		-6,59	-2,9-	-1,92	-4,54	-2,39	-1,81	-2,76	-,642	,5819	1,674	2,897	2,479	1,934	-,328	-1,56		
175		-6,62	-3,65	-,352	-,694	,3966	1,427	-1,15	-,725	,1265	,8128	,8445	,4507	,8828	-1,42	-2,75		
16		-6,96	-4,57	-1,82	-,924	,6663	,4821	,8647	-1,26	-,214	,8623	1,556	1,473	-,365	-2,21	-3,33		
2 2		-7,93	-4,66	-1,79	-1,33	,1249	,1268	1,245	-,872	,7417	1,189	1,882	,4785	-,227	-1,29	-3,51		
252		-6,77	-3,72	-4,64	-1,87	,624	,8035	3,614	-,984	1,584	1,632	,4475	-1,81	-,963	-7,49	-5,38		
25		-5,72	-3,51	-1,94	-1,87	1,274	2,262	2,426	,8114	,9562	,1581	-,713	-2,22	-3,16	-9,36	-5,65		
4		-2,36	-2,74	1,199	-,292	,4763	1,627	2,283	,5968	,5242	-,199	-,558	-1,33	-4,51	-4,34	-4,82		
3		-1,6	-1,97	-,525	,4278	1,321	2,465	2,241	-2,39	-,797	-1,42	-2,37	-5,58	-6,58	-9,92	-7,32		
032		-8,65	-3,19	-1,56	,6448	-,987	,7023	1,515	,7253	1,835	1,215	,5693	-,607	-3,59	-8,65	-5,11		
6		-6,48	-1,32	-,487	-1,37	-1,54	-1,39	2,203	,6567	1,593	1,569	1,247	,8364	-3,49	-5,56	-5,93		
1,22		-8,81	-3,25	-2,58	-1,39	-,162	,9124	-,286	-,269	-,121	,8483	2,811	3,298	-3,42	-7,23	-4,58		

[illegible] TEMP,	83,26
[illegible] TEMP,	56,24
[illegible], PRESS RE	29,64
AMB, HUMIDITY	12,93

SCALE MODEL ACOUSTIC TEST 7/6 8/28/89 6/6 9/5/89-3

[illegible] 62 [illegible]/SEC SPEED: ,7547

P47

RADIAL DISTANCE 252

DATE: 9/29/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	4,2	12,2	22,2	32,2	42,2	52,2	67,2	72,2	82,2	92,2	102,2	110,2	122,2	132,2	142,2	152,2	162,2	172,2	(PWL)
50			73,25	73,63	71,77	74,99	71,79	72,92	74,57	74,47	73,91	75,66	76,39	77,52	72,89	84,17	87,62		135,1
63			69,65	69,62	74,66	73,39	72,82	73,59	73,54	80,58	74,97	76,22	77,31	78,46	77,27	82,95	88,47		136,0
80			67,73	68,62	69,67	72,99	71,36	71,76	73,01	74,12	75,82	76,12	77,47	79,14	76,96	83,89	87,82		135,4
100			67,27	68,83	69,67	73,08	71,97	72,83	74,08	75,25	75,92	77,89	78,19	83,84	79,63	84,39	85,39		138,8
125			71,19	72,14	71,66	71,15	75,85	76,54	76,42	76,11	78,55	79,37	80,47	80,49	81,12	85,69	82,88		137,1
160			68,17	72,67	69,66	69,26	71,22	72,23	73,77	75,82	75,59	76,91	78,01	78,69	78,83	82,81	78,27		134,4
200			67,55	69,24	67,39	66,22	69,82	70,08	71,53	74,77	74,52	75,45	76,65	77,48	77,26	77,19	75,72		132,7
250			67,42	67,28	65,48	63,73	65,21	67,89	66,72	78,81	72,58	73,73	73,95	73,36	69,87	69,91	72,88		130,2
315			65,81	63,52	66,53	65,73	65,86	64,11	64,96	68,24	68,42	69,91	68,36	69,72	73,85	73,21	68,81		127,2
400			64,85	66,99	68,90	69,97	69,89	68,88	68,13	99,21	69,88	70,86	73,17	76,54	79,51	78,36	74,44		131,7
500			67,52	69,93	71,11	73,17	73,13	73,23	73,12	72,97	73,15	73,96	77,34	79,68	80,89	79,36	77,16		134,6
630			69,29	71,92	72,78	74,78	74,97	75,18	75,98	75,72	76,76	77,26	79,16	81,87	80,92	77,96	76,94		136,2
800			72,37	72,89	73,66	74,26	75,16	74,69	76,89	77,74	79,24	79,78	79,65	86,06	78,84	75,77	74,91		136,7
1000			72,67	72,69	73,88	72,21	73,19	72,76	73,31	74,55	75,39	75,61	76,54	76,61	74,91	74,12	72,83		133,8
1250			69,42	72,79	73,54	75,04	80,13	78,17	77,46	79,28	77,29	76,74	77,31	78,29	76,68	74,80	73,83		138,9
1600			69,41	72,79	75,91	78,97	83,92	83,64	80,33	83,56	81,69	79,99	81,76	80,86	77,51	76,85	76,31		142,8
2000			72,69	74,59	77,18	79,29	82,19	82,97	83,61	81,89	79,94	78,84	77,99	76,52	75,53	75,26	72,48		142,1
2500			71,59	75,78	76,36	81,69	86,12	85,73	87,03	82,97	84,32	82,19	80,76	78,19	78,96	74,19	74,80		143,3
3150			75,26	79,14	84,51	83,92	87,51	89,73	87,42	86,42	85,22	83,85	83,67	81,38	82,77	78,59	77,99		145,8
4000			72,95	77,36	81,22	82,18	83,41	83,59	81,88	83,43	82,11	81,49	80,84	80,43	77,82	76,63	75,99		140,6
5000			76,83	87,16	86,98	89,36	87,23	85,83	88,64	86,33	90,81	86,87	87,85	84,58	83,53	83,74	81,69		148,5
6300			71,77	77,59	79,15	80,52	82,23	81,48	81,53	82,42	82,91	81,42	81,85	80,88	77,47	72,26	75,51		143,4
8000			69,66	77,28	77,86	76,73	78,99	77,92	81,69	83,21	81,29	79,71	79,54	78,87	75,20	73,61	72,11		143,5
10000			69,52	76,54	77,41	78,16	78,94	78,36	81,89	81,77	83,44	81,49	83,09	82,42	75,95	72,80	73,85		145,7
MEASURED OASPL			85,71	91,59	92,34	93,77	95,84	95,85	96,11	95,67	96,35	94,71	95,68	95,12	93,90	93,44	94,22		
CALCULATED OASPL			84,67	90,27	91,92	92,56	94,44	94,78	94,87	94,30	94,91	93,18	94,89	93,48	92,46	93,96	94,84		
PNDB			98,59	105,5	106,1	107,5	109,7	109,8	109,1	108,6	109,7	107,3	108,5	106,9	105,8	105,2	104,1		
																		OAPWL:	154,9

AMBIENT TEMP, 83,88
WET-BULB TEMP, 68,88
BAR. PRESSURE 29,84
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

FLOW=2 RCO=29 SPEED=77,8

RADIAL DISTANCE 252

DATE: 9/05/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 4.6	10.7	22.2	34.2	47.2	59.2	67.7	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
52			-4,12	-4,33	-5,59	-6,37	-5,56	-4,84	-4,79	-2,82	-3,45	-1,69	-,961	,1678	-4,46	6,817	16,25	
63			-9,27	-9,11	-8,86	-5,32	-6,71	-5,12	-5,17	1,862	-3,75	-1,99	-1,41	-,268	-1,45	6,231	9,758	
82			-9,69	-8,79	-7,75	-6,42	-6,86	-5,65	-4,41	-3,29	-2,41	-1,29	,2593	1,723	-,498	6,463	9,649	
102			-1,,5	-8,92	-0,87	-6,87	-5,77	-4,87	-3,66	-2,49	-1,83	-,655	,4423	2,294	1,868	6,896	7,652	
125			-7,78	-6,79	-7,91	-7,02	-3,14	-2,43	-2,37	-2,86	-,424	,4836	1,503	1,714	2,147	6,716	3,966	
162			-7,99	-6,89	-7,18	-6,98	-4,95	-3,94	-2,39	-1,19	-,578	,7443	1,844	2,834	2,672	5,844	2,118	
202			-6,75	-5,86	-6,91	-6,29	-5,28	-4,22	-2,77	,4721	,2181	1,155	2,551	3,183	2,962	2,868	1,419	
252			-3,29	-3,44	-5,25	-6,79	-5,52	-3,63	-2,82	-,715	1,856	3,813	3,231	2,639	-,852	-,812	1,359	
315			-2,98	-5,46	-2,85	-2,85	-3,52	-4,47	-3,62	-,339	-,164	,3259	-,219	1,119	5,266	4,631	-,578	
402			-8,19	-6,86	-4,86	-3,88	-3,16	-4,16	-4,92	-3,84	-4,83	-2,19	,1294	3,494	6,469	5,313	1,361	
502			-6,24	-5,82	-4,69	-2,58	-2,62	-2,52	-2,63	-2,78	-2,59	-1,79	1,587	3,929	5,893	3,869	1,403	
632			-7,92	-5,32	-4,44	-2,47	-2,25	-2,84	-1,24	-1,49	-,461	,8429	1,942	3,852	3,008	,7345	-,276	
802			-7,19	-4,67	-3,89	-3,32	-2,30	-2,66	-,668	,1842	1,684	2,218	2,889	2,588	1,277	-1,79	-2,65	
1202			-3,69	-1,88	-,882	-2,35	-1,38	-1,81	-1,26	-,815	,8282	1,249	2,279	2,847	,3442	-,499	-2,58	
1252			-8,88	-6,63	-3,89	-1,79	2,728	1,742	,8268	1,852	-,141	-,667	-,114	,8594	-,779	-2,59	-4,49	
1602			-11,7	-8,28	-5,16	-2,19	2,882	2,972	-,736	2,489	,6214	-1,88	,0867	-,289	-3,96	-4,42	-5,76	
2302			-9,42	-5,52	-2,93	-,821	4,275	2,854	3,498	1,777	-,178	-2,87	-2,18	-3,79	-4,88	-6,85	-7,83	
2502			-11,5	-7,31	-6,73	-1,41	3,335	2,648	3,942	-,112	1,236	-,894	-2,32	-4,80	-4,12	-8,89	-8,19	
3152			-10,2	-6,88	-4,71	-1,31	2,891	4,987	2,184	1,261	,8888	-2,16	-1,95	-3,92	-2,44	-10,6	-7,25	
4002			-8,49	-4,88	-,216	-1,28	1,979	2,454	,4438	1,994	,6772	-,934	-,949	-1,88	-4,41	-4,08	-8,44	
5002			-10,2	,3998	-,873	1,301	,1725	-1,23	1,582	-,723	2,951	-1,85	,7925	-2,19	-3,58	-3,31	-8,36	
6302			-9,18	-3,36	-1,79	-,429	1,285	,5329	,5839	1,479	1,968	,4741	,9854	-,867	-3,47	-8,69	-8,83	
8002			-9,86	-2,23	-1,68	-2,79	-,519	-1,59	2,179	3,498	1,782	,1928	,8279	-,441	-4,31	-8,98	-7,48	
10002			-11,2	-3,99	-3,18	-2,37	-1,59	-2,14	,5628	1,245	2,916	,9726	2,567	2,896	-4,58	-8,45	-6,67	

AMBIENT TEMP, 83,00
WET-BULB TEMP, 68,00
BAR, PRESSURE 29,94
ABS, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN=2 ADD=29 SPEED=7726

RADIAL DISTANCE 252

DATE: 9/25/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	0,0	16,2	22,2	30,2	40,2	54,7	67,7	72,2	89,2	98,2	102,2	112,2	120,0	130,2	140,2	150,2	160,2	170,2	(PWL)
62			75,17	74,48	73,80	72,17	72,67	73,15	73,76	74,28	75,17	79,24	77,18	79,28	74,14	85,63	84,87		136,3
83			72,92	70,41	69,89	72,85	71,69	72,92	73,39	75,48	75,25	76,88	77,54	79,73	77,52	84,88	98,33		137,3
90			69,80	70,24	70,87	71,79	72,35	72,49	74,08	75,63	75,92	76,89	77,95	79,98	78,32	85,71	89,52		136,9
102			69,89	70,45	70,78	71,85	72,74	73,72	75,84	76,57	77,26	78,31	79,28	81,14	80,06	88,69	87,98		137,3
125			71,96	73,41	71,78	71,26	74,21	77,82	75,64	77,52	81,84	79,59	81,52	82,83	82,91	87,23	85,33		138,5
167			69,51	71,72	69,91	72,10	72,12	73,46	74,54	75,47	76,96	77,76	79,19	80,93	80,91	83,91	86,97		135,8
224			68,64	70,51	68,56	69,23	69,52	72,71	72,27	73,98	75,21	76,17	77,43	78,11	78,89	78,54	77,21		133,4
292			68,18	67,87	66,12	65,14	65,94	67,45	68,77	69,86	72,43	72,13	73,87	73,77	78,82	71,34	74,62		129,4
315			66,38	65,38	67,90	66,98	69,94	64,62	64,88	66,47	68,85	69,24	68,31	78,98	75,90	78,24	78,27		128,1
402			67,17	70,49	71,26	72,18	71,89	70,14	69,51	70,22	70,43	71,91	74,48	77,78	81,81	79,88	79,24		133,2
500			69,85	73,18	73,22	74,69	73,98	74,35	74,22	74,61	75,11	79,31	78,39	80,96	82,51	81,85	79,95		136,8
632			71,16	74,13	74,49	76,27	75,79	76,29	76,96	77,21	78,86	78,77	80,26	82,29	82,73	79,93	79,25		137,6
822			71,39	74,37	74,39	75,72	75,79	75,39	77,16	78,31	79,52	81,59	80,95	82,86	82,39	77,71	77,98		137,9
1050			70,16	73,45	74,38	76,14	77,87	77,22	76,98	77,86	77,38	77,78	78,16	79,83	77,61	76,19	76,85		136,4
1250			71,98	76,48	79,85	87,24	90,65	86,28	89,53	88,56	86,97	82,77	82,23	88,99	88,83	78,64	77,65		145,8
1600			76,97	81,55	81,99	92,23	95,19	92,85	94,84	91,62	87,19	90,31	86,36	85,41	86,15	81,27	79,85		150,3
2002			78,86	79,97	81,72	81,38	98,37	99,81	88,36	86,24	87,18	84,99	79,99	83,40	88,63	79,47	88,43		146,3
2502			71,51	77,58	77,81	81,68	83,53	84,45	86,37	82,18	82,15	81,79	80,19	78,17	78,44	73,73	73,68		142,2
3152			74,89	80,29	81,21	83,78	86,59	87,51	86,66	85,37	84,38	83,88	82,73	81,84	81,49	76,81	79,94		144,9
4002			74,61	79,59	84,56	93,38	86,81	85,26	83,28	83,98	81,79	86,99	86,65	81,62	78,45	78,18	78,85		148,9
5002			75,79	87,17	85,49	89,38	86,84	85,16	88,93	85,77	91,88	88,96	89,53	85,38	84,34	82,88	81,31		148,9
6302			72,85	79,49	86,79	83,29	82,35	82,52	81,88	82,16	82,94	81,48	81,69	80,86	78,78	72,91	76,09		143,6
8002			73,89	78,42	79,39	77,78	78,43	78,47	82,83	81,18	81,47	79,35	78,31	80,18	75,73	74,16	73,19		145,4
10002			69,26	76,91	77,51	76,89	77,77	78,19	79,60	80,81	80,38	80,64	86,58	82,55	75,17	78,78	72,56		145,3
MEASURED OASPL			80,83	93,16	93,63	96,85	99,48	98,65	99,89	97,97	97,95	94,87	96,64	96,52	95,59	96,93	98,48		
CALCULATED OASPL			86,44	91,74	92,29	92,37	98,83	97,74	98,28	96,63	96,69	95,71	93,18	93,84	94,31	93,47	96,88		
PNDB			99,39	106,7	106,5	108,9	111,3	110,2	110,9	109,4	111,3	109,3	109,7	108,2	107,1	105,5	105,4		
																		OAPWL:	116,8

AMBIENT TEMP, 83,88
WET-BULB TEMP, 68,88
BAR. PRESSURE 29,84
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN=2 RDG=3' SPEED=7967

RADIAL DISTANCE 25d

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 6,2	14,2	22,2	30,2	42,2	54,2	66,2	74,2	82,2	90,2	102,2	114,2	122,2	132,2	144,2	150,2	162,2	170,2	(PWL)
50		-3,38	-4,27	-5,55	-6,38	-5,88	-5,42	-4,77	-4,47	-3,39	-2,31	-1,45	,7279	-4,41	7,883	10,32			
63		-8,49	-9,44	-9,52	-8,84	-7,72	-6,51	-6,82	-4,61	-4,16	-2,53	-1,87	,3234	-1,89	7,167	10,92			
8[illegible]		-9,22	-8,77	-8,93	-7,61	-6,66	-6,32	-4,92	-3,97	-3,29	-2,18	-1,86	,9728	-,686	6,706	10,51			
100		-9,82	-8,77	-8,52	-7,39	-6,48	-5,51	-4,19	-2,65	-1,96	-,913	,8526	1,916	1,732	6,464	8,724			
125		-8 2	-6,97	-8,68	-9,42	-6,17	-2,56	-4,74	-2,86	,6892	-,793	1,139	2,298	2,933	6,845	4,945			
160		-8 ,5	-5,84	-7,75	-7,56	-5,44	-4,69	-3,22	-2,09	-,999	,2866	1,839	2,973	2,951	6,347	3,812			
200		-6,36	-4,49	-6,44	-5,97	-5,18	-4,29	-2,73	-1,82	,2123	1,174	2,434	3,113	3,897	3,942	2,216			
250		-2,76	-3,27	-4,82	-5,79	-5,81	-3,49	-2,17	-1,88	1,484	2,192	2,929	2,823	-,919	,4819	3,679			
315		-3,12	-4,19	-1,92	-2,32	-3,56	-4,88	-4,62	-3,03	-1,45	-,268	-1,19	1,464	6,886	5,742	,7658			
400		-7,29	-4,37	-3,41	-2,29	-3,37	-4,32	-4,96	-4,25	-4,04	-2,55	-,844	3,314	8,544	9,412	,7797			
500		-7,38	-4,86	-4,21	-2,24	-3,25	-2,89	-3,02	-2,62	-2,13	-1,93	1,.16	3,733	9,279	3,820	1,020			
630		-7,48	-4,59	-4,14	-2,37	-2,84	-2,34	-1,68	-1,43	-,591	,1333	1,619	3,647	4,089	1,291	,6868			
800		-7,39	-4,41	-4,39	-3,24	-2,99	-3,39	-1,62	-,478	,7362	2,866	2,167	3,279	1,601	-1,88	-1,21			
1000		-7,95	-3,66	-2,72	-,681	,7692	,1147	-,599	-,048	,1978	,6885	1,892	1,924	,9374	-,912	-1,85			
1250		-14,4	-9,85	-6,48	,9381	4,321	1,874	3,284	2,231	-,262	-3,56	-4,89	-8,34	-8,49	-7,68	-8,68			
1600		-13,7	-9,67	-8,82	1,668	4,579	2,218	3,422	1,884	-3,43	-,613	-4,26	-8,21	-4,47	-9,35	-18,8			
2000		-8,32	-6,39	-4,64	2,28	4,282	4,448	1,694	-,122	,8182	-1,38	-6,37	-2,88	-8,74	-6,89	-8,93			
2500		-12,5	-4,49	-5,82	-,4	1,989	2,432	4,345	,8797	,1329	-,226	-1,88	-3,85	-3,96	-8,29	-8,84			
3150		-9,41	-4,01	-3,09	-,925	2,292	3,282	2,359	1,865	,8771	-1,23	-1,98	-2,77	-2,85	-8,29	-4,38			
4000		-8,25	-3,27	1,722	,4267	3,151	2,402	,4161	1,126	-1,86	-1,36	-2,28	-1,24	-4,41	-4,76	-4,81			
5000		-11,7	-,325	-2,21	-,636	-1,45	-2,34	1,438	-1,72	4,388	,5614	2,837	-2,11	-3,15	-5,41	-6,18			
6300		-8,52	-1,88	-,985	,4132	,9733	1,148	,5142	,8047	1,589	,1823	,3237	-,716	-2,67	-8,46	-4,98			
8000		-8,54	-1,61	-,839	-1,39	-1,82	-,962	2,393	1,745	2,835	-,284	-1,12	,6869	-3,71	-5,27	-8,29			
10000		-8,87	-2,22	-1,82	-2,23	-1,38	-,939	,4713	,8772	1,247	1,511	1,447	3,419	-3,96	-8,43	-6,57			

AMBIENT TEMP, 83,0d
WETBULB TEMP, 68,0d
BAR, PRESSURE 29,24
ABS, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/U 8/28/69 R/U 9/5/69-3

[illegible] 80G-3 SPEED=7457

RADIAL DISTANCE = 254

DATE: 9/ /69

PAGE: 1

SCALE PRESSURE LEVELS -REDUCED AT STANDARD DAY

ANGLES FROM INLET

	0	16,2	24,3	32,4	40,	48,6	56,7	64,8	72,9	81,0	90,0	98,7	106,8	114,9	123,0	131,1	139,2	147,3	155,4	163,5	171,6	179,8	(PWL)
FREQ.																							
63				74,53	74,79	73,36	72,99	73,13	73,82	74,33	74,93	75,62	76,88	77,63	79,07	74,84	87,11	90,35					137,4
80				69,95	69,48	74,21	72,79	72,53	73,45	73,39	75,59	75,28	77,41	78,23	80,46	78,48	87,89	91,57					138,3
100				69,45	72,66	74,99	72,48	72,74	72,78	74,16	75,35	75,87	77,41	78,79	81,31	79,43	86,92	90,81					137,9
125				69,42	70,34	72,75	72,49	73,13	74,29	75,49	76,73	77,23	78,49	79,49	81,78	81,74	86,35	88,95					137,9
160				73,69	74,22	72,16	72,69	76,53	77,61	76,79	78,22	82,86	81,31	81,29	84,82	83,33	87,59	86,81					139,2
200				70,2	72,67	74,62	74,82	73,04	74,69	75,27	76,82	77,77	78,69	79,14	81,03	82,64	84,12	82,89					136,3
250				69,44	74,66	68,91	69,59	74,84	71,72	72,91	74,41	75,72	76,39	77,19	78,21	78,29	78,42	74,95					133,5
315				66,93	68,72	68,78	69,27	67,13	68,59	69,95	72,79	72,81	73,62	73,83	73,12	69,96	71,26	71,43					129,5
400				66,6'	65,12	67,74	67,38	66,74	69,24	68,13	67,63	68,75	69,79	69,13	73,83	76,33	79,41	73,29					128,9
500				66,76	69,46	74,69	72,79	71,81	70,11	69,66	70,95	71,17	72,99	76,15	79,76	81,41	80,27	77,81					134,1
630				74,69	72,33	73,88	74,79	74,27	74,82	74,98	75,24	76,16	76,49	79,41	82,09	82,76	81,33	80,69					136,9
800				71,82	74,62	74,98	76,28	77,22	77,26	77,80	78,28	78,99	79,82	81,13	83,47	82,92	79,54	82,51					138,4
1000				72,31	74,47	75,54	76,93	77,71	77,69	77,82	79,31	79,87	82,55	81,03	81,79	82,48	77,34	77,85					138,4
1250				71,79	74,75	76,54	76,73	79,87	79,58	76,37	79,85	78,74	78,49	78,39	78,87	77,68	75,99	76,82					137,7
1600				76,3.	79,16	83,23	91,41	94,27	92,46	91,88	91,48	86,47	87,54	87,26	85,01	80,23	81,87	82,65					149,1
2000				79,99	84,33	88,32	95,68	97,31	98,29	96,56	94,57	91,17	91,43	88,65	85,99	84,12	83,82	81,54					153,3
2500				76,29	82,49	82,87	85,13	88,32	88,74	88,41	86,92	85,16	83,21	82,88	81,57	82,82	80,42	78,31					145,5
3150				72,47	78,72	78,19	83,28	84,26	84,83	85,76	82,52	82,69	82,29	79,56	77,21	78,27	74,33	75,82					142,9
4000				76,19	81,34	83,62	86,19	88,62	89,31	87,65	87,14	86,36	85,26	83,44	82,72	82,16	78,72	81,89					146,5
5000				76,25	80,79	80,29	84,02	87,42	85,91	83,46	85,17	82,42	82,81	81,28	81,87	79,48	78,94	79,78					143,8
6300				76,99	85,83	85,79	86,59	87,75	86,61	94,86	87,66	91,69	91,95	90,82	86,84	84,11	82,97	82,55					149,9
8000				74,42	80,75	82,19	83,13	84,99	84,13	83,81	83,62	84,59	83,52	83,23	81,79	80,32	79,86	78,37					145,5
10000				72,31	79,49	84,89	79,45	81,15	80,69	84,63	82,81	83,89	81,86	79,82	78,62	76,63	75,86	74,38					145,2
12500				72,84	77,59	78,81	78,27	80,43	80,43	81,89	82,22	83,11	81,97	82,32	81,89	75,81	71,28	73,76					146,8
MEASURED	DASPL			88,77	93,45	95,48	98,72	101,4	101,2	102,7	99,39	98,72	96,72	97,64	96,97	95,94	97,49	99,26					
CALCULATED	DASPL			87,49	92,49	94,44	98,36	102,7	102,7	102,2	98,77	97,69	97,56	96,46	95,78	94,92	96,45	98,69					
				101,5	107,4	108,1	111,7	113,1	113,3	112,7	111,5	111,8	111,8	110,5	108,7	107,5	108,4	106,6					

OAPWL: 158,5

AMBIENT TEMP, 83,86
REFERENCE TEMP, 98,22
REF. PRESS DF 29,24
REF. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/D 9/5/69-3

RUN 82 REF 31 SPEED 8114

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RADIAL DISTANCE 25.

DATE: 7/15/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET																(Hz)
50	-5,11	-4,04	-6,47	-6,24	-6,51	-5,62	-5,31	-4,71	-4,62	-2,76	-2,88	,8333	-4,79	7,473	12,71		
63	-1 ,6	-10,9	-1 ,2	-7,21	-7,87	-6,95	-7,21	-4,61	-5,12	-2,99	-2,17	,8506	-1,95	7,487	11,16		
80	-1 ,6	-9,96	-9,43	-7,75	-7,26	-7,25	-5,87	-4,97	-4,15	-2,61	-1,24	1,279	-,999	6,892	12,78		
100	-1 ,6	-9,47	-9,47	-7,52	-6,68	-5,73	-4,32	-3,68	-2,59	-1,33	-,316	1,964	1,924	6,933	9,132		
125	-6,22	-6,88	-6,94	-6,16	-4,37	-4,66	-4,42	-2,87	,9029	,2163	,1900	2,923	2,228	6,495	4,917		
160	-7,01	-5,94	-7,38	-7,10	-4,96	-3,91	-2,74	-2,21	-,236	,8832	1,128	3,822	2,639	6,112	2,879		
200	-5,98	-4,65	-6,21	-5,54	-4,29	-3,41	-2,22	-,719	,5965	1,279	2,864	3,985	3,184	3,274	-,179		
250	-2,66	-2,27	-4,21	-5,02	-3,86	-2,48	-1,65	-,195	1,814	2,028	2,238	2,131	-1,23	,2682	,4384		
315	-3,81	-5,69	-2,67	-5,53	-3,66	-5,17	-4,28	-2,75	-1,65	-,619	-1,28	2,617	5,971	4,996	2,879		
400	-8,63	-6,52	-4,73	-3,99	-3,97	-5,27	-5,72	-4,43	-4,21	-2,39	,7646	4,379	6,855	5,189	2,484		
500	-7,96	-5,74	-4,19	-3,68	-3,79	-3,26	-3,88	-2,83	-1,98	-1,97	1,348	4,633	4,699	3,273	2,432		
630	-7,61	-5,42	-4,45	-2,85	-2,22	-2,18	-1,63	-1,15	-,448	,3835	1,695	4,235	3,489	,1964	1,874		
800	-6,99	-4,63	-3,76	-2,77	-1,59	-2,21	-1,48	,0122	,5746	3,291	1,734	2,445	1,182	-1,96	-2,25		
1000	-6,67	-3,71	-1,91	,2709	1,412	1,129	-,287	1,394	,2847	,0383	-,263	-,383	-,776	-2,46	-1,63		
1250	-13,4	-12,5	-6,44	1,336	4,599	2,785	2,285	1,732	-3,19	-2,68	-2,41	-3,86	-4,44	-8,89	-7,82		
1600	-13,6	-9,27	-5,28	1,491	3,719	4,492	2,962	,9692	-2,43	-2,57	-4,99	-7,61	-8,47	-8,98	-12,1		
2000	-9,26	-5,86	-2,68	,4414	,7023	3,189	2,855	1,352	-,391	-2,34	-2,75	-3,99	-2,73	-5,16	-6,24		
2500	-9,62	-3,58	-4,09	,9015	1,973	2,546	3,473	,2359	,4229	,2812	-2,73	-5,98	-4,81	-7,95	-7,26		
3150	-9,79	-4,63	-2,37	,2824	2,639	3,326	1,667	1,157	,3718	-,729	-2,54	-3,26	-3,83	-9,27	-6,89		
4000	-7,67	-3,13	2,172	,8767	3,498	1,987	-,458	1,247	-,587	-1,91	-2,65	-2,85	-4,52	-4,99	-4,14		
5000	-11,3	-1,69	-2,72	-2,62	-,781	-2,49	1,489	-,852	3,172	3,448	1,582	-2,47	-4,41	-5,54	-9,07		
6300	-8,59	-2,25	-,809	,1238	1,995	1,129	,2274	,6227	1,592	,5148	,2233	-1,26	-2,68	-8,94	-4,63		
8000	-6,92	-1,73	-,342	-,118	-,285	-,543	3,486	1,583	2,657	-,178	-1,41	-2,62	-4,62	-6,17	-6,66		
10000	-11,1	-3,11	-2,29	-2,53	-,271	-,674	1,188	1,503	2,486	,8832	1,619	1,191	-4,89	-8,43	-6,94		

AMBIENT TEMP, 83,84
STAGE TEMP, 90,22
BAR. PRESSURE 29,24
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 6/28/69 R/D 9/9/69-3

RUN 82 NOG=31 SPEED=8119

RADIAL DISTANCE 252.

DATE: 9/29/59 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	2,2	14,2	26,2	32,2	44,2	50,2	62,2	74,2	86,2	92,2	104,2	116,2	122,2	134,2	146,2	158,2	168,2	178,2	(PWL)
FREQ.																			
50		75,41	75,58	74,43	73,25	74,22	74,42	75,25	75,51	76,57	77,82	78,74	80,98	76,84	80,27	91,15			138,4
63		72,19	72,62	71,36	73,25	72,94	73,82	74,33	76,37	76,49	78,12	79,58	81,69	78,98	89,87	92,41			139,2
80		74,32	73,89	71,82	72,89	73,69	74,69	75,65	76,37	76,79	78,18	79,98	82,04	82,22	87,66	91,58			138,8
100		74,65	71,60	71,82	73,19	74,22	75,23	76,45	77,73	78,15	79,35	80,68	83,85	83,81	87,48	89,76			138,9
125		72,56	74,13	74,21	72,99	75,92	77,84	77,65	78,69	81,53	81,78	81,79	85,18	84,39	88,56	86,67			139,9
160		71,23	73,21	72,69	71,98	74,06	75,75	76,53	77,68	79,38	80,31	80,37	83,29	82,38	85,79	81,83			137,8
200		69,61	71,13	69,37	69,49	72,71	71,37	73,31	74,77	76,85	77,37	78,62	79,14	79,62	80,08	76,79			134,4
250		66,53	67,29	66,37	65,75	66,74	67,73	70,38	71,87	73,37	74,22	74,19	73,53	71,29	72,39	74,87			130,8
315		66,23	66,71	69,54	69,54	66,80	66,58	66,79	68,21	69,29	70,19	70,12	73,54	76,15	74,62	71,78			129,3
400		74,69	76,42	72,72	74,22	73,73	73,11	74,69	74,74	74,97	73,46	76,48	80,18	81,89	80,49	74,58			134,7
500		72,75	74,85	75,58	76,43	76,17	76,74	76,84	75,96	77,66	77,29	80,48	83,45	83,54	81,74	77,82			137,8
63		74,37	76,35	76,71	80,36	83,65	82,62	84,43	83,49	83,17	82,56	83,58	84,48	84,24	81,24	80,86			141,8
800		75,64	76,64	79,52	83,39	84,39	83,68	87,32	89,93	87,65	84,62	84,97	83,39	84,68	79,41	82,38			144,5
1000		72,72	75,38	77,31	82,86	85,95	82,62	83,11	88,32	88,15	79,99	80,94	79,33	80,74	77,72	80,35			140,8
1250		76,95	82,45	86,27	90,35	93,45	93,62	92,26	86,62	85,97	87,96	84,97	87,09	85,72	82,18	83,86			149,3
1600		79,82	83,37	87,89	91,29	93,03	91,81	94,23	91,62	88,68	87,25	87,97	86,96	86,27	83,21	82,53			149,9
2000		76,36	82,19	82,27	88,84	91,39	89,69	87,69	84,25	81,78	82,36	83,36	81,27	82,30	81,28	78,83			146,1
2500		73,37	79,52	78,99	83,67	85,82	84,49	87,21	83,17	82,46	83,18	81,99	79,92	78,64	74,76	75,33			143,3
3150		77,38	82,63	84,52	85,93	89,79	88,72	86,35	88,49	85,44	85,19	84,98	82,86	82,51	78,72	80,58			147,8
4000		76,97	82,66	85,37	84,16	86,73	85,23	83,11	85,32	81,87	82,11	82,89	81,87	78,83	79,84	79,18			144,7
5000		78,16	86,93	85,28	87,23	87,57	86,36	92,49	87,76	90,84	93,86	91,16	86,41	87,55	83,28	81,95			150,8
6300		75,67	81,75	81,95	84,41	84,69	83,34	84,88	84,27	83,98	85,41	84,85	82,85	80,32	75,35	78,37			146,8
8000		72,59	79,59	80,29	79,37	80,84	79,64	83,78	82,14	82,86	82,03	80,23	77,72	75,36	74,35	73,55			142,7
10000		71,22	77,13	77,24	77,45	79,39	79,48	81,49	82,28	81,23	82,18	83,17	81,23	75,17	71,16	72,71			146,5
MEASURED OASPL		89,87	93,86	95,72	99,49	102,8	99,67	100,8	98,87	98,28	99,23	98,47	97,73	96,81	98,42	99,99			
CALCULATED OASPL		88,29	93,82	94,76	98,48	99,95	98,93	99,98	98,82	97,17	96,87	97,23	96,64	95,77	97,29	98,79			
PNDB		141,5	147,5	149,2	152,3	152,4	151,4	153,2	151,1	151,3	152,9	151,6	149,3	147,6	146,8	146,6			

OAPWL: 158,3

AMBIENT TEMP, 83,88
WET-BULB TEMP, 68,06
BAR. PRESSURE 29,84
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST F/D 8/28/59 R/D 9/8/59-3

RUN 2 RPM 32 SPEED 8345

R54

RADIAL DISTANCE 256

DATE: 9/ 9/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 6,0	14,1	22,1	30,2	38,2	46,2	54,2	62,2	70,2	78,2	86,2	94,2	102,2	110,2	118,2	126,2	134,2	142,2	150,2	158,2	166,2	174,0 (PWL)
5			-5,19	-5,63	-6,18	-7,66	-8,39	-8,18	-8,35	-5,69	-4,84	-2,81	-1,87	,3868	-4,57	7,664	10,55	
63			-11,2	-12,9	-12,6	-7,82	-6,43	-7,55	-7,84	-5,62	-4,67	-3,24	-1,78	,3295	-2,39	7,698	11,84	
8			-1,9	-9,87	-9,64	-7,76	-7,17	-6,77	-5,21	-4,49	-4,66	-2,68	-,879	1,186	-,657	6,861	10,72	
12			-1,8	-9,23	-9,21	-7,35	-6,61	-5,61	-4,38	-3,12	-2,69	-1,48	-,233	2,218	2,171	6,569	8,922	
125			-9,19	-7,63	-7,75	-8,76	-5,84	-3,92	-4,08	-3,67	-,233	,8168	,9349	3,417	2,439	6,885	4,910	
16			-8,37	-6,37	-6,89	-7,07	-5,52	-3,83	-3,05	-2,49	-,283	,732-	,7868	3,787	2,8 3	6,289	2,252	
22			-8,44	-4,92	-6,68	-6,97	-5,34	-4,68	-2,74	-1,28	-,884	1,318	2,553	3,287	3,1 1	4,829	,7419	
25			-3,64	-4,27	-5,22	-5,32	-4,83	-3,84	-1,19	-,495	1,798	2,651	2,622	1,959	-,272	,8169	2,503	
31			-4,52	-4,44	-4,21	-4,11	-1,87	-4,17	-3,96	-2,54	-1,46	-,555	,634	2,785	5,397	3,873	1,825	
42			-5,93	-3,59	-3,29	-1,81	-2,28	-2,92	-4,32	-4,27	-4,84	-2,35	,9809	4,172	5,884	4,478	-1,43	
52			-8,19	-4,69	-3,38	-2,27	-2,76	-2,19	-2,89	-2,97	-1,88	-1,68	1,589	4,516	4,082	2,885	-4,12	
63			-8,29	-6,49	-4,13	-2,39	,8455	-,233	1,582	,6428	,3192	-,285	,7311	1,632	1,388	-1,61	-1,98	
80			-1,4	-8,76	-5,88	-2,62	-1,61	-2,52	1,899	4,527	2,242	-,788	-,437	-2,21	-,721	-5,79	-3,43	
122			-8,82	-6,14	-4,22	1,383	4,432	1,104	1,592	-1,62	-1,37	-1,53	-,588	-2,19	-,779	-3,82	-1,18	
125			-12,9	-7,39	-3,57	3,567	4,113	3,779	2,427	-3,23	-3,87	-1,88	-4,87	-2,75	-4,12	-7,66	-6,78	
162			-10,4	-6,81	-2,29	1,424	2,361	1,637	3,854	1,428	-1,49	-2,93	-2,21	-3,21	-3,89	-6,95	-7,64	
200			-9,78	-5,95	-3,87	2,782	5,257	3,554	1,557	-1,89	-4,36	-3,78	-2,78	-5,87	-3,74	-4,66	-7,51	
250			-9,74	-3,59	-4,11	,9597	2,715	1,382	3,923	,8415	-,645	,0719	-1,11	-3,38	-4,46	-6,35	-7,78	
315			-9,47	-3,82	-1,93	,4838	3,333	2,272	1,982	1,951	-1,81	-1,26	-1,55	-3,59	-3,94	-9,73	-8,87	
400			-6,87	-2,58	2,226	,8198	3,188	1,684	-,432	1,761	-1,68	-1,43	-1,45	-1,67	-4,71	-4,91	-4,36	
500			-11,2	-2,43	-4,68	-2,-3	-1,79	-2,99	3,134	-1,59	1,481	4,507	1,881	-2,95	-5,82	-6,48	-7,48	
630			-7,91	-1,82	-1,63	,8277	1,121	-,236	,5725	,8895	,4812	1,833	1,276	-,723	-3,26	-8,23	-5,22	
800			-6,12	-1,11	-,429	-1,33	-,663	-1,66	3,277	1,442	2,156	1,328	-,467	-2,98	-5,39	-6,35	-7,15	
1000			-4,29	-3,16	-3,67	-2,84	-,913	,8035	1,186	1,964	,7497	1,884	2,858	,9217	-5,14	-8,15	-7,59	

AMBIENT TEMP, 83,00
ATMOSPHERIC TEMP, 58,24
BAR, PRESSURE 29,24
AMB, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/9/69-3

RUN=2 RDG=39 SPEED=8343

RADIAL DISTANCE = 256

DATE: 9/.5/69

PAGE: 2

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	16,2	22,.	32,0	42,2	52,2	62,2	72,2	82,2	92,2	102,2	112,2	122,0	132,0	142,2	152,2	162,2	172,2	(PWL)
5?			75,28	75,58	74,35	73,91	74,39	75,07	75,33	76,06	76,87	78,83	79,63	81,58	77,16	89,63	92,71		11?,5
63			72,83	72,99	71,82	73,91	73,69	74,59	74,68	76,79	77,29	79,17	80,48	82,54	83,85	98,17	93,56		140,2
8.			74,92	71,72	72,98	73,91	74,79	74,92	76,09	77,28	76,28	79,17	80,68	43,15	81,65	89,25	93,80		140,1
102			72,79	72,39	72,78	73,91	74,88	75,96	77,12	78,51	79,21	80,47	81,54	83,84	83,82	88,77	91,19		140,8
125			73,22	74,56	74,29	73,28	75,56	77,01	78,21	79,13	80,77	81,42	83,23	85,49	85,84	89,66	87,85		142,5
162			73,27	75,13	74,36	72,81	75,27	76,77	78,27	78,09	81,21	81,85	82,91	86,18	84,01	87,28	83,83		139,3
200			72,5?	72,67	69,81	72,45	71,56	72,59	74,17	75,29	76,96	78,25	79,86	80,74	81,36	81,07	79,81		135,6
252			72,49	69,52	66,37	65,97	67,69	68,95	76,92	71,21	73,89	74,78	75,43	75,69	72,81	73,43	76,92		131,1
315			67,02	65,84	69,24	66,89	69,19	66,98	69,52	68,21	69,63	71,38	71,69	73,44	76,98	76,39	73,19		138,8
4??			69,04	72,64	72,19	74,20	73,99	73,66	72,61	72,92	73,59	74,79	77,67	80,54	82,89	83,08	79,84		138,6
5?			72,49	73,15	75,58	76,09	76,89	77,28	77,12	77,32	79,26	78,33	81,26	84,18	84,56	83,98	79,59		138,5
63			76,7?	77,21	8?,43	82,37	85,79	84,03	83,52	82,28	82,19	84,89	85,19	86,44	84,93	83,34	88,98		142,8
?2?			79,2?	82,41	83,21	85,21	89,29	86,62	89,34	89,18	87,79	87,75	87,77	87,49	84,22	84,57	82,31		144,5
1?2?			74,16	75,91	78,81	81,47	81,54	81,12	82,71	81,69	88,97	90,41	81,39	88,92	89,46	79,91	79,83		140,2
125?			76,75	84,11	85,75	93,09	95,39	95,37	91,58	90,74	88,79	85,37	86,37	82,75	83,25	81,11	88,86		156,1
162?			79,34	82,32	86,11	87,98	92,39	91,62	94,63	91,13	91,54	85,46	85,68	84,46	86,54	86,54	81,61		148,8
2?2?			76,48	82,32	84,47	87,48	89,24	88,03	86,68	84,89	84,29	83,39	82,66	81,85	82,78	89,58	79,12		145,4
25??			74,68	79,17	79,29	84,71	86,63	85,38	84,95	82,89	84,66	83,68	82,17	80,97	82,38	76,81	77,39		144,8
315?			7?,54	82,62	84,14	86,22	86,58	87,39	86,18	85,44	85,27	84,18	82,86	82,47	82,82	77,35	80,12		145,7
4?2?			7?,65	78,96	84,91	83,57	80,12	85,25	82,32	84,43	82,99	82,14	81,49	82,25	79,62	79,82	78,79		144,3
5?2?			77,49	84,86	84,86	86,45	86,22	86,89	92,76	88,13	91,78	90,99	88,78	86,87	84,85	82,65	81,82		158,1
63??			75,38	82,63	82,58	83,87	84,67	84,53	86,37	84,69	86,99	85,94	85,55	84,47	82,23	77,17	78,77		147,1
8?2?			71,83	77,63	79,91	78,72	80,84	81,52	84,20	82,61	80,26	82,96	80,83	78,96	76,56	75,65	75,28		145,7
10?2?			69,93	74,58	78,53	76,77	78,21	79,12	79,89	81,99	83,53	81,92	81,91	80,46	75,96	72,63	71,84		146,2
MEASURED OASPL			89,59	92,44	95,01	95,09	122,9	100,5	122,2	98,99	99,69	98,43	98,21	98,29	97,41	99,84	101,1		
CALCULATED OASPL			88,53	91,78	94,72	97,57	107,1	99,71	99,29	98,16	98,75	97,36	97,89	97,14	96,36	96,68	99,91		
SPDB			1?1,?	1?6,6	1?8,?	129,7	111,8	111,2	113,1	110,7	112,6	111,6	110,6	109,5	108,3	107,5	106,6		
																		OAPWL:	158,4

AMBIENT TEMP, 83,22
REFERENCE TEMP, 60,22
BAR. PRESS OF 29,.4
RES. = 4?1?4? 12,93

SCALE MODEL ACOUSTIC TEST T/O 8/28/69 R/D 9/5/69-3

PU ?? H?3?37 SMEL?=E5?7

RADIAL DISTANCE 25d

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM JET

FREQ.	0.0	10.8	21.6	32.4	43.2	54.0	64.8	75.6	86.4	97.2	108.0	118.8	129.6	140.4	151.2	162.0	172.8 (Peak)
50		-6.48	-6.16	-7.41	-7.85	-7.57	-6.69	-6.43	-5.69	-4.89	-2.93	-2.13	-.297	-4.60	7.875	10.99	
63		-11.5	-11.4	-12.6	-8.48	-8.69	-7.79	-7.71	-5.59	-5.69	-3.23	-1.91	.1497	-2.34	7.779	11.16	
80		-11.2	-12.4	-9.18	-8.65	-7.36	-7.25	-6.27	-4.08	-4.26	-2.99	-1.48	.9885	-.587	7.293	10.84	
100		-11.2	-9.97	-9.17	-8.44	-7.67	-5.99	-4.83	-3.44	-2.75	-1.48	-.428	1.886	1.872	6.819	9.241	
125		-9.89	-7.75	-8.21	-9.43	-8.75	-5.29	-4.12	-3.19	-1.54	-.898	.9195	3.143	2.728	7.546	9.537	
160		-8.29	-6.43	-7.22	-8.75	-8.29	-4.79	-3.29	-2.87	-.556	.2859	1.344	4.615	3.847	5.716	2.291	
200		-8.64	-5.25	-7.41	-7.18	-5.66	-4.04	-3.25	-1.94	-.267	1.222	2.642	3.517	3.839	3.847	1.788	
250		-8.19	-3.19	-8.32	-9.72	-4.99	-4.69	-2.77	-1.48	1.205	2.214	2.745	3.211	.1242	.7981	4.233	
315		-5.84	-5.83	-2.23	-4.87	-2.27	-4.48	-2.95	-3.25	-1.83	-.162	.2327	1.980	5.436	4.929	1.726	
400		-7.68	-6.25	-4.69	-2.19	-2.80	-3.63	-4.28	-3.97	-3.29	-2.99	.7037	3.655	6.887	5.195	-1.85	
500		-7.32	-6.66	-4.24	-3.12	-2.92	-2.76	-2.71	-2.49	-1.56	-1.46	1.449	4.386	4.745	3.691	-.214	
630		-7.11	-6.88	-3.46	-1.98	1.929	.9412	-.373	-1.85	-1.69	1.004	1.297	2.546	1.837	-.549	-2.99	
800		-8.15	-7.63	-4.23	-2.63	1.854	1.183	1.897	1.742	.3523	.3118	.3323	.8512	-3.22	-2.87	-5.13	
1000		-8.73	-5.24	-2.14	.5293	.5899	.1714	1.764	.7365	.2182	-.539	.4459	-.232	-.493	-1.64	-1.11	
1250		-11.9	-12.6	-4.94	2.972	4.699	4.678	.8868	.8461	-1.91	-5.33	-4.33	-7.95	-7.45	-8.58	-9.84	
1600		-12.8	-8.82	-3.63	-1.17	3.249	2.456	1.487	1.998	2.488	-3.69	-3.54	-4.66	-2.59	-2.62	-7.93	
2000		-8.92	-5.27	-.928	2.282	3.646	3.229	1.287	-.524	-1.13	-2.22	-2.72	-3.75	-2.61	-4.89	-6.28	
2500		-9.75	-4.67	-4.54	.8698	2.793	1.545	3.127	-.953	.8175	-.161	-1.67	-2.87	-1.45	-7.23	-6.45	
3150		-8.45	-4.47	-.957	1.229	3.491	2.293	1.292	.3441	.1794	-.916	-2.23	-2.62	-2.28	-7.74	-4.97	
4000		-6.97	-4.26	1.685	.6476	2.892	2.828	-.902	1.269	-.235	-1.08	-1.73	-.979	-3.61	-3.42	-4.43	
5000		-11.5	-3.77	-3.76	-2.57	-2.41	-1.73	4.136	-.491	3.193	2.360	.1531	-2.56	-4.58	-5.98	-7.61	
6300		-9.26	-4.62	-2.29	-.774	.8266	-.115	1.721	.2473	2.341	1.292	.9877	-.175	-2.42	-7.48	-8.87	
8000		-9.91	-3.90	-1.82	-3.41	-1.69	-.216	2.469	.8746	4.528	1.223	-1.70	-2.75	-5.16	-5.86	-6.45	
10000		-10.1	-5.46	-3.51	-3.27	-1.83	-.924	-.143	1.948	3.486	1.581	1.871	.4347	-4.88	-7.41	-8.20	

AMBIENT TEMP. 65.66
DEW POINT TEMP. 56.20
BAR. PRESSURE 29.24
REL. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST - 6/28/69 R/D 9/5/69-3

PT. #2 H03-63 SPEED-885

RADIAL DISTANCE 150

DATE: 9/02/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 6.0	10.2	26.2	30.0	42.0	50.2	62.2	70.2	82.2	90.0	100.0	110.0	122.0	132.0	146.2	150.2	162.0	170.0	(PWL)
50						66,08	67,89	68,74	68,74	70,78	69,99	74,87	71,85						122,1
63						64,32	66,11	66,52	66,43	73,22	68,87	73,62	70,79						122,8
80						67,36	67,12	67,68	67,37	68,55	69,11	71,65	70,67						128,7
100						66,18	66,57	69,49	68,69	69,77	70,42	72,86	71,68						121,8
125						63,85	64,25	66,14	66,82	67,28	68,38	70,34	70,39						119,7
160						62,37	62,94	64,85	66,29	67,39	67,77	71,89	70,67						119,6
200						63,55	63,79	67,81	68,17	67,99	67,71	74,24	72,74						121,6
250						61,48	61,51	61,85	62,84	62,54	63,73	64,76	64,56						116,9
315						64,65	63,58	62,19	62,37	63,57	64,78	65,82	66,81						116,4
400						69,98	68,88	67,15	67,62	68,12	68,57	70,25	71,29						121,2
500						69,98	67,44	70,82	70,34	69,93	70,76	71,43	72,57						122,9
630						69,66	67,44	69,22	69,12	69,41	70,72	70,88	72,86						122,2
800						70,04	69,22	67,66	67,84	67,55	68,29	69,27	70,19						121,2
1000						76,13	73,80	72,95	73,49	72,68	73,54	74,08	75,33						126,6
1250						75,75	74,57	73,88	72,74	72,56	73,22	73,98	74,93						126,5
1600						76,44	76,88	75,73	74,42	75,23	75,13	75,89	75,69						128,2
2000						75,86	75,79	74,35	73,15	74,26	74,61	76,87	75,80						127,9
2500						77,17	77,15	75,57	75,84	76,83	77,81	80,88	79,48						138,7
3150						84,75	83,20	82,72	82,78	83,52	84,38	85,38	85,35						142,4
4000						84,74	83,42	83,84	83,19	84,69	83,82	84,44	84,98						138,2
5000						78,12	78,98	78,38	77,47	78,81	79,81	83,48	81,89						133,6
6300						83,42	84,73	81,88	82,78	82,37	85,85	83,69	85,93						138,3
8000						81,10	82,27	77,98	78,93	79,23	82,15	82,95	83,76						134,7
10000						80,93	81,88	77,75	78,55	79,37	80,39	81,11	80,87						136,6
MEASURED OASPL						93,93	94,58	92,44	92,61	93,65	95,13	94,98	95,24						
CALCULATED OASPL						92,06	93,28	91,27	91,47	92,64	93,98	93,67	93,95						
PNDB						187,8	188,3	186,7	186,8	188,8	189,2	186,9	189,1						

OAPWL: 144,7

AMBIENT TEMP, 78,00
WET-BULB TEMP, 66,82
BAR, PRESSURE 29,87
ABS, HUMIDITY 12,69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN#2 RDG# 5 SPEED#5447

RADIAL DISTANCE 150

DATE: 9/22/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-2.67	-.848	-.812	-.811	1.956	1.239	5.323	3.887						
63						-4.35	-.558	-.144	-.241	4.556	-.594	-.952	2.129						
80						.6814	-.159	.4814	.6862	1.273	1.832	4.367	3.386						
100						-.141	.2401	1.167	.3667	1.445	2.099	3.941	3.398						
125						-2.29	-1.89	.0826	.6838	1.446	2.246	4.228	4.263						
160						-3.44	-3.87	-1.17	.2833	1.385	1.757	5.876	4.658						
200						-4.42	-4.19	-.938	.2179	.8484	-.243	6.293	4.785						
250						.1979	.2228	.5598	.7553	1.256	2.443	3.471	3.279						
315						1.462	.9945	-.399	-.228	.9795	2.189	3.231	3.918						
400						2.699	1.314	-.219	.2487	.7848	1.119	2.877	3.919						
500						1.579	-.444	1.139	1.458	1.845	1.879	2.749	3.689						
630						.8401	-.781	1.887	.6984	1.191	2.587	2.699	3.841						
800						3.742	2.110	.5458	-.274	.4397	1.181	2.156	3.883						
1000						3.749	1.482	.5387	1.887	.2799	1.136	2.195	2.921						
1250						3.593	2.482	1.668	.5432	.3672	1.829	1.491	2.487						
1600						2.761	2.335	1.989	.6888	1.486	1.388	1.347	1.955						
2000						2.363	2.285	1.852	-.148	.9627	1.321	2.773	2.998						
2500						1.185	1.167	.5864	-.339	.8914	1.833	4.893	3.401						
3150						1.292	1.827	.2024	.3271	2.867	3.218	2.922	2.998						
4000						1.832	2.584	.1526	.3189	1.884	2.929	1.896	2.889						
5000						.8584	.8928	-1.76	-.398	-.852	1.744	3.614	3.835						
6300						1.285	2.589	-.282	.5434	.2187	2.886	1.932	3.789						
8000						1.569	2.652	-2.64	-.684	-.385	2.537	2.914	4.149						
10000						1.755	2.889	-.925	.2775	1.894	2.115	2.838	2.593						

AMBIENT TEMP, 78.88
WET-BULB TEMP, 66.98
BAR, PRESSURE 29.67
ABS, HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDG= 6 SPEED=5447

RADIAL DISTANCE 150

DATE: 9/22/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 6.0	10.2	22.2	36.0	42.0	52.2	62.2	72.2	82.2	92.0	102.0	112.0	122.0	132.0	142.2	152.2	162.0	172.0	(PWL)
50						68,98	69,32	68,44	73,85	78,58	78,51	71,18	71,83						121,9
63						65,64	66,42	69,89	68,99	71,88	66,89	71,86	78,84						121,1
80						64,57	65,46	65,85	66,49	67,99	67,17	70,14	71,18						119,9
100						69,71	78,82	78,86	78,43	72,15	73,33	73,39	72,87						123,6
125						64,33	64,79	66,48	67,87	67,94	69,11	69,27	78,98						119,9
160						63,75	64,88	65,81	66,75	67,52	69,33	69,33	69,97						119,3
200						65,71	65,46	69,15	78,49	67,15	69,49	67,84	73,92						121,4
250						61,86	62,85	62,19	61,72	62,43	63,42	63,64	64,83						114,9
315						65,31	65,33	63,43	64,59	65,67	66,77	67,56	68,93						118,3
400						70,73	70,12	68,18	69,18	70,24	70,25	72,89	73,69						122,8
500						71,74	71,37	71,13	70,71	72,82	72,82	73,62	74,83						124,4
630						70,39	69,12	71,89	69,86	70,17	71,58	73,38	72,29						123,2
800						72,35	70,52	69,88	68,31	66,59	69,42	70,68	71,86						122,4
1000						76,89	75,23	74,84	73,67	73,27	74,33	74,83	75,89						127,2
1250						76,89	75,88	74,92	73,88	73,22	74,16	74,54	75,37						127,4
1600						77,94	77,54	76,41	75,36	76,18	76,38	76,44	76,92						129,4
2000						77,28	77,18	76,79	74,47	74,99	75,55	77,26	77,18						129,2
2500						78,99	78,49	77,94	76,55	76,79	78,49	80,87	80,38						131,8
3150						84,84	84,95	83,14	83,18	84,89	86,76	85,28	85,89						138,2
4000						89,39	90,83	87,29	87,88	89,83	92,16	84,85	90,82						143,1
5000						82,12	80,91	77,91	78,42	78,96	81,75	83,11	83,69						133,3
6300						82,61	83,23	80,79	81,13	81,16	83,91	84,89	85,19						137,4
8000						84,84	85,72	80,89	81,84	81,27	83,38	84,84	85,47						139,8
10000						83,32	82,98	79,98	79,96	82,85	82,15	82,34	84,65						138,9
MEASURED OASPL						95,26	95,61	93,82	93,16	94,88	96,34	95,64	96,39						
CALCULATED OASPL						93,72	94,88	91,96	91,72	92,64	95,89	94,15	94,98						
PNDB						108,7	109,1	106,9	107,1	107,9	110,9	108,9	109,8						

OAPWL: 147,6

AMBIENT TEMP, 78,00
WET-BULB TEMP, 66,00
BAR, PRESSURE 29,07
ABS, HUMIDITY 12,69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDQ= 7 SPEED=5734

RADIAL DISTANCE 150

DATE: 9/22/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 4.8	14.2	22.6	30.8	42.8	54.2	62.2	78.2	86.2	98.8	106.8	118.8	126.8	138.8	146.8	158.2	166.8	178.8 (PHL)
50																		
63																		
80																		
100																		
125																		
160																		
200																		
250																		
315																		
400																		
500																		
630																		
800																		
1000																		
1250																		
1600																		
2000																		
2500																		
3150																		
4000																		
5000																		
6300																		
8000																		
10000																		

AMBIENT TEMP. 78.00
WET-BULB TEMP. 66.00
BAR. PRESSURE 29.07
ABS. HUMIDITY 12.69

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDS= 7 SPEED=5734

RADIAL DISTANCE 150

DATE: 9/02/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						68.98	69.89	69.44	69.79	70.95	73.96	71.97	72.22						122.2
63						65.94	69.41	69.91	69.75	71.39	70.28	72.61	72.87						122.2
80						66.39	66.89	67.13	68.16	69.62	70.56	71.54	72.29						121.3
100						68.23	69.98	71.91	73.82	76.51	77.20	76.85	71.48						126.5
125						65.54	66.39	67.86	68.69	69.96	70.74	71.72	72.22						121.6
160						64.64	64.88	66.28	67.61	68.98	69.54	70.65	70.94						120.4
200						64.79	64.88	66.59	68.86	66.28	67.51	70.74	73.22						120.8
250						62.11	62.85	62.73	61.36	62.43	63.93	64.68	65.67						115.4
315						67.51	67.82	65.64	65.61	67.59	68.15	69.39	70.55						120.0
400						71.78	70.99	69.17	70.83	71.29	71.74	73.44	74.73						124.1
500						71.67	71.83	71.97	72.17	72.79	73.55	74.15	75.57						125.3
630						70.24	69.88	71.75	71.35	71.70	72.59	72.93	73.64						124.2
800						73.53	71.73	69.86	69.56	69.81	70.79	71.88	72.45						123.7
1000						77.25	76.84	75.37	75.41	74.89	75.38	75.71	76.49						128.3
1250						76.21	77.36	76.47	75.28	74.89	75.81	76.86	76.76						128.9
1600						75.67	78.79	78.84	76.88	77.61	77.42	77.64	77.95						130.6
2000						78.77	79.13	77.89	76.28	76.76	76.84	78.57	78.86						130.7
2500						78.76	80.18	79.72	78.36	78.56	79.73	80.22	81.07						133.1
3150						86.24	84.89	83.69	83.15	83.24	84.96	85.89	84.75						137.5
4000						92.28	94.92	92.17	91.36	91.85	93.75	92.83	91.27						140.1
5000						81.81	81.71	79.36	80.76	80.72	83.38	80.55	85.88						136.5
6300						83.17	83.54	82.17	83.72	83.43	86.00	86.38	87.64						139.2
8000						83.36	86.78	82.12	83.11	82.37	82.81	86.32	84.72						139.8
10000						83.27	81.97	79.55	80.31	79.73	81.95	81.92	84.56						138.4
MEASURED OASPL						96.78	98.33	95.79	95.53	95.36	97.37	97.28	97.14						
CALCULATED OASPL						95.21	96.87	94.47	94.13	93.97	96.13	95.89	95.78						
PNDB						112.7	112.4	110.2	109.7	109.6	111.7	111.2	110.8						

OAPWL: 149.2

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.87
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDG= 8 SPEED=6821

RADIAL DISTANCE 150

DATE: 9/02/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						.0837	.1971	.5434	.8932	2.059	2.066	3.071	3.323					
63						-2.95	.5381	1.027	.8619	2.514	1.396	3.726	3.166					
82						-1.31	-1.01	-.766	.2627	1.725	2.668	3.638	4.395					
102						-4.40	-3.84	-1.11	.8899	3.499	4.188	3.837	1.441					
125						-2.49	-1.63	-.181	.6581	1.915	2.703	3.681	4.182					
160						-2.79	-2.03	-.554	.7748	2.149	2.789	3.819	4.184					
200						-2.39	-2.38	1.402	.0735	-.908	.3388	3.551	6.033					
252						.4898	1.147	1.025	-.346	.7312	2.228	2.975	3.967					
315						1.278	.7863	-.993	-.627	1.359	1.919	3.158	4.313					
400						1.567	.7722	-1.05	-.102	1.884	1.524	3.222	4.514					
500						.2827	-.395	.5799	.7823	1.418	2.168	2.768	4.188					
632						.8446	-.347	1.522	1.116	1.469	2.364	2.780	3.404					
802						3.954	2.187	.2894	-.813	.2376	1.212	2.227	2.876					
1002						3.172	1.961	1.299	1.333	.6118	1.305	1.636	2.421					
1250						3.536	2.666	1.881	.6067	.2176	1.189	1.395	2.090					
1600						2.698	2.622	1.865	.6316	1.439	1.251	1.463	1.781					
2000						2.455	3.021	1.783	.1693	.6464	.7221	2.455	1.941					
2500						1.395	1.810	1.351	-.807	.1942	1.359	3.649	2.788					
3150						1.660	2.316	1.118	.5729	.6482	2.380	2.521	2.172					
4000						1.472	4.112	1.369	.5829	.2436	2.946	1.222	.4636					
5000						.8294	.7384	-1.62	-.223	-.263	2.319	4.574	4.899					
6300						.8197	.3818	-.989	.5634	.2794	2.849	3.149	4.482					
8000						2.723	3.969	-.610	.3811	-.366	.8734	3.586	1.986					
10000						3.194	1.888	-.550	.2038	-.372	1.848	1.417	4.455					

AMBIENT TEMP. 61.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.87
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDB= 8 SPEED=6021

RADIAL DISTANCE 152

DATE: 9/22/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						70.71	71.56	71.57	71.27	72.25	71.79	72.82	73.34						123.6
63						67.87	69.98	70.36	70.27	71.82	71.22	73.59	73.37						123.1
80						66.12	68.12	68.47	68.94	70.36	71.31	72.51	73.69						122.4
100						72.84	72.68	74.49	75.18	79.25	79.52	78.75	76.99						120.0
125						67.82	67.95	69.63	70.28	71.71	72.49	73.06	73.67						123.2
160						66.25	66.55	67.63	68.99	70.85	70.43	71.50	72.07						121.6
200						66.53	64.41	67.28	69.89	66.96	69.99	70.61	73.22						121.4
250						63.25	63.76	64.88	63.18	63.94	65.29	66.83	67.13						118.8
315						66.14	66.86	69.93	66.51	68.46	69.65	70.54	71.85						120.9
400						72.54	71.47	69.60	70.83	71.87	72.69	74.36	75.69						126.5
500						70.87	71.95	72.63	73.02	73.62	74.38	75.89	76.67						126.2
630						71.39	71.83	72.96	72.68	72.39	73.29	73.51	74.43						125.2
800						73.29	72.81	70.91	70.48	70.96	71.40	72.46	73.29						124.3
1000						70.38	70.44	75.64	75.85	75.51	76.17	76.56	77.66						129.8
1250						76.85	77.69	77.29	76.24	76.58	76.92	77.33	77.97						129.9
1600						80.50	80.57	79.41	78.15	78.46	78.39	78.17	78.99						131.9
2000						78.96	79.86	78.89	77.15	77.71	77.68	79.38	78.98						131.3
2500						80.25	80.64	80.39	79.24	79.57	80.61	83.29	82.14						133.9
3150						84.39	84.86	83.91	83.72	84.11	85.29	85.69	85.66						138.8
4000						93.81	95.20	92.79	92.37	92.45	92.46	91.14	91.81						146.4
5000						81.58	82.22	82.41	80.91	81.89	82.99	86.29	84.29						136.8
6300						83.98	84.57	84.39	85.29	87.28	87.12	85.77	87.86						141.2
8000						85.61	86.59	82.17	83.54	83.61	84.86	88.29	86.35						140.8
10000						83.43	81.89	79.69	81.11	80.84	83.62	83.99	87.36						139.9
MEASURED OASPL						97.75	98.86	96.62	96.51	96.96	97.39	98.21	97.91						
CALCULATED OASPL						96.29	97.23	95.21	95.88	95.55	95.91	96.75	96.33						
PNDB						111.9	112.8	110.9	110.7	111.0	111.3	111.3	111.1						

OAPWL: 150.0

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.26
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDO= 9 SPEED=6152

RADIAL DISTANCE 150

DATE: 9/02/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
52						.4291	1.278	1.389	.9968	1.974	1.919	2.523	3.062					
63						-1.05	.2512	.6259	.5421	2.088	1.493	3.663	3.645					
82						-.849	-.865	-.498	-.029	1.398	2.338	3.542	4.727					
102						-2.32	-2.68	-.874	-.185	3.879	4.149	3.377	1.629					
125						-1.63	-1.69	-.011	.6282	2.062	2.845	3.411	4.023					
160						-1.75	-1.45	-.371	.9963	2.652	2.427	3.581	4.076					
202						-.879	-3.29	-.985	2.179	-.753	2.289	2.985	5.589					
252						.5432	.6524	.9708	.0644	.8331	2.187	2.918	4.022					
315						.8356	-.348	-1.27	-.694	1.259	2.454	3.339	4.053					
400						1.461	.4138	-1.46	-.282	.8143	1.629	3.383	4.829					
500						.5464	-.366	.5064	.6977	1.304	1.984	2.766	4.348					
630						.4428	-.128	1.812	1.524	2.241	2.144	2.357	3.276					
800						3.116	1.824	.7256	.2284	.7784	1.297	2.276	3.187					
1000						3.478	1.616	.8133	1.021	.6827	1.339	1.735	2.032					
1250						3.067	2.244	1.658	.5928	.9405	1.288	1.688	2.326					
1600						3.186	3.156	1.999	.7426	1.047	.9882	.7603	1.974					
2000						2.293	2.398	1.426	.4751	1.041	1.005	2.706	2.233					
2500						1.019	1.436	1.170	.0886	.3377	1.380	4.068	2.912					
3150						1.349	1.028	.6713	.6798	1.071	2.258	2.649	2.628					
4000						2.711	4.178	1.693	1.274	1.354	1.363	.8488	-.083					
5000						.4065	.9452	-.869	-.366	.6181	1.711	5.811	3.018					
6300						-1.21	-.516	-.196	.2843	2.199	2.035	4.685	2.775					
8000						2.678	2.855	-1.57	-.191	-.123	.3226	4.558	2.916					
10000						1.844	.3866	-1.69	-.477	-.745	2.039	2.407	5.772					

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.00
ABS. HUMIDITY 12.60

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDB= 9 SPEED=6150

RADIAL DISTANCE 195

DATE: 9/22/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.2	30.2	40.0	50.2	60.0	70.2	80.2	90.2	100.0	110.0	120.0	130.0	140.2	150.2	160.0	170.0	(PWL)
50						70.93	70.52	70.78	71.12	72.97	72.78	73.79	74.39						123.9
63						68.39	70.27	71.02	72.97	76.64	72.19	74.32	74.22						124.7
80						68.29	68.14	68.94	69.97	71.51	72.38	73.27	74.65						123.2
100						72.04	70.88	72.39	72.39	70.38	77.43	76.33	76.78						127.9
125						68.12	68.62	70.14	71.39	73.39	73.66	74.69	75.12						124.5
160						[illegible]	[illegible]	68.20	69.61	70.41	71.23	72.48	73.28						122.3
200						[illegible]	[illegible]	67.88	67.25	67.15	68.79	69.75	71.57						120.2
250						[illegible]	[illegible]	64.77	63.55	64.74	66.41	66.69	67.84						117.6
315						[illegible]	67.88	67.61	68.39	69.49	70.69	71.74	73.36						122.4
400						73.28	72.18	71.32	73.19	73.18	75.37	75.92	77.39						126.6
500						74.65	72.89	74.85	74.24	74.38	75.58	76.51	76.29						127.5
630						73.45	72.12	73.65	73.38	73.26	74.25	75.55	76.12						126.4
800						73.66	72.23	71.35	71.25	71.71	72.53	73.89	73.84						124.9
1000						78.25	76.84	76.41	76.66	78.89	77.82	77.10	77.94						129.6
1250						77.46	78.33	77.94	77.88	76.76	78.87	77.71	78.54						130.6
1600						80.43	80.48	79.82	78.41	78.89	79.38	79.86	79.84						132.3
2000						79.75	79.46	78.81	77.42	77.49	78.17	79.65	79.45						131.6
2500						80.20	80.55	80.16	79.37	79.85	80.89	83.46	82.18						134.1
3150						84.13	83.95	83.34	83.32	83.51	85.26	85.79	85.59						137.7
4000						91.25	94.52	90.36	91.89	89.92	89.24	87.65	87.63						144.3
5000						83.10	82.91	80.20	81.73	81.11	83.34	86.13	84.74						136.9
6300						85.86	85.26	83.87	85.88	85.10	90.37	87.83	90.79						142.4
8000						84.21	84.58	81.48	82.88	82.89	84.51	87.38	87.25						140.1
10000						85.50	81.58	80.30	81.68	81.44	83.39	84.96	89.42						140.8
MEASURED OASPL						96.51	97.89	95.25	96.67	95.57	97.87	97.33	98.37						
CALCULATED OASPL						95.31	96.63	93.85	95.37	94.87	95.63	95.60	96.77						
PNDB						110.8	112.3	109.4	110.3	109.4	109.9	109.6	110.4						

OAPWL: 149.5

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 19.86
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDS=12 SPEED=6437

RADIAL DISTANCE 150

DATE: 9/02/69

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET																
	0.0	10.2	22.8	30.0	40.8	50.7	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-1.137	-1.144	.1140	.4982	2.383	2.113	3.129	3.729						
63						-2.78	-1.89	-.346	-.483	9.278	.8102	2.947	2.647						
80						-2.41	-1.44	-.862	.1629	1.788	2.971	3.461	4.847						
100						-2.38	-3.54	-2.82	.9763	3.962	3.815	3.914	2.358						
125						-2.82	-2.31	-.789	.4488	2.401	2.736	3.742	4.288						
160						-2.42	-2.18	-.841	.9781	1.669	2.484	3.748	4.938						
200						-1.451	-2.42	.9872	.7948	.9907	2.238	3.283	5.817						
250						.7448	.9219	.8841	-.313	.8722	2.939	2.831	3.978						
315						1.158	.749	.789	-.107	.8153	2.316	3.196	4.779						
400						.9744	-.038	-2.41	.4874	.4849	2.859	3.198	4.769						
500						.4819	-.788	.4837	.4419	.7859	1.989	2.919	4.492						
630						.8679	-.264	1.269	.9198	.6774	1.869	3.186	3.936						
800						2.872	2.448	1.813	.4998	.9878	1.748	2.313	3.851						
1000						3.898	2.477	1.849	1.381	.9207	1.656	1.741	2.972						
1250						3.194	2.44	1.874	.7336	.4885	1.882	1.935	2.867						
1600						2.990	2.933	1.951	.5448	1.819	1.912	1.194	1.976						
2000						2.759	2.466	1.913	.4913	.8044	1.181	2.698	2.486						
2500						1.836	1.286	.8186	.0859	-.194	1.868	4.189	3.332						
3150						1.364	1.285	.8885	.9781	.7892	2.917	3.945	2.886						
4000						2.882	2.440	1.912	.8849	.8509	1.889	-.2.48	-.4.41						
5000						.4489	1.483	-.17	.4797	-.344	1.889	4.076	3.287						
6300						-4.20	-2.08	-2.47	3.489	-1.24	4.886	1.488	2.418						
8000						1.891	1.318	-.166	-.858	-.771	1.449	4.316	4.193						
10000						1.318	-.899	-2.14	-.787	-1.88	.9926	2.981	6.974						

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AMBIENT TEMP, 81.00
WET-BULB TEMP, 67.00
BAR. PRESSURE 29.00
ABS. HUMIDITY 12.00

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDS=12 SPEED=6437

RADIAL DISTANCE 150

DATE: 9/22/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ	8.0	18.0	28.0	38.0	48.0	58.0	68.0	78.0	88.0	98.0	108.0	118.0	128.0	138.0	148.0	158.0	168.0	178.0	(PWL)
50						71.32	73.22	74.48	74.16	74.63	73.75	74.37	75.95						135.7
63						69.28	72.75	73.87	73.41	73.95	72.99	74.51	75.27						135.2
80						68.85	70.62	72.28	71.93	73.14	73.23	74.13	75.35						134.9
100						71.87	71.64	72.94	75.84	77.89	77.98	76.83	76.88						137.6
125						65.91	70.87	71.93	73.38	75.12	75.35	75.49	76.17						135.9
160						67.42	68.38	69.82	70.87	72.58	72.64	73.41	74.44						133.7
200						66.96	66.55	68.31	69.24	69.92	70.14	71.45	72.46						131.8
250						64.88	65.36	65.92	66.98	66.62	67.12	67.87	68.85						128.6
315						67.65	68.64	68.64	67.87	69.49	70.88	71.71	73.47						132.4
400						73.34	72.80	72.47	72.34	73.58	74.29	74.38	74.12						136.7
500						74.96	73.86	73.87	74.87	75.52	75.84	77.81	78.99						138.1
630						73.47	73.17	74.36	75.86	74.58	75.32	76.13	76.87						137.3
800						74.17	73.12	71.98	71.98	72.48	72.96	74.84	75.89						135.7
1000						78.42	77.88	76.81	77.26	76.83	77.34	77.69	78.78						138.2
1250						80.28	79.29	79.68	77.81	77.88	78.88	78.47	79.93						141.4
1600						81.81	81.84	80.74	79.42	79.96	80.36	79.76	80.93						143.6
2000						80.37	80.43	79.43	78.57	79.13	78.83	80.31	80.11						142.5
2500						81.23	81.87	81.21	80.43	80.74	81.84	82.68	83.84						143.2
3150						84.97	85.41	84.83	84.54	84.96	86.16	86.83	86.82						146.9
4000						93.39	95.58	92.39	92.82	92.73	92.49	89.36	90.79						146.3
5000						83.91	84.89	82.28	83.38	83.61	84.94	87.32	86.89						139.6
6300						84.39	85.37	85.86	88.19	91.28	91.66	91.59	92.91						144.3
8000						85.93	85.86	83.29	84.39	84.36	85.33	89.87	88.28						141.5
10000						83.47	83.21	80.88	83.83	82.29	84.59	87.11	88.83						141.9
MEASURED OASPL						97.89	99.89	96.81	97.57	98.16	98.69	99.88	99.97						
CALCULATED OASPL						96.97	97.74	95.49	96.22	96.89	97.31	97.92	98.87						
PNDB						112.1	113.4	111.1	111.8	111.9	112.1	111.2	111.9						

OAPWL: 151.8

AMBIENT TEMP: 81.88
WET-BULB TEMP: 67.88
BAR. PRESSURE 29.86
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDR=11 SPEED=6967

RADIAL DISTANCE 150

DATE: 9/2/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.0	12.0	22.2	32.2	42.2	52.2	62.0	72.2	82.2	92.2	102.2	112.0	122.0	132.2	142.2	152.2	162.2	172.0 (PWL)
52						-1.88	.8158	2.881	1.754	2.229	1.3[illegible]	[illegible]	[illegible]					
63						-2.58	.8985	2.814	1.552	2.[illegible]	[illegible]	[illegible]	[illegible]					
80						-2.28	-.502	.8776	.8858	2.[illegible]	[illegible]	[illegible]	4.219					
102						-3.87	-2.71	-2.19	1.6[illegible]4	3.[illegible]	[illegible]	2.683	2.733					
125						-3.41	-2.25	-.3[illegible]	1.889	2.794	3.[illegible]	3.174	3.891					
160						-2.72	-1.76	-.3[illegible]	.7328	2.364	2.498	3.464	4.388					
200						-1.15	-1.57	.1[illegible]	1.121	1.881	2.[illegible]	3.[illegible]	4.[illegible]					
252						-.124	.4321	.9971	.8544	1.496	[illegible]	2.951	3.927					
315						1.839	.8281	-.578	-.742	.7729	2.186	2.859	4.856					
400						.5372	.8654	-2.16	-.489	[illegible]	1.473	3.[illegible]2	5.297					
500						.3862	-.3[illegible]	-.388	.7884	[illegible]	[illegible]	[illegible]37	4.823					
632						.1547	-.153	1.836	1.741	[illegible]	1.[illegible]	2.814	3.546					
802						2.597	1.545	.4828	.4831	[illegible]	[illegible]91	2.468	3.525					
1000						3.569	1.884	.7627	1.218	.4[illegible]	[illegible]98	1.684	2.686					
1250						3.868	2.162	1.467	.6723	.74[illegible]	[illegible]5	1.529	2.395					
1600						2.987	2.916	1.836	.4924	1.835	.439	.8347	2.825					
2000						2.429	2.487	1.483	.6355	1.194	.8893	2.37[illegible]	2.174					
2500						.7583	1.193	1.237	.1594	.2666	1.361	4.[illegible]8	3.864					
3150						1.843	1.479	.9887	.6884	1.834	2.236	2.899	2.697					
4000						2.344	4.578	1.382	1.887	1.718	1.477	-1.65	-.209					
5000						.8198	1.787	-.887	.2867	.5836	1.852	4.228	3.881					
6300						-1.82	-2.84	-3.16	-.933	2.982	3.438	3.379	4.288					
8000						1.475	1.488	-1.16	-.863	-.299	.8721	4.687	3.763					
10000						.3852	.8466	-2.28	-.139	-.882	1.432	3.946	5.666					

AMBIENT TEMP. 61.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.86
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDS=11 SPEED=6502

RADIAL DISTANCE 158

DATE: 9/12/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50							71,92	72,37	74,26	74,89	75,19	74,71	76,18	77,32					126,5
63							71,83	73,89	73,51	74,16	74,66	74,46	76,64	77,35					126,4
80							71,28	71,64	72,22	73,34	74,24	75,85	76,19	77,35					126,2
100							71,87	71,79	72,28	73,23	74,49	77,25	77,92	78,44					127,7
125							71,53	72,34	73,84	74,81	88,85	88,98	77,18	78,79					129,5
160							66,86	68,97	70,48	72,25	73,43	73,92	75,29	76,13					125,1
200							68,11	67,49	68,53	70,29	70,46	70,97	72,95	73,87					122,8
250							68,41	68,73	68,26	69,14	68,14	69,88	74,65	71,17					122,4
315							71,84	70,64	69,25	69,85	71,87	72,58	73,87	75,82					124,3
400							74,81	74,58	72,81	74,34	75,59	76,32	78,39	80,32					128,4
500							77,43	75,38	75,93	76,61	76,89	77,39	79,11	80,92					129,9
630							73,34	73,84	73,69	74,28	75,62	76,93	77,68	78,56					128,4
800							74,23	73,66	72,77	73,27	73,84	74,14	75,39	76,29					126,7
1000							78,67	77,89	77,81	78,36	77,23	78,09	78,25	79,89					130,8
1250							78,78	78,88	78,24	77,95	77,89	77,77	78,92	78,92					130,7
1600							79,38	79,74	79,46	78,47	79,86	79,34	79,38	80,38					132,2
2000							78,25	78,75	78,85	77,31	78,28	78,25	78,79	79,48					131,9
2500							79,74	79,64	80,44	78,17	79,34	81,34	83,91	82,92					134,2
3150							84,45	84,66	84,26	84,58	84,87	85,95	86,28	86,32					138,8
4000							92,98	94,46	91,54	92,81	92,17	90,62	89,29	89,34					145,5
5000							88,54	89,95	87,17	88,44	87,91	86,96	88,46	87,32					141,9
6300							84,44	84,38	85,47	87,87	89,37	89,39	90,11	90,07					143,1
8000							85,83	85,86	83,83	86,45	85,38	87,22	88,93	91,12					142,6
10000							84,84	83,71	82,18	84,84	83,84	85,77	87,34	89,87					142,4
MEASURED OASPL							98,81	98,79	98,97	98,12	98,28	99,26	99,86	99,68					
CALCULATED OASPL							96,95	97,47	95,61	96,75	96,82	97,82	97,39	98,88					
PNDT							111,9	112,8	110,9	111,9	111,8	111,9	111,2	111,5					

OAPWL: 151,2

AMBIENT TEMP: 81,88
WET-BULB TEMP: 67,88
BAR. PRESSURE: 29,86
ABS. HUMIDITY: 12,66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDB=12 SPEED=6927

870

RADIAL DISTANCE 150

DATE: 9/?2/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PNL)
5[illegible]						-1,32	-,867	1,825	1,659	1,949	1,476	2,945	4,864						
6[illegible]						-2,83	-,847	,4929	1,896	1,598	1,394	3,584	4,284						
8[illegible]						-1,45	-1,85	-,518	,3238	1,985	2,317	3,451	4,817						
10[illegible]						-3,18	-2,58	-,467	,9742	2,446	2,994	3,268	4,189						
12[illegible]						-4,44	-3,82	-,932	,8421	1,877	4,613	1,214	2,832						
16[illegible]						-2,62	-2,51	-,992	,7788	1,959	2,442	3,818	4,692						
20[illegible]						-1,86	-1,68	-,643	1,123	1,296	1,883	3,778	4,786						
25[illegible]						-,289	,8349	-,444	,4486	-,556	1,252	5,947	2,469						
315						,5479	,1442	-1,24	-,639	,5762	2,883	3,378	5,124						
400						,8125	-,276	-1,89	-,493	,7989	1,924	3,682	5,928						
502						1,349	-,884	-,135	,2456	,8319	1,336	3,848	4,801						
63[illegible]						-1,23	-,735	,9153	1,583	1,829	2,358	3,188	3,992						
80[illegible]						1,075	1,182	,2164	,7146	,9021	1,987	2,841	3,736						
100[illegible]						1,944	,8626	,7036	1,637	1,889	2,279	2,824	2,873						
125[illegible]						2,252	1,689	1,701	1,899	1,144	1,324	2,869	2,479						
160[illegible]						1,646	2,612	1,734	,9389	1,528	1,632	1,571	2,647						
200[illegible]						1,389	1,896	1,281	,4538	1,438	1,488	2,946	2,626						
250[illegible]						,3887	,2838	1,989	-1,18	-,314	1,984	4,991	3,963						
315[illegible]						,9289	1,189	,7328	,9726	1,347	2,424	2,749	2,793						
400[illegible]						2,757	4,237	1,317	2,988	1,945	,4884	-,924	-,864						
502[illegible]						2,891	3,585	,7214	1,992	1,469	,9193	2,821	,8729						
630[illegible]						-3,12	-2,98	-1,89	,1118	1,812	3,834	2,948	2,489						
800[illegible]						,2887	,3383	-1,22	-,187	-,171	1,883	3,381	5,945						
1000[illegible]						,8814	-,326	-1,86	-,881	-,281	1,731	3,299	5,835						

AMBIENT TEMP:	81,22
WET-BULB TEMP:	67,89
BAR. PRESSURE	29,86
ABS. HUMIDITY	12,66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDS=12 SPEED=6927

871

RADIAL DISTANCE 158

DATE: 9/22/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ	8.8	18.2	22.2	32.2	48.2	58.8	68.8	78.2	88.2	98.2	108.8	118.8	128.8	138.2	148.2	158.2	168.8	178.8	(PWL)
50						71,19	71,98	72,66	73,76	74,87	75,13	76,39	77,22						126,2
63						71,97	73,18	73,69	73,88	74,82	75,66	77,18	78,84						126,9
80						72,88	72,75	72,96	73,82	75,32	76,25	77,88	78,14						127,1
100						78,81	72,88	73,96	75,44	74,63	76,79	77,48	78,11						127,9
125						71,28	73,36	75,99	78,63	80,69	79,76	78,64	81,88						130,5
160						68,75	69,86	72,78	72,59	73,56	74,18	75,88	76,97						125,4
200						67,68	66,79	68,19	69,83	70,46	70,71	72,56	73,81						122,6
250						68,58	69,43	68,53	68,84	69,82	71,18	72,28	72,43						122,4
315						72,68	72,53	70,87	71,43	72,72	73,93	75,39	76,69						125,7
400						73,73	73,73	74,51	73,72	72,81	72,72	73,83	81,53						129,6
500						77,69	75,17	77,82	77,25	78,89	78,63	80,39	82,98						131,8
630						73,57	74,59	76,68	76,47	76,84	77,32	78,31	79,38						129,3
800						74,26	73,93	73,38	73,72	74,29	75,82	76,12	76,79						127,2
1000						77,89	77,88	77,37	77,94	77,74	78,44	79,21	80,24						130,9
1250						78,74	78,31	77,98	77,72	77,73	78,49	79,11	79,32						131,8
1600						79,25	79,21	79,34	79,85	79,47	79,48	79,46	80,27						132,3
2000						77,93	77,96	77,22	76,81	77,93	78,83	79,73	79,28						131,1
2500						78,64	79,31	78,57	79,39	79,48	80,83	81,49	82,42						133,8
3150						84,84	84,82	84,25	84,49	84,38	85,79	86,14	85,95						136,2
4000						98,12	91,21	87,44	90,58	88,95	90,47	88,73	89,17						143,3
5000						88,44	89,64	86,82	89,12	87,16	89,89	89,86	88,56						142,3
6300						84,88	84,81	83,89	87,36	84,83	92,33	89,34	90,47						142,8
8000						84,14	84,58	82,68	84,38	84,87	86,96	88,93	89,38						141,6
10000						83,42	83,74	82,12	84,12	84,48	86,85	88,28	89,86						142,7
MEASURED OASPL						96,82	97,55	95,48	97,39	97,84	99,35	99,19	99,77						
CALCULATED OASPL						95,24	95,95	93,93	96,84	95,37	97,75	97,45	98,85						
PNDB						110,2	110,9	108,7	110,8	109,9	111,6	111,1	111,6						

OAPWL: 158,5

AMBIENT TEMP: 82,88
WET-BULB TEMP: 68,88
BAR. PRESSURE 29,85
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RDB=13 SPEED=7844

B72

RADIAL DISTANCE 150

DATE: 9/2/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
5[illegible]						-1,73	-,945	-,269	,8324	1,946	2,284	3,466	4,291						
6[illegible]						-1,95	-,429	,1818	,3647	1,309	2,148	3,598	4,533						
8[illegible]						-,898	-,913	-,725	,1603	1,656	2,593	3,424	4,481						
10[illegible]						-,58	-2,31	-,436	1,849	2,239	2,393	3,291	4,717						
125						-8,74	-3,98	-,949	1,883	3,754	2,818	1,781	4,859						
16[illegible]						-3,87	-2,75	-1,24	,7727	1,744	2,287	4,869	4,754						
20[illegible]						-1,22	-2,11	-,728	,8966	1,558	1,799	3,657	4,926						
252						-,121	,7276	-,174	,1368	1,216	2,489	3,497	3 726						
31[illegible]						,7484	,4218	-1,27	-,594	,7875	1,991	3,454	4,707						
40[illegible]						-,348	-,324	-1,56	-,349	,9439	1,691	3,783	5,265						
502						,2965	-1,93	-,879	,1492	1,788	1,524	3,293	4,798						
63[illegible]						-1,74	-,724	1,372	1,159	1,551	2,813	3,883	4,869						
80[illegible]						1,145	,8132	,2624	,6849	1,172	1,899	3,887	3,675						
100[illegible]						1,173	,3711	,6415	1,228	1,223	1,727	2,997	3,924						
125[illegible]						2,224	1,599	1,189	1,884	1,817	1,778	2,398	2,684						
160[illegible]						1,364	1,822	1,461	1,148	1,588	1,717	1,973	2,889						
200[illegible]						1,464	1,498	,7954	,3438	1,468	1,539	3,268	2,733						
250[illegible]						,3584	,1269	,4908	,3219	,6865	1,736	4,423	3,346						
315[illegible]						,8298	,8878	1,848	1,281	1,172	2,573	2,925	2,336						
400[illegible]						2,121	3,288	-,394	2,563	,9323	2,468	,7282	1,169						
500[illegible]						1,947	2,851	,778	2,336	,3484	2,385	2,262	1,782						
630[illegible]						-2,68	-1,87	-2,79	,6788	-,879	5,644	2,856	3,7[illegible]						
800[illegible]						-,484	-,815	-2,91	-,289	,2815	2,372	4,341	4,7[illegible]						
1000[illegible]						-,978	-,666	-2,28	-,279	,8529	2,448	3,859	5,497						

AMBIENT TEMP.	82.88
WET-BULB TEMP.	68.88
BAR. PRESSURE	29.25
ABS. HUMIDITY	13.21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/2/69-3

RUN=2 RPM=13 SPEED=7[illegible]4

RADIAL DISTANCE 150

DATE: 9/23/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 0.0	10.0	22.0	37.2	42.2	50.0	58.0	70.2	80.2	90.0	102.2	110.0	122.0	132.2	142.0	152.2	160.0	170.2	(PWL)
50						73,67	73,95	74,87	75,89	76,64	77,22	78,41	79,14						126,3
63						76,32	77,74	77,16	77,22	77,41	78,28	79,83	80,51						129,9
80						75,32	75,41	75,89	76,43	77,76	78,58	79,48	80,48						129,5
100						73,22	74,16	75,43	74,83	78,16	78,81	80,19	81,11						130,8
125						74,64	76,96	79,36	80,76	79,51	83,77	84,16	85,36						133,2
160						71,49	71,36	72,85	74,97	75,99	76,81	78,63	79,36						128,8
200						76,45	68,96	70,29	72,83	72,41	73,31	75,54	77,84						125,2
250						73,77	69,55	70,29	68,91	70,82	72,76	74,84	76,28						123,8
315						74,42	72,81	71,86	72,78	74,85	76,88	78,66	78,89						127,2
400						77,31	76,87	76,38	77,88	79,31	80,84	81,72	83,39						131,9
500						77,47	77,22	78,91	79,58	80,29	80,63	82,39	84,16						132,9
630						75,25	75,88	77,46	77,68	77,95	79,25	80,77	82,86						131,2
800						75,61	74,61	75,18	75,55	76,19	77,16	79,56	79,54						129,4
1000						77,86	77,68	77,94	79,89	79,83	80,28	80,88	80,99						131,9
1250						79,98	78,99	78,77	79,68	79,44	80,47	80,12	80,69						132,5
1600						79,29	79,47	79,43	79,99	80,24	80,27	79,86	80,49						132,7
2000						78,84	79,37	80,09	79,97	79,18	78,94	80,84	79,27						132,3
2500						78,79	82,16	83,89	83,31	81,12	81,82	82,41	82,19						135,3
3150						84,81	86,65	86,49	86,52	87,19	86,83	86,83	85,27						140,1
4000						85,84	87,37	87,43	88,19	86,83	86,38	85,44	85,84						140,3
5000						93,38	94,13	95,17	95,87	91,55	90,33	93,73	92,44						147,3
6300						84,89	85,38	85,82	84,89	87,67	88,71	87,17	87,28						141,3
8000						82,58	83,64	86,72	83,62	85,22	86,89	87,42	86,92						140,4
10000						83,97	84,83	83,74	85,89	86,99	89,21	89,21	91,21						144,3
MEASURED OASPL						97,59	98,64	99,16	99,59	98,83	98,94	100,1	100,3						
CALCULATED OASPL						96,28	97,31	98,84	98,38	97,86	97,29	98,44	98,69						
P.D.I.						111,9	112,4	113,2	113,4	111,6	111,2	113,2	112,6						

OAPWL: 151,7

AMBIENT TEMP: 82,00
WET-BULB TEMP: 66,00
BAR. PRESSURE: 29,82
ABS. - MIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDB=14 SPEED=7486

B/4

RADIAL DISTANCE 150

DATE: 9/ 3/69

PAGE:

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50						-4.27	-.999	.877	.9497	1.689	2.268	3.463	4.198						
63						-.248	1.179	.9932	.6954	.8459	1.716	3.265	3.947						
80						-.982	-.719	-.229	.3824	1.635	2.458	3.355	4.36						
100						-3.11	-2.17	-.923	.4965	1.925	2.481	3.821	4.781						
125						-3.84	-2.72	-.319	1.881	.171	1.895	4.478	5.477						
160						-2.94	-3.86	-1.58	.5475	1.564	2.385	4.268	4.937						
200						-1.14	-2.82	-1.29	.4434	.8269	1.729	3.952	5.456						
250						.6324	-.958	.1585	-1.23	.6987	2.632	3.918	4.149						
315						.9968	-.614	-1.57	-.645	1.419	2.274	3.228	4.072						
400						-.732	-1.18	-1.75	-.164	1.258	1.908	3.673	5.382						
500						-1.91	-1.79	-.867	.6814	1.321	1.649	3.421	5.284						
630						-1.92	-1.26	.4875	.5077	.7702	2.879	3.998	4.894						
800						.3423	-.652	-.287	.2988	.9315	1.897	4.895	3.772						
1000						.1072	-.289	.2957	1.483	1.348	2.389	3.119	3.387						
1250						1.988	.8276	1.096	1.229	1.878	2.269	1.945	2.917						
1600						1.843	1.421	1.379	1.739	1.993	2.823	1.611	2.249						
2000						.8348	1.864	2.389	1.866	1.477	1.231	2.334	1.912						
2500						-1.73	1.643	2.488	2.797	.6863	1.383	2.896	1.673						
3150						-1.17	1.472	3.316	3.341	2.812	1.348	.8471	.8942						
4000						.3139	2.341	2.687	3.165	1.883	1.278	.4194	.8151						
5000						1.981	2.368	3.488	3.384	.7213	-1.44	1.968	.6693						
6300						-1.14	.3491	.5848	1.664	2.631	3.474	1.937	1.969						
8000						-.768	.2923	-2.62	.2838	1.976	2.747	4.871	3.581						
10000						-2.38	-1.1	-2.21	-.857	1.948	3.295	3.258	5.259						

B75

AMBIENT TEMP: 82.88
WET-BULB TEMP: 68.88
BAR. PRESSURE 29.85
ABS. HUMIDITY 13.21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDS=14 SPEED=7486

RADIAL DISTANCE 198

DATE: 9/23/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 0,0	10,2	20,2	30,2	40,0	50,0	60,0	70,2	80,2	90,0	100,0	110,0	120,0	130,2	140,0	150,0	160,0	170,0	(PWL)
50						74,67	75,82	75,89	76,23	77,43	77,63	78,48	80,82						126,9
63						74,49	76,15	76,52	75,85	77,29	78,22	79,64	80,57						129,4
80						74,67	75,89	75,28	75,76	77,45	78,52	79,45	80,84						129,4
100						73,96	74,49	74,37	77,44	79,49	77,19	80,39	81,85						130,3
125						75,48	76,24	78,82	78,25	78,14	80,16	82,34	82,76						131,6
160						72,81	72,65	76,24	75,77	76,42	77,22	78,86	79,92						128,4
200						75,89	69,98	71,91	72,87	73,19	74,85	75,35	76,64						125,9
250						71,33	78,23	78,93	78,82	71,88	72,46	73,41	78,37						134,1
315						75,55	73,34	72,79	73,49	75,14	76,55	77,93	79,63						128,3
400						78,42	77,31	76,63	78,48	79,97	80,88	82,49	84,49						132,8
500						78,31	77,69	79,69	80,21	80,63	81,35	83,16	84,97						133,6
630						76,21	76,33	78,22	78,64	78,51	79,82	80,84	82,22						131,7
800						76,67	73,95	75,62	76,84	74,68	76,37	78,51	79,69						130,9
1000						78,48	78,25	78,48	79,99	79,49	80,88	81,64	82,27						132,8
1250						81,49	85,24	84,99	84,13	84,86	82,48	82,21	82,43						136,1
1600						84,42	88,39	87,98	87,81	87,37	84,96	84,81	84,33						139,2
2000						84,67	87,73	90,53	90,18	88,13	85,48	83,76	83,31						140,5
2500						84,84	87,39	90,66	89,88	87,22	85,79	83,18	83,21						140,7
3150						89,88	91,21	93,38	91,62	89,79	89,49	86,63	86,98						143,7
4000						87,63	88,75	88,28	88,64	87,56	86,89	85,75	85,47						141,1
5000						93,86	92,47	89,21	90,79	90,91	92,16	93,91	91,98						145,9
6300						86,97	86,78	86,23	87,52	86,46	87,71	86,97	87,21						141,3
8000						84,83	85,44	82,99	85,63	85,65	87,87	87,99	87,12						141,4
10000						89,27	84,71	85,53	87,82	86,66	89,99	90,87	89,98						144,8
MEASURED OASPL						99,32	100,3	100,5	100,6	99,79	100,6	100,1	100,7						
CALCULATED OASPL						97,82	98,83	99,28	99,21	98,36	98,94	99,29	98,71						
PSDB						113,8	112,8	112,1	113,4	112,4	113,2	113,9	113,9						

OAPWL: 152,7

AMBIENT TEMP: 82,00
WET-BULB TEMP: 68,00
BAR. PRESSURE: 29,85
ABS. HUMIDITY: 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=15 SPEED=7777

RADIAL DISTANCE 132

DATE: 9/ 3/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	178.8 (PWL)
50						-,987	,556	,3219	,6392	1,855	2,259	2,985	4,447					
63						-1,58	,8775	,4394	-,223	1,211	2,145	3,979	4,491					
80						-1,32	-,997	-,788	-,223	1,463	2,535	3,466	4,859					
100						-2,89	-2,36	-,481	,6861	1,838	2,275	3,984	4,996					
125						-2,55	-1,79	,7734	,2248	,1898	2,127	4,312	4,731					
160						-2,19	-2,36	-,775	,7582	1,392	2,214	3,848	4,989					
200						-,995	-1,91	-,376	,9816	1,321	2,159	3,457	4,754					
250						,7789	-,319	,3789	,2682	,5265	1,928	2,866	4,818					
315						1,135	-1,87	-1,02	,912	,7242	2,136	3,819	5,229					
400						-,966	-1,67	-2,14	-,299	,9925	1,828	3,075	5,475					
500						-1,34	-2,91	,8331	,4588	,2793	1,689	3,983	2,312					
630						-2,51	-1,19	1,408	,9188	,7892	2,894	3,119	4,495					
800						1,991	,1778	-,159	,2625	1,185	2,795	2,736	3,928					
1000						,8878	-,343	,8384	1,394	1,896	2,287	3,849	3,672					
1250						-,337	3,419	2,772	2,359	2,283	,8949	,3966	,6886					
1600						-,388	3,781	2,855	3,883	2,643	,2334	-1,71	-,396					
2000						-1,21	1,922	4,655	4,227	2,256	-,496	-2,12	-2,97					
2500						-1,88	1,472	4,744	3,887	1,385	-,121	1,888	-,782					
3150						,3291	2,456	4,923	2,861	1,831	,7484	,1184	-1,78					
4000						1,821	2,937	2,468	2,828	1,744	1,887	-,881	-,342					
5000						2,648	2,859	-1,21	,3721	,4978	2,741	3,498	1,983					
6300						1,337	1,341	,9981	2,271	1,229	2,478	1,741	1,976					
8000						,4184	1,826	-1,43	1,467	1,241	2,694	3,909	2,786					
10000						-1,25	-1,79	-,981	1,384	,1985	3,472	4,393	3,389					

AMBIENT TEMP: 82,88
WET-BULB TEMP: 68,38
BAR. PRESSURE 29,85
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/29/69 R/D 9/3/69-3

RUN=2 RDS=15 SPEED=7777

RADIAL DISTANCE 198

DATE: 9/ 3/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 8,8	18,2	27,7	37,7	47,2	52,8	60,8	72,2	82,8	92,8	102,8	112,8	122,8	132,8	142,8	152,2	162,8	172,2	(PWL)
5						74,59	75,54	76,27	76,91	77,91	78,53	79,29	80,43						129,4
63						73,94	75,68	76,42	76,69	77,79	79,25	82,37	81,51						130,8
80						74,78	75,89	76,19	76,91	78,54	79,72	80,98	82,36						130,6
100						74,14	75,19	76,20	77,76	79,88	80,81	81,41	82,79						131,1
125						74,76	76,78	78,16	77,64	79,92	83,31	83,34	83,80						132,6
160						72,91	73,26	74,94	76,25	77,17	78,42	79,81	80,84						129,4
200						72,11	72,88	73,97	73,23	73,98	74,84	75,98	77,39						126,2
250						74,62	73,35	73,74	78,37	72,25	74,18	74,93	74,49						128,3
315						74,71	74,85	73,85	74,91	76,43	78,13	79,59	81,11						129,4
400						74,73	75,69	77,89	78,65	81,88	84,88	84,14	85,81						133,9
500						78,39	78,25	80,48	80,75	81,61	82,27	84,14	85,76						134,4
630						76,72	77,85	79,34	79,88	79,11	80,89	80,98	82,18						131,9
800						76,35	76,26	76,54	77,82	78,64	79,86	82,13	80,93						131,7
1000						81,16	82,84	84,69	83,78	82,78	82,15	82,29	83,33						135,4
1250						91,68	92,49	91,88	91,64	91,39	88,34	86,28	83,61						142,8
1600						92,96	94,84	97,49	97,97	94,46	91,44	91,84	86,96						147,9
2000						91,24	94,19	96,75	91,59	92,84	91,56	89,32	87,87						145,6
2500						83,96	84,19	87,28	84,83	89,86	84,33	88,83	84,78						138,2
3150						88,49	89,18	89,81	89,52	89,93	87,96	87,28	86,93						142,8
4000						88,23	89,96	88,83	89,19	88,93	86,93	85,86	85,44						141,8
5000						98,64	98,79	88,84	91,69	88,89	92,29	96,84	95,78						146,4
6300						86,21	87,91	88,45	87,79	86,48	87,99	87,98	88,88						141,6
8000						84,19	86,49	83,23	87,28	86,62	86,88	86,85	87,28						142,8
10000						84,61	88,36	93,44	88,39	86,19	89,38	96,49	89,28						144,5
MEASURED OASPL						188,8	182,6	183,1	182,8	181,7	181,4	188,6	181,9						
CALCULATED OASPL						99,59	181,6	182,2	181,9	180,6	180,8	181,2	180,3						
PNDB						112,4	114,1	114,9	114,8	113,4	113,8	115,7	115,2						

OAPWL: 154,4

AMBIENT TEMP: 82,88
WET-BULB TEMP: 68,82
BAR. PRESS.RE: 29,85
ABS. HUMIDITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=16 SPEED=7940

RADIAL DISTANCE 158

DATE: 9/3/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50						-1,53	-,982	-,854	,7791	1,779	2,399	3,167	4,386					
63						-2,72	-,988	-,241	-,216	1,123	2,585	3,737	4,849					
80						-2,44	-1,33	-1,27	-,389	1,322	2,958	3,766	5,147					
125						-3,46	-2,39	-1,38	,1686	1,485	2,618	3,814	5,284					
160						-4,31	-2,31	-,8716	-1,44	,8298	2,219	4,333	5,915					
200						-2,94	-2,59	-,914	,3947	1,313	2,962	3,956	4,989					
250						-,465	-1,69	-,822	,6586	1,338	2,265	3,326	4,816					
315						,8111	-,255	,1191	-1,23	,6435	2,498	3,329	4,896					
400						-,886	-1,96	-2,96	-1,18	,8226	2,517	3,981	5,582					
500						-1,49	-1,44	-2,24	-,478	,8707	1,749	4,838	5,682					
630						-2,88	-2,22	-,8144	,2823	1,149	1,881	3,472	5,297					
800						-1,25	-,921	1,372	1,113	1,149	2,129	3,868	4,285					
1000						,7168	,6339	-1,09	-,612	1,219	2,234	4,984	3,299					
1250						-,867	,8236	3,468	2,952	1,946	,9179	1,854	2,188					
1600						2,859	3,788	3,134	2,918	2,642	-,487	-8,47	-8,14					
2000						-,468	3,627	4,256	4,537	1,229	-1,99	-,386	-4,47					
2500						,2385	3,184	5,747	,5879	1,835	,9568	-1,48	-2,93					
3150						,8948	,7325	3,012	,5694	2,397	,8892	2,365	1,238					
4000						1,427	2,838	2,739	2,434	2,863	,8848	,2076	-,136					
5000						1,741	3,476	2,337	2,728	2,459	,4637	-,027	-,845					
6300						-,283	-,122	-2,07	,7792	-2,83	1,372	5,118	4,896					
8000						,6612	1,961	,1818	2,197	1,852	2,441	2,837	2,932					
10000						-,787	1,319	-1,75	2,298	1,687	1,894	3,862	2,207					
12500						-1,59	-,839	-2,76	2,395	,8884	3,188	4,489	3,979					

AMBIENT TEMP: 82,28
SET-B-L TEMP: 68,88
BAR. PRESSURE 29,85
ABS. VELOCITY 13,21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN#2 RDU=16 SPEED=7948

RADIAL DISTANCE .. 152

DATE: 9/03/69 PAGE: 1.

SCALED PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ	2.8	18.2	27.2	37.7	47.7	58.2	68.8	78.2	87.8	98.2	108.8	118.8	128.2	138.8	148.8	158.2	168.8	178.8	(PWL)
50						75.94	75.88	76.14	78.89	78.59	79.41	80.66	81.63						138.4
63						74.95	75.82	76.62	77.34	78.65	79.72	81.89	82.25						138.7
80						75.94	75.89	76.22	77.72	79.38	80.32	81.62	83.22						131.3
100						74.78	75.75	77.39	78.85	82.29	81.83	82.33	83.59						131.9
125						75.78	77.13	78.54	79.34	81.63	85.14	84.92	83.82						133.8
160						73.85	74.28	75.79	77.16	78.59	80.82	81.22	81.84						130.7
200						72.88	71.99	73.15	74.42	75.13	75.52	77.39	78.94						127.5
250						72.35	72.81	71.97	71.15	73.81	74.39	75.17	77.88						125.9
315						75.48	74.78	74.81	75.16	76.85	78.28	79.68	81.49						129.8
400						79.32	79.14	78.86	79.92	81.21	82.15	84.43	84.29						134.3
500						79.29	78.93	86.95	81.35	82.43	83.89	84.83	87.82						135.3
630						77.27	74.25	88.14	79.98	80.23	81.65	81.53	84.89						133.3
800						79.51	79.61	78.58	81.56	81.28	79.96	82.86	81.31						133.2
1000						93.83	87.61	89.62	86.13	93.96	84.98	88.23	86.93						138.9
1250						91.74	90.17	95.81	94.83	94.83	98.97	89.83	92.81						144.4
1600						93.88	90.34	105.3	97.44	97.26	97.21	97.23	94.41						152.2
2000						89.43	94.81	96.52	94.18	93.61	88.81	89.19	87.58						145.7
2500						84.72	88.15	89.62	88.69	86.89	86.88	88.43	86.62						148.7
3150						88.42	92.21	93.49	93.55	91.14	89.92	89.13	88.93						144.6
4000						88.44	91.29	89.43	98.45	89.52	88.28	86.62	86.74						142.7
5000						98.42	93.84	88.26	92.25	92.98	91.98	101.4	98.19						149.3
6300						86.44	87.43	87.55	88.58	87.29	88.48	88.54	89.41						148.7
8000						85.83	86.86	84.64	88.83	87.89	88.12	90.86	87.93						143.2
10000						84.98	85.71	84.45	86.84	87.64	89.42	91.63	91.84						145.1
MEASURED OASPL						101.1	104.2	107.4	104.2	103.5	102.9	105.8	104.3						
CALCULATED OASPL						100.1	103.4	106.9	103.3	102.5	101.8	104.6	102.9						
PWR						112.9	116.9	119.3	116.8	116.1	114.9	119.4	117.5						

OAPWL: 156.9

AMBIENT TEMP: 82.88
WET-BULB TEMP: 68.88
BAR. PRESSURE: 29.25
ABS. HUMIDITY 13.21

SCALE MODEL ACOUSTIC TEST T/D 8/29/69 R/D 9/3/69-3

RUN=2 RDS=17 SPEED=8837

880

RADIAL DISTANCE 158

DATE: 9/ 3/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
5[illegible]						-1.17	-1.22	-.959	.9942	1.488	2.383	3.557	4.529						
63						-2.35	-1.48	-.675	.2421	1.347	2.415	3.798	4.951						
8[illegible]						-1.93	-2.28	-1.68	-.192	1.489	2.418	3.733	5.312						
12[illegible]						-3.74	-2.76	-1.12	.4329	1.769	2.918	3.812	5.279						
12[illegible]						-4.51	-3.16	-1.76	-.992	1.331	4.842	4.923	3.933						
16[illegible]						-3.23	-2.79	-1.29	.8835	1.918	2.939	4.139	4.756						
20[illegible]						-1.88	-1.81	-.663	.6283	1.326	1.712	3.581	5.132						
252						.2878	.4685	-.167	-.992	.8711	2.245	3.825	4.919						
315						-.589	-1.22	-1.98	-.828	.8832	2.265	3.788	5.534						
40[illegible]						-1.15	-1.32	-2.41	-.593	.7322	1.671	3.956	5.813						
50[illegible]						-2.85	-2.48	-.349	.2133	1.288	1.763	3.494	5.684						
63[illegible]						-2.86	-1.88	.8128	.8949	.9824	2.321	3.288	4.769						
80[illegible]						.3972	.9861	-.525	2.446	2.166	.8535	3.754	2.243						
1002						-.843	2.938	4.926	1.553	-.717	.3218	.5965	1.654						
1252						-.514	3.899	3.739	3.962	1.958	-1.89	-2.24	-.864						
1602						-2.72	1.965	7.525	-.194	-.534	-.586	-.960	-3.18						
2002						-1.67	2.981	5.517	3.871	2.499	-2.29	-1.91	-3.53						
252[illegible]						-1.26	2.171	5.824	2.718	.2283	.8973	2.456	.6372						
3152						-1.21	2.561	3.861	3.914	1.511	.2846	-.582	-.698						
4002						1.282	3.899	1.996	3.811	2.982	.8467	-.818	-.695						
504[illegible]						-3.42	-2.82	-5.58	-1.59	-.933	-1.86	7.554	4.349						
630[illegible]						-.129	1.859	1.388	2.888	.7176	2.188	2.967	2.859						
8002						-1.15	.8763	-1.54	2.652	.8174	1.944	4.678	1.749						
10[illegible]2						-1.89	-1.88	-2.34	.3493	.8492	2.632	4.834	4.252						

AMBIENT TEMP.	82.88
WET-BULB TEMP.	68.32
BAR. PRESSURE	29.85
ABS. HUMIDITY	13.21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=17 SPEED=8337

RADIAL DISTANCE 150

DATE: 6/28/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	6.0	10.0	24.0	30.0	42.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
52						76.17	76.53	77.63	78.21	79.63	80.30	81.21	82.06						131.1
63						75.12	76.77	77.57	77.93	79.48	80.30	81.62	83.87						131.4
80						76.39	77.01	77.39	78.48	80.51	81.45	82.72	84.21						132.3
100						75.46	76.47	78.21	79.58	81.87	82.13	83.40	84.65						132.9
125						75.45	76.42	80.79	81.62	82.55	85.33	86.56	85.34						135.2
160						75.13	76.63	77.76	79.49	80.29	82.82	83.55	83.63						132.7
200						73.34	72.41	73.82	75.68	76.28	76.95	78.91	80.26						128.7
250						73.24	72.80	73.44	72.31	74.54	76.88	75.83	77.46						126.8
315						76.64	75.03	75.11	76.85	78.49	79.58	80.51	82.59						130.9
400						80.73	80.83	79.57	81.42	82.32	83.43	84.92	87.83						135.3
500						80.89	79.99	82.82	82.79	83.34	84.43	85.88	87.92						136.3
630						84.58	87.83	85.78	85.28	84.88	85.25	85.86	85.89						137.7
800						89.79	88.38	89.11	90.89	90.27	90.37	88.69	88.55						141.7
1000						86.45	89.66	91.75	91.56	88.78	88.46	87.69	86.21						141.8
1250						94.33	93.72	91.39	94.71	94.46	91.87	90.79	88.29						145.4
1600						96.12	98.56	98.88	98.73	96.68	91.79	91.89	88.45						149.1
2000						98.73	94.49	96.41	98.46	92.84	89.20	87.85	87.22						144.8
2500						83.78	86.96	88.82	88.19	87.81	86.51	87.64	85.95						140.2
3150						88.44	92.18	92.88	91.98	90.68	89.45	89.58	88.68						142.8
4000						87.58	92.69	89.72	90.61	89.93	88.47	88.62	87.13						143.3
5000						90.10	91.27	89.54	93.25	93.84	92.12	100.3	90.25						149.8
6300						87.39	89.30	87.16	89.19	88.56	89.23	90.66	90.61						143.6
8000						86.18	88.48	84.61	88.12	87.76	88.85	90.79	88.19						143.4
10000						84.59	86.51	86.58	88.18	89.63	89.85	91.87	91.94						143.6
MEASURED OASPL						102.6	104.5	104.1	104.8	104.0	102.8	105.2	103.9						
CALCULATED OASPL						101.6	103.5	103.2	103.8	102.8	101.3	103.7	102.5						
PNDB						114.1	116.2	116.9	116.5	115.6	114.7	118.8	117.4						

OAPWL: 156.8

AMBIENT TEMP. 82.00
WET-BULB TEMP. 58.00
BAR. PRESSURE 29.85
ABS. HUMIDITY 13.21

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/3/69-3

RUN=2 RDG=14 SPEED=8250

RADIAL DISTANCE 15m

DATE: 6/08/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	4.8	16.8	24.2	32.8	48.2	52.7	62.8	78.8	88.8	98.8	108.8	118.8	128.8	138.8	148.8	158.2	168.8	178.8	(PWL)
50						-1.30	-1.23	-.128	.4471	1.866	2.539	3.452	4.381						
63						-2.37	-1.22	-.423	-.867	1.483	2.384	3.627	5.872						
80						-2.34	-1.92	-1.34	-.449	1.579	2.521	3.791	5.283						
100						-4.48	-2.99	-1.25	.1163	1.681	2.663	3.938	5.184						
125						-6.19	-3.23	-.898	-.827	.8965	3.676	4.911	3.887						
160						-3.74	-3.84	-1.31	.4821	1.223	2.947	4.485	4.565						
200						-1.89	-2.62	-1.21	.6538	1.255	1.924	3.884	5.228						
250						-.438	-.282	.3459	-.788	1.447	2.984	2.738	4.361						
315						-.362	-1.91	-2.83	-1.39	1.358	2.542	3.373	5.457						
400						-.768	-1.38	-1.86	-.715	.8863	1.995	3.498	5.661						
500						-2.37	-2.39	-.375	.4244	.9491	2.848	3.486	5.529						
630						1.237	3.284	1.993	1.938	.3351	1.586	1.314	2.149						
800						2.186	.7127	1.916	3.897	2.683	2.776	1.181	-4.84						
1000						-1.18	1.976	4.121	3.949	1.157	.8058	.8642	-1.41						
1250						3.215	2.592	.2777	3.602	3.349	-.941	-.315	-2.82						
1600						1.458	3.899	4.218	4.363	2.814	-2.67	-3.57	-6.22						
2222						.4972	4.269	4.182	3.227	1.886	-.947	-3.14	-5.81						
2500						-4.05	1.988	3.389	2.763	1.988	1.075	2.283	.9159						
3150						-.438	3.311	3.212	3.833	1.814	.5745	.1936	-.386						
4000						1.982	4.196	1.722	2.489	1.938	.4715	-1.38	-.863						
5000						-3.29	-2.24	-3.96	-.249	-.461	-1.38	6.811	4.740						
6300						-.886	1.989	-.329	1.788	1.871	1.746	3.172	3.182						
8000						-.229	2.870	-1.79	1.728	1.353	1.048	4.392	1.788						
10000						-1.16	-.891	-1.89	.4398	1.968	2.198	4.212	4.275						

AMBIENT TEMP, 82.00
WET-BULB TEMP, 68.88
BAR, PRESSURE 29.95
ABS. HUMIDITY 13.21

SCALE MODEL ACOUSTIC TEST T/O 8/28/69 R/D 9/3/69-3

RUN=2 RDG=18 SPEED=8252

RADIAL DISTANCE 152

DATE: 9/24/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	10,0	2.,.	32,0	42,0	52,7	62,0	72,0	82,2	92,0	102,0	112,0	120,0	130,0	140,0	150,2	160,0	170,0	(PWL)
52						76,04	77,47	78,27	79,22	82,83	81,85	82,26	83,54						132,2
63						76,13	77,78	78,65	78,97	80,26	81,47	83,14	84,72						132,4
82						76,79	78,12	78,12	79,46	82,96	81,95	83,88	84,86						132,9
105						76,58	78,26	79,41	80,54	81,87	83,82	84,21	85,74						133,0
125						76,13	78,31	78,95	80,87	82,42	84,34	85,23	86,17						134,0
164						76,43	78,52	79,46	80,54	81,95	84,60	85,52	85,96						134,7
202						74,78	73,79	75,83	76,48	77,88	77,64	79,87	81,39						129,7
252						74,74	76,13	74,81	73,86	74,52	76,89	72,16	78,77						127,7
315						77,08	77,24	76,16	77,38	79,82	80,48	81,83	83,98						132,8
400						84,28	81,75	82,12	84,33	83,47	86,57	86,77	88,79						137,3
500						81,71	82,16	84,83	84,48	84,78	85,63	87,48	89,91						137,9
632						84,79	85,22	86,14	84,93	85,24	84,16	87,84	87,48						138,8
800						93,09	91,75	93,78	92,67	92,33	89,83	88,48	88,78						144,1
1260						89,74	90,89	93,72	90,98	88,01	88,98	88,14	87,18						142,6
1252						96,98	97,15	97,88	96,38	98,29	98,41	89,23	88,47						147,1
1600						98,44	94,14	95,23	95,87	95,86	94,21	86,88	88,66						146,2
2220						88,48	91,75	91,46	89,14	87,45	85,93	85,77	86,43						141,7
2520						88,83	89,20	89,94	86,77	86,48	86,21	89,81	87,49						140,9
3150						89,79	91,36	89,27	89,76	89,45	88,91	89,87	89,87						142,9
4200						89,35	98,92	88,22	89,37	88,89	88,11	86,88	87,86						142,1
5220						89,29	98,81	89,54	94,79	94,99	94,54	98,84	97,93						148,9
6300						87,94	88,47	87,28	90,38	98,24	91,85	92,99	93,75						145,8
8000						85,17	87,36	89,33	89,21	87,95	89,28	92,38	90,54						144,4
12200						84,86	85,44	84,38	87,91	89,48	89,38	93,81	92,77						140,1
MEASURED OASPL						182,9	183,8	184,1	184,2	183,4	183,3	184,9	184,7						
CALCULATED OASPL						181,9	182,8	183,1	183,2	182,3	182,8	183,4	183,2						
PNDB						113,8	115,1	114,6	116,3	114,1	115,9	118,2	117,9						

OAPWL: 156,2

AMBIENT TEMP, 81,88
WET-BULB TEMP, 67,38
BAR, PRESSURE 29,85
ABS, HUMIDITY 12,66

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/C 9/4/69-3

RUN=2 RPM=19 SPEED=8524

RADIAL DISTANCE 196

DATE: 9/24/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.0	10.0	20.7	30.7	41.0	52.2	62.2	72.7	82.2	92.0	102.0	112.7	122.2	132.0	142.0	152.0	162.0	172.0 (PWL)
50						-2.67	-1.89	-.451	.5924	1.317	2.329	3.548	4.839					
63						-3.15	-1.49	-.636	-.312	.9028	2.189	3.855	5.443					
80						-2.73	-1.41	-1.41	-.751	1.447	2.441	3.562	5.351					
100						-3.86	-2.19	-1.24	.6874	1.419	2.569	3.783	5.385					
125						-4.98	-2.78	-1.56	-.238	1.389	3.227	4.119	5.868					
160						-4.98	-2.90	-1.65	-.571	.8361	3.546	4.483	4.842					
200						-1.28	-2.22	-.989	.4659	1.869	1.626	3.852	5.377					
250						.7961	.1784	.6497	-.893	.5863	2.143	3.282	4.815					
315						-.595	-1.83	-2.11	-.887	.7454	2.288	3.958	5.789					
400						.9294	-1.92	-1.55	.6588	-.283	2.982	3.899	5.121					
500						-2.25	-1.70	.3783	.4897	.7499	1.676	3.447	5.953					
630						.7644	1.184	2.180	.8693	1.287	.1277	3.814	5.449					
800						3.937	1.745	3.776	2.682	2.322	-.175	-1.52	-4.23					
1000						1.295	1.647	5.272	2.469	.3995	.5282	-.389	-1.32					
1250						4.168	4.387	4.192	3.964	-2.52	-2.39	-3.58	-4.34					
1600						-1.33	2.371	3.452	3.292	3.286	2.433	-3.77	-3.12					
2000						1.348	4.621	4.328	2.212	.3198	-1.20	-1.36	-.781					
2500						-.344	3.181	3.784	.6936	.3135	.8487	2.838	1.324					
3150						1.886	3.447	1.357	1.849	1.542	.9951	1.156	1.164					
4000						2.249	3.882	1.122	2.269	1.786	1.884	-.208	.7775					
5000						-4.11	-3.39	-3.86	1.399	1.996	1.142	3.448	4.528					
6300						-1.17	-.687	-1.83	1.214	1.133	1.939	3.887	4.644					
8000						-1.41	-.227	-2.85	1.831	.8462	1.898	4.977	3.156					
10000						-2.79	-2.37	-3.44	-.386	1.991	1.567	5.283	4.955					

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.35
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN#2 RPM=19 SPEED=8524

RADIAL DISTANCE 150

DATE: 9/24/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						67.42	67.22	69.26	69.27	69.36	70.51	70.50	71.50						121.2
63						65.25	68.10	68.49	68.52	71.49	68.19	71.45	69.95						121.0
80						64.99	64.91	65.41	66.27	67.71	68.72	68.96	70.15						119.3
100						65.16	67.22	67.93	68.18	69.80	70.47	70.91	71.71						121.1
125						63.26	63.88	65.41	66.34	67.14	68.26	69.81	70.15						119.1
160						62.61	63.17	64.94	66.48	67.59	68.19	70.79	70.20						119.6
200						63.48	62.39	66.37	67.62	67.77	67.11	75.02	70.44						121.3
250						61.92	61.55	61.51	60.39	60.87	62.30	62.80	63.99						114.0
315						64.56	63.80	62.32	62.45	63.50	64.41	64.79	65.50						116.1
400						69.36	68.28	66.17	67.14	67.91	68.83	69.37	70.58						120.6
500						69.88	69.21	69.19	69.68	70.60	70.39	71.55	72.85						122.8
630						68.55	67.49	69.25	69.73	70.02	70.49	71.18	72.17						122.4
800						71.31	69.59	67.86	67.84	67.87	68.42	69.49	70.33						121.5
1000						77.13	74.86	73.19	73.63	72.82	72.94	73.82	75.46						126.8
1250						76.38	74.75	74.28	72.96	73.20	73.57	74.30	75.26						126.9
1600						77.38	76.72	75.97	74.83	75.27	75.25	74.90	75.62						128.5
2000						76.77	76.88	74.84	73.78	75.04	75.03	76.31	75.89						128.4
2500						78.36	77.56	76.95	75.89	76.57	78.12	80.48	77.28						131.1
3150						88.83	88.45	86.39	87.93	89.35	91.63	89.99	89.82						142.5
4000						85.17	84.91	82.01	83.19	84.51	86.31	84.72	84.44						130.1
5000						79.56	79.66	76.59	77.92	78.15	79.71	83.20	81.84						133.7
6300						84.64	84.29	81.49	82.67	82.73	85.01	83.86	85.75						138.3
8000						82.54	82.38	77.79	79.01	79.95	81.73	82.92	84.45						137.0
12000						81.62	81.97	77.67	78.77	80.65	80.13	81.30	81.84						137.1
MEASURED CASPL						94.53	94.20	91.72	92.65	93.64	95.38	95.80	94.94						
CALCULATED CASPL						93.27	92.94	90.54	91.58	92.68	94.49	94.91	93.73						
PNDB						128.2	107.8	105.6	146.9	108.2	109.8	109.2	108.7						

OAPWL: 146.9

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.60

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=2 SPEED=5400

RADIAL DISTANCE 150

DATE: 9/4/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-.549	-.709	1.329	1.339	1.429	2.579	2.657	3.576					
63						-2.44	.4154	.7994	.8185	3.800	.5075	3.762	2.269					
80						-.878	-.954	-.437	.4269	1.838	2.853	3.094	4.279					
100						-2.43	-.374	.3333	.5836	1.405	2.868	3.315	4.111					
125						-2.52	-1.70	-.103	.7634	1.567	2.680	3.438	4.573					
160						-3.36	-2.79	-1.22	.5111	1.621	2.232	4.829	4.232					
200						-4.16	-5.25	-1.25	-.129	.1297	-.533	7.371	2.791					
250						1.621	1.251	1.266	.2944	.5665	2.003	2.501	3.692					
315						2.275	1.517	.8325	.1615	1.219	2.127	2.501	3.216					
400						2.586	1.524	-.606	.3684	1.133	1.258	2.597	3.811					
500						1.212	.3448	.3223	.8134	1.738	1.532	2.685	3.984					
630						.1627	-.899	.8612	1.349	1.640	2.115	2.796	3.784					
800						3.969	2.213	.4908	-.337	.4937	1.041	2.113	2.956					
1000						4.522	2.228	.5619	.9948	.1894	.3066	1.185	2.325					
1250						3.765	2.278	1.603	.2867	.5272	.8898	1.711	2.507					
1600						3.334	2.674	1.923	.7826	1.224	1.203	.8538	1.574					
2000						2.989	2.291	1.055	-.207	1.252	1.246	2.522	2.115					
2500						1.974	1.180	.5622	-.487	.1901	1.742	4.094	2.899					
3150						1.324	.9458	-1.11	.4299	1.845	4.131	2.495	1.521					
4000						2.272	2.075	-.824	.3632	1.681	3.478	1.887	1.610					
5000						1.379	1.484	-1.58	-.257	-.029	1.529	5.025	2.860					
6300						2.426	2.263	-.745	.4402	.5031	2.779	1.625	3.516					
8000						2.536	2.377	-2.22	-.994	-.054	1.719	2.897	4.443					
10000						2.603	3.155	-1.15	-.947	1.826	1.309	2.486	2.217					

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/D 9/4/69-3

RUN=2 RDG=2 SPEED=5420

RADIAL DISTANCE 150

DATE: 9/24/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ.	0.0	16.0	24.0	32.0	40.0	52.7	62.2	72.7	82.2	96.2	106.2	116.2	126.2	136.2	146.2	156.2	166.2	176.0	(PWL)
52						68.45	68.82	69.66	69.79	70.96	71.89	71.41	72.17						122.2
63						66.27	66.82	69.16	68.77	72.26	69.43	72.84	71.89						121.8
80						65.89	66.11	66.36	67.49	68.95	69.84	78.59	71.67						120.6
100						67.47	69.48	69.79	71.78	72.69	73.19	73.44	73.81						122.7
125						64.92	65.78	66.83	67.97	68.89	69.89	76.99	71.95						120.9
160						64.46	64.83	65.72	67.37	66.47	69.81	73.71	71.47						120.3
200						68.23	66.69	70.92	72.85	69.27	69.88	69.82	73.58						122.3
250						63.26	61.77	61.86	62.92	61.99	63.31	64.11	63.17						114.8
315						60.14	65.51	64.36	65.34	66.69	67.19	67.79	66.28						118.5
400						70.72	69.91	67.89	69.48	70.24	70.76	72.05	73.02						122.9
500						73.79	71.72	71.32	71.56	73.29	72.29	73.98	74.58						124.9
630						70.51	69.84	71.81	71.83	71.16	72.14	73.17	74.15						124.2
800						72.69	71.17	69.59	69.41	69.41	70.18	71.31	71.99						123.2
1000						77.88	76.82	74.96	75.48	74.31	74.69	75.02	76.25						128.1
1250						77.93	76.88	76.89	75.22	74.61	75.52	76.88	76.93						128.8
1600						78.34	78.39	78.32	77.38	77.48	77.89	77.65	77.86						128.7
2000						78.59	78.75	77.34	76.11	76.72	76.77	78.59	78.84						130.9
2500						79.89	80.18	78.55	78.48	78.41	79.64	82.33	81.39						133.2
3150						86.94	86.56	85.44	85.37	85.68	86.91	86.66	86.39						139.4
4000						90.29	91.39	89.99	90.81	90.67	90.81	89.18	89.82						141.8
5000						88.89	81.82	78.78	79.72	80.53	83.52	86.77	84.77						136.7
6300						83.27	83.73	81.78	82.76	82.44	84.67	85.34	84.53						136.4
8000						85.46	85.97	81.64	82.96	82.72	83.62	85.45	87.35						140.8
10000						83.26	82.98	80.25	81.86	83.12	83.22	83.81	87.18						140.8
MEASURED OASPL						95.99	96.86	94.82	94.96	95.39	96.18	96.49	97.82						
CALCULATED OASPL						94.96	95.12	93.44	93.62	94.12	94.84	95.86	95.58						
PNDB						189.6	118.3	188.9	128.9	189.5	189.9	189.7	189.8						

OAPWL: 148.6

AMBIENT TEMP, 51.38
WET-BULB TEMP, 47.36
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.68

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=21 SEED=5736

RADIAL DISTANCE 150

DATE: 9/04/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-.209	.0817	.3364	1.067	2.236	2.307	2.688	3.447					
63						-2.22	.3829	.7382	.3451	3.435	1.007	3.438	2.666					
80						-1.26	-1.86	-.817	.5148	1.775	2.664	3.413	4.493					
100						-2.79	-.579	-.472	1.463	2.231	2.935	3.182	3.592					
125						-2.51	-1.55	-.496	.5759	1.573	2.565	3.667	4.619					
160						-2.20	-2.21	-1.03	.6271	1.720	2.259	3.969	4.725					
200						-.414	-1.95	2.286	3.413	.6274	-.559	1.161	4.862					
250						.1913	.7948	.7938	-.145	.9266	2.246	3.845	4.898					
315						1.379	.7491	-.399	.5741	1.283	2.422	2.969	3.436					
400						1.717	.9982	-1.11	.4765	1.235	1.754	3.841	4.318					
500						.7776	.7119	.2952	.5522	2.277	1.280	2.975	3.574					
630						.3337	-1.09	1.631	.6512	.9862	1.969	2.998	3.477					
800						3.785	2.263	.4924	.3883	.3613	1.874	2.282	2.483					
1000						3.949	2.294	1.832	1.517	.3758	.7560	1.888	2.321					
1250						3.439	1.403	1.614	.7435	.1382	1.850	1.612	2.493					
1600						3.844	3.993	2.825	1.888	1.169	.8639	.7521	1.968					
2000						2.649	2.813	1.398	.1738	.7764	.8253	2.652	2.184					
2500						1.482	1.686	1.136	.8591	-.887	1.227	3.911	2.977					
3150						1.684	2.116	1.883	.9381	1.237	2.466	2.215	1.944					
4000						1.768	2.807	1.467	1.488	2.153	2.294	.9638	.4977					
5000						-.263	.4656	-2.37	-1.43	-.626	2.359	5.618	3.419					
6300						.9345	1.395	-.558	.4846	.1882	2.326	3.882	4.167					
8000						2.512	3.007	-1.33	.8184	-.245	.6805	2.482	4.387					
10000						1.770	1.286	-1.45	-.633	1.487	1.922	1.317	5.485					

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.04
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=21 SPEED=5730

RADIAL DISTANCE 150

DATE: 9/24/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 10.2	20.2	32.2	42.2	52.2	62.2	72.2	80.2	90.2	100.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2	(PWL)
50					68.74	69.59	69.52	70.56	71.52	71.39	72.30	73.13						122.7
63					66.43	69.80	69.68	69.93	72.65	70.65	73.84	73.13						122.8
80					66.72	66.93	66.69	68.24	70.86	71.85	71.71	72.65						121.6
100					68.69	70.78	72.17	75.14	77.31	77.69	76.27	75.53						127.8
125					70.65	66.31	67.64	69.12	70.13	71.18	71.92	73.17						121.9
160					64.32	65.22	66.22	67.79	69.21	69.79	71.15	71.83						120.9
200					65.83	66.44	70.42	68.35	67.77	67.64	72.86	74.61						122.2
250					62.32	62.69	62.64	61.66	63.48	64.59	65.17	66.19						115.9
315					67.38	66.94	65.43	66.62	68.59	69.55	70.85	71.82						120.6
400					71.32	70.88	69.28	70.48	72.38	72.36	73.61	73.88						124.4
500					72.38	71.86	72.19	72.42	73.82	73.81	74.73	75.91						125.7
630					71.79	69.88	72.86	73.75	71.59	72.77	73.53	74.27						124.7
800					73.95	72.24	73.37	70.15	70.79	71.56	72.35	73.81						124.3
1000					79.15	76.85	76.29	75.73	76.41	76.77	76.20	77.64						129.1
1250					79.39	77.78	77.23	75.93	75.99	76.28	76.78	77.21						129.7
1600					80.66	78.38	79.16	77.79	78.62	77.91	78.39	79.88						131.6
2000					82.28	79.71	78.91	77.81	77.78	77.57	79.73	79.13						131.7
2500					81.29	80.57	80.22	78.76	79.88	80.25	83.29	82.16						133.9
3150					80.21	84.99	83.44	83.24	83.47	86.83	86.25	85.88						139.2
4000					92.82	93.13	88.64	89.25	89.86	95.43	91.82	90.48						145.5
5000					81.73	82.86	79.29	80.83	81.21	83.18	86.39	84.76						136.7
6300					83.49	83.51	81.79	82.82	83.44	85.88	86.59	86.96						139.8
8000					85.87	86.22	81.73	82.44	82.34	83.51	86.79	85.83						139.9
10000					83.22	81.57	79.81	80.86	80.75	82.86	83.99	80.75						140.6
MEASURED OASPL					97.27	97.27	94.21	94.55	95.85	98.36	97.71	97.79						
CALCULATED OASPL					95.96	95.82	92.88	93.11	93.65	97.33	96.31	96.30						
DIFF					111.3	111.3	108.2	108.5	109.1	112.9	111.4	110.8						

OAPWL: 149.4

AMBIENT TEMP, 81.32
WET-BULB TEMP, 67.32
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.65

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 ANG=22 SPEED=6220

RADIAL DISTANCE 150

DATE: 9/24/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.2	20.0	30.0	40.2	50.2	60.2	70.0	80.2	90.2	100.0	110.2	120.0	130.2	140.2	150.2	160.2	170.2	(PWL)
52						-.606	.1826	.0965	1.174	2.119	1.982	2.994	3.724						
63						-2.97	-.388	.4802	.5286	3.054	1.249	3.646	3.732						
80						-1.44	-1.23	-1.46	.0763	1.924	2.889	3.548	4.488						
100						-4.05	-2.75	-1.37	1.608	3.774	4.161	2.737	1.993						
125						-2.38	-2.13	-.797	.6881	1.694	2.743	3.486	4.738						
160						-2.45	-2.86	-1.05	.5141	1.939	2.519	3.876	4.356						
200						-2.77	-2.16	1.824	-.246	-.823	-.956	4.267	6.851						
250						.3594	.5559	.4941	-.486	1.258	2.449	3.831	4.856						
315						.6824	.0776	-1.44	-.243	1.722	2.683	3.185	4.155						
400						1.072	.3324	-1.27	.1381	1.531	1.810	3.859	4.520						
500						.7784	.0513	.3888	.6127	1.219	2.003	2.926	4.099						
630						1.123	-.786	1.389	1.283	.9287	2.183	2.862	3.599						
800						3.775	2.271	.1999	-.228	.6222	1.386	2.174	2.834						
1000						4.279	1.679	1.427	.8619	.5449	.8972	1.419	2.172						
1250						4.893	2.381	1.826	.5237	.5829	.7954	1.295	1.799						
1600						3.506	2.129	1.986	.6279	1.451	.7413	1.229	1.986						
2000						3.131	2.683	1.799	-.096	.6765	.4639	2.619	2.829						
2500						2.128	1.393	1.838	-.415	-.894	1.868	4.111	2.987						
3150						1.994	1.738	.2199	.0236	.2516	2.818	3.829	2.666						
4000						2.555	2.875	-1.61	-.996	-.387	5.176	1.569	.2299						
5000						.5419	.8651	-2.09	-1.16	.0234	1.989	5.266	3.575						
6300						.5457	.5688	-1.15	-.132	.4973	2.858	3.643	4.813						
8000						2.936	3.283	-1.28	-.499	-.593	.5762	3.862	2.898						
10000						.9892	-.746	-2.58	-1.46	-1.56	.5698	1.683	7.434						

AMBIENT TEMP. 81.26
WET-BULB TEMP. 67.22
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=22 SPEED=6228

RADIAL DISTANCE 15R

DATE: 9/24/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				69.18	69.45	70.12	70.83	71.98	71.99	72.92	73.68						123.2
63				66.93	69.46	69.79	70.32	72.69	71.18	73.78	73.49						123.1
80				67.47	67.73	67.87	69.27	70.88	71.59	72.57	73.78						122.5
100				69.85	72.13	73.33	76.17	78.92	79.87	78.89	76.81						126.8
125				66.79	67.39	68.66	72.49	71.49	72.49	73.28	74.33						123.2
160				65.38	65.85	66.96	69.83	70.18	70.52	71.89	72.58						121.7
200				65.35	64.38	68.92	70.22	67.48	68.61	70.64	74.12						121.4
250				62.84	63.36	63.54	62.86	63.98	65.46	68.12	67.49						118.8
315				68.23	67.24	66.23	66.82	68.42	70.88	71.10	72.19						121.3
400				71.74	71.87	69.71	70.97	72.44	72.97	74.65	75.89						124.9
500				73.15	72.48	72.84	73.84	73.69	74.15	75.10	76.75						126.3
630				71.75	70.93	72.68	73.85	72.76	73.43	73.62	74.93						125.4
800				73.05	72.59	70.92	70.71	71.21	71.88	73.99	75.67						124.7
1000				76.05	77.07	76.07	76.87	75.59	75.87	76.16	77.11						130.1
1250				77.38	78.48	77.58	76.53	76.88	76.74	76.74	78.88						132.1
1600				80.62	80.45	79.76	78.78	79.42	78.58	78.31	79.36						132.2
2000				79.98	80.14	78.31	78.12	78.61	78.84	78.43	78.35						132.0
2500				82.04	81.16	81.03	79.62	80.89	80.69	80.19	82.35						134.3
3150				84.06	85.21	84.21	83.94	84.26	85.17	85.82	85.97						138.2
4000				92.45	95.86	91.33	90.66	91.23	91.25	89.87	90.63						149.4
5000				81.66	82.48	80.69	81.78	81.92	83.86	86.52	84.71						137.1
6300				83.73	84.34	84.72	86.38	85.96	86.37	89.34	87.92						141.2
8000				85.49	85.88	82.22	83.18	83.44	83.86	86.68	86.15						140.6
10000				82.98	81.95	79.96	81.78	81.34	83.72	86.33	91.21						141.9
MEASURED OASPL				97.66	98.52	95.94	95.96	96.25	97.89	97.95	98.39						
CALCULATED OASPL				95.56	97.89	94.54	94.53	94.89	95.66	96.46	97.81						
PNDB				111.1	113.7	110.1	109.9	110.3	110.7	110.7	111.2						

CAPWLI 140.8

AMBIENT TEMP, 81.8F
WET-BULB TEMP, 67.2F
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=23 SPEED=6162

RADIAL DISTANCE 150

DATE: 9/24/69 PAGE: 8

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.0	14.0	2[illegible]	32.0	4[illegible].0	52.0	62.0	72.0	82.0	92.0	100.0	110.0	122.0	132.0	140.0	152.0	162.0	170.0 (PWL)
50						-.676	-.402	.2492	.9727	2.127	2.137	3.063	3.828					
63						-2.[illegible]	-.332	-.201	.5375	2.908	1.389	3.914	3.785					
80						-1.77	-1.31	-1.17	.2329	1.839	2.558	3.529	4.742					
100						-5.45	-3.18	-1.98	.8631	3.611	4.558	3.585	1.499					
125						-2.[illegible]	-2.29	-.833	.8776	1.798	2.796	3.570	4.635					
160						-2.51	-2.25	-1.13	.9322	2.084	2.422	3.795	4.484					
200						-2.48	-3.61	.9264	2.214	-.584	.6256	2.647	6.135					
250						-.224	.3895	.4946	-.186	.9327	2.415	3.873	4.484					
315						.7037	-.292	-1.29	-.712	.8919	2.473	3.670	4.619					
400						.6497	-.923	-1.38	-.119	.9581	1.881	3.558	4.838					
500						.7416	.0758	.4353	.6372	1.286	1.745	2.751	4.348					
630						.3861	-.436	1.514	1.683	1.397	2.859	2.253	3.559					
800						3.347	1.995	.3215	.1296	.6118	1.281	2.396	3.867					
1000						3.937	2.154	1.156	1.158	.6725	.9512	1.242	2.169					
1250						3.509	2.581	1.743	.6862	.9594	.9811	.9823	2.234					
1600						2.904	2.730	2.243	1.261	1.707	.8674	.5989	1.648					
2000						2.562	2.726	1.889	.6955	1.192	.6171	2.012	1.936					
2500						1.378	1.594	1.465	.2379	.5249	1.129	3.628	2.991					
3150						1.510	1.959	.9607	.6028	1.811	1.919	2.572	2.717					
4000						2.376	4.986	1.257	.5822	1.151	1.174	-.286	.5539					
5000						.2036	.8258	-.962	.8781	.2665	2.213	4.872	3.862					
6300						-1.38	-.769	-.388	1.267	.8471	3.264	4.234	2.811					
8000						1.937	2.312	-1.31	-.433	-.376	.2639	5.895	2.612					
10000						-.343	-1.27	-3.26	-1.52	-1.88	.4867	1.186	7.992					

AMBIENT TEMP. 81.22
WET-BULB TEMP. 67.22
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/D 9/4/69-3

RUN=2 RDS=23 SPEED=6152

RADIAL DISTANCE 152

DATE: 9/24/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	.0	10.2	2 ..	32.2	42.2	52.2	65.2	70.2	82.2	92.2	100.2	110.0	120.0	130.0	142.2	150.2	160.0	170.0	(PWL)
52						70.29	71.41	71.95	72.76	73.19	73.22	74.18	74.83						124.6
63						68.96	70.67	71.73	72.21	73.42	72.45	74.58	74.38						124.3
82						67.97	68.81	69.65	72.41	71.79	72.63	73.84	75.00						123.6
102						69.18	71.05	72.45	76.35	70.46	76.76	77.38	76.33						127.6
125						68.34	69.19	70.07	72.46	74.26	74.88	75.86	75.32						124.9
162						67.27	67.89	69.27	70.71	71.41	72.11	73.33	74.03						123.2
222						66.58	65.29	67.16	68.57	69.95	71.48	70.96	72.33						121.0
252						64.46	65.88	64.87	64.21	65.59	67.45	67.39	66.26						118.1
315						69.67	68.53	67.77	67.74	68.75	70.53	71.16	73.01						122.8
402						72.61	72.76	70.35	72.12	72.99	73.87	75.56	77.05						125.9
502						73.99	73.80	73.68	74.39	74.78	75.42	76.61	76.12						127.6
632						72.33	72.22	73.93	74.48	74.29	75.22	76.82	76.82						126.9
802						73.98	72.96	71.74	71.31	71.88	72.75	73.66	74.49						125.3
1002						78.82	77.42	76.41	77.09	75.59	76.82	77.85	77.94						129.6
1252						79.78	79.89	78.17	77.87	77.74	79.84	78.56	79.33						131.3
1602						80.91	80.99	80.17	79.34	79.37	79.74	79.16	79.77						132.7
2002						79.77	79.81	78.91	78.25	78.45	78.66	80.85	79.54						132.1
2522						80.39	80.78	81.29	80.34	80.03	81.35	84.19	82.80						134.7
3152						84.17	84.34	84.32	84.22	84.33	85.63	86.69	86.21						138.4
4022						91.87	93.78	90.61	91.93	92.31	91.91	88.72	89.12						145.1
5002						82.28	83.08	81.14	82.52	82.42	84.27	86.88	85.88						137.6
6302						84.34	85.83	86.14	89.23	86.23	91.95	89.89	89.42						142.9
8002						84.12	85.84	82.37	83.62	83.21	84.62	88.45	86.69						140.5
10022						82.29	82.25	80.97	82.59	82.27	84.88	86.27	89.37						141.2
MEASURED CASPL						96.71	97.77	96.84	97.17	96.89	98.38	98.18	98.35						
CALCULATED CASPL						95.29	96.36	94.55	95.85	95.54	97.81	96.59	96.73						
RNDB						112.8	111.9	109.9	111.2	111.1	111.6	110.5	110.7						

OAPWL: 158.1

AMBIENT TEMP, 81.02
WET-BULB TEMP, 67.23
BAR, PRESSURE 29.64
ABS, HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDB=24 SPEED=6467

RADIAL DISTANCE 150

DATE: 9/24/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-.979	.1457	.6874	1.493	1.926	1.959	2.911	3.578					
63						-1.99	-.284	.7839	1.259	2.467	1.498	3.627	3.433					
80						-2.22	-1.39	-.553	.2122	1.596	2.432	3.645	4.802					
100						-4.94	-3.87	-1.67	2.226	4.336	2.639	3.256	2.213					
125						-3.06	-2.21	-.728	1.063	2.657	2.604	3.659	3.924					
160						-2.58	-1.76	-.389	1.056	1.758	2.459	3.669	4.376					
200						-1.41	-2.69	-.832	.5793	1.963	3.492	2.971	4.341					
250						.0271	.5637	.4383	-.428	1.158	3.013	2.963	3.819					
315						1.413	.2739	-.402	-.512	.4984	2.273	2.988	4.758					
400						.4885	.6388	-1.78	-.226	.8592	1.739	3.430	4.928					
500						.3421	.1538	.0353	.7424	1.134	1.775	2.965	4.474					
630						-.656	-.791	.9358	1.489	1.300	2.228	3.833	3.829					
800						2.788	1.773	.5518	.1215	.6127	1.558	2.478	3.296					
1000						3.366	1.969	.9549	1.639	.1375	1.366	1.598	2.493					
1250						2.789	2.181	1.188	.8829	.7588	2.059	1.976	2.339					
1600						2.635	2.769	1.945	1.116	1.154	1.518	.9483	1.549					
2000						2.299	2.332	1.431	.7812	.9768	1.188	2.581	2.862					
2500						.8751	.8688	1.374	.4162	.1867	1.428	4.267	2.882					
3150						.7848	.9503	.9291	.8322	.9368	2.236	3.385	2.817					
4000						2.855	3.881	.7911	2.112	2.493	2.088	-1.18	-.781					
5000						-.839	.9787	-.966	.4129	.3144	2.162	4.768	2.969					
6300						-2.47	-.982	-.671	2.418	-.578	5.142	2.283	2.604					
8000						.6407	1.579	-1.08	.1451	-.246	1.164	4.993	3.339					
10000						-.632	-.673	-1.96	-.341	-.655	1.152	3.346	6.447					

AMBIENT TEMP. 81.00
WET-BULB TEMP. 67.00
BAR. PRESSURE 29.84
ABS. HUMIDITY 12.66

SCALE MODEL ACOUSTIC TEST T/L 8/28/69 R/D 9/4/69-3

RUN=2 RDG=24 SPEED=6467

RADIAL DISTANCE 156

DATE: 9/04/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ	6.0	18.0	27.2	36.2	42.8	52.2	62.7	70.2	82.2	90.2	102.2	110.2	120.2	132.2	142.7	152.2	160.2	172.2	(PWL)
50						73.25	71.23	71.84	73.51	75.68	73.97	75.23	75.42						125.7
63						72.39	71.23	71.77	73.88	76.17	73.39	74.78	75.85						125.5
80						71.39	69.72	70.86	72.24	74.62	73.91	74.63	75.76						125.0
100						71.36	70.23	73.88	75.91	77.78	77.85	78.41	77.81						127.5
125						72.06	69.72	73.72	74.89	76.26	75.74	75.77	76.31						126.3
160						69.85	68.52	70.47	71.94	73.17	73.16	74.32	74.95						124.4
200						68.52	66.69	68.76	69.71	71.42	71.68	72.67	73.94						122.9
250						65.79	65.44	66.64	65.64	67.76	68.56	68.92	70.21						119.7
315						69.92	68.43	68.34	68.83	69.22	70.57	71.24	72.48						122.1
400						73.28	72.51	72.17	71.89	73.12	73.87	75.41	77.24						126.2
500						75.12	73.89	73.81	74.79	75.51	75.53	77.23	78.92						128.1
630						74.46	72.77	74.94	75.85	75.83	75.77	77.05	77.61						127.9
800						73.24	72.35	72.15	71.66	72.18	73.88	73.84	74.69						125.3
1000						76.17	77.93	75.88	76.99	76.26	77.88	77.49	78.27						129.8
1250						79.49	78.19	78.59	77.69	78.31	78.64	78.73	79.53						131.2
1600						80.88	81.13	79.83	79.32	79.72	79.56	78.99	80.24						132.7
2000						79.49	78.79	78.32	78.36	79.84	79.14	80.12	79.84						132.2
2500						80.66	81.67	80.65	80.39	80.57	81.99	84.43	83.28						134.9
3150						84.72	85.28	84.89	84.62	84.88	86.17	88.74	86.69						138.8
4000						93.73	94.98	91.72	93.27	93.38	93.61	89.32	90.18						146.4
5000						83.87	85.23	82.84	83.84	84.12	85.41	87.31	88.79						138.7
6300						84.47	85.12	84.37	87.96	91.42	91.78	90.42	89.84						143.5
8000						85.78	86.73	82.37	84.59	84.38	85.51	87.48	87.79						141.6
10000						83.07	83.14	79.62	82.99	82.89	84.84	87.12	89.36						141.6
MEASURED OASPL						97.81	98.75	96.12	97.69	98.52	99.48	98.65	98.88						
CALCULATED OASPL						98.31	97.38	94.79	96.38	97.29	97.79	97.29	97.29						
PWDB						112.2	112.9	110.5	111.9	112.4	112.8	111.8	111.4						

OAPWL: 136.9

AMBIENT TEMP, 83.88
WET-BULB TEMP, 68.88
BAR. PRESSURE 29.34
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 HOG=25 SPEED=6663

RADIAL DISTANCE 150

DATE: 9/4/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						1,173	-1,15	-,536	1,129	3,296	1,590	2,848	3,045					
63						,4478	-,915	-,375	,9333	4,025	1,247	2,636	2,909					
80						-,227	-1,91	-1,56	,6292	2,994	2,282	3,003	4,129					
100						-2,45	-3,78	-,932	1,898	3,773	3,042	2,603	2,999					
125						-2,11	-3,04	-1,07	1,323	3,291	2,938	3,000	3,544					
160						-1,47	-2,29	-,747	1,130	2,354	2,350	3,505	4,139					
200						-,964	-2,61	-,547	,3991	2,109	2,377	3,365	4,635					
250						-,228	-,575	,6258	-,377	1,764	2,546	2,909	4,192					
315						1,343	,1551	,0673	-,244	,9524	2,301	2,967	4,211					
400						,8799	,3142	-2,02	-,307	,9241	1,673	3,409	5,045					
500						,9221	-,314	-,395	,5914	1,309	1,331	3,034	4,724					
630						,4856	-1,19	,9719	1,881	1,065	1,803	3,279	3,637					
800						1,967	1,093	,8956	,4068	,9287	1,749	2,586	3,439					
1000						3,520	1,881	,1502	1,344	,6077	1,349	1,845	2,623					
1250						2,547	1,240	1,655	,7477	1,361	1,698	1,789	2,586					
1600						2,504	2,914	1,416	1,082	1,497	1,285	,7809	2,025					
2000						1,918	2,217	,7466	,7812	1,460	1,564	2,540	2,263					
2500						,4285	1,430	,4194	,1673	,3377	1,761	4,201	3,051					
3150						,9165	1,484	,2975	,8316	1,084	2,373	2,943	2,907					
4000						2,591	3,840	,5776	2,137	2,244	2,472	-1,82	-1,04					
5000						,6233	1,982	-1,21	,5999	,8731	2,169	4,062	2,543					
6300						-2,98	-2,33	-3,08	,1091	3,978	4,331	2,965	2,386					
8000						1,317	2,145	-2,22	,0001	-,205	,9205	4,896	3,203					
10000						-,259	-,180	-3,71	-,334	-,434	1,513	3,796	6,033					

AMBIENT TEMP. 83.00
WET-BULB TEMP. 58.00
BAR. PRESSURE 29.04
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/4/69-3

RUN=2 RDG=25 SPEED=6623

RADIAL DISTANCE 130

DATE: 9/15/69

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SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 48,2	56,2	64,2	72,2	80,2	88,2	96,2	104,2	112,2	120,2	128,2	136,2	144,2	152,2	160,2	168,2	176,2	(PWL)
50			71,29	72,59	73,71	74,42	75,12	74,99	75,74	76,69								126,2
63			72,21	72,49	73,23	73,98	74,77	74,65	76,42	76,91								126,2
80			69,91	70,87	71,49	72,45	74,06	74,74	75,82	77,18								125,7
100			69,43	70,42	73,42	74,51	76,18	76,28	76,49	78,81								127,1
125			69,39	74,75	75,42	76,45	79,61	78,49	76,75	79,29								129,3
160			68,27	69,83	70,85	71,79	73,89	73,58	74,85	75,89								124,7
200			67,42	67,24	67,97	69,59	70,17	72,48	72,51	73,59								122,4
250			66,35	67,86	66,61	66,22	67,48	68,55	73,11	71,17								121,1
315			70,67	70,82	69,16	69,45	71,14	72,43	73,49	74,92								123,9
400			73,75	73,54	72,89	73,84	75,65	75,68	77,62	79,43								127,9
500			76,03	74,62	75,19	75,93	76,43	76,81	78,55	80,41								129,3
630			75,24	73,11	75,67	76,21	75,62	75,93	77,46	78,22								128,3
800			74,45	73,12	72,56	73,49	73,64	74,24	75,28	76,81								126,4
1000			78,35	77,14	77,47	77,52	76,94	77,65	78,48	79,57								130,4
1250			78,94	77,93	77,53	77,54	77,85	77,66	78,29	79,95								130,7
1600			79,76	80,35	79,45	78,73	79,26	79,26	78,98	80,25								132,2
2000			78,59	78,94	77,82	77,53	78,54	78,33	79,72	79,54								131,6
2500			79,65	80,48	80,37	79,98	80,41	81,46	83,96	83,11								134,5
3150			83,09	84,57	83,78	84,13	84,53	85,87	86,31	86,42								138,3
4000			92,28	94,19	91,12	91,87	92,85	90,29	88,98	89,96								145,1
5000			86,91	88,88	86,82	86,66	87,84	86,29	86,15	87,19								141,8
6300			83,73	85,28	84,69	85,82	86,69	91,88	90,86	91,21								148,5
8000			84,84	86,87	83,26	85,34	85,36	87,35	89,22	90,25								148,3
10000			82,12	83,41	81,36	83,86	83,93	85,71	87,28	89,92								148,1
MEASURED OASPL			90,87	90,29	90,22	91,44	91,82	92,18	92,88	93,53								
CALCULATED OASPL			90,76	91,22	90,83	90,51	90,54	90,98	91,44	90,87								
DIDB			111,2	112,6	110,5	111,4	111,7	111,1	111,1	111,6								

OAPWL: 158,9

AMBIENT TEMP, 83,26
WET-BULB TEMP, 68,02
BAR. PRESSURE 29,64
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/U 8/28/69 R/U 9/5/69-3

RUN=2 RDG=25 SPEED=6654

RADIAL DISTANCE 150

DATE: 9/15/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	5.0	15.0	25.0	37.5	45.0	57.5	65.0	75.0	85.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	(PWL)
50						-1.74	-.347	.7046	1.488	2.102	2.054	2.798	3.753						
63						-2.05	-.362	.3609	1.134	1.912	1.787	3.566	4.847						
80						-2.38	-1.41	-.863	.1581	1.773	2.447	3.523	4.889						
100						-4.17	-1.27	-.176	.9182	2.563	2.688	2.891	4.486						
125						-5.92	-.762	-.188	.9386	4.899	2.882	1.248	3.748						
160						-2.72	-2.89	-1.67	.6651	1.965	2.379	3.721	4.763						
200						-1.33	-1.51	-.778	.8449	2.421	1.733	3.758	4.847						
250						-.8247	-.314	-.769	-1.15	.1646	1.172	3.735	3.793						
315						.3369	-.112	-.905	-.873	1.889	2.381	3.365	4.788						
400						-.291	-.499	-1.95	-.286	1.883	1.639	3.573	5.385						
500						.6146	-.796	-.222	.5779	1.899	1.391	3.138	4.993						
630						-1.47	-1.27	1.353	1.982	1.369	1.621	3.144	5.911						
800						1.868	.6348	.2725	1.239	1.151	1.751	2.716	3.924						
1000						2.169	.9528	.8904	1.337	.7993	1.463	2.297	3.389						
1250						2.965	1.998	1.151	1.182	1.472	1.287	1.989	2.577						
1600						2.249	2.325	1.348	1.721	1.559	1.553	1.272	2.946						
2000						1.639	1.985	.6643	.9717	1.581	1.373	2.764	2.988						
2500						.8921	.7251	.6157	.2228	.8532	1.702	4.282	3.349						
3150						.3833	1.224	.4329	.7829	1.183	2.527	2.969	3.871						
4000						2.441	4.359	1.285	2.232	2.217	.4541	-.856	-.297						
5000						1.377	3.357	.4837	1.342	1.526	.7591	2.618	1.658						
6300						-3.49	-2.13	-2.72	2.394	1.293	3.678	3.484	3.799						
8000						-.466	.7619	-2.45	.4383	.8499	2.843	3.916	4.919						
10000						-.854	-.367	-2.42	.6948	.1515	1.932	3.497	5.741						

AMBIENT TEMP, 83.24
WETBULB TEMP, 68.87
BAR. PRESS RE 29.64
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST R/D 8/28/69 R/D 9/5/69-3

RUN2 RUN2A SPEED=6624

RADIAL DISTANCE 25M.

DATE: 9/5/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET																(PWL)
	6,2	14,2	2	32,2	41,2	51,2	61,2	72,2	87,2	97,2	102,2	112,2	122,2	132,2	142,2	150,2	160,2	170,2	
5						72,49	72,59	73,33	73,99	75,27	75,49	76,29	77,44						126,5
63						74,27	72,39	73,23	75,44	75,12	75,28	76,75	77,31						126,4
8?						74,79	72,99	71,24	72,55	74,33	75,25	76,31	77,94						126,3
10?						74,91	71,99	73,62	74,68	76,26	76,99	77,82	79,56						127,9
125						71,39	74,83	76,75	78,09	80,13	79,42	79,45	81,67						130,5
16?						68,75	69,46	76,87	72,24	73,69	74,19	75,53	76,49						125,3
20?						66,41	67,42	68,67	69,74	70,73	71,31	72,81	74,16						122,9
25?						68,21	68,43	68,99	66,90	68,42	70,34	72,38	72,64						122,1
315						71,35	70,65	70,06	70,71	71,80	73,31	74,42	76,57						125,8
40?						74,33	73,97	73,05	74,78	76,46	76,87	78,89	80,09						129,8
50?						76,77	75,22	76,24	76,68	77,74	77,67	79,39	81,54						130,3
63?						74,89	75,81	76,59	76,81	76,22	76,31	77,69	78,34						128,9
80?						74,36	73,66	73,47	73,68	74,82	74,61	75,79	76,96						127,1
100?						79,41	79,34	79,86	79,34	78,38	79,74	78,99	79,82						131,7
125?						80,89	79,45	79,53	79,45	78,83	79,55	79,18	79,86						131,9
160?						80,71	81,25	82,59	79,80	80,45	79,83	79,69	81,21						133,1
200?						78,71	78,69	78,22	77,71	78,65	78,51	79,99	79,69						131,7
250?						80,93	82,76	82,85	82,55	80,64	81,71	83,99	83,84						134,7
315?						84,76	85,17	85,22	85,18	85,56	86,41	86,69	86,37						138,9
400?						92,50	93,52	96,54	92,12	91,31	91,19	89,48	90,46						145,1
500?						89,13	90,25	87,34	86,03	86,68	88,37	89,86	88,62						142,6
630?						85,11	84,82	85,22	86,91	91,52	94,38	89,25	90,73						144,5
800?						85,47	86,89	83,38	85,71	86,47	87,79	89,79	90,49						142,8
1000?						84,24	84,55	82,72	84,92	85,18	86,97	88,79	90,82						143,4
MEASURED OASPL						97,88	98,58	98,59	98,19	98,56	99,93	99,26	110,1						
CALCULATED OASPL						96,82	97,29	95,44	97,82	97,35	98,62	97,75	98,64						
PNDB						111,2	112,5	112,6	111,9	111,7	112,7	111,5	112,3						

OAPWL: 151,6

AMBIENT TEMP, 93,8F
WETBULB TEMP, 55,2F
BAR. PRESS. 29,44
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/U 8/28/69 R/U 9/5/69-3

RUN#2 RDR#27 SPEED#694

B100

RADIAL DISTANCE 152

DATE: 9/5/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	14.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.2	102.2	112.2	122.2	130.0	140.2	150.2	162.2	170.0 (PWL)
50						-1.15	-.645	.2852	.7523	2.027	2.257	3.051	4.199					
63						-2.58	-.688	.1416	.3581	2.019	2.165	3.661	4.223					
80						-2.85	-1.85	-1.62	-.291	1.493	2.412	3.969	5.103					
100						-3.39	-2.42	-.777	.2833	1.863	2.595	3.428	5.167					
125						-5.39	-2.17	-.238	1.299	3.148	2.429	2.402	4.879					
160						-2.79	-2.28	-.879	.4912	1.945	2.447	3.785	4.743					
200						-1.24	-1.83	-.533	.4965	1.481	2.262	3.562	4.933					
250						-.172	.0465	.6176	.1203	.2345	1.959	3.921	4.259					
315						.1143	-.585	-1.17	-.527	.6479	2.074	3.383	5.336					
400						-.853	-1.21	-2.13	-.397	.8828	1.695	3.722	5.722					
500						.3947	-1.15	-.138	.3713	1.361	1.300	3.812	5.162					
630						-.297	.0709	1.649	1.875	1.282	1.374	2.749	3.403					
800						1.302	.6592	.4745	.6826	1.220	1.627	2.792	3.957					
1000						1.838	1.788	1.513	1.789	.7526	2.185	1.438	2.274					
1250						3.227	1.784	1.864	1.790	.3659	1.888	1.442	1.401					
1600						2.001	2.593	1.942	1.151	1.396	.9729	1.842	2.459					
2000						1.625	1.595	1.116	.6213	1.544	1.422	2.886	2.586					
2500						.5326	.7675	.8543	.5585	.6432	1.714	3.995	3.047					
3150						.7473	1.162	1.211	1.172	1.551	2.395	2.681	2.359					
4000						2.691	3.713	.7335	2.304	1.495	1.387	-.327	.6456					
5000						2.299	3.174	.2729	1.959	1.008	1.381	1.991	1.545					
6300						-3.28	-3.77	-3.19	.5227	3.132	5.995	.0411	2.348					
8000						-.201	.3339	-2.38	-.247	.7158	2.833	4.042	4.748					
10000						-.833	-.525	-2.37	-.156	.1025	1.889	3.698	5.741					

AMBIENT TEMP. 53.26
WET-BULB TEMP. 55.62
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/O 8/28/69 R/D 9/5/69-3

RUN#2 RUG#27 SPEED#694.

RADIAL DISTANCE 15[illegible]

DATE: 9/[illegible]/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	[illegible],0	10,0	2[illegible],2	32,0	42,2	52,[illegible]	67,2	72,2	82,[illegible]	[illegible],2	100,0	112,2	120,0	132,0	140,2	150,2	162,2	170,0	(PWL)
52						75,92	74,35	75,09	75,82	7,76	77,58	78,87	80,47						129,8
63						77,22	77,24	77,38	77,39	77,64	78,26	79,86	80,96						130,1
80						74,29	73,95	74,51	75,57	77,14	77,96	79,49	81,18						129,2
120						73,03	73,95	75,33	76,91	78,12	79,10	80,50	81,91						130,1
125						73,74	76,47	80,54	81,74	80,75	81,99	84,15	85,7[illegible]						133,7
167						72,21	72,32	73,89	75,[illegible]1	76,75	77,19	78,98	80,11						128,6
222						71,67	70,52	71,85	73,36	73,88	74,19	76,23	77,64						126,2
257						70,27	69,41	71,[illegible]2	69,89	70,87	72,31	74,03	74,28						123,[illegible]
315						72,91	72,11	71,97	72,25	74,35	75,52	76,64	77,96						126,8
422						76,18	76,37	75,35	77,05	78,20	79,28	81,42	83,09						131,3
527						77,77	76,74	78,39	78,96	82,07	80,19	82,21	84,12						132,7
637						75,65	76,19	78,13	78,27	78,33	79,46	80,49	81,90						131,3
822						76,58	75,82	75,06	75,36	76,66	77,37	78,97	79,66						129,6
1222						77,42	78,82	79,60	79,07	78,96	80,38	80,97	81,65						132,3
1252						79,16	80,22	82,92	80,65	80,21	81,09	81,18	81,34						133,6
1622						79,18	79,65	80,51	80,12	80,23	80,87	80,85	80,98						132,9
2222						78,37	78,65	80,45	79,16	80,79	79,55	80,42	79,79						132,7
2502						79,65	79,51	82,19	82,03	81,15	81,95	83,99	83,08						135,8
3152						84,98	87,58	89,34	89,12	87,77	86,43	86,23	85,98						140,9
4022						87,13	88,61	88,09	89,18	87,53	86,88	86,03	85,84						141,2
5222						95,29	98,09	97,52	97,13	92,96	93,17	94,93	94,15						149,6
6322						85,05	86,03	86,93	88,69	87,82	88,39	87,94	87,98						142,8
8222						84,34	84,94	82,79	85,46	85,86	86,34	88,47	87,93						141,5
10222						85,29	87,17	88,06	88,21	88,71	88,99	89,63	92,58						145,7
MEASURED CASPL						98,95	107,9	100,7	101,1	99,21	99,46	100,8	101,2						
CALCULATED CASPL						97,82	99,91	99,86	99,96	97,69	98,85	99,18	99,54						
PNDB						112,9	114,9	114,9	114,9	112,5	112,7	113,9	113,8						

OAPWL: 153,2

AMBIENT TEMP. 83,00
WET-BULB TEMP. 68,00
BAR. PRESSURE 29,04
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

PU =2 RDG=2: SPEED=7547

RADIAL DISTANCE 15[illegible]

DATE: 9/ 5/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	[illegible]	[illegible]	32.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110.2	120.0	132.0	140.0	150.0	160.0	170.0 (PWL)
52						,2067	-1,37	-,638	,6997	2,242	1,857	3,149	4,749					
63						,5232	,5279	,6673	,3745	,9281	1,542	3,142	4,246					
80						-1,63	-1,87	-1,31	-,286	1,322	2,138	3,678	5,357					
100						-2,03	-2,71	-1,34	,2412	1,459	2,439	3,837	5,241					
125						-6,47	-3,73	,3292	1,239	,5473	1,791	3,942	5,503					
160						-2,04	-2,75	-1,15	,5622	1,699	2,145	3,928	5,055					
200						-,908	-2,05	-,719	,7926	1,316	1,627	3,666	5,074					
250						-,292	-,556	,8381	-,275	,7269	2,145	3,863	4,118					
315						-,147	-,947	-1,09	-,809	1,294	2,458	3,579	4,904					
400						-1,29	-1,12	-2,12	-,414	,7354	1,817	3,954	5,619					
500						-,964	-1,99	-,336	,2269	1,333	1,457	3,475	5,384					
630						-1,04	-1,09	,8414	,7838	1,046	2,169	3,218	4,617					
800						1,279	,3250	-,439	-,139	1,162	1,876	3,478	4,153					
1000						-,648	-,243	1,539	1,605	,8958	2,016	2,901	3,587					
1250						-,135	,9219	3,623	1,359	,9188	1,885	1,883	2,047					
1600						,7476	1,211	2,072	1,684	1,798	1,638	1,617	2,545					
2000						,2457	,5963	2,394	1,108	2,741	1,495	2,369	1,738					
2500						-,415	-,753	1,934	1,764	,8853	1,682	3,724	2,748					
3150						-,939	1,655	3,417	3,896	1,852	,5061	,3059	,0619					
4000						1,255	2,743	2,235	3,319	1,666	1,016	,1631	-,027					
5000						1,219	4,223	3,452	3,081	-1,11	-,895	,6674	,0788					
6300						-,057	,1231	1,818	2,774	1,906	2,479	2,029	2,072					
8000						-,279	,5260	-1,63	1,241	1,448	1,921	4,050	3,515					
10000						-1,[illegible]1	-,212	,6752	,8271	1,324	1,682	2,247	5,194					

AMBIENT TEMP. 83,00
WET-BULB TEMP. 68,22
BAR, PRESSURE 29,84
ABS, HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN=2 RDG=28 SPEED=7547

RADIAL DISTANCE 152

DATE: 9/5/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	16.2	24.0	32.0	40.2	52.2	60.2	72.2	82.2	92.2	100.0	110.0	120.0	130.0	140.2	150.2	160.0	170.0	(PWL)
50						73.23	74.74	75.70	75.69	77.27	77.71	78.77	79.91						128.8
63						74.43	76.29	77.61	77.15	77.83	79.05	79.63	80.74						129.8
80						73.63	74.59	74.76	75.68	77.39	78.94	79.86	81.13						129.5
100						73.11	74.44	75.70	76.97	78.12	79.21	80.38	81.79						130.1
125						74.63	76.84	79.78	78.63	78.85	80.71	82.74	83.37						132.1
160						72.69	72.62	74.08	75.46	76.54	77.13	78.47	79.51						128.4
200						72.79	70.14	71.12	72.97	73.19	73.61	74.93	76.63						125.4
250						70.52	70.77	70.74	72.17	71.13	72.31	73.49	75.88						124.1
315						74.14	73.54	72.74	73.74	75.22	76.44	78.[illegible]	79.52						128.1
400						77.51	77.27	76.64	78.27	79.92	80.51	82.47	84.11						132.5
500						77.77	77.72	79.42	79.59	80.43	80.83	82.67	84.53						133.2
630						75.05	75.19	78.35	78.13	78.16	79.09	79.81	81.34						131.8
800						75.06	76.33	75.53	76.69	76.99	78.59	78.41	79.48						129.8
1000						77.48	78.13	78.65	79.62	79.47	80.13	81.08	82.81						132.3
1250						80.37	84.22	84.22	82.48	83.49	81.35	81.18	81.42						135.2
1600						82.29	87.32	87.05	86.62	86.89	84.17	81.65	83.14						138.2
2000						83.47	88.42	91.28	90.45	87.82	84.37	82.28	82.15						140.3
2500						83.49	86.26	89.23	88.26	86.79	85.32	86.99	84.84						139.9
3150						88.46	91.02	93.92	91.88	90.51	90.71	88.16	87.45						144.8
4000						86.12	88.06	88.21	88.62	87.13	86.92	85.53	85.88						140.7
5000						94.93	93.23	89.24	91.46	90.53	94.56	93.86	92.44						146.6
6300						85.78	86.81	85.57	87.29	86.49	87.15	87.08	87.87						141.8
8000						83.83	85.72	82.72	85.59	86.64	85.57	88.02	86.94						141.3
10000						84.77	84.88	85.09	88.73	86.90	89.58	91.38	89.97						144.9
MEASURED OASPL						99.02	100.2	100.4	100.4	99.56	100.6	100.9	100.5						
CALCULATED OASPL						97.92	98.75	99.28	99.24	98.32	99.24	99.18	98.65						
PNDB						113.1	113.2	114.2	113.5	112.6	114.0	113.7	113.8						

OAPWL: 152.7

AMBIENT TEMP. 83.00
WET-BULB TEMP. 55.00
BAR. PRESSURE 29.24
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/C 8/28/69 R/D 9/5/69-3

RC #2 RDG=29 SPEED=7700

RADIAL DISTANCE 15.

DATE: 9/15/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 7.2	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2	107.2	117.2	127.2	137.2	147.2	157.2	167.2	177.2 (PWL)
50				-1,74	-,727	,2358	,4296	1,804	2,242	3,308	4,448							
63				-2,45	-,194	,9368	,6908	1,354	2,575	3,102	4,271							
80				-2,44	-1,49	-1,33	-,412	1,327	2,848	3,768	5,243							
100				-3,34	-2,22	-,949	,3147	1,459	2,556	3,723	5,135							
125				-4,32	-1,71	1,229	,4772	,2978	2,165	4,191	4,817							
160				-2,87	-2,17	-,687	,6966	1,775	2,361	3,706	4,746							
200				-,639	-1,59	-,623	1,231	1,459	1,872	3,192	4,897							
250				,1318	,3822	,3569	-,217	,7483	1,923	3,104	4,698							
315				-,172	-,774	-1,57	-,571	,8924	2,127	3,692	5,213							
400				-1,14	-1,38	-2,88	-,369	1,275	1,866	3,825	5,466							
500				-1,49	-1,94	-1,564	,3380	1,171	1,971	3,412	5,269							
630				-1,95	-,989	1,393	1,128	1,162	2,288	2,811	4,343							
800				-,256	,5226	-,199	,9697	1,269	2,871	2,687	3,677							
1000				-,645	,4193	,5393	1,516	1,367	2,221	2,698	3,899							
1250				-,516	3,334	3,337	1,686	2,616	,4788	,2174	,9418							
1600				-1,08	3,095	3,326	2,868	3,158	,4272	-2,89	-,612							
2000				-2,06	2,492	5,155	4,924	1,887	-1,46	-3,65	-3,78							
2500				-2,02	1,193	4,121	3,192	1,679	,2134	1,881	-,284							
3150				-4,22	1,942	4,847	2,886	1,432	1,629	-,917	-1,62							
4000				,8552	2,614	2,761	3,175	1,679	1,479	,8848	-,444							
5000				3,241	2,112	-2,88	,3493	-,589	3,442	2,742	1,322							
6300				,8648	1,795	,6474	2,373	1,572	2,229	2,168	2,153							
8000				-,397	1,489	-1,92	1,368	2,617	1,344	3,791	2,717							
10000				-1,09	-1,78	-1,57	2,787	,2407	2,918	4,842	3,313							

AMBIENT TEMP, 83.24
REFRIGER TEMP, 83.62
BAR. PRESSURE 29.64
ABS. HUMIDITY 14.93

SCALE MODEL ACOUSTIC TEST T/O 8/28/69 R/O 9/5/69-3

SCREEN RADIUS SPEED=7742

RADIAL DISTANCE 15'

DATE: 9/15/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,	40,0	50,0	60,0	70,0	82,2	122,2	110,0	120,0	132,0	142,2	150,0	160,0	170,0	(PWL)
50					74,78	75,42	76,21	77,89	77,83	78,62	79,45	80,47						129,5
63					74,83	75,68	76,48	76,65	78,22	78,83	84,83	86,92						139,8
80					74,49	75,55	75,72	76,84	78,46	79,62	80,66	81,59						130,3
100					73,83	75,12	76,42	77,69	79,26	82,35	81,55	82,89						131,2
125					75,09	76,82	79,69	78,52	82,18	83,31	82,83	83,66						132,8
160					73,61	73,44	75,81	76,18	77,34	78,32	79,46	80,79						129,4
200					72,69	70,76	71,98	73,87	73,59	74,19	75,75	77,19						125,9
250					71,34	71,12	71,45	73,17	71,76	73,41	74,85	75,74						124,9
315					74,87	74,29	73,54	74,93	76,55	77,91	79,18	80,67						129,2
400					79,25	78,39	76,11	79,58	81,11	81,70	83,58	85,48						133,7
500					78,03	78,49	80,73	80,68	81,71	81,98	83,70	85,66						134,3
630					79,04	77,28	79,29	79,31	79,14	79,86	81,17	82,54						132,1
800					76,34	76,83	75,68	76,29	77,45	78,77	81,37	83,19						138,7
1000					79,72	80,79	81,93	81,95	82,88	81,86	82,61	83,29						134,4
1250					91,25	91,84	91,62	90,43	91,28	88,71	86,78	85,43						148,7
1600					95,73	94,27	99,86	96,16	93,58	91,63	93,57	89,27						147,8
2000					92,48	93,82	94,62	94,49	94,94	92,91	89,79	87,37						146,5
2500					81,37	85,28	87,41	87,39	85,68	85,18	85,76	83,54						138,7
3150					87,28	89,47	91,27	90,99	88,52	87,83	87,62	86,88						142,3
4000					88,13	90,19	89,12	90,27	88,54	87,16	85,18	85,19						141,9
5000					89,91	89,85	88,82	90,71	89,97	93,54	95,88	96,93						146,7
6300					85,95	86,88	86,23	87,96	86,58	87,44	87,33	87,67						141,5
8000					84,76	86,13	83,24	85,84	86,21	87,43	88,35	86,46						141,6
10000					84,41	85,10	84,66	87,89	86,72	88,33	90,68	89,22						144,2
RESULTANT DASPL					169,9	161,7	163,6	162,6	161,8	161,7	162,6	162,3						
CALCULATED DASPL					172,3	162,7	162,8	161,6	160,8	160,4	161,2	160,7						
DASPL					112,8	113,4	113,3	114,3	114,1	114,4	115,6	115,8						

OAPWL: 154,5

AMBIENT TEMP, 83,8F
WET-BULB TEMP, 66,8F
BAR. PRESS.RE 29.24
ABS. HUMIDITY .2,93

SCALE MODEL ACOUSTIC TEST P/O 8/28/69 R/C 9/5/69-3

PLENUM 5"3x3 SPECIMEN 7907

B106

RADIAL DISTANCE 15b

DATE: 9/ 5/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	,0	14,2	2,	42,5	4 ,2	2,	62,?	72,2	82,?	92,2	102,0	112,2	122,?	132,0	142,2	152,?	162,2	172,2	(PNL)
5?							-2,44	-,795	,8853	,8898	1,625	2,443	3,240	4,272					
63							-2,41	-,748	,8549	,2141	1,573	2,397	3,622	4,467					
8?							-2,38	-1,33	-1,17	-,232	1,592	2,749	3,791	4,716					
10?							-3,57	-2,58	-1,68	-,712	1,558	2,647	3,844	5,191					
12?							-3,96	-3,23	,4893	-,734	,9217	4,857	2,979	4,481					
16							-2,78	-2,38	-,778	,3913	1,549	2,531	3,665	5,803					
2							-,244	-1,56	-,381	,7223	1,251	1,895	3,434	4,841					
25							,1899	-,238	,8935	-,991	,5989	2,249	3,694	4,579					
3:5							-,5x9	-1,18	-1,93	-,536	1,264	2,441	3,713	5,281					
4?							-,749	-1,91	-1,76	-,318	1,288	1,883	3,679	5,923					
5??							-1,35	-1,88	,3468	,3216	1,328	1,681	3,318	5,277					
6??							-1,19	-,887	1,197	1,225	1,854	1,769	3,882	4,451					
8??							-,2?4	,2942	-1,02	-,326	,8257	2,146	4,752	3,576					
12??							-,545	,5727	1,714	1,725	1,864	1,642	2,387	3,275					
125?							2,822	3,486	3,183	1,996	2,778	,2758	-1,71	-3,88					
16 ?							2,448	,9451	5,730	2,833	,2618	-1,69	,2488	-4,25					
222?							,9658	1,886	4,699	2,575	3,823	,9928	-2,12	-4,54					
252?							-2,37	1,392	3,482	3,466	1,671	1,229	1,825	-,388					
315?							-,298	2,172	3,969	3,686	1,214	,5291	,3211	-1,22					
42??							1,479	3,551	2,453	3,618	1,891	,5158	-1,95	-1,46					
522?							-1,32	-1,39	-3,22	-,521	-1,27	2,381	4,649	5,804					
632?							,9531	1,484	,8312	2,556	1,179	2,243	1,927	2,271					
8???							,1974	1,529	-1,36	1,242	1,685	2,832	3,791	1,859					
12???							-1,83	-,739	-1,78	1,256	,8754	2,493	4,834	3,378					

B107

AMBIENT TEMP, 83.2F
WETBULB TEMP, 60.2F
BAR. PRESS.IN 29.24
ABS. HUMIDITY 12.93

SCALE MODE, ACOUSTIC TEST T/C 8/28/69 R/J 9/5/69-3

RUN #2 -0383 SPEED=7967

RADIAL DISTANCE 152

DATE: 9/25/69 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	2,0	10,2	20,2	30,2	40,2	50,2	60,2	70,2	80,2	90,2	100,0	110,2	120,0	130,0	140,2	150,2	160,2	170,0	(PWL)
50						75,36	75,89	76,81	77,63	78,79	79,05	79,95	80,83						130,8
63						74,49	76,47	77,01	76,84	78,12	79,05	80,58	81,51						130,2
80						75,11	75,75	75,92	76,84	78,79	79,72	80,70	82,17						130,6
100						74,41	75,55	76,95	78,47	79,61	80,44	81,69	82,99						131,4
125						75,45	77,42	79,87	79,13	80,75	84,31	84,47	83,28						133,5
160						73,54	74,36	76,14	77,16	78,27	79,47	80,67	82,66						130,2
200						72,33	71,79	72,73	74,82	74,16	74,57	75,96	77,1[illegible]						125,4
250						72,12	72,82	71,85	71,88	72,67	74,92	75,32	76,[illegible]						125,8
315						75,71	74,99	74,27	75,69	77,16	79,17	80,22	81,99						130,3
400						79,31	79,82	78,39	80,88	81,55	82,57	84,49	86,45						134,5
500						79,11	78,93	81,06	81,43	82,34	82,93	84,65	86,43						135,8
630						77,12	77,99	79,95	79,92	79,98	80,57	81,76	82,96						132,7
800						80,19	79,14	77,74	78,33	79,26	80,94	82,85	81,68						132,7
1000						82,68	84,85	88,67	85,43	84,38	84,13	83,85	84,73						137,7
1250						93,37	93,88	93,97	97,62	94,94	92,66	87,44	87,34						146,3
1600						97,72	99,53	102,9	97,39	97,65	93,36	94,29	89,46						150,8
2000						91,92	95,89	97,31	95,87	95,11	91,21	89,59	87,47						146,8
2500						83,08	87,01	87,96	87,07	85,55	85,32	87,89	85,57						139,4
3150						92,32	91,88	91,71	91,22	89,83	89,48	88,48	88,38						143,6
4000						92,29	92,47	89,39	89,86	89,38	88,29	86,52	86,29						143,8
5000						91,61	91,59	88,65	90,69	91,03	93,75	99,74	97,79						148,5
6300						87,53	88,84	87,19	86,42	87,89	89,15	89,78	89,88						143,1
8000						86,64	88,33	84,46	87,24	88,17	88,74	90,63	88,88						143,4
10000						86,65	87,58	84,89	88,21	88,63	90,38	91,83	91,88						145,7
MEASURED DASPL						122,5	104,4	105,8	104,2	103,7	102,6	104,8	103,4						
CALCULATED DASPL						121,9	103,6	105,3	103,3	102,8	101,2	103,2	101,8						
PNDB						114,6	116,2	117,7	115,1	115,2	115,0	118,2	116,8						

DAPWL: 156,4

AMBIENT TEMP. 83,20
WET-BULB TEMP. 68,20
BAR. PRESS OF 29,24
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/C 9/5/69-3

RUN#2 RCS#31 SPEED#8119

RADIAL DISTANCE 156

DATE: 9/25/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	16.0	24.0	32.0	40.0	52.0	60.0	72.0	80.0	90.0	100.0	110.0	122.0	132.0	140.0	150.0	168.0	170.0 (PWL)
50						-1,38	-,458	,4763	,8973	2,044	2,302	3,202	4,387					
63						-2,37	-,394	,1474	-,222	1,259	2,185	3,719	4,645					
80						-2,22	-1,38	-1,21	-,296	1,654	2,586	3,567	5,035					
120						-3,55	-2,41	-1,01	,5139	1,656	2,488	3,738	5,043					
125						-4,49	-2,53	-,673	-,812	,8086	4,367	4,522	3,257					
160						-2,92	-2,19	-,416	,6086	1,512	2,916	4,189	4,182					
200						-,417	-,965	-,223	1,251	1,411	1,813	3,269	4,435					
250						,0438	-,754	-,224	-,973	,6169	2,867	3,259	4,652					
315						-,798	-1,52	-2,24	-,88[illegible]	,6532	2,666	3,718	5,493					
400						-1,34	-1,64	-2,27	-,577	,8915	1,916	3,828	5,798					
500						-2,22	-2,18	-,855	,3288	1,229	1,822	3,535	5,319					
630						-1,55	-,708	1,248	1,214	1,277	1,865	3,859	4,261					
800						1,594	,5423	-,864	-,297	,6594	2,339	4,251	3,079					
1000						-,853	1,312	5,138	1,897	,8434	,5979	,3142	1,199					
1250						1,419	1,925	2,821	5,667	2,984	-1,29	-4,51	-4,61					
1600						1,377	3,191	6,535	,7503	1,305	-2,98	-2,85	-6,88					
2000						-,304	2,885	5,182	2,869	2,989	-,997	-2,61	-4,73					
2500						-1,56	2,373	3,327	2,428	,9154	,6845	2,451	,9348					
3150						1,866	3,224	3,259	2,549	1,180	,8256	-,171	-,274					
4000						2,572	4,751	1,682	2,136	1,658	,5658	-1,28	-1,42					
5000						-1,99	-1,41	-4,35	-2,31	-1,97	,7513	6,738	4,799					
6300						,5586	1,869	,2153	1,429	,9186	2,171	2,728	2,981					
8000						,2204	1,922	-1,95	,6321	1,758	2,334	4,222	1,673					
10000						-1,35	,1857	-2,51	,8133	1,227	2,602	4,425	3,603					

AMBIENT TEMP. 53.00
WET-BULB TEMP. 68.00
BAR. PRESS RE 29.24
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN#2 RUG#31 SPEED#8119

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RADIAL DISTANCE 150

DATE: 9/29/69

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	2.8	12.2	22.6	32.6	42.2	52.2	62.2	72.2	82.2	92.8	102.2	112.8	122.8	132.2	142.2	152.2	162.2	172.2	(PWL)
5.						76.23	76.77	77.44	78.41	79.36	80.21	80.84	82.89						138.9
63						75.19	76.53	77.32	77.69	79.16	80.25	81.43	82.89						131.2
80						75.01	76.53	77.19	78.57	79.94	80.71	81.59	83.36						131.6
125						74.77	76.28	77.98	79.37	80.38	81.32	82.61	83.94						132.3
125						75.29	76.17	80.35	82.19	80.84	83.15	84.49	83.94						133.5
160						74.99	76.89	77.45	78.52	78.96	80.76	82.35	81.75						131.5
200						72.79	72.12	72.63	74.26	74.43	74.92	76.63	77.89						126.9
250						73.94	72.89	72.84	72.82	73.59	75.89	75.80	78.14						126.7
315						77.29	76.23	75.64	76.79	78.42	79.84	81.19	83.28						131.4
400						82.63	80.12	84.21	81.46	82.58	83.72	85.76	87.41						139.7
500						79.98	79.99	82.19	82.99	82.96	83.88	85.73	87.39						136.1
630						83.27	82.88	81.65	81.63	81.64	82.55	83.29	84.48						135.8
800						92.81	92.17	91.66	89.78	90.89	87.63	85.79	84.58						142.1
1000						88.83	89.26	91.81	87.98	88.22	85.83	85.88	86.33						140.5
1250						95.89	96.88	96.48	95.89	91.57	89.43	90.38	90.34						146.5
1600						93.70	96.38	97.79	98.53	97.55	92.99	90.81	92.62						148.9
2000						92.29	97.22	94.48	93.75	93.65	87.87	86.12	87.62						145.9
2500						89.27	89.46	89.26	87.83	85.82	85.51	87.34	88.46						140.5
3150						98.44	92.14	94.19	92.45	90.44	88.89	86.92	88.19						144.4
4000						94.11	91.59	89.29	90.84	89.18	87.56	86.14	88.23						142.7
5000						92.14	91.52	90.34	94.41	92.81	94.87	100.5	92.98						149.2
6300						88.14	89.87	87.48	89.33	88.21	89.23	91.82	90.69						143.7
8000						86.20	87.59	84.64	87.93	87.82	88.89	90.16	87.82						143.8
10000						88.99	86.82	85.58	86.23	89.22	89.84	91.94	91.61						145.7
MEASURED OASPL						120.9	105.2	104.8	104.7	103.6	102.3	104.9	104.1						
CALCULATED OASPL						101.9	124.3	103.7	103.7	102.7	100.9	103.5	102.6						
PWRR						114.1	116.7	116.4	116.4	115.5	115.1	118.7	117.4						

OAPWL: 156.4

AMBIENT TEMP. 83.22
WET-BULB TEMP. 68.80
BAR. PRESS.RG 29.24
ABS. HUMIDITY 42.93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN 52 HUG052 SPEEDM8343

B110

RADIAL DISTANCE 15'

DATE: 9/5/69

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0	150.0	165.0	180.0 (DEG).
50	-1,45	-,966	-,236	,7317	1,879	2,926	3,181	4,414				
63	-2,02	-1,29	-,496	-,128	1,338	2,435	3,616	5,073				
80	-2,39	-1,69	-1,43	,3453	1,717	2,486	3,319	5,138				
100	-4,46	-2,98	-,882	,5133	1,719	2,457	3,792	5,277				
125	-4,78	-1,81	,8743	,2142	,8592	3,168	4,913	3,959				
160	-3,28	-1,79	-,419	,6944	1,285	2,892	4,482	3,883				
200	-,414	-1,17	-,373	1,858	1,227	1,714	3,423	4,086				
250	,9339	-,719	-,171	-,984	,5922	2,288	2,887	5,131				
315	-,117	-1,38	-1,97	-,825	,8857	2,821	3,972	5,664				
400	-1,18	-1,69	-1,61	-,349	,7888	1,987	3,847	5,594				
500	-2,15	-2,13	,8973	,8248	,8322	1,754	3,698	5,264				
630	2,799	1,782	,6922	,6317	,6457	1,556	2,383	3,482				
800	2,774	4,157	3,859	1,765	2,077	-,387	-2,22	-3,44				
1000	,4947	2,938	4,688	1,649	1,882	-,583	-,457	-,887				
1250	3,887	3,971	4,272	2,883	-,648	-2,78	-1,83	-1,87				
1600	-,726	3,891	3,292	4,241	3,853	-1,58	-4,48	-1,87				
2000	,7884	5,983	3,283	2,489	2,333	-3,45	-3,19	-3,69				
2500	,7817	3,674	3,474	2,244	,2367	-,281	1,553	,8892				
3150	,9785	2,679	4,729	2,982	,9784	-,568	-,546	-1,31				
4000	2,731	4,219	1,911	2,663	1,722	,1811	-1,22	-1,15				
5000	-3,61	-2,23	-3,41	,6633	-1,74	,3225	6,729	4,251				
6300	,5488	1,472	-,113	1,739	,6124	1,636	3,427	3,893				
8000	,3294	1,884	-1,35	1,939	1,828	2,182	4,173	1,029				
10000	-2,33	-,681	-1,83	,8122	1,884	1,628	4,525	4,193				

AMBIENT TEMP,	93,82
WET-BULB TEMP,	69,22
BAR, PRESSURE	29,24
ABS, HUMIDITY	12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

B/S 2 RCO-32 SPEED-8340

B111

RADIAL DISTANCE 152

DATE: 9/05/69

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.2	22.0	32.7	42.2	52.2	62.8	72.0	82.2	90.0	100.0	110.0	120.0	132.2	144.0	152.2	162.2	170.0	(PWL)
5?						76,36	76,83	78,19	78,76	80,88	80,79	81,83	82,89						131,6
63						75,77	77,19	78,43	78,46	80,13	81,15	82,41	83,65						132,8
8?						76,67	77,85	78,15	79,32	80,79	81,84	82,83	84,86						132,4
10?						75,93	77,19	78,85	80,18	81,45	82,44	83,81	85,88						133,4
125						75,77	77,47	79,22	80,37	81,65	82,63	83,84	85,86						133,6
16?						76,61	77,91	78,95	79,89	80,97	82,45	83,79	84,38						133,3
20?						73,12	72,31	73,53	74,77	75,19	75,51	77,25	79,28						127,6
25?						74,32	73,02	73,24	72,77	74,78	76,29	77,13	78,88						122,6
315						77,76	78,79	76,36	78,12	79,77	81,16	82,75	84,28						138,6
42?						81,85	80,87	81,33	82,85	83,87	85,36	86,77	88,42						136,9
52?						82,49	81,82	82,96	83,54	84,11	84,77	86,47	88,92						136,9
63?						86,93	82,98	83,13	83,81	84,63	84,37	83,85	89,23						136,8
80?						93,42	91,82	92,46	93,28	98,29	89,89	88,99	87,88						148,7
102?						87,49	80,46	91,72	89,83	88,36	88,27	86,93	87,99						141,3
125?						97,36	98,69	99,17	97,64	91,99	92,34	89,73	89,88						148,8
160?						91,99	94,36	95,86	93,73	94,16	93,89	87,79	88,17						148,8
202?						92,18	93,76	92,61	89,78	88,45	86,52	86,43	85,61						143,3
252?						87,82	89,48	90,86	88,48	86,43	86,16	86,35	86,89						141,3
315?						89,21	91,13	91,32	89,89	89,12	88,89	88,73	88,11						142,9
402?						89,86	91,86	88,97	89,41	89,85	88,13	86,54	86,29						142,6
502?						86,21	90,26	89,43	92,87	92,13	94,77	97,06	96,72						147,9
632?						86,24	86,81	87,85	89,59	89,39	91,17	92,36	92,36						144,7
800?						85,92	87,49	85,46	87,49	86,86	90,88	92,99	88,59						144,3
1002?						84,49	85,62	84,64	86,89	88,58	89,53	91,85	94,87						143,3
MEASURED OASPL						183,4	184,4	184,6	183,9	182,8	183,3	184,3	183,7						
CALCULATED OASPL						182,3	183,4	183,6	182,9	181,9	182,1	182,9	182,3						
PNDB						114,2	115,4	115,2	115,3	114,7	115,9	117,6	116,8						

OAPWL: 146,8

AMBIENT TEMP, 83,86
WET-BULB TEMP, 68,86
BAR. PRESSURE 29,84
ABS. HUMIDITY 12,93

SCALE MODEL ACOUSTIC TEST T/D 8/28/69 R/D 9/5/69-3

RUN 2 R.3.33 SPEED=8567

B112

RADIAL DISTANCE 150

DATE: 9/25/69 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-1.26	-1.51	-.143	.4342	1.739	2.456	3.488	4.548					
63						-2.09	-1.47	-.623	-.189	1.473	2.490	3.757	4.998					
80						-2.33	-1.35	-1.05	.1256	1.595	2.641	3.635	4.859					
100						-3.76	-2.69	-1.04	.2166	1.562	2.557	3.927	5.116					
125						-4.28	-2.55	-.819	.3429	1.624	2.604	3.822	5.037					
160						-3.66	-1.76	-.719	.2129	1.293	2.775	4.117	4.626					
200						-.843	-1.66	-.435	.8925	1.233	1.544	3.287	5.241					
250						.4352	-.269	-.648	-1.12	.8945	2.398	3.244	4.995					
315						-1.63	-1.99	-2.43	-.687	.9790	2.372	3.963	5.492					
400						-1.15	-2.14	-1.68	-.857	.8662	2.352	3.742	5.415					
500						-2.33	-2.81	-.869	.5837	1.881	1.735	3.435	5.484					
630						4.171	.2211	.3693	1.845	1.869	1.612	1.888	2.465					
800						3.857	1.461	2.963	3.717	.7407	.3354	-.562	-1.68					
1000						.3675	1.349	4.593	2.184	1.255	1.144	-.196	.8647					
1250						3.119	4.456	4.924	3.396	-2.25	-1.98	-4.51	-5.16					
1600						.6837	3.268	3.662	2.333	2.764	2.382	-3.59	-3.23					
2000						3.447	5.257	3.937	1.276	-.254	-2.18	-.268	-3.89					
2500						.4937	2.878	4.337	1.958	-.893	-.367	1.819	.3626					
3150						1.226	3.155	3.341	1.911	1.136	.9181	.7473	.1325					
4000						2.516	4.513	1.625	2.268	1.705	.7874	-.886	-1.85					
5000						-3.26	-2.11	-2.94	.4938	-.246	2.481	5.586	4.348					
6300						-.302	.1963	-.763	.9881	.7713	2.547	3.759	3.765					
8000						-1.34	.2343	-1.79	.2427	.8889	2.744	5.732	1.333					
10000						-2.48	-1.36	-2.34	-.295	1.593	2.549	4.863	4.085					

AMBIENT TEMP. 83.00
WET-BULB TEMP. 66.20
BAR. PRESSURE 29.64
ABS. HUMIDITY 12.93

SCALE MODEL ACOUSTIC TEST T/J 8/28/69 R/D 9/5/69-3

RUN=2 RDG=33 SPEED=8557

APPENDIX C

DATA FROM D/V III, IGV's NOMINAL

(REF. SECTION V)

RADIAL DISTANCE 25G

DATE: 2/ 1/72 PAGE: 1

SOUND PRESSURE LEVELS, REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	?,2	12,?	27,2	32,2	42,2	52,2	62,?	72,?	82,2	92,?	102,2	112,2	122,2	132,2	142,2	152,?	162,2	172,2	(PWL)
5?				48,25	64,21	64,51	62,89	62,88	63,54	65,22	64,88	67,39	56,62	66,26	66,29	72,57			123,4
63				63,88	62,26	72,73	62,88	62,26	63,54	71,44	64,25	68,42	64,25	66,14	62,59	72,13			124,8
8?				62,79	61,35	62,27	61,99	62,79	63,66	65,27	65,09	67,22	67,17	66,83	69,31	69,25			123,3
12?				65,79	64,66	63,92	64,22	63,77	64,78	65,27	66,29	67,82	69,99	67,44	68,91	69,32			124,3
125				64,41	65,96	63,25	63,62	64,89	64,88	66,32	66,52	67,64	67,95	68,65	69,21	69,99			124,5
16?				62,76	62,76	64,97	64,68	64,54	64,78	67,18	66,91	69,19	67,85	68,45	68,41	67,82			124,6
22?				63,46	61,34	63,64	61,59	63,16	63,28	66,29	64,78	65,86	65,66	67,12	67,54	65,52			122,9
25?				62,33	58,22	59,32	56,67	60,33	62,16	62,65	61,28	62,55	60,52	63,54	65,28	63,15			119,6
31?				64,43	63,56	64,76	62,82	63,39	61,19	64,44	62,71	64,89	63,13	65,13	64,12	64,77			121,6
4??				62,46	62,32	64,68	62,35	62,22	63,27	63,28	63,11	64,38	65,9?	66,99	65,42	63,56			122,4
5??				66,79	66,82	68,39	66,89	67,74	67,32	67,54	67,94	68,78	68,94	72,65	69,18	64,99			126,5
63?				72,79	72,68	71,27	71,69	71,21	70,85	70,98	71,18	72,75	71,96	73,13	72,75	72,26			128,2
8??				71,28	73,39	69,93	71,82	69,76	68,68	71,24	69,79	71,79	72,81	71,23	71,98	71,57			129,7
12??				72,12	72,43	74,12	72,89	70,11	69,85	70,49	69,72	73,03	71,12	73,83	71,56	68,13			132,7
125?				75,31	79,58	77,83	77,71	75,17	75,88	74,71	75,32	76,65	77,61	78,24	75,51	71,22			135,7
16??				75,68	78,88	76,13	75,33	72,83	73,22	71,28	73,41	74,22	75,79	76,28	74,48	72,62			134,3
22??				73,88	78,85	77,95	76,82	73,32	76,28	73,38	74,67	75,32	76,67	78,97	74,26	73,15			135,5
25??				74,59	76,17	76,74	73,11	75,49	71,64	76,97	75,74	76,91	74,21	76,28	72,75	72,49			135,1
31??				83,63	82,18	82,94	84,?7	83,83	81,55	85,52	86,52	89,04	84,34	79,37	81,68	75,94			144,5
4???				78,42	78,21	74,88	78,45	74,88	76,27	76,93	78,84	82,83	79,91	78,57	77,29	69,64			138,6
5???				75,38	77,73	76,14	76,11	73,49	74,24	74,81	75,52	77,83	79,82	82,69	73,37	71,09			137,7
63??				78,29	78,32	80,44	75,75	77,22	73,51	78,72	79,69	83,85	78,69	82,51	76,73	74,14			141,2
8???				74,13	73,22	77,09	73,34	71,21	71,95	71,81	73,19	74,68	75,87	74,96	72,36	69,82			136,9
12???				73,18	74,71	71,62	72,54	72,88	71,16	71,48	73,11	74,52	75,23	74,99	72,97	67,18			138,6
MEASURED BASP.				87,34	86,64	86,49	87,26	86,54	85,41	88,04	89,09	91,46	88,56	87,7?	85,62	81,78			
CALCULATED BASP.				88,27	88,55	88,38	88,29	87,33	86,61	88,69	89,48	91,75	89,36	89,04	87,19	84,67			
PWL				123,5	122,4	122,4	123,7	123,2	121,8	124,4	125,2	127,4	124,6	123,8	122,4	98,57			

OAPWL: 149,3

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 24.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/72 R/D 1/30/72-3

RUN=11 RDS=81 SPEED=5007

RADIAL DISTANCE 250

DATE: 2/21/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				2,456	-1,37	-1,88	-2,72	-2,75	-2,45	-,565	-,789	1,821	1,329	,6744	2,522	4,982			
63				-3,28	-4,71	3,769	-4,89	-4,99	-3,42	4,674	-2,91	1,439	-,915	-,828	1,632	3,163			
80				-2,62	-4,24	-3,12	-3,39	-2,62	-1,73	-,117	-,301	1,815	1,788	2,646	4,225	3,663			
100				-,419	-1,55	-2,29	-1,99	-2,44	-1,43	-,948	,7785	1,612	2,779	1,235	2,697	3,115			
125				-1,93	-,381	-3,89	-2,72	-1,45	-1,46	-,218	,1795	1,299	1,695	2,312	2,863	3,854			
160				-2,58	-3,56	-1,37	-1,66	-1,89	-1,57	,8381	,5683	2,855	1,511	2,113	2,772	1,474			
200				-1,28	-3,19	-,893	-2,93	-1,38	-1,53	1,751	,2394	1,326	1,128	2,589	3,906	,9818			
250				-,812	-3,12	-1,83	-4,47	-,809	-1,84	1,511	,1401	1,412	-,638	2,416	4,136	2,814			
315				1,421	,5492	1,748	-2,99	,3829	-1,82	1,429	-2,32	1,881	-,678	2,116	1,109	1,699			
400				-1,25	-1,39	,9724	-1,36	-1,44	-,437	-,433	-,598	,6737	2,292	3,281	1,694	-,166			
500				-,936	-,924	,6685	-,839	,8129	-,424	-,183	,2183	1,256	1,212	2,929	1,495	-2,73			
630				-,495	1,381	-,026	,3966	-,288	-1,25	-,317	-,112	1,460	,6686	1,934	1,455	-1,03			
800				,7813	2,612	-,651	,4379	-,822	-1,69	,6626	-,791	1,285	,2259	,6462	1,324	,9987			
1000				-1,38	,9434	2,636	1,484	-1,37	-1,84	-,987	-1,77	1,565	1,616	2,358	,2288	-3,35			
1250				-,933	3,337	1,589	1,469	-1,87	-,363	-1,53	-,921	,4855	1,571	1,999	-,734	-5,22			
1600				1,859	4,229	1,514	,7128	-1,79	,4831	-3,33	-1,21	-,599	1,176	1,065	-,139	-2,21			
2000				-1,71	3,262	2,357	,4291	-2,27	,4189	-2,21	-,922	-,565	1,276	3,385	-1,33	-2,44			
2500				-,316	1,278	1,839	-1,79	,5924	-3,26	2,266	,3362	2,085	-,695	1,377	-2,19	-2,41			
3150				-,352	-3,79	-3,24	,2918	-,152	-2,43	1,541	2,542	5,859	,3558	-4,61	-2,29	-8,24			
4000				,8884	,6816	-3,47	,9238	-2,65	-1,26	-,596	1,311	3,382	2,378	1,836	-,431	-7,69			
5000				-,851	,499	-,896	-,123	-2,74	,3283	-1,42	-,728	,7995	3,782	4,461	-2,86	-4,54			
6300				-,329	-,277	1,842	-2,85	-1,38	-5,69	,1254	1,897	4,492	,8957	1,912	-1,86	-3,43			
8000				1,147	,8225	1,122	,3685	-1,76	-1,83	-1,97	,2278	1,498	2,891	1,978	-,670	-3,16			
10000				,7186	2,251	-,541	-,927	-1,58	-1,31	-,983	,6316	2,857	2,567	2,534	-1,49	-5,28			

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAN FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/77 R/D 1/30/78-3

RUN=11 ROO=81 SPEED=5000

RADIAL DISTANCE 25'

DATE: 2/ 1/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				69.28	66.42	66.89	65.16	65.49	65.99	66.61	67.18	69.19	68.87	69.33	72.09	73.24			125.6
63				65.62	63.21	71.29	63.82	64.29	64.72	71.87	66.29	69.72	68.17	68.51	71.69	72.51			126.2
80				63.73	63.16	63.99	63.56	64.51	65.50	66.23	64.77	68.31	68.48	69.76	71.28	72.83			125.8
100				65.33	65.45	65.42	65.08	66.16	67.15	67.68	69.42	70.83	70.62	71.92	73.18	73.46			126.9
125				65.32	66.39	64.53	65.34	66.16	66.42	68.24	68.56	69.53	69.98	70.89	71.83	72.66			126.5
160				63.84	63.49	64.24	64.39	66.37	66.58	67.94	68.12	69.53	69.84	72.72	72.88	70.44			125.9
200				65.45	63.73	65.14	63.84	67.25	66.29	68.69	67.92	68.67	69.27	71.88	72.74	68.18			126.8
250				61.71	58.84	59.82	57.94	60.99	61.29	62.69	63.27	63.56	64.87	64.42	66.82	65.12			120.7
315				64.39	63.64	65.86	60.35	63.35	61.83	64.59	61.72	64.24	63.91	65.37	65.66	65.17			121.9
400				63.71	64.37	66.85	63.63	63.82	64.51	64.85	63.69	65.43	67.86	68.84	67.47	66.63			124.1
500				67.97	68.55	72.11	68.42	69.36	69.33	68.68	69.29	70.12	70.61	72.65	71.26	66.46			126.2
630				72.47	74.28	73.29	72.89	72.85	72.25	72.57	72.77	74.71	74.29	75.12	74.39	71.22			131.9
800				73.28	75.59	72.29	72.44	71.65	70.83	73.36	72.82	74.23	73.92	73.95	73.58	73.19			131.8
1000				71.74	74.92	74.27	73.39	70.89	72.85	71.49	71.88	73.23	73.62	73.78	72.87	70.52			131.5
1250				75.99	80.47	79.55	79.23	76.76	77.24	76.33	76.54	78.44	78.48	80.83	78.34	71.67			137.2
1600				77.93	81.46	78.77	77.88	75.48	77.67	74.68	76.84	77.16	78.43	78.52	76.07	74.36			136.9
2000				75.17	82.25	80.25	77.87	75.27	77.71	75.89	76.62	77.89	78.63	81.12	74.69	74.52			137.4
2500				76.28	78.73	79.14	75.88	77.28	73.57	79.26	77.75	78.65	75.81	78.02	73.18	74.02			137.1
3150				84.69	82.25	80.21	84.27	85.75	82.76	85.56	85.81	89.21	87.66	82.74	82.27	75.53			145.4
4000				82.11	81.59	77.49	83.68	81.77	81.85	82.13	83.58	86.23	85.49	82.16	80.52	73.29			143.5
5000				76.72	79.69	78.15	78.77	75.89	79.66	78.23	78.82	79.94	82.36	82.11	73.89	73.73			140.2
6300				78.77	78.52	82.72	77.38	77.43	75.83	79.81	81.34	83.68	86.74	82.87	76.66	76.19			141.8
8000				77.55	77.23	77.39	76.95	74.11	74.59	74.85	77.83	79.48	80.46	77.43	75.53	73.19			140.8
10000				74.16	75.31	73.29	73.32	72.45	72.56	72.76	75.33	75.92	76.23	76.27	72.04	68.66			139.9
MEASURED OASPL				92.39	91.32	92.32	91.26	90.28	89.71	90.77	91.36	93.80	92.89	91.75	89.69	87.85			
CALCULATED OASPL				89.72	90.47	89.47	90.87	89.64	89.87	90.14	90.85	93.18	92.56	91.11	88.67	86.24			
DIFF				124.8	124.4	123.1	125.7	125.1	123.6	125.5	125.9	126.4	125.6	125.2	123.5	99.49			
																		OAPWL	151.5

AMBIENT TEMP, 34.49
ATMOS. TEMP, 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 2B + 5C T/O 1/22/77 B/O 1/32/77+3

RUN#11 RIG#82 SPEED=5500

RADIAL DISTANCE 252

DATE: 2/[illegible]/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	178.8 (PWL)
52				-.382	-1.45	-.986	-2.71	-2.38	-1.88	-1.27	-.695	1.311	.9965	1.456	3.272	5.184			
63				-3.29	-5.12	2.779	-4.49	-4.81	-3.59	3.564	-2.21	1.416	-.132	.2767	2.788	4.264			
80				-3.31	-3.88	-3.85	-3.48	-2.53	-1.94	-.911	-.272	1.263	1.429	2.717	4.157	4.982			
100				-3.56	-3.47	-3.52	-3.44	-2.76	-1.77	-1.24	.4964	1.116	1.686	3.886	4.257	4.539			
125				-3.21	-1.92	-3.78	-2.47	-2.15	-1.89	-.286	.2548	1.225	1.674	2.579	3.519	4.351			
160				-3.67	-4.23	-3.66	-3.33	-1.42	-1.14	.2133	.3923	1.889	2.114	2.994	3.158	2.739			
200				-2.22	-3.92	-2.52	-3.82	-.399	-1.35	.9587	.2488	1.814	1.619	3.431	3.291	1.525			
252				-.585	-3.45	-2.49	-4.35	-1.29	-.993	.4367	.9816	1.294	-.428	2.128	4.526	2.828			
315				1.805	.2493	1.668	-3.84	-.839	-2.36	1.281	-1.67	.8589	-.384	1.983	2.264	1.975			
400				-1.69	-1.22	1.440	-1.76	-1.57	-.876	-.545	-1.71	.8368	2.464	3.451	2.278	1.256			
500				-1.41	-.922	.7439	-.987	-.888	-.838	-.692	-.276	.7382	1.237	3.283	1.891	-2.91			
630				-.582	1.233	.8428	-.199	-.288	-.882	-.481	-.282	1.657	1.241	2.872	1.539	-2.83			
800				.5456	2.857	-.446	-.284	-1.86	-1.91	.6318	-.713	1.592	.7895	1.219	.7741	.4384			
1000				-.471	1.811	2.968	1.176	-1.31	-1.36	-.711	-1.21	1.016	1.411	1.971	.6992	-1.69			
1250				-1.72	2.752	1.836	1.519	-.995	-.479	-1.39	-1.17	.7426	1.763	2.316	-1.38	-4.64			
1600				.6976	4.238	1.534	.5731	-1.75	.4347	-2.63	-.396	-.872	1.195	1.269	-1.17	-2.87			
2000				-2.27	2.889	2.614	.4338	-2.37	.2729	-1.95	-.838	-.384	1.188	3.484	-2.75	-2.92			
2500				-.585	1.866	2.282	-1.78	.4213	-3.29	2.484	.8858	1.788	-1.85	1.163	-3.68	-2.84			
3150				-.165	-2.61	-4.65	1.884	.8923	-2.89	.6954	.9465	4.149	2.796	-2.12	-2.59	-9.33			
4000				-.327	-.832	-4.93	1.257	-.652	-1.37	-.287	1.159	3.899	3.877	-.202	-1.79	-9.12			
5000				-2.27	.8977	-.645	-.222	-2.89	.8629	-.561	.8117	1.149	3.567	3.316	-4.98	-5.26			
6300				-.626	-.885	1.323	-2.82	-1.97	-3.57	-.386	1.941	4.264	1.337	1.468	-2.79	-3.21			
8000				.7762	.2744	.4138	.1713	-2.64	-2.18	-1.93	.8542	2.783	3.479	.6532	-1.25	-3.58			
10000				.3469	1.496	-.721	-.492	-1.37	-1.25	-1.85	1.514	2.184	2.219	2.456	-1.77	-5.15			

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 29.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B - SC T/D 1/27/77 H/D 1/30/70-3

RUN=11 RDR=82 SPEED=5537

RADIAL DISTANCE 25%

DATE: 2/ 1/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.8	(PWL)
FREQ:																			
50				58.29	66.43	66.21	65.54	65.65	66.66	67.59	68.64	69.47	70.23	69.85	72.91	74.88			127.6
63				65.61	65.21	71.21	65.29	65.44	66.57	72.28	68.22	72.39	69.86	72.24	73.33	75.25			128.5
80				64.27	64.44	65.13	65.28	65.66	67.78	68.88	68.26	69.91	70.46	70.91	72.91	73.66			127.6
100				65.88	65.43	65.54	66.68	67.27	68.16	70.21	71.65	73.39	74.48	74.79	75.54	75.17			136.4
125				65.88	67.25	65.44	67.83	67.59	67.48	68.85	69.69	70.79	71.37	72.41	73.63	74.72			128.8
160				64.90	64.19	64.59	65.36	66.93	67.47	68.85	69.35	70.73	71.27	71.92	72.11	71.61			128.1
200				67.92	64.43	64.55	66.16	67.26	67.72	69.68	68.69	72.15	72.23	72.88	71.95	70.17			128.4
250				92.53	90.63	59.29	90.27	61.27	61.68	62.82	63.66	64.12	82.85	65.11	67.15	69.12			145.8
315				64.68	63.55	65.11	62.72	63.39	61.12	66.29	62.35	64.59	64.84	66.28	67.24	66.51			135.3
400				65.29	64.87	66.28	65.67	64.79	65.61	65.22	64.18	66.61	68.73	70.15	69.52	67.61			126.2
500				68.50	69.29	70.81	69.91	69.92	72.14	69.39	72.49	71.26	71.76	74.28	73.27	68.59			132.3
630				73.41	74.88	74.15	77.29	73.39	73.47	73.54	73.65	75.56	75.04	76.01	75.55	72.42			134.3
800				74.74	74.69	72.83	72.51	72.85	71.45	74.81	72.55	74.44	73.48	74.82	73.49	73.38			133.3
1000				72.84	74.64	74.99	73.99	71.54	71.12	72.89	71.49	74.81	74.12	75.19	72.93	70.88			133.1
1250				76.18	82.77	82.94	80.89	77.82	78.29	77.78	77.75	79.48	80.51	81.29	77.46	73.65			139.3
1600				79.36	82.45	79.38	82.37	76.44	78.62	75.32	77.52	77.71	79.18	79.19	76.37	74.83			138.9
2000				75.73	80.74	81.36	*****	76.41	79.23	76.84	77.44	77.83	83.39	82.82	75.28	75.71			139.6
2500				77.66	79.61	79.98	75.89	78.76	74.79	80.11	78.52	79.28	76.68	78.92	73.23	74.81			138.9
3150				82.17	82.25	79.59	81.21	81.35	84.16	83.56	84.82	87.18	83.16	80.26	79.58	73.34			141.4
4000				95.34	96.19	93.58	87.39	84.38	86.96	88.56	88.24	94.85	89.73	86.31	85.61	76.85			149.9
5000				77.77	80.68	79.17	79.41	77.61	79.89	79.18	80.26	81.82	82.91	83.73	74.41	74.22			142.3
6300				78.65	78.85	80.61	77.83	78.41	76.34	79.38	81.71	83.89	79.65	81.69	75.17	75.58			142.8
8000				82.94	79.11	82.21	79.83	78.17	77.52	78.14	83.28	88.95	82.25	79.92	77.39	75.24			144.7
10000				76.19	76.45	73.66	73.93	77.27	73.36	73.92	75.72	76.99	78.26	77.28	71.73	69.62			142.4
MEASURE OASPL				91.43	92.45	91.46	91.83	90.31	91.16	92.23	92.74	95.98	93.74	92.89	94.43	88.84			
CALCULATED OASPL				92.84	91.73	90.88	92.29	91.04	90.71	92.22	92.53	96.11	93.69	92.48	90.82	87.46			
SIDE				125.7	126.6	114.9	126.3	124.9	126.2	127.6	127.8	111.8	109.1	127.4	125.5	100.7			

OAPWL: 162.2

AMBIENT TEMP, 34.49
AFTER TEMP, 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/77 S/D 1/31/77e3

RUN11 RIG#3 SPEED=5750

RADIAL DISTANCE 250

DATE: 2/ 1/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				-,533	-3,39	-3,61	-4,28	124,7	-3,16	-2,23	-1,18	-,349	,2286	,2345	3,293	5,856			
63				-5,22	-5,64	,5621	-5,36	-5,15	-4,24	1,631	-2,65	-,252	-,789	-,485	2,679	4,597			
80				-5,33	-5,16	-4,46	-4,39	-3,94	-2,52	-1,51	-1,33	,3192	,6888	1,317	3,316	4,865			
100				-6,43	-6,88	-6,78	-5,63	-5,24	-4,15	-2,17	-,561	1,279	2,171	2,389	3,224	2,856			
125				-4,81	-3,64	-5,25	-3,66	-3,12	-3,21	-1,84	-1,42	,1838	,4794	1,723	2,941	4,827			
160				-4,89	-5,61	-5,21	-4,44	-2,87	-2,33	-,953	-,411	,9342	1,273	2,181	2,313	1,885			
200				-2,69	-5,59	-3,47	-3,86	-2,76	-2,31	-,334	,1,33	,1294	2,211	1,984	1,[illegible]5	,1524			
250				-24,8	-28,7	-28,2	-29,8	-26,2	-25,7	-24,5	-23,6	-23,2	-24,5	-22,2	-28,2	-22,2			
315				-2,25	-3,17	-1,46	-6,81	-3,33	-5,61	-2,43	-4,38	-2,14	-2,89	-,452	,5124	-,218			
400				-2,27	-2,68	,7255	-1,88	-2,75	-1,94	-2,55	124,6	-,942	1,183	2,598	1,973	,8023			
500				-2,98	-2,42	-,727	-1,81	-1,81	-1,37	-2,12	-1,82	-,258	,2488	2,769	1,552	-2,92			
630				-1,93	-,447	-1,17	1,969	-1,94	-1,85	-1,79	-1,68	,2317	-,285	,6823	,2186	-2,98			
800				,9823	2,334	-2,33	-1,85	-2,11	-2,51	-,149	-1,81	,2748	-,683	-,141	-,638	-,779			
1000				-1,87	,7922	1,152	,1443	-2,37	-2,72	-1,75	-2,35	,1667	,2792	1,354	-,919	-3,84			
1250				-3,64	,9437	1,116	1,284	-2,81	-1,53	-2,13	-2,88	-,421	,6862	1,469	-2,37	-4,18			
1600				,1725	3,268	,1946	1,188	-2,75	-,572	-3,87	-1,69	-1,48	-,812	,2887	-3,12	-4,36			
2000				-3,93	1,287	1,796	-----	-3,25	-,431	-2,81	-2,21	-1,83	3,736	2,362	-4,37	-3,94			
2500				-1,85	,6623	1,234	-2,35	,8877	-3,96	1,356	-,234	,5327	-2,87	,1681	-5,52	-3,94			
3150				-18,7	-22,6	-21,2	-19,6	-19,5	-22,7	-17,3	-16,8	-13,7	-17,7	-22,8	-21,3	-27,5			
4000				-3,54	-2,68	-5,38	-1,49	-4,58	-1,91	-,323	-,637	5,173	,8525	-2,57	-3,27	-12,2			
5000				-3,12	-,219	-1,72	-1,48	-3,28	-1,28	-1,71	-,635	,8892	2,818	2,837	-6,48	-4,68			
6300				-1,69	- 49	,2668	-3,31	-1,93	-3,99	-,996	1,366	2,748	-,686	1,262	-5,17	-4,76			
8000				2,242	-1,59	-,487	-,866	-4,53	-3,18	-2,56	2,385	,2463	1,549	-,796	-3,29	-8,46			
10000				-,231	,2208	-2,37	-2,29	,8368	-2,87	-2,31	-,587	,7642	2,229	1,852	-4,49	-6,57			

AMBIENT TEMP, 34.49
WET-BULB TEMP, 31.49
BAR. PRESS RR 24.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/72 R/D 1/32/78-3

RUN=11 RC1=A3 SPEED=5757

RADIAL DISTANCE 250

DATE: 2/22/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 7.8	12.8	27.7	32.7	42.8	52.7	62.8	72.7	82.9	92.8	102.7	112.8	122.8	132.7	142.8	152.7	162.8	172.8	(PWL)
50								72.51	67.39	66.99	66.54	67.11	67.24	67.76	69.19	72.28	78.73	71.26	73.59	76.33	127,5
63								66.93	65.64	71.56	66.82	66.77	67.48	72.57	69.18	71.34	71.28	72.81	74.58	76.39	128,5
80								65.98	65.54	66.29	66.32	67.11	68.24	68.93	69.41	72.85	71.56	72.61	74.62	75.67	127,9
100								67.66	67.56	68.45	69.38	68.42	69.57	71.49	72.61	73.52	75.29	76.19	77.47	77.38	130,7
125								67.21	68.11	66.11	67.82	67.89	68.38	70.82	70.82	71.85	72.58	73.74	75.25	76.33	128,1
160								65.88	65.43	65.63	66.24	66.49	68.58	69.75	70.11	71.75	71.74	72.94	73.58	73.21	126,1
200								66.41	65.63	68.92	66.16	70.58	68.59	69.75	70.86	72.39	72.82	72.26	72.95	72.64	128,1
250								62.39	60.12	59.89	58.99	62.02	62.62	63.66	64.59	64.36	63.35	66.38	69.11	66.51	122,2
315								64.89	65.41	66.89	61.66	63.65	61.75	65.12	63.28	65.83	65.57	67.39	68.42	67.17	123,4
400								66.92	67.83	69.23	66.14	65.53	66.62	66.38	66.83	68.18	70.75	71.75	70.31	68.59	126,7
500								72.49	70.94	71.91	71.23	71.83	71.53	71.82	71.75	72.76	73.38	75.94	73.94	69.33	130,7
630								74.59	76.26	75.41	75.27	74.27	74.82	75.38	74.79	76.33	76.32	77.42	76.74	73.82	134,2
800								75.24	77.57	74.17	73.96	73.36	72.66	74.97	73.56	75.11	74.17	75.28	75.31	74.71	133,3
1000								73.45	75.76	76.15	75.15	72.67	73.24	74.28	73.48	76.67	77.19	76.89	74.52	72.26	133,9
1250								78.58	82.69	81.65	81.57	78.88	79.87	78.83	78.97	80.49	82.21	82.64	78.57	74.24	139,6
1600								79.32	83.83	81.43	82.81	78.18	80.69	76.67	78.91	78.68	80.46	80.87	77.71	76.87	139,2
2000								77.57	82.83	82.94	81.21	78.65	80.87	78.17	78.95	79.33	81.26	83.71	76.31	76.94	140,1
2500								78.81	80.78	81.90	78.16	80.43	76.50	81.77	80.37	80.98	78.28	80.56	74.79	76.44	139,6
3150								82.49	79.95	79.76	81.62	82.61	79.59	83.52	85.82	86.66	82.72	79.95	76.21	73.87	142,8
4000								87.93	88.33	83.83	89.87	86.12	89.08	86.76	93.32	94.89	98.92	86.98	85.69	78.34	150,6
5000								78.95	81.67	82.12	82.88	79.51	81.21	81.45	81.89	82.49	84.13	84.22	75.79	75.48	142,5
6300								79.71	79.77	81.97	79.17	81.22	78.68	83.29	83.94	84.88	81.66	82.85	76.68	76.90	143,8
8000								82.95	78.98	80.82	80.48	78.56	78.93	77.79	80.93	81.51	83.69	81.29	77.52	75.34	142,9
10000								76.11	77.79	74.63	74.23	73.86	74.75	74.57	76.62	78.56	80.93	79.11	74.25	70.21	142,9
MEASURED OASPL								92.33	93.81	92.63	93.32	91.84	92.77	92.62	95.61	96.86	94.98	94.25	91.64	90.17	
CALCULATED OASPL								91.87	93.11	91.93	92.79	91.37	92.38	92.23	95.49	96.91	94.68	93.54	90.79	88.72	
DB								107.4	108.2	105.9	108.2	106.5	108.0	107.3	111.2	112.6	110.2	108.3	106.8	101.9	

OAPWL: 154,3

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAA FAN/TC PRESSN - PHASE 3B ± 5C. M/D 1/27/77. R/D 1/31/78-3

BLN=11 RUN=84 SPEED=6230

C8

RADIAL DISTANCE 252

DATE: 2/ 2/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	7.2	12.2	27.2	32.2	47.2	52.2	67.2	72.2	87.2	92.2	107.2	112.2	127.2	132.2	147.2	152.2	167.2	172.2 (PWL)
50				,7431	-2,37	-2,77	-3,22	-2,66	-2,52	-2,81	-,582	,5146	,9622	1,493	3,825	6,567		
63				-3,71	-4,99	,9194	-4,62	-3,87	-3,16	1,938	-1,46	,7812	,4426	1,373	3,941	5,758		
80				-4,23	-4,47	-3,71	-3,69	-2,92	-1,77	-1,88	-,594	,8458	1,555	2,624	4,611	5,659		
100				-4,84	-4,74	-4,25	-3,32	-4,28	-3,13	-1,22	-,293	,8176	2,428	3,498	4,709	4,882		
125				-3,92	-2,81	-4,82	-3,19	-3,23	-2,55	-,985	-,103	,9235	1,652	2,813	4,326	5,427		
160				-3,92	-4,37	-4,17	-3,56	-3,39	-1,21	-,843	,3165	1,547	1,944	3,138	3,784	5,409		
200				-3,31	-4,89	-,885	-3,57	,8363	-1,14	,8264	,3337	,6608	1,893	2,932	3,222	2,912		
250				-1,32	-3,59	-3,81	-4,79	-3,68	-1,28	-,848	,8942	,6629	-,349	2,881	3,412	2,814		
315				,2742	,5992	1,274	-3,16	-1,17	-3,27	,3179	-1,73	,2171	,7534	2,583	3,606	2,355		
400				-1,28	-,957	1,245	-1,84	-2,45	-1,36	-1,1.	-1,15	,1946	2,767	3,793	2,528	,4132		
500				-1,83	-,974	-,981	-,688	-,984	-,383	-,892	-,162	,8461	1,471	4,826	2,229	-2,58		
630				-,614	,8522	,1963	,2577	-,948	-,384	,1728	-,421	1,12:	1,113	2,228	1,535	-1,41		
800				,7968	3,326	-,274	-,281	-,881	-1,58	,7297	-,681	,8672	-,876	1,335	1,272	,4667		
1000				-1,24	1,274	1,462	,4624	-2,22	-1,45	-,486	-1,28	1,978	2,584	2,223	-,169	-2,63		
1250				-1,54	2,573	1,939	1,456	-1,24	-,258	-1,29	-1,15	,9722	2,893	2,519	-1,55	-5,88		
1600				-,174	3,557	1,928	1,334	-,996	1,221	-2,81	-,563	-,793	,9798	1,398	-1,76	-2,67		
2000				-2,59	2,667	2,791	1,145	-1,51	,7764	-1,99	-1,21	-,836	1,896	3,551	-3,86	-3,22		
2500				-1,41	1,369	2,484	-1,25	1,219	-2,91	2,357	,9577	1,567	-1,13	1,142	-4,63	-2,97		
3150				,2968	-2,25	-2,44	-,588	,4266	-2,61	1,384	2,819	4,461	,5224	-2,25	-2,99	-8,32		
4000				-1,52	-1,12	-5,62	-,384	-3,33	-,367	-2,69	3,851	5,449	1,467	-2,47	-3,76	-11,1		
5000				-2,39	,6393	-,917	-,229	-1,52	-,028	,4143	,8629	1,453	3,295	2,987	-5,24	-5,55		
6300				-2,67	-1,81	,5931	-2,21	-,162	-2,78	1,915	2,558	3,498	,2815	1,471	-4,78	-4,48		
8000				1,228	-,938	,8869	,5612	-1,36	-,992	-2,12	1,711	1,595	3,780	1,179	-2,30	-4,58		
10000				-,235	1,448	-1,71	-2,11	-2,49	-1,59	-1,77	,2782	2,214	4,593	2,767	-2,88	-6,13		

AMBIENT TEMP, 34.49
WET-BULB TEMP, 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.984

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/77 R/D 1/33/78-3

RUN=11 R:P=84 SPEED=6000

SOUND PRESSURE LEVELS REFERENCE AT SPECIFIED DAY

	ANGLES FROM INLET															
	17.2	22.2	27.2	32.2	42.2	52.2	62.2	72.2	82.2	97.2	107.2	118.2	122.2	137.2	142.2	152.2	162.2	172.2	(PWL)
50				74.55	67.64	67.24	67.18	67.11	67.87	68.29	69.69	71.95	71.88	71.96	74.74	78.24			128.9
63				66.47	66.14	71.44	66.92	67.11	66.29	72.57	69.69	72.29	72.27	72.87	75.22	77.63			129.1
80				64.27	64.24	64.98	66.66	67.43	68.78	69.63	68.58	72.14	72.66	73.93	75.14	76.41			128.8
100				67.56	68.49	69.51	70.13	70.63	71.61	72.62	76.51	74.34	76.96	76.37	78.11	77.46			131.9
125				68.35	66.56	67.63	68.55	69.43	69.82	71.18	71.51	73.18	74.67	75.23	76.68	77.29			130.4
160				66.74	66.13	66.29	67.24	68.63	69.32	70.64	72.82	72.56	72.74	73.94	74.42	74.56			129.6
200				67.92	65.12	67.14	66.44	68.27	68.51	70.81	71.73	71.59	71.41	72.88	73.58	78.43			128.3
250				63.68	59.52	60.26	59.98	62.17	63.16	63.92	65.44	65.67	64.37	66.86	69.68	66.51			122.8
315				55.07	54.62	54.63	52.84	51.65	51.92	55.81	53.32	55.96	54.62	58.39	59.86	58.21			104.1
400				67.91	67.53	69.61	67.21	66.22	67.13	67.21	66.83	69.31	71.81	73.28	72.64	69.55			127.7
500				74.69	71.53	72.59	71.77	71.44	72.33	71.94	72.42	73.69	74.55	77.32	75.33	78.95			131.7
630				75.34	76.51	76.24	75.98	74.93	75.69	75.98	75.52	77.94	76.82	78.16	81.39	74.88			135.4
800				75.95	78.45	75.19	74.66	74.17	73.56	75.53	74.29	76.84	74.83	75.96	75.19	74.71			134.1
1000				74.43	76.23	75.91	75.81	73.85	73.22	73.87	73.65	76.34	76.25	77.51	74.51	72.82			133.9
1250				78.59	82.55	81.58	81.26	78.28	78.19	78.41	78.84	81.82	81.98	81.36	78.97	75.38			136.6
1600				80.65	83.91	81.59	80.99	78.59	82.58	77.27	79.26	79.39	80.89	81.45	77.42	76.69			139.6
2000				77.79	82.89	83.21	81.77	79.36	81.56	78.71	79.59	78.92	81.59	84.43	78.83	77.92			140.4
2500				78.89	81.27	82.15	78.43	81.29	77.38	82.46	82.86	81.78	78.79	81.19	74.84	77.19			140.2
3150				82.72	79.86	82.15	81.52	83.25	82.29	84.22	85.25	84.92	82.59	82.49	78.96	76.62			143.8
4000				87.69	88.38	84.96	89.91	88.73	90.85	90.54	93.31	91.65	89.54	88.29	84.66	79.63			150.4
5000				79.32	82.23	82.66	81.14	79.17	81.78	82.95	82.26	82.77	84.59	84.78	78.21	75.87			142.8
6300				79.37	81.31	82.91	78.91	81.39	79.86	83.25	84.47	83.34	82.74	84.85	77.87	77.62			144.4
8000				81.31	78.74	81.82	82.73	79.26	79.51	78.71	82.92	81.65	85.17	81.12	77.82	75.58			144.7
10000				76.59	77.54	74.74	74.48	73.98	74.46	74.93	77.75	78.62	84.19	79.64	74.39	70.78			143.6
MEASURED	DASH			92.59	94.25	93.11	93.73	92.95	93.49	94.19	95.92	95.84	94.69	94.92	91.91	91.89			
CALCULATED	DASH			91.69	93.42	92.41	93.29	92.55	93.12	93.87	95.78	95.41	94.73	94.36	91.13	89.52			
DIFF				127.2	128.4	126.7	128.8	129.1	128.8	129.5	111.5	118.9	189.8	189.3	185.8	182.8			

OAPWL 194.6

ANGLE OF ATTACK	39.29
STAGGER ANGLE	32.29
BLADE PASSING FREQ	29.99
MACH NUMBER	1.078

FAN FACILITY - PHASE 50 + 4 T/C 1/27/78 R/C 1/30/78-3

RUN	POINT	SPEED

C10

PARTIAL DISTANCE 25c

DATE: 2/ 1/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.8 (PWL)
52				-,171	-3,29	-3,49	-3,56	-3,63	-2,87	-2,65	-1,64	,8167	,9243	1,229	4,229	7,384		
63				-4,87	-5,15	,1691	-4,39	-4,18	-3,28	1,279	-1,59	,9968	,7748	1,512	3,928	6,342		
80				-4,77	-4,79	-3,85	-4,19	-3,42	-2,84	-1,21	-1,26	1,388	1,827	2,698	4,781	5,776		
100				-6,24	-5,36	-4,37	-3,75	-3,25	-2,27	-1,25	2,629	,4959	2,681	2,442	4,233	3,584		
125				-3,89	-3,69	-4,62	-3,69	-2,82	-2,43	-1,88	-,339	,9319	1,822	2,786	4,429	5,545		
160				-4,22	-4,65	-4,49	-3,54	-2,11	-1,46	-,141	,2421	1,781	1,961	3,166	3,648	3,821		
200				-1,99	-4,81	-2,77	-3,46	-1,65	-1,41	,8941	1,811	1,631	1,492	,968	3,662	,3878		
250				-,635	-4,81	-4,85	-4,33	-2,14	-1,15	-,388	1,129	1,355	,8636	2,551	5,335	2,283		
315				,3791	,5335	1,181	-3,45	-1,84	-3,59	-,475	-2,17	,8718	1,136	2,945	4,114	2,719		
400				-1,86	-1,43	,6416	-1,75	-2,76	-1,83	-1,75	-2,13	,3458	2,849	4,316	3,777	,5859		
500				-1,99	-1,36	-,293	-1,22	-1,44	-,555	-,945	-,472	,8814	1,667	4,415	2,443	-1,93		
630				-1,87	,6982	-,365	-,831	-1,18	-,721	-,428	-,893	1,129	,4295	1,747	4,977	-1,53		
800				,9998	3,497	,2446	-,387	-,782	-1,39	,5884	-,652	1,891	-,128	1,885	,3952	-,245		
1000				-,196	1,506	1,283	,3024	-1,57	-2,62	-,753	-,971	1,714	1,626	2,886	-,112	-2,63		
1250				-1,57	2,381	1,415	1,898	-1,08	-,782	-,756	-1,13	,8314	1,736	2,967	-1,19	-4,79		
1600				,6998	3,969	1,636	1,887	-1,37	,6301	-2,87	-,686	-,547	,9484	1,502	-2,93	-3,25		
2000				-2,87	2,234	2,542	1,189	-1,38	,8951	-1,95	-1,84	-,745	,9359	3,768	-3,74	-2,75		
2500				-1,12	1,263	2,148	-1,57	1,294	-2,71	2,492	,8529	-,777	-1,22	1,898	-5,17	-2,82		
3150				,2458	-2,82	-2,32	-,958	,5726	-2,38	1,739	2,778	4,427	,1148	-1,99	-3,52	-8,81		
4000				-2,18	-,972	-4,31	,6291	-,558	,7759	1,268	4,234	2,379	,2678	-1,83	-4,42	-9,64		
5000				-2,27	,8449	-,729	-,245	-2,21	,3898	-,434	,6788	1,382	3,211	3,395	-5,18	-5,51		
6300				-2,62	-,684	,9156	-3,86	-,684	-2,14	1,252	2,472	3,339	,7496	2,284	-4,93	-4,38		
8000				,6592	-,914	,4191	,8858	-1,59	-1,14	-1,94	1,675	,9968	4,517	,4914	-2,83	-5,85		
10000				-1,12	,2729	-2,74	-3,87	-3,49	-3,21	-2,54	,2715	1,147	6,719	2,163	-3,88	-6,77		

AMBIENT TEMP. 35.22
REF. TEMP. 32.00
BAR. PRESSURE 28.95
ABS. HUMIDITY 3,976

FAA FAN/COMPRESSOR - PHASE 5B + 5C 2/3 1/27/77 R/T 1/31/78-3

RUN=11 RED=85 SPEED=0280

RADIAL DISTANCE 25%

PAGE: 1

DATE: 2/ 1/77

SPL, PRESSURE LEVELS IN DECIBELS AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				77.41	69.59	69.57	69.17	69.83	69.94	72.34	72.33	74.49	73.97	74.19	74.87	80.23			131.1
63				75.24	68.64	72.19	68.44	68.91	69.89	73.44	72.24	74.29	74.35	74.93	75.98	79.53			131.2
80				72.79	67.39	68.52	68.32	69.31	73.17	73.88	71.45	74.37	74.88	75.47	77.27	78.35			136.7
100				72.89	73.22	72.45	72.99	73.41	73.66	73.13	73.47	75.39	76.77	78.68	79.59	79.57			133.1
125				71.53	69.46	68.51	72.28	71.66	71.51	72.37	73.23	74.81	75.72	78.99	78.39	80.33			132.2
162				69.89	67.53	67.47	68.54	69.87	70.51	71.65	72.24	74.26	74.31	75.39	76.39	76.58			130.6
200				69.27	66.51	66.98	67.88	69.12	69.44	71.43	71.28	72.42	73.89	73.98	75.56	73.25			129.8
252				65.78	61.69	61.12	61.79	63.78	64.48	65.89	66.53	66.71	66.54	68.48	71.57	69.97			124.6
315				67.27	68.25	67.46	62.85	64.47	62.89	65.98	64.59	66.43	68.14	70.71	71.89	76.35			125.7
400				69.27	68.29	72.26	67.61	67.28	68.14	68.22	68.61	70.77	73.24	75.23	73.91	71.69			129.1
500				71.92	72.27	73.62	72.53	72.62	73.19	73.32	73.71	75.55	76.15	78.52	76.56	72.22			132.9
630				76.61	77.29	77.58	76.75	76.19	77.22	77.86	77.17	78.94	78.69	82.82	79.18	76.61			136.4
800				76.88	78.28	76.43	75.77	75.31	74.93	76.77	75.84	77.16	76.43	77.83	77.88	77.11			135.3
1000				75.22	77.92	76.65	76.14	74.31	74.50	75.63	74.78	77.27	77.38	78.93	75.99	74.29			135.1
1250				79.51	82.79	82.12	81.22	79.38	82.12	79.74	82.46	82.31	83.84	83.95	79.72	76.29			142.4
1600				81.28	84.56	82.58	81.84	79.59	81.68	78.34	82.31	80.39	82.39	82.96	78.89	78.36			140.6
2000				78.62	83.42	83.72	81.86	79.75	81.81	79.69	82.47	81.36	82.82	85.49	77.49	78.41			141.4
2500				79.92	81.89	83.56	79.34	82.29	78.79	83.54	81.86	83.21	82.18	82.19	76.28	78.21			141.3
3150				83.21	82.21	82.47	82.13	83.79	82.93	85.17	85.95	88.86	83.89	82.99	79.83	75.26			143.9
4000				87.16	88.92	86.67	91.79	89.48	92.36	92.44	92.82	93.23	91.72	89.51	85.76	82.85			151.6
5000				82.89	83.23	81.79	82.66	82.62	83.46	82.81	83.54	84.34	84.39	85.65	79.86	77.59			144.3
6300				79.58	82.89	83.72	80.81	82.82	82.57	84.17	86.46	87.37	84.29	84.26	78.12	79.38			145.7
8000				82.58	79.62	81.23	81.43	88.23	82.83	81.91	82.25	83.46	85.21	83.53	77.78	76.86			145.5
10000				76.22	77.42	75.38	75.14	74.79	75.88	77.25	78.83	81.82	81.39	81.13	75.19	72.32			144.8
MEASURED OASPL				93.93	94.86	94.19	95.86	94.83	95.19	95.74	96.32	97.34	96.56	96.25	93.33	92.86			
CALCULATED OASPL				92.49	93.95	93.39	94.56	93.46	94.62	95.46	96.21	96.96	96.85	95.56	92.11	91.19			
D.I.				127.7	129.2	127.9	119.3	128.9	118.6	127.3	111.6	112.5	111.5	118.5	126.9	124.2			
																		OASPL:	157.5

AMBIENT TEMP, 35.22
WET-BULB TEMP, 32.00
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.926

FAA FAN/COMPRESSOR - PHASE 5B + SC. T/D 1/27/77 R/D 1/32/79=3

RUN=11 RPM=86 SPEED=6450

C12

RADIAL DISTANCE 250

DATE: 2/ 2/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				3,723	-3,73	-3,73	-4,13	-3,67	-3,36	-2,96	-,972	1,186	,6674	,8957	3,582	6,928		
63				1,942	-4,66	-1,12	-4,86	-4,39	-3,48	,1371	-1,26	,7734	1,250	1,628	3,681	6,227		
80				,2116	-5,38	-4,26	-4,46	-3,47	-2,59	-1,49	-1,12	1,299	2,145	2,691	4,498	5,971		
100				-2,91	-4,79	-4,55	-2,81	-1,59	-1,35	-1,88	-1,54	,3859	1,768	3,676	4,586	4,981		
125				-2,52	-4,57	-5,52	-3,75	-2,97	-2,52	-1,66	-1,22	,7757	1,669	2,957	4,392	6,295		
160				-2,48	-4,81	-4,89	-3,82	-2,49	-1,88	-,711	-,125	1,892	1,945	3,224	4,229	4,211		
200				-1,93	-4,72	-4,23	-3,33	-2,11	-1,77	,2261	,8763	1,289	2,878	2,774	4,355	2,642		
250				-,326	-4,42	-4,99	-4,31	-2,33	-1,63	-,217	,4278	,6869	,4486	2,371	5,468	3,865		
315				-,226	1,148	,3577	-4,25	-2,82	-4,21	-1,11	-2,51	-,865	1,839	3,615	4,792	3,255		
400				-1,39	-2,32	-,133	-2,78	-3,31	-2,26	-2,17	-1,78	,3786	2,844	4,835	3,515	1,303		
500				-2,22	-1,87	-,524	-1,62	-1,52	-,957	-,828	-,429	1,409	2,828	4,358	2,411	-1,93		
630				-,857	-,175	,1119	-,788	-1,27	-,443	,3989	-,292	1,475	1,233	2,541	1,718	-,848		
800				,6995	2,895	,2484	-,413	-,872	-1,66	,8838	-,561	,9755	,4427	,8494	,8989	,9249		
1000				-,629	2,769	,8217	,2915	-1,54	-1,33	-,822	-1,15	1,415	1,529	3,877	,1395	-1,76		
1250				-1,39	1,893	1,212	,3151	-1,53	-,781	-1,17	-,439	1,406	2,158	3,845	-1,18	-4,62		
1600				,1469	3,628	1,849	,9751	-1,35	,6654	-2,59	-,624	-,535	1,457	2,027	-2,85	-2,57		
2000				-2,61	2,968	2,289	,4519	-1,66	,4916	-1,73	-,739	-,251	1,484	4,837	-3,92	-2,81		
2500				-1,22	,7484	2,412	-1,81	1,139	-2,35	2,392	,7277	2,266	-,969	1,849	-5,67	-2,94		
3150				-,313	-3,12	-2,85	-1,19	,4589	-2,39	1,839	2,622	4,733	,5667	-2,33	-3,49	-8,23		
4000				-3,37	-1,68	-3,89	1,227	-1,24	1,831	1,915	2,297	2,786	1,195	-1,02	-4,77	-9,38		
5000				-2,73	,2765	-1,24	-,169	-2,22	,6385	-,215	,7184	1,512	3,567	2,828	-4,77	-5,23		
6300				-3,69	-2,39	,4423	-3,26	-,459	-2,78	,9203	3,188	4,896	1,823	,9934	-5,16	-3,89		
8000				-,894	-1,85	-,237	-,845	-1,24	-,698	,1362	,7762	1,991	3,538	2,862	-3,69	-4,61		
10000				-1,66	-,459	-2,49	-2,74	-3,68	-1,99	-,622	,9576	3,141	3,519	3,257	-2,69	-5,56		

AMBIENT TEMP. 31,28
WET-BULB TEMP. 32,22
BAR. PRESSURE 28,95
ABS. HUMIDITY 3,974

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/O 1/27/72 A/C 1/30/72-3

RUN=11 RDS=56 SPEED=6457

RADIAL DISTANCE 252

DATE: 2/ 1/7 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				74.73	69.55	69.17	68.25	69.37	72.51	69.96	71.49	72.97	73.59	74.41	76.75	80.47			130.7
63				71.62	69.17	72.42	69.26	69.31	72.27	72.74	71.53	72.97	74.26	74.05	77.13	79.81			130.9
80				69.38	67.69	68.12	68.58	69.31	74.71	71.86	71.45	73.29	74.19	75.75	77.81	79.22			130.8
100				72.29	71.97	72.53	73.18	71.29	74.34	72.37	74.25	75.15	79.36	79.57	82.59	79.97			133.8
125				74.73	74.84	69.17	71.53	78.99	72.97	72.32	73.53	74.82	77.49	78.21	79.35	82.22			132.9
160				68.19	67.91	67.69	68.95	69.97	71.41	71.93	72.22	73.49	74.22	75.68	76.28	76.25			130.5
200				66.44	66.87	67.39	68.57	68.32	68.62	71.16	71.17	71.91	72.22	73.82	75.43	71.45			129.8
250				64.75	62.87	61.99	62.97	63.64	67.18	66.28	67.33	66.85	66.16	70.45	72.27	68.58			125.1
315				65.87	69.59	67.32	63.96	66.29	64.36	65.89	64.78	66.24	69.82	72.15	73.10	78.31			126.4
400				67.96	68.81	72.82	68.39	67.42	69.41	68.37	69.29	71.31	73.76	76.22	74.84	71.89			129.7
500				71.96	73.22	74.89	73.11	73.68	74.43	73.85	74.26	75.68	76.43	78.85	76.99	72.93			133.4
630				76.59	77.84	78.19	77.64	76.43	77.87	79.17	78.18	78.85	78.67	82.24	78.72	78.26			136.7
800				76.79	77.18	76.19	75.84	75.47	75.12	76.78	75.45	76.83	75.92	76.53	75.68	75.31			135.8
1000				75.47	76.89	76.69	76.44	74.10	75.87	75.80	75.21	77.32	77.35	79.33	76.17	73.19			135.3
1250				78.25	82.68	82.23	81.57	79.63	82.18	79.86	80.27	81.42	82.88	83.58	79.58	76.26			140.2
1600				80.55	84.57	82.32	81.59	79.49	81.41	77.91	82.21	88.28	81.71	82.69	77.83	77.27			140.3
2000				78.27	82.92	83.21	81.75	79.75	81.69	79.34	80.25	88.81	82.88	85.89	76.88	78.38			141.1
2500				79.38	81.96	83.13	79.37	82.38	78.38	83.34	81.62	82.49	79.83	82.24	75.51	77.47			141.1
3150				82.53	80.27	82.27	82.86	83.91	82.67	84.93	85.68	86.98	83.39	84.65	79.17	74.72			143.5
4000				86.59	89.79	85.76	98.48	88.42	92.85	90.44	91.24	91.61	92.92	98.15	85.65	81.89			150.8
5000				80.27	83.57	81.75	82.86	81.68	83.54	82.69	83.37	83.57	84.41	85.63	77.97	77.38			144.2
6300				79.49	81.24	82.86	79.53	81.88	80.42	82.81	86.12	86.88	83.89	84.23	77.71	78.29			145.2
8000				79.92	79.57	82.19	81.39	80.27	81.29	81.83	81.74	81.77	85.22	81.55	76.74	75.84			144.9
10000				76.17	77.49	75.22	75.71	75.95	76.49	77.22	78.73	79.42	81.29	80.57	75.28	72.32			143.6
MEASURED OASPL				92.86	95.16	93.77	94.57	93.69	94.83	94.85	95.51	96.19	96.85	96.35	93.52	92.99			
CALCULATED OASPL				91.92	94.31	92.93	93.91	93.26	94.11	94.37	102.9	95.83	96.49	95.58	92.61	91.69			
PWL				127.4	129.8	127.4	129.5	128.4	129.8	129.9	113.6	111.2	112.1	110.8	106.7	104.4			

OAPWLT 155.1

AMBIENT TEMP. 35.83
STAGE 2 TEMP. 32.22
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/72 R/D 1/32/72R-3

RUN=11 R=3=87 SPEED=666RPS

C14

RADIAL DISTANCE 252

DATE: 2/01/7[illegible] PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	90.0	102.2	112.2	122.2	132.2	142.2	150.2	162.2	170.2 (PWL)
50				1.812	-3.37	-3.75	-4.17	-3.54	-2.41	-2.96	-1.43	.2538	.7676	1.491	3.829	7.554		
63				-1.24	-3.89	-.637	-3.99	-3.75	-2.99	-.315	-1.52	-.886	1.007	1.894	4.276	6.752		
80				-3.44	-5.13	-4.09	-4.24	-3.51	-2.11	-1.76	-1.38	.4742	1.375	2.931	4.986	6.401		
100				-3.45	-3.77	-5.21	-2.63	-4.44	-1.40	-3.37	-1.49	-.586	3.625	3.828	4.861	4.229		
125				-3.93	-3.89	-5.55	-3.18	-3.72	-1.74	-2.39	-1.18	.1101	2.779	3.495	4.641	5.313		
160				-4.[illegible]	-4.33	-4.55	-3.29	-2.33	-1.22	-.303	-.216	1.249	1.967	3.446	3.768	3.829		
200				-2.25	-3.82	-3.33	-2.12	-2.38	-1.09	.4651	.4829	1.215	1.532	3.129	4.337	.7552		
250				-1.92	-3.79	-5.08	-3.69	-3.03	.5122	-.663	.6654	.1808	-.509	3.785	5.399	1.916		
315				-1.96	-1.762	-.526	124.1	124.3	-3.47	-1.93	-3.05	-1.59	1.789	4.318	5.277	2.478		
400				-3.1[illegible]	-2.24	-.238	-2.67	-3.63	-1.65	-2.69	-1.77	.2553	2.707	5.167	3.762	.8382		
500				-2.59	-1.30	-.659	-1.45	-1.47	-.528	-.712	-.496	1.124	1.869	4.292	2.433	-1.63		
630				-1.1[illegible]	.0646	.4176	-.136	-1.34	.2878	1.393	.4726	.2087	.8921	2.259	.9222	-1.52		
800				.3759	3.264	.2751	-.077	-.445	-.839	.0708	-.461	.9139	.0036	.6153	-.231	-.626		
1000				-.529	2.296	.6969	.4408	-1.82	-.929	-.999	-.991	1.320	1.347	3.329	.1755	-2.81		
1250				-2.43	1.953	1.302	.8494	-1.29	-.542	-.862	-.657	.8922	2.159	2.858	-1.22	-4.46		
1600				-.259	7.964	1.707	.9854	-1.12	.7976	-2.72	-.596	-.524	1.121	2.086	-2.78	-3.53		
2000				-2.25	1.839	2.392	.6354	-1.36	.5826	-1.77	-.884	-.323	1.770	3.983	-4.23	-2.81		
2500				-1.49	1.28[illegible]	2.259	-1.51	1.523	-2.49	2.463	.7864	1.612	-1.05	1.162	-5.37	-3.39		
3150				-.313	-2.62	-2.82	-.826	1.81[illegible]	-2.21	2.237	2.789	4.087	.4998	-2.24	-3.72	-8.1[illegible]		
4000				-3.02	.1491	-3.89	.7533	-1.23	1.202	.7893	1.396	1.961	3.304	.4988	-3.99	-7.76		
5000				-2.72	.7832	-1.03	.0755	-1.72	.7588	-.182	.5966	.7870	3.623	2.844	-4.81	-5.42		
6300				-3.24	-1.69	.1202	-3.21	-.857	-2.31	.2676	3.385	4.145	1.156	1.293	-5.03	-4.45		
8000				-.963	-1.29	-.678	.5277	-.599	.4283	.1682	.8691	.6993	4.149	.6861	-4.13	-5.03		
10000				-1.33	-.205	-2.28	-1.79	-1.54	-1.00	-.269	1.237	1.929	3.824	3.278	-2.21	-5.18		

AMBIENT TEMP. 35.02
WET-BULB TEMP. 32.02
BAR. PRESSURE 28.95
ABS. - MIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 59 + 50 T/D 1/27/70 R/D 1/30/70-3

RUN=11 RDG=87 SPEED=6620

RADIAL DISTANCE 252

DATE: 2/ 2/7[illegible] PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STA DARP DAY

	ANGLES FROM INLET																
	7.2	12.2	27.2	37.2	42.2	51.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
FREQ.																			
50					74,76	71,73	69,23	72,19	71,37	71,14	71,43	72,73	74,23	74,92	75,88	78,37	81,87		131,9
63					73,69	72,27	72,67	72,72	71,49	71,22	73,87	72,87	74,38	75,74	76,95	79,26	81,73		132,6
80					72,27	72,38	69,71	70,51	72,69	72,14	72,83	73,23	74,99	75,71	77,27	79,16	82,64		132,3
100					69,81	72,76	72,26	72,56	73,16	73,29	74,42	74,59	75,25	76,93	78,44	80,42	81,39		133,6
125					72,89	73,82	73,22	76,27	77,96	77,84	78,86	75,84	77,72	79,75	81,43	81,57	81,88		136,1
160					69,99	72,94	68,78	70,58	71,26	72,22	73,26	73,53	75,18	75,76	77,29	76,27	78,30		132,2
200					69,71	69,84	67,68	69,72	69,62	70,49	72,36	72,42	73,44	77,13	75,38	76,42	73,43		132,2
250					66,79	66,26	62,43	67,17	66,71	63,24	67,84	68,73	68,35	68,23	72,68	75,13	78,92		127,1
315					67,17	71,11	67,87	65,82	64,64	64,25	67,32	65,83	67,33	70,92	72,84	72,67	70,63		127,1
400					68,81	71,72	71,87	69,29	69,29	69,59	70,26	73,17	72,69	75,15	77,33	75,71	72,63		138,9
500					73,18	74,66	76,23	73,97	75,95	75,43	75,66	76,14	77,89	78,32	82,89	78,14	73,84		134,9
630					76,45	78,72	77,47	78,52	77,93	79,62	79,51	82,41	82,68	82,35	81,32	82,73	78,13		137,9
800					77,22	79,58	75,75	78,78	76,31	76,42	78,31	77,97	79,21	77,72	78,43	78,24	77,97		136,5
1000					76,61	78,44	76,46	76,87	75,12	75,27	76,11	75,93	78,22	77,93	78,66	75,61	74,29		135,6
1250					78,38	82,62	81,91	82,36	88,45	81,86	82,68	82,72	82,37	83,34	84,28	79,65	76,12		142,7
1600					82,82	85,56	82,23	81,84	82,15	81,59	78,42	82,71	81,25	82,51	83,19	78,39	78,41		142,9
2000					78,85	82,57	83,16	81,68	79,54	81,96	79,66	82,12	81,22	83,23	85,45	76,53	77,77		141,1
2500					80,21	82,33	82,76	79,29	82,32	78,69	84,28	82,21	82,75	80,12	81,84	75,37	77,78		141,3
3150					83,59	81,22	82,14	82,25	84,27	81,21	86,28	86,78	87,51	83,68	80,44	79,19	75,29		144,1
4000					88,33	89,79	86,17	90,42	92,43	92,77	88,39	94,44	93,69	93,56	88,77	84,26	82,97		151,5
5000					84,54	87,22	84,39	86,94	86,78	89,23	85,24	90,41	86,53	90,58	87,73	81,35	82,03		148,3
6300					82,76	82,37	82,88	82,11	81,82	82,27	83,71	86,19	87,26	82,89	83,39	78,17	78,41		145,3
8000					82,67	82,71	79,99	81,36	82,22	82,74	82,23	83,21	83,37	85,61	83,21	77,02	75,29		145,6
10000					77,89	79,77	76,46	78,15	78,13	78,24	79,73	82,63	81,28	83,22	82,66	76,30	73,61		145,6
MEASURED DARP					94,27	96,12	94,17	95,35	95,14	96,35	95,21	97,89	96,75	97,95	96,72	94,11	94,19		
CALCULATED DARP					93,36	95,16	93,31	94,67	94,74	96,21	94,62	97,79	136,8	97,61	93,93	92,66	92,12		
P DB					108,6	112,2	107,8	112,8	112,1	111,4	109,5	113,2	111,3	112,9	110,5	106,5	104,6		
																		DARWL:	156,3

AMBIENT TEMP, 35,82
WET-BULB TEMP, 32,82
BAR. PRESSURE 28,95
ABS. HUMIDITY 3,924

FAN FA [illegible]/PRESSOR - PHASE 5B + SC T/D 1/27/78 R/D 1/31/78-3

RUN #1 R.G=88 SPEED=6977

RADIAL DISTANCE= 252

DATE= 2/ 2/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 7,2	22,7	2 ,2	5 ,	4?,2	5?,?	6?,?	7?,?	8?,?	9 ,?	12?,?	11?,?	12?,?	13?,?	14?,2	15?,?	16?,?	17?,2 (PWL)
32				,5535	-2,48	-4,94	-4,22	-2,81	-3,61	-2,78	-1,48	-,111	,6521	1,672	4,155	7,664		
63				-1,69	-2,65	-2,24	-3,99	-3,22	-3,49	-,913	-1,64	-,331	1,229	2,233	4,348	7,715		
82				-4,37	-3,99	-4,66	-3,83	-3,47	-2,23	-1,54	-1,11	,6228	1,345	2,923	4,822	6,288		
162				-5,92	-4,77	-5,24	-2,96	-2,37	-2,21	-1,45	-,944	-,211	1,422	2,921	4,366	5,864		
123				-5,..	-4,29	-4,6?	-1,61	,2489	-,871	,1472	-2,27	-,187	1,846	3,553	3,663	3,976		
162				-3,93	-2,93	-5,14	-3,32	-2,64	-1,71	-,631	-,397	1,211	1,834	3,364	4,142	4,374		
202				-2,93	-2,79	-4,95	-2,94	-3,23	-2,14	-,277	-,191	,8035	4,451	2,744	3,741	,7867		
252				-1,89	-2,42	-6,25	-1,49	-1,93	-,425	-,832	,2542	-,295	-,447	2,828	6,451	2,277		
315				-1,35	2,551	-1,42	-2,72	-3,88	-4,24	-1,14	-2,69	-1,19	2,395	4,327	4,145	2,121		
402				-3,61	-,528	-,345	-3,13	-3,12	-2,63	-1,92	-2,21	,4421	3,277	5,112	2,928	,4488		
502				-2,97	-1,42	,1759	-2,11	-1,83	-1,89	-,422	,8281	1,819	2,226	4,214	2,763	-2,27		
632				-2,59	-,339	-1,54	-,918	-1,51	-1,22	,4658	1,331	1,942	1,311	2,277	1,691	-,906		
802				-,234	2,137	-,694	-,697	-1,13	-1,24	,8666	,5316	1,761	,2839	,9919	,5965	,5344		
1202				-,328	2,124	,1267	,5415	-1,21	-1,26	-,225	-,424	1,685	1,994	2,358	-,719	-2,24		
1252				-2,86	1,382	,6716	1,116	-,586	-,176	-,558	-,524	1,128	2,898	2,836	-1,59	-5,14		
1602				,2192	4,328	1,821	,6184	-1,28	,3584	-2,81	-,926	-,179	1,241	1,961	-2,84	-2,82		
2002				-2,31	1,341	1,969	,4949	-1,65	,7762	-1,53	-1,84	-,174	1,844	4,271	-4,66	-3,42		
2502				-1,29	1,228	1,654	-1,81	1,161	-2,41	2,981	1,186	1,645	-,985	,7324	-5,71	-3,32		
3152				,2798	-2,49	-3,37	-1,24	,7551	-2,31	2,588	3,183	3,992	,1618	-3,27	-4,33	-8,42		
4002				-2,26	-,633	-4,29	-,886	,8275	2,353	-2,23	4,215	,2662	3,143	-1,66	-6,16	-8,45		
5002				-2,55	,1142	-2,66	-,149	-,322	2,141	-1,84	3,319	-,553	3,495	,6465	-5,74	-7,86		
6302				-2,12	-,528	-,218	-2,79	-1,24	-2,03	,8128	3,322	4,362	,8243	,4833	-4,73	-4,48		
8002				-,841	-,873	-1,59	-,222	-1,36	-,886	,4476	1,427	1,788	4,221	1,627	-4,56	-5,65		
10002				-1,58	,3216	-3,21	-1,42	-1,34	-1,28	,2613	1,151	1,826	3,732	3,219	-3,14	-8,83		

AMBIENT TEMP. 35,82
WET-BULB TEMP. 32,22
BAR. PRESSURE 29,95
ABS. HUMIDITY ,3,976

FAA FAN/COMPRESSOR - PHASE 5? ± 50 T/D 1/27/78 R/D 1/33/78-3

S.N.=11 RDT=88 SPEED=2947

RADIAL DISTANCE 252

DATE: 2/24/72

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.2	17.7	27.2	32.1	47.2	52.2	67.2	72.7	87.2	92.2	107.2	112.2	127.2	132.2	147.2	152.2	167.2	172.2	OAPWL
50				72,45	69,45	66,34	65,19	64,81	64,89	64,87	66,78	69,24	71,19	69,78	71,67	76,32			126,7
63				67,85	67,82	73,22	64,71	63,93	64,86	78,87	65,84	69,49	72,36	69,21	78,94	75,56			127,1
80				66,93	67,27	66,35	64,49	63,54	64,21	64,22	65,81	67,93	69,75	69,66	72,86	74,12			125,5
100				66,64	67,63	64,88	64,96	64,22	64,67	64,38	66,52	67,23	68,86	68,74	69,64	72,99			125,2
125				65,79	67,83	64,24	63,87	64,69	65,31	65,97	66,59	67,75	68,56	66,95	68,75	72,18			125,2
160				64,54	64,99	64,75	65,48	64,51	65,35	66,88	67,84	68,75	68,12	69,29	69,14	78,54			124,9
200				64,81	64,15	65,26	62,34	64,22	64,53	66,28	65,19	66,89	66,65	68,46	68,67	69,23			124,1
250				61,67	61,88	68,73	59,49	62,91	62,62	64,62	63,35	64,92	64,72	66,97	67,95	67,88			122,3
315				64,35	64,22	63,76	59,96	62,26	62,84	63,36	61,27	63,71	62,76	63,64	61,33	65,21			123,9
400				64,29	63,51	63,71	61,17	61,27	61,48	62,89	62,18	61,39	61,41	62,61	62,39	62,97			122,2
500				61,64	67,26	66,82	65,13	65,67	65,89	64,86	64,85	65,29	65,76	67,75	63,84	61,53			124,2
630				78,48	71,45	69,87	78,21	69,39	69,22	69,16	69,69	70,64	72,46	71,62	69,82	65,33			128,5
800				72,29	71,89	69,68	69,85	68,89	68,33	70,38	72,08	72,07	72,53	72,62	72,38	70,16			129,4
1000				74,29	74,92	73,71	72,21	68,35	69,84	72,26	72,12	72,74	73,59	73,36	72,62	70,39			132,9
1250				77,23	78,13	76,49	75,42	74,17	74,14	72,53	72,89	73,83	75,29	74,92	72,91	69,96			133,7
1600				76,24	77,86	75,42	74,42	72,16	74,49	73,82	73,35	73,81	76,56	76,74	72,74	71,19			134,1
2000				75,73	76,64	73,41	72,68	71,42	73,96	74,85	73,29	73,73	75,64	75,69	71,25	71,86			133,5
2500				75,89	74,39	74,76	72,92	72,96	72,78	74,94	77,42	77,63	73,88	74,44	71,38	72,58			134,4
3150				83,61	79,29	77,26	82,67	82,47	77,87	82,71	83,91	87,24	83,14	81,79	79,87	73,59			142,5
4000				78,75	76,85	73,67	75,68	73,49	74,43	76,86	75,28	78,29	79,57	76,73	73,52	70,63			137,2
5000				75,22	76,82	75,78	72,32	72,67	74,23	72,92	76,27	77,22	78,89	76,46	73,28	72,47			136,6
6300				79,84	78,69	79,82	77,22	76,53	73,05	77,99	79,15	82,96	78,67	77,59	76,19	75,28			142,6
8000				76,27	74,93	73,22	72,61	72,92	72,32	71,85	74,33	75,48	77,27	79,36	72,69	69,35			138,2
10000				77,26	76,72	74,61	75,28	73,53	73,75	74,26	75,17	76,52	77,82	76,31	72,92	72,21			141,1
MEASURED OASPL				86,95	88,44	86,93	87,24	85,39	85,44	86,83	87,90	92,32	88,96	88,72	86,14	86,35			
CALCULATED OASPL				86,99	87,81	86,94	87,27	85,45	84,99	87,03	88,12	92,56	89,13	88,75	85,82	85,54			
PNDB				124,1	121,7	120,6	122,5	102,7	99,33	102,5	123,6	126,1	124,2	123,4	122,7	97,87			
																		OAPWL	149,7

AMBIENT TEMP,	31,82
WET-BULB TEMP,	26,49
BAR, PRESSURE	28,99
ABS, HUMIDITY	2,312

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 R/C 2/3/72-3

RUN=11 RDG=89 SPEED=5222

RADIAL DISTANCE 252

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	182.2
50				1,483	,4924	-,624	-3,77	-4,16	-4,87	-4,89	-2,19	,4779	2,218	,9118	2,498	7,353			
63				-1,43	-1,46	3,924	-4,57	-5,35	-4,42	1,594	-3,44	,2284	1,197	-,263	1,664	6,284			
80				-,578	-,241	-1,16	-3,82	-3,97	-3,51	-3,49	-1,69	,4165	2,237	2,152	3,306	6,647			
100				-,341	,6487	-2,12	-2,82	-2,75	-2,31	-2,59	-,459	,3185	1,886	1,763	2,657	6,217			
125				-1,26	,9785	-2,83	-2,99	-1,97	-1,55	-,837	-,275	,9211	1,497	2,284	1,887	5,315			
160				-2,16	-1,77	-1,97	-1,24	-2,21	-1,41	-,637	,3196	2,235	2,425	2,369	2,423	3,822			
200				-,929	-1,57	-,456	-3,38	-1,72	-1,19	,5637	-,521	1,177	,9324	2,738	2,946	3,328			
250				-2,19	-1,98	-3,13	-4,37	-2,94	-1,24	,7654	-,585	1,867	,8479	3,111	4,089	4,822			
315				2,828	1,986	1,446	-2,34	-,854	-1,48	1,245	-1,85	1,917	-1,56	1,324	-,984	2,694			
400				2,782	1,999	2,193	-,345	-,249	-,830	-,623	-1,33	-,126	-,185	1,795	-1,12	1,387			
500				2,293	1,712	1,469	-,219	,3223	,5489	-,547	-,496	-,258	,4142	2,464	-1,51	-3,62			
630				,9328	1,899	,3164	,6531	-,165	-,330	-,398	,1427	1,289	,5119	2,249	-,533	-4,22			
800				-,880	1,582	-,627	-,462	-1,41	-1,98	,8774	-,227	1,763	2,219	2,315	,8749	-,147			
1000				2,468	3,323	2,289	-1,41	-3,27	-2,78	-1,36	-1,51	1,114	1,971	1,739	,9995	-1,23			
1250				2,984	3,832	2,248	1,167	-,385	-,114	-1,72	-2,16	-,419	,8435	,6654	-3,34	-4,24			
1600				1,868	3,493	1,833	,8483	-2,21	,1314	-1,35	-1,82	-,557	2,195	2,395	-1,63	-3,17			
2000				2,135	3,253	1,829	-,987	-2,17	,3666	-2,54	-,293	,415	2,349	2,126	-2,38	-1,73			
2500				1,662	,1653	,5292	-1,31	-1,27	-3,53	,7125	3,199	3,423	-,346	-,187	-2,85	-3,65			
3150				1,632	-2,88	-4,92	,8942	-1,51	-4,91	,7269	1,932	5,263	1,166	-,192	-2,11	-8,39			
4000				2,725	,8016	-2,38	-,412	-2,56	-1,62	,8115	-,768	2,249	3,523	2,684	-2,34	-5,22			
5000				,8896	,8849	,6538	-2,82	-4,46	-,685	-2,22	1,135	2,293	3,762	3,324	-4,85	-2,73			
6300				1,715	-1,43	1,491	-,982	-1,59	-4,28	-,136	1,226	4,839	,5428	-,525	-1,92	-2,85			
8000				1,984	,7642	-,947	-1,56	-3,25	-1,84	-2,32	,1642	1,314	2,898	5,192	-3,28	-4,81			
10000				2,126	1,775	-,362	,3116	-1,44	-1,22	-,712	,1989	1,945	2,852	1,341	-2,28	-2,94			

AMBIENT TEMP.	32.00
WET-BULB TEMP.	26.49
BAR. PRESSURE	28.99
ABS. HUMIDITY	2.312

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/38/72 R/D 2/3/72-3

RUN=11 RDG=A9 SPEED=5022

RADIAL DISTANCE 25&

PAGE: 1

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLE FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50	75,94	75,21	72,28	72,52	69,95	71,51	72,93	72,28	71,57	73,47	72,22	73,29	77,41						132,4
63	74,88	74,19	74,66	71,51	68,53	72,54	72,79	72,92	71,28	71,82	71,26	73,25	76,99						132,1
80	73,53	72,95	69,28	70,29	67,79	69,14	68,98	72,55	70,22	71,39	71,84	72,24	75,49						128,7
100	72,63	72,46	68,79	70,23	67,73	69,82	68,71	71,35	72,14	71,39	72,46	72,69	75,5-						128,8
125	72,14	72,62	67,74	69,34	66,14	68,83	68,71	72,16	69,92	71,21	71,35	71,97	74,63						128,3
160	72,33	72,12	66,85	68,39	66,99	68,25	68,35	69,45	72,41	71,17	71,39	71,37	73,21						127,7
200	69,97	68,79	67,52	66,66	68,39	68,25	68,49	69,71	72,67	72,18	71,73	72,48	72,75						127,9
250	66,99	66,17	62,65	63,37	63,36	64,66	65,69	67,29	67,23	67,39	69,17	72,74	78,58						125,8
315	67,44	64,93	65,15	62,66	63,48	62,49	64,91	64,24	65,73	63,52	65,82	64,36	67,69						123,1
400	67,38	67,23	66,48	64,49	62,39	63,14	61,92	61,16	62,31	63,43	62,98	63,48	66,16						122,4
500	69,29	72,25	68,65	68,23	67,69	67,81	66,24	65,72	66,96	67,29	68,56	64,92	64,32						125,9
630	71,26	73,16	72,77	71,85	71,33	71,17	72,79	72,63	72,23	71,28	73,22	72,36	65,35						129,9
800	70,91	72,78	70,99	71,97	71,73	70,22	73,63	72,82	74,47	74,54	74,87	71,96	69,99						131,5
1000	73,56	76,78	75,16	74,89	71,89	71,36	71,72	72,82	74,82	76,24	75,76	74,56	71,54						132,9
1250	76,36	79,88	77,81	77,26	75,32	75,86	74,51	72,81	74,65	76,44	75,84	73,15	72,42						134,8
1600	75,86	79,75	77,29	77,52	75,75	76,76	75,83	76,82	77,23	79,26	78,29	73,86	72,59						136,3
2000	75,29	79,81	78,22	75,48	73,81	74,48	73,48	75,82	75,47	78,24	77,49	73,42	73,41						135,7
2500	74,75	76,25	76,85	76,84	76,72	73,58	77,46	82,38	79,69	75,89	75,52	72,92	72,26						136,7
3150	82,83	82,28	78,19	84,13	83,81	80,84	84,68	85,82	88,69	85,84	84,85	82,27	7-,61						144,6
4000	80,58	81,46	77,25	81,74	82,77	79,88	82,29	82,13	85,14	84,63	83,54	79,84	74,28						142,7
5000	74,19	78,42	77,79	75,59	74,26	78,35	77,25	81,36	82,52	82,42	82,69	72,68	74,36						139,9
6300	78,38	77,89	79,56	82,33	78,56	76,59	81,44	81,55	82,68	83,51	82,89	78,28	75,49						142,4
8000	77,52	79,62	76,22	77,32	75,92	76,89	78,25	82,24	79,48	[illegible]	81,17	74,19	73,29						142,6
10000	76,89	77,76	76,75	77,12	75,56	75,41	76,94	79,42	77,67	79,18	78,48	75,18	73,99						143,2
MEASURED OASPL	92,58	91,82	88,63	90,17	88,74	88,41	89,76	92,94	92,29	92,06	91,18	88,41	88,61						
CALCULATED OASPL	89,37	90,62	88,63	89,91	88,92	88,26	90,18	91,36	92,78	92,96	91,34	88,58	87,29						
PNDB	124,1	124,7	122,9	124,8	124,1	122,8	125,1	126,3	128,1	128,9	126,2	123,3	99,37					OAPWL	151,4

AMBIENT TEMP, 32,02
WET-BL. 9 TEMP, 26,49
BAR, PRESSURE 28,99
ABS. HUMIDITY 2,312

FAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=92 SPEED=5529

C20

RADIAL DISTANCE 25'

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	8.2	18.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				3,349	2,618	-,313	-,074	-2,65	-1,28	-1,84	-,312	-1,43	,4751	-,569	,6913	5,22		
63				2,671	1,981	2,453	-,722	-3,68	-1,67	,5747	-1,29	-,937	-,386	-,952	,6427	4,782		
80				2,758	2,181	-1,49	,8158	-2,97	-1,83	-1,78	-,225	-,572	,6218	1,863	1,462	4,919		
100				1,917	1,743	-1,92	-,483	-2,99	-1,69	-2,82	,8359	-,568	,6823	1,752	1,979	4,789		
125				1,961	2,443	-2,44	-,838	-2,4	-1,35	-1,47	-,717	-,259	1,234	1,173	1,791	4,454		
160				,9325	,7196	-2,55	-1,35	-2,41	-1,15	-1,25	,2465	1,229	1,764	1,997	1,973	3,627		
200				,3395	-,826	-2,12	-2,97	-1,23	-1,38	-1,13	,8819	1,846	2,477	2,128	2,854	3,123		
250				,4335	-,385	-3,91	-3,19	-3,29	-1,89	-,942	,7389	,6715	,8366	2,617	4,182	4,223		
315				2,872	2,367	,5833	-1,92	-1,29	-2,87	,3427	-,324	1,161	-1,44	1,248	-,285	3,119		
400				3,668	3,316	2,764	,7741	-1,32	-,574	-1,79	-2,55	-1,42	-,284	-,731	-,228	2,451		
500				2,122	2,889	1,483	1,266	,5326	,6491	-1,12	-1,46	-,245	,1332	1,395	-2,25	-2,85		
630				,2785	2,179	-,229	,8754	,3565	,1882	-,179	-,347	1,255	,8962	2,239	-,619	-5,63		
800				-1,58	1,367	-1,41	-,438	-,673	-2,19	,6229	,4872	2,262	2,128	2,466	-,449	-2,42		
1000				-,109	3,116	1,492	,4242	-1,77	-2,38	-1,94	-,845	,3535	2,575	2,294	,8963	-2,17		
1250				1,815	4,315	1,697	1,911	-,232	-,294	-,844	-2,54	-,697	1,289	,4904	-2,28	-3,93		
1600				-,779	3,116	,6561	,8687	-,887	,1271	-,881	-,611	,5915	2,627	1,453	-2,77	-4,11		
2000				-,498	3,234	2,448	-,293	-1,96	,7815	-2,37	,8278	-,381	2,269	1,712	-2,35	-2,36		
2500				-1,77	-,277	,3291	-,488	,1968	-2,94	,9394	3,859	3,163	-,631	-1,83	-3,61	-4,47		
3150				-1,19	-1,74	-2,83	,1127	-,213	-3,88	,6581	1,782	4,679	1,832	,8277	-1,74	-9,41		
4000				-1,25	-,169	-4,38	,1955	-,857	-1,75	,6583	,5912	3,527	3,041	1,917	-1,79	-7,35		
5000				-4,29	,8289	-,589	-2,79	-4,12	-,837	-1,14	2,972	2,134	4,226	2,326	-5,78	-4,23		
6300				-1,57	-2,86	-,393	,8746	-1,39	-3,36	1,492	1,884	2,729	3,565	,1480	-1,87	-4,46		
8000				-1,25	1,634	-2,35	-1,25	-2,65	-2,48	-,322	1,669	1,127	4,687	2,596	-2,37	-5,27		
10000				-,788	,8846	-,127	,2395	-1,32	-1,47	,8623	2,539	,7923	2,297	1,523	-1,69	-2,88		

AMBIENT TEMP.	32,82
WET-BULB TEMP.	26,49
BAR. PRESSURE	28,99
ABS. HUMIDITY	2,312

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=92 SPEED=5900

C21

RADIAL DISTANCE 252

DATE: 2/24/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				72,23	73,27	74,28	73,61	71,27	75,11	78,21	76,45	80,22	74,71	74,37	73,45	75,44		133,1
63				67,32	71,79	75,59	72,23	70,62	73,99	78,14	75,13	78,02	74,23	73,64	72,78	75,28		132,4
80				65,87	70,98	71,89	71,88	69,27	72,94	75,64	73,15	75,66	73,42	73,01	72,49	74,38		132,7
100				66,21	70,56	71,87	72,75	69,15	72,29	75,16	73,55	75,79	75,15	75,24	74,18	75,41		131,1
125				66,92	72,92	72,17	72,88	69,14	71,22	73,86	72,16	74,47	73,45	72,97	73,12	75,--		132,1
160				63,78	68,19	68,79	69,68	68,13	72,42	72,34	71,43	73,5-	73,66	72,63	72,23	73,5-		129,2
200				67,64	67,47	68,28	68,87	70,41	74,83	71,97	72,43	73,36	74,94	73,79	73,31	72,71		129,7
250				63,62	64,18	63,82	63,94	64,44	67,56	68,63	69,34	70,67	70,66	71,85	71,75	71,27		126,8
315				58,94	64,27	64,79	62,98	63,81	65,44	66,97	67,23	69,34	67,25	67,27	65,73	67,76		124,7
400				67,61	66,28	67,33	65,46	61,29	62,64	62,49	63,86	65,65	64,17	62,45	64,69	66,62		123,8
500				69,29	70,11	69,61	69,14	66,81	66,88	64,51	64,66	64,27	66,49	68,21	64,81	65,32		125,6
630				72,52	74,2-	72,77	72,74	71,85	71,95	69,88	72,89	69,12	72,62	73,76	72,89	67,24		132,2
800				72,81	75,83	72,14	72,88	72,91	72,91	72,72	73,12	74,26	74,47	75,98	74,94	71,8-		132,2
1000				73,29	75,33	74,84	73,94	71,81	72,95	73,64	73,98	76,14	76,11	76,91	75,89	73,38		133,4
1250				78,88	80,27	78,45	77,84	74,81	73,89	72,84	73,57	75,32	75,74	75,23	74,10	72,--		135,1
1600				76,29	79,73	78,29	78,21	76,91	78,71	76,37	74,77	76,28	78,93	78,82	72,71	73,--		136,7
2000				76,85	79,47	78,82	75,94	74,62	78,18	74,18	76,36	77,--	79,11	79,58	73,88	74,49		136,8
2500				76,28	76,67	77,98	76,65	77,35	75,38	78,35	79,92	80,85	76,32	76,33	72,92	73,54		137,2
3150				81,13	79,33	74,15	81,29	82,37	78,82	83,11	83,31	84,52	81,63	82,37	77,28	72,51		141,5
4000				84,66	82,--	80,29	85,48	83,96	84,98	89,22	85,88	86,52	87,15	88,86	82,89	77,57		146,5
5000				76,24	78,73	78,71	76,34	75,55	81,13	78,94	81,87	81,69	82,71	81,65	72,42	75,94		142,8
6300				78,38	77,17	79,77	78,98	78,11	77,92	79,92	81,83	82,68	38,53	78,87	75,36	75,25		141,5
8000				81,88	79,62	73,46	79,55	76,49	78,82	80,58	83,88	80,72	83,85	83,82	76,62	74,26		144,3
10000				76,59	78,54	77,67	77,38	75,92	76,62	76,79	78,39	78,83	81,42	78,32	73,51	73,57		143,6
MEASURED OASPL				98,41	91,88	89,89	90,75	89,23	91,03	92,47	91,67	92,64	92,28	92,38	88,24	87,89		
CALCULATED OASPL				98,18	90,94	89,64	90,54	89,21	90,41	92,71	91,86	92,83	92,72	92,66	88,14	87,44		
PNDB				185,2	185,9	183,4	185,7	184,4	185,5	188,2	186,3	187,5	187,7	187,9	182,9	182,9	OAPWL	152,3

AMBIENT TEMP. 32,88
WET-BULB TEMP. 26,49
BAR. PRESSURE 28,99
ABS. HUMIDITY 2,312

FAA FAN/COMPRESSOR - PHASE 2B + 2C T/D 1/38/77 R/C 2/3/77-3

RUN=11 RCG=91 SPEED=9750

C22

RADIAL DISTANCE 250

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET																
FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(DB)
50				-5,28	-2,84	-1,23	-1,72	-4,25	-,283	2,869	1,144	4,914	-,599	-,938	-2,26	-13:7			
63				-7,28	-2,70	1,304	-2,47	-3,88	-,596	3,638	,6248	4,119	-,475	-,857	-1,72	-,581			
80				-6,84	-1,73	-,811	-1,63	-3,44	,2375	2,932	,4492	3,183	,7142	,3871	-,218	1,678			
100				-6,87	-2,51	-1,99	-2,33	-3,93	-,779	2,888	,4813	2,726	2,772	1,965	1,136	2,331			
125				-5,23	-1,22	-1,78	-1,94	-2,79	-,721	1,921	-,2284	2,525	1,528	1,225	1,182	3,232			
160				-5,13	-2,71	-2,12	-2,23	-2,77	-,482	1,431	,5217	2,627	2,152	1,725	1,322	2,596			
200				-3,69	-3,87	-3,86	-3,27	-,927	-,587	,8314	-,784	2,224	3,648	2,447	1,974	1,388			
250				-4,78	-4,22	-4,58	-4,39	-3,88	-,766	,3133	1,221	2,352	2,335	2,727	3,424	2,749			
315				-,284	,1667	-,371	-3,18	-2,35	-,718	,8155	1,275	3,182	,8805	1,115	-,428	1,626			
400				2,685	1,954	3,201	1,136	-3,23	-1,68	-1,83	-,464	1,324	-,169	-1,88	,3622	2,293			
500				2,473	3,298	2,794	2,322	-,227	-,128	-2,29	-2,15	-2,54	-,328	1,399	-1,99	-1,51			
630				1,294	3,251	1,545	1,514	,0561	,7287	-1,34	-1,22	-2,12	-,619	2,542	-1,13	-4,19			
800				-1,12	2,386	-,983	-,551	-,216	-,218	,5958	-,223	1,132	1,346	2,455	-1,17	-1,32			
1000				-,865	1,169	-,119	-,218	-2,36	-1,22	-,519	-,259	1,977	1,949	2,747	,9262	-,783			
1250				2,473	4,684	2,849	2,239	-,795	-1,72	-2,76	-2,24	-,269	,1354	-,577	-1,58	-3,22			
1600				-,782	2,739	1,386	1,214	-,077	1,719	-,617	-2,22	-,715	1,936	1,831	-4,28	-3,9?			
2000				,8168	2,838	1,985	-,898	-2,23	1,346	-2,66	-,472	,2671	2,276	2,666	-3,76	-2,34			
2500				-,768	-,382	,9377	-,397	,3882	-1,67	1,382	2,874	3,927	-,724	-,718	-4,13	-3,48			
3150				,1467	-1,66	-4,84	,3845	-,618	-2,17	2,426	2,326	3,535	,6402	1,383	-3,21	-8,48			
4000				-,787	-,266	-5,25	,1133	-1,41	-,387	3,846	-,288	1,152	1,777	2,697	-3,27	-7,87			
5000				-3,27	-,576	-,624	-2,96	-3,76	1,826	-,364	1,766	2,377	3,397	2,384	-6,68	-3,37			
6300				-,672	-1,88	,7147	-,869	-,941	-1,93	,8659	1,983	3,628	1,479	-,181	-3,69	-3,99			
8000				,8292	-,778	-1,71	-,826	-3,89	-1,97	,2882	3,584	,3468	3,479	2,649	-3,75	-6,31			
10000				1,864	1,852	,1789	-,186	-1,57	-,866	-,696	,9788	1,343	3,925	,8323	-3,98	-3,92			

AMBIENT TEMP.	32,22
WET-BULB TEMP.	26,49
BAR. PRESSURE	28,99
ABS. HUMIDITY	2,312

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 R/D 2/3/72-3

RUN=11 RDS=91 SPEED=5757

RADIAL DISTANCE 252

PAGE: 1

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 8.8	18.8	28.8	37.2	48.2	58.2	68.2	77.2	82.8	92.2	102.2	112.2	122.2	132.2	142.8	152.2	162.2	172.2	OASPL
50				71,22	73,19	72,28	73,18	72,43	74,11	69,92	72,94	74,54	74,16	73,22	74,68	76,32			132,7
63				69,31	72,37	74,54	72,89	71,57	73,89	72,44	71,77	74,13	73,83	73,18	74,12	75,76			130,6
80				68,26	71,27	78,12	78,66	78,12	72,88	69,66	71,52	72,62	73,32	73,68	73,76	74,82			129,4
100				68,95	71,12	78,28	71,11	78,82	72,92	70,71	72,72	74,32	75,51	76,57	76,45	77,22			131,2
125				68,58	72,87	68,48	72,29	69,77	71,65	72,29	71,56	72,78	73,38	73,79	74,35	76,24			129,8
160				67,14	68,67	67,45	66,68	68,52	72,98	69,91	72,99	72,21	72,61	73,44	73,16	73,89			128,9
200				68,25	68,25	76,32	67,48	71,52	71,95	72,89	71,17	72,41	72,26	73,17	73,61	73,85			129,4
250				64,66	64,21	63,48	62,97	63,81	67,26	66,85	68,38	68,96	68,86	70,89	71,92	71,69			126,1
315				64,28	65,91	64,85	63,87	63,99	65,36	65,89	65,82	67,31	65,81	67,11	65,91	68,92			124,2
400				67,66	66,86	69,48	66,87	64,46	66,87	64,48	63,96	64,97	65,47	66,62	65,92	68,29			124,8
500				69,45	72,75	71,12	74,43	69,23	69,81	68,89	67,98	68,28	69,41	72,67	67,32	66,54			128,8
630				72,97	74,93	73,82	73,73	72,29	73,54	72,85	72,61	73,81	73,13	75,79	72,88	68,43			131,9
800				73,89	75,83	71,99	72,38	72,19	72,56	74,88	73,95	78,56	75,37	74,34	72,99	72,58			132,7
1000				74,38	76,33	76,72	74,25	71,99	73,26	73,72	74,49	75,45	76,66	76,76	75,17	74,18			133,9
1250				78,39	81,44	77,49	78,15	78,84	76,27	75,46	75,24	76,39	77,55	77,85	74,82	75,87			136,4
1600				79,12	88,68	73,94	78,82	78,99	79,31	76,43	76,55	78,88	80,51	80,27	74,21	74,53			137,9
2000				77,48	81,85	88,97	76,95	75,14	78,45	75,11	77,27	76,98	79,82	79,37	73,29	74,84			137,9
2500				77,38	78,16	79,43	76,84	77,68	75,72	78,84	81,21	81,25	76,96	77,40	72,95	73,49			138,1
3150				81,45	78,97	77,41	88,65	88,36	77,82	81,71	83,22	84,86	81,25	80,24	76,75	71,78			141,2
4000				85,82	87,13	83,88	86,67	85,22	85,54	86,51	85,64	90,17	89,30	88,83	82,29	78,77			147,6
5000				77,14	79,58	79,73	76,18	79,56	79,31	79,88	82,17	81,83	82,79	81,36	77,87	75,88			142,7
6300				78,38	77,77	81,28	79,84	77,79	78,19	81,58	83,23	83,79	81,26	79,11	76,12	75,55			144,1
8000				80,28	78,73	78,22	78,36	76,52	78,94	78,25	81,48	80,87	83,98	84,98	79,62	73,42			144,1
10000				78,47	78,55	77,48	76,63	76,81	76,68	76,46	78,33	78,86	82,88	79,62	75,42	74,56			
MEASURED OASPL				91,31	92,62	91,27	91,13	89,98	91,52	90,93	91,78	93,62	93,28	93,34	89,12	88,89			
CALCULATED OASPL				96,91	91,96	95,03	92,89	89,99	92,27	91,88	92,11	93,97	93,68	93,35	88,96	88,13			
PNDB				186,1	187,2	185,5	184,4	183,4	183,9	186,5	186,8	189,5	188,9	189,7	183,2	181,6			
																		OASPL	152,8

AMBIENT TEMP, 33,82
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,99
ABS, HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 2B & 3C T/D 1/30/72 R/D 2/3/72-3

RUN=11 ROS=92 SPEED=8600

RADIAL DISTANCE 252

DATE: 2/[illegible]4/7[illegible] PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
52				-1,21	,2711	-,644	,2512	-,493	1,107	-3,00	-,379	1,618	1,232	,0919	1,157	3,421		
63				-3,42	-,352	1,812	-,626	-1,15	,3741	-,289	-,958	1,428	1,124	,4529	1,389	3,237		
80				-3,22	-,283	-1,36	-,813	-1,37	,6882	-2,43	,0427	1,141	1,839	2,813	2,285	3,193		
100				-4,19	-2,02	-2,87	-2,83	-2,32	-,639	-2,43	-,418	1,160	2,367	3,432	3,312	3,574		
125				-3,00	-,787	-3,18	-1,56	-1,88	,0273	-1,56	-,101	1,122	1,724	2,[illegible]31	2,689	4,623		
160				-3,51	-1,98	-3,19	-1,97	-2,12	,3318	-,734	,3486	1,364	1,966	2,796	2,513	3,245		
200				-2,78	-2,98	-,712	-3,55	,4863	,9139	-,943	,1378	,9775	1,229	2,134	2,576	2,821		
250				-2,99	-3,45	-4,18	-4,69	-3,86	-,482	-,779	,7163	1,302	1,198	3,231	4,261	4,821		
315				,9900	,3811	1,258	-2,53	-2,82	-,261	,3944	,2176	1,702	-,593	1,505	,3211	3,315		
400				1,776	,9776	3,521	,9875	-1,43	,1886	-1,39	-1,93	-,912	-,414	,7423	,0344	2,415		
500				,2384	1,332	1,887	1,217	,0179	,5947	-1,12	-1,23	-,940	,1921	3,449	-1,81	-2,67		
630				,0690	1,626	,1183	,0253	-,616	,6341	-,855	-,296	,9826	,2273	2,885	-,819	-4,47		
800				,3020	1,666	-1,58	-1,86	-1,42	-1,81	,5162	,3962	1,994	1,406	2,474	-,573	-,981		
1000				-,278	1,787	2,893	-,371	-2,64	-1,36	-,984	-,131	,8228	2,731	2,135	,5488	-,447		
1250				1,419	4,433	2,514	1,176	-,917	-,283	-1,32	-1,73	-,577	,5725	,8725	-2,96	-3,11		
1600				,9547	2,518	1,782	,6566	-1,21	1,149	-1,74	-1,61	-,779	2,351	2,188	-3,95	-3,64		
2000				-,034	3,537	3,462	-,561	-2,37	,9378	-2,41	-,237	-,629	1,491	1,858	-4,22	-2,67		
2500				-,645	,2116	1,483	-1,11	-,271	-2,23	,8884	3,265	3,324	-,993	-,546	-5,28	-4,26		
3150				,8351	-1,64	-3,00	,0348	-,252	-2,79	1,183	2,608	4,248	,4427	,3327	-3,86	-8,83		
4000				-,622	,6877	-2,64	,2314	-1,22	-,899	,0697	-,801	3,736	2,863	2,393	-4,34	-7,74		
5000				-2,27	,1407	,3002	-3,33	-2,87	-,229	-,358	2,736	2,395	3,357	1,923	-6,57	-4,38		
6300				-1,63	-2,44	1,071	-1,17	-,423	-2,82	1,294	3,018	3,585	1,245	-1,09	-4,09	-4,63		
8000				,1559	-,396	-,854	-1,76	-3,60	-1,16	-1,88	1,480	,7500	3,854	4,856	-4,51	-6,72		
10302				,5572	,6447	-,525	-1,28	-1,90	-1,23	-1,45	,4281	,9473	4,969	1,708	-2,49	-3,35		

AMBIENT TEMP. 33.00
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/70 R/D 2/3/70-3

RUN=11 RDG=92 SPEED=6000

RADIAL DISTANCE 250

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 2.2	10.2	20.2	30.2	42.2	50.2	60.2	70.2	80.2	92.2	102.2	112.2	122.2	130.2	142.2	150.2	162.2	172.2	(PWL)
50	72,15	73,12	72,87	73,34	72,47	72,34	71,29	72,22	75,57	76,97	75,92	79,31	84,25						133,3
63	69,81	71,84	74,65	72,42	72,86	71,46	73,84	71,18	75,36	75,99	75,45	78,51	82,32						132,6
80	68,32	70,34	70,22	71,35	74,87	70,94	69,98	70,82	74,17	75,91	75,34	77,44	81,44						131,7
100	70,83	71,70	70,88	72,45	72,81	72,25	72,65	72,35	75,82	76,83	76,92	78,85	88,95						132,8
125	69,86	72,82	69,16	71,11	76,87	70,43	71,14	72,88	74,15	75,77	75,28	77,69	88,91						131,9
160	68,45	69,66	68,81	69,34	69,83	70,42	70,43	71,39	73,36	74,85	75,16	75,91	78,32						130,6
200	69,92	69,18	68,34	68,87	69,32	70,21	70,34	72,15	74,13	74,27	74,29	75,73	79,29						130,1
250	64,85	63,87	63,82	61,76	62,58	64,35	65,81	66,93	67,53	68,79	70,87	71,56	71,48						125,2
315	67,72	67,35	65,94	65,56	64,34	64,46	66,37	67,23	68,45	67,33	68,98	68,16	71,87						125,4
400	69,14	67,86	66,83	66,93	64,56	64,77	64,59	64,44	66,44	67,85	66,45	67,15	69,46						124,9
500	71,92	71,15	71,15	71,38	69,81	70,89	68,87	68,71	70,12	70,45	71,82	68,65	67,31						128,6
630	74,44	75,46	74,69	74,98	73,44	74,51	73,93	73,95	74,99	73,52	75,61	72,86	70,87						132,8
800	74,48	77,28	74,31	74,15	74,19	74,17	73,34	73,23	73,48	73,97	74,48	73,14	72,48						134,8
1000	76,15	77,86	74,99	74,78	73,87	73,96	74,49	73,93	73,87	77,43	77,83	75,21	73,55						134,4
1250	86,48	88,27	85,34	79,24	77,82	76,47	76,78	74,14	77,28	77,75	76,89	74,41	72,24						136,9
1600	79,24	82,19	80,45	79,78	78,83	80,66	77,46	77,88	79,23	80,35	80,21	74,78	74,60						138,5
2000	79,14	80,78	81,69	78,56	78,42	79,23	78,24	78,89	79,96	79,21	80,98	73,91	75,58						138,3
2500	77,99	79,26	80,53	79,89	79,31	77,82	80,88	80,44	81,34	77,46	78,39	73,31	74,19						139,2
3150	81,75	78,97	77,99	82,34	81,27	79,76	82,69	84,69	84,96	80,79	81,45	76,88	72,88						141,9
4000	85,42	84,78	84,22	80,28	87,89	89,52	89,14	85,58	87,72	88,91	89,84	82,69	79,46						146,1
5000	77,68	80,29	80,53	77,99	76,78	80,49	78,48	82,37	81,31	82,55	82,35	73,12	75,98						141,3
6300	79,44	79,17	82,67	81,66	83,22	79,58	81,76	84,93	87,69	82,34	80,63	76,86	76,95						143,9
8000	80,37	80,12	79,73	79,67	77,54	80,28	78,88	82,94	81,87	84,29	84,74	79,87	74,12						145,1
10000	78,27	78,91	78,36	78,49	79,46	77,19	77,48	79,58	79,45	82,86	80,52	75,92	74,89						144,5
MEASURED OASPL	92,18	93,33	91,72	92,69	91,11	92,52	92,32	92,26	93,38	93,55	94,12	91,81	92,88						
CALCULATED OASPL	91,82	92,22	91,68	92,49	91,29	92,29	92,38	92,96	93,45	93,61	94,16	90,88	91,37						
PNDB	184,3	187,3	186,8	187,9	186,8	188,3	188,3	189,3	188,4	188,8	189,2	184,8	182,7					OAPWL:	153,5

AMBIENT TEMP, 33,38
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,99
ABS, HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 38 & 5C T/D 1/30/70 R/2 2/3/70-5

RUN=11 RDB=93 SPEED=6200

RADIAL DISTANCE 250

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.0	10.0	22.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	1 (OVL)
50				-3.37	-2.39	-2.95	-2.15	-3.84	-3.17	-4.22	-3.31	.8536	1.455	.3989	3.793	8.536			
63				-4.92	-2.89	.1143	-2.32	-2.68	-3.27	-1.69	-8.36	.6265	1.294	.7162	3.774	7.579			
80				-8.19	-8.15	-2.49	-8.36	-8.84	-8.77	-8.73	-8.88	.4849	2.199	1.846	3.946	7.732			
100				-4.72	-8.34	-3.86	-2.25	-2.73	-2.49	-2.89	-2.39	.2898	3.287	2.179	4.113	6.189			
125				-3.89	-1.73	-4.29	-2.64	-2.89	-3.12	-2.62	-1.79	.3768	2.824	2.283	3.983	7.159			
160				-3.93	-2.71	-4.27	-3.84	-2.55	-1.95	-1.94	-.992	.9849	2.473	2.784	3.526	7.945			
200				-2.27	-2.61	-3.45	-3.72	-8.48	-1.58	-1.25	.3618	1.338	2.479	2.489	3.948	5.983			
250				-8.69	-8.82	-6.68	-4.98	-4.19	-8.39	-1.69	.8388	.8313	2.182	3.377	4.888	4.989			
315				.9364	.7697	-.824	-8.22	-8.44	-8.32	-.414	.4482	1.447	.5482	2.283	1.377	4.292			
400				2.880	1.688	1.778	.6868	-1.69	-1.47	-1.65	-1.81	.1887	.8841	.2846	.9897	5.289			
500				1.698	1.338	1.328	1.478	-.617	.2642	-.958	-1.12	.2954	.4253	1.903	-1.17	-2.51			
630				.8713	1.986	.8228	1.828	-.414	.8397	.8613	.8744	1.121	-.352	1.736	-.992	-8.78			
800				-.497	2.812	-.996	-.786	-.711	-.238	.4981	.3288	1.773	1.841	1.778	-1.86	-1.8			
1000				.9938	1.923	-.139	-.433	-2.87	-1.17	.443	.3929	.4386	2.298	2.781	.8711	-1.99			
1250				2.924	2.794	2.863	1.761	-.446	-.889	-.781	-1.34	-.199	.2716	.6137	-3.87	-4.72			
1600				.3619	3.313	1.593	.9238	-.826	1.681	-1.48	-1.28	-.638	1.698	1.388	-4.88	-4.18			
2000				.8848	2.448	3.344	.2281	-1.91	.8939	-2.69	.2926	-.778	.6733	2.249	-3.42	-2.78			
2500				-.997	.2887	1.342	.1186	.3253	-1.96	1.898	3.492	2.398	-1.52	-.591	-8.87	-4.79			
3150				.4932	-2.33	-3.25	1.888	-.931	-2.94	1.388	3.356	3.439	-.589	.1218	-4.41	-8.1			
4000				-1.85	-.184	-2.75	1.384	.1215	2.545	2.162	-1.39	.7431	1.838	2.865	-4.29	-7.31			
5000				-8.21	.4918	.4958	-1.84	-3.89	.6958	-1.16	2.929	1.474	3.189	2.934	-4.32	-4.28			
6300				-8.81	-8.28	1.226	.8995	-.229	-1.87	.3169	3.283	3.241	.8972	-.814	-4.58	-4.98			
8000				-.721	-.971	-1.36	-1.42	-2.83	-.885	-2.21	1.648	.4788	1.169	2.449	-8.47	-8.97			
10000				-.184	.5352	-.812	.1187	-1.91	-1.18	-.788	1.289	1.076	3.882	2.143	-2.56	-3.48			

AMBIENT TEMP. 33.8E
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.478

F4A FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/38/72 R/D 2/3/72-3

RUN=11 RDS=93 SPEED=6268

RADIAL DISTANCE 25'

PAGE: 1

DATE: 2/9/77

SOUND PRESSURE LEVELS REFERENCE STANDARD DAY

FREQ	ANGLE FROM INLET																OVERALL
	5.0	11.3	20.0	32.1	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	(DB)
50	71.21	71.42	72.69	69.21	69.69	72.81	72.65	71.86	72.94	72.53	73.75	75.79	82.24					132.3
63	69.57	71.28	74.33	69.39	68.95	72.37	72.65	71.86	73.43	73.19	74.13	76.61	79.58					132.7
80	62.14	63.72	66.41	67.34	66.25	72.37	72.69	71.39	72.41	73.44	74.49	75.52	77.71					129.6
100	69.29	71.68	72.78	72.43	74.36	74.73	74.57	74.02	74.25	75.62	78.33	78.96	79.65					132.9
125	68.16	70.43	68.31	68.21	70.31	71.32	71.98	72.75	73.53	74.24	75.94	76.71	78.53					130.9
160	66.99	67.37	66.95	67.74	68.91	70.51	71.34	71.88	72.98	73.87	75.42	75.71	76.57					132.1
200	67.44	66.41	67.44	67.44	68.56	70.36	71.19	71.22	72.56	73.94	75.24	74.22	74.25					132.2
250	64.34	63.84	62.46	62.95	64.81	67.39	67.89	68.97	69.52	69.91	72.26	74.13	72.79					127.1
315	65.85	67.20	66.35	65.94	63.19	63.77	66.26	66.13	67.28	64.42	67.17	67.75	78.25					124.3
400	67.28	67.38	49.24	55.65	64.45	64.99	65.24	66.36	66.55	67.95	68.58	68.35	69.87					125.4
500	72.96	71.42	71.87	70.73	69.63	71.12	72.24	72.41	71.14	72.11	74.85	72.94	68.15					129.8
630	74.52	75.93	75.59	74.87	73.85	76.12	76.25	75.26	75.58	75.14	78.33	75.45	72.59					134.8
800	75.51	77.72	75.44	74.38	74.31	74.92	76.37	75.29	77.19	76.58	77.85	75.93	74.3					134.7
1000	74.67	76.35	74.47	74.44	72.29	73.23	74.19	74.29	75.33	75.93	76.43	76.58	74.5					133.7
1250	78.21	82.32	79.77	78.58	76.78	77.39	76.93	76.34	77.94	78.89	78.83	74.99	73.9					136.9
1600	79.29	81.83	82.82	79.29	77.71	82.97	77.96	77.24	79.25	81.52	82.52	76.33	74.77					139.8
2000	76.57	82.15	82.75	77.35	76.21	79.29	75.91	77.48	77.88	78.71	79.69	75.29	75.74					137.7
2500	77.29	78.51	82.47	78.21	78.57	76.38	82.44	82.18	82.64	77.39	79.15	74.65	74.71					139.2
3150	80.82	78.77	77.32	81.34	82.71	78.47	82.82	83.72	85.72	82.59	81.48	78.14	72.22					141.7
4000	83.97	85.93	85.42	87.21	85.06	88.69	89.58	85.26	87.21	87.93	88.26	82.14	79.49					147.4
5000	77.12	82.49	82.81	78.19	76.73	81.46	79.55	82.26	82.22	83.18	82.26	75.24	76.27					141.6
6300	78.37	78.66	82.33	82.94	81.46	79.68	82.41	84.53	86.32	82.67	82.28	78.21	77.23					144.2
8000	79.65	81.92	79.91	76.95	78.85	82.84	79.83	82.99	83.31	84.43	87.01	76.76	74.81					145.4
10000	77.50	78.78	78.17	77.88	76.44	77.61	78.85	79.66	82.52	81.36	91.36	77.19	75.19					144.7
MEASURED OASPL	91.28	92.67	92.36	91.71	91.32	92.79	92.94	92.63	93.75	93.45	94.24	91.73	92.67					
CALCULATED OASPL	92.24	91.83	91.78	91.56	90.69	92.53	93.11	92.67	93.92	93.44	94.21	92.24	89.95					
P.DB	125.1	126.7	126.5	126.9	125.9	128.2	128.8	128.9	128.4	128.5	129.2	124.3	122.4					

OVERALL 153.5

AMBIENT TEMP. 33.2?
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.47?

FAA FAN/COMPRESSOR - PHASE 52 + 53 T/? 1/3./77 B/? 2/3/77+3

RUN=11 R=94 SPEED=0457

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SOUND PRESSURE LEVELS (DIRECTIVITY TYPE)

FREQ.	ANGLES FROM INLET 1.0	11.2	2.2	33.	44.	5.	66.	7.	88.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.1
52																			
63																			
80																			
100																			
125																			
160																			
200																			
250																			
315																			
400																			
500																			
630																			
800																			
1000																			
1250																			
1600																			
2000																			
2500																			
3150																			
4000																			
5000																			
6300																			
8000																			
10000																			

52	-1.34	-1.22	-1.85	-3.33	-3.48	-1.73	-1.89	-.482	.4139	-.749	1.265	3.257	7.496						
63	-3.32	-1.71	1.437	-3.59	-4.13	-2.52	-.245	-1.03	.5424	.3758	1.241	3.126	6.663						
80	-4.55	-2.98	-3.20	-3.84	-3.44	-1.32	-.997	-.295	.7163	1.367	2.526	3.842	6.214						
100	-5.62	-3.83	-4.18	-2.49	-.554	-.181	-.411	-.596	-.509	.9089	3.413	4.744	4.934						
125	-4.66	-2.82	-4.71	-3.64	-2.54	-1.53	-.853	-.394	.6884	1.391	3.295	3.885	5.865						
160	-4.87	-4.49	-4.91	-4.12	-2.95	-1.25	-.522	-.738	1.224	1.944	3.562	3.948	4.728						
200	-4.42	-5.27	-4.23	-4.22	-3.12	-1.31	-.483	-.555	.8942	2.284	3.568	5.127	3.773						
250	-4.33	-4.83	-6.21	-5.73	-3.85	-1.29	-.787	.2012	.8424	1.238	3.585	5.659	4.111						
315	.1344	1.275	.4256	-3.78	-2.54	-1.95	.3392	.4.99	1.357	-1.12	1.445	2.241	4.528						
400	.5726	.6682	2.947	-1.66	-2.27	-1.73	-1.48	-.353	-.158	1.241	1.969	1.542	3.791						
500	.4138	.6497	.9275	-.221	-1.41	.1717	-.747	-.839	.1884	1.102	3.899	-.212	-2.6						
630	-.554	.8449	.5425	-.219	-1.24	1.737	.9626	-.725	.4976	.2717	2.944	.3629	-4.49						
800	-.251	2.134	-.124	-1.22	-1.29	-.486	.7815	-.341	.6.47	.9942	2.267	.3439	-1.25						
1000	.2141	1.895	.2199	-.715	-2.15	-1.22	-.259	-.429	.8739	1.379	1.978	2.132	.2661						
1250	.7134	2.822	2.269	1.074	.719	-.126	-.571	-1.16	.4378	1.198	1.333	-2.52	-3.59						
1600	-.243	2.49	1.485	-.145	-1.62	1.633	-1.38	-2.09	-.284	2.179	3.181	-3.41	-4.57						
2000	-1.17	2.411	3.264	-.387	-1.73	1.95	-1.63	-.262	.1416	.9643	1.954	-2.15	-2.43						
2500	-1.66	-.449	1.513	-.942	-.391	-2.24	1.486	3.223	3.121	-1.57	.1898	-4.02	-4.24						
3150	-.319	-2.35	-3.82	.2153	-.417	-2.66	1.694	2.422	4.579	-.533	.3529	-2.99	-8.9						
4000	-2.54	-.581	-1.69	.7127	-.549	2.383	3.772	-1.43	.4962	1.419	1.768	-4.37	-7.62						
5000	-3.46	.3344	.6437	-1.97	-3.43	1.293	-.629	1.899	2.256	3.021	2.099	-5.12	-1.[illegible]						
6300	-3.39	-3.29	.5775	-.807	-.294	-1.07	.6547	2.777	4.566	.8536	-1.67	-3.54	-4						
8000	-1.89	-.519	-1.63	-2.59	-2.89	-.699	-1.71	1.446	1.773	2.888	5.469	-4.78	-6.						
10000	-.999	.1824	-.429	-.719	-2.16	-.986	.2581	1.765	1.927	2.702	2.763	-1.41	-3.39						

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 2.477

FAA FAN/COMPRESSOR + NOISE 3D + SC TAPE 1/30/77 R/D 2/3/77-3

RUN=11 RUGE=94 SPEED=6457

RADIAL DISTANCE 25

DATE: 2/24/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STA 1 AND DAY

FREQ.	ANGLES FROM INLET																	(PNdB)
	7,2	17,2	22,8	32,7	42,3	52,2	62,2	72,2	82,2	92,2	102,2	112,2	122,	132,	142,	152,	162,	172,	
50				72,99	72,54	71,40	70,04	71,59	71,74	69,93	71,96	72,69	73,34	74,22	77,16	82,44			131,2
63				71,28	72,29	74,66	71,71	71,46	71,56	72,87	71,92	73,15	73,99	75,23	77,49	82,37			131,6
80				69,15	72,52	69,94	69,59	72,35	71,56	70,68	71,45	72,64	73,71	75,47	77,34	78,82			132,7
100				74,12	72,29	71,18	73,85	74,53	76,27	73,78	74,91	75,19	78,21	79,71	81,53	82,39			134,1
125				72,18	71,24	68,80	71,42	72,24	73,97	72,66	73,63	74,37	76,97	78,19	79,24	79,14			132,7
160				69,53	69,24	67,98	68,95	72,14	71,55	71,83	72,52	73,98	74,96	76,69	77,22	76,62			131,1
200				69,48	67,55	67,58	68,25	68,53	72,24	71,42	71,68	73,61	73,98	76,35	77,98	75,26			131,8
250				66,81	65,31	64,14	64,17	65,27	67,81	68,24	69,91	71,34	72,72	74,24	75,99	73,73			128,4
315				72,72	72,77	67,98	64,58	64,89	66,28	66,17	67,37	69,23	66,54	69,59	69,16	72,65			126,3
400				71,91	69,85	71,32	68,77	68,32	69,44	67,39	66,99	68,45	69,22	74,58	66,45	72,28			127,6
500				74,61	73,92	73,69	72,89	72,69	73,42	71,96	72,22	72,28	73,88	79,87	72,47	67,45			131,4
630				76,53	76,96	75,55	76,12	75,32	77,22	78,26	76,85	77,59	76,73	79,32	75,22	73,34			135,4
800				74,92	75,79	73,37	72,92	74,69	75,21	76,28	75,44	78,16	76,80	78,26	75,87	74,11			134,5
1000				77,74	78,34	77,29	75,92	74,21	75,96	74,62	74,82	77,68	76,79	77,34	76,43	75,24			135,2
1250				81,45	82,43	79,83	79,66	78,38	79,16	78,26	75,95	78,65	79,28	79,77	75,26	74,68			138,1
1600				79,47	81,21	79,61	78,69	77,94	81,01	77,94	77,21	79,12	81,06	81,73	75,96	75,29			138,8
2000				79,86	81,49	82,66	78,29	77,53	81,72	76,59	77,29	78,27	82,64	82,62	74,42	75,97			138,7
2500				78,28	78,38	79,43	78,35	79,40	79,25	80,38	81,81	82,34	77,66	78,62	74,42	74,74			139,3
3150				81,56	78,47	76,99	81,29	81,63	79,87	82,79	83,73	85,78	81,25	81,24	77,87	72,57			141,9
4000				85,41	86,59	84,54	86,62	86,75	90,15	88,79	86,19	88,34	89,99	89,32	81,82	82,66			148,4
5000				78,79	82,84	82,63	78,87	78,58	84,26	90,32	82,42	82,86	84,45	83,37	75,99	76,72			142,5
6300				79,84	78,76	81,66	82,51	81,42	81,38	82,69	84,75	86,71	82,94	79,95	78,42	77,22			144,5
8000				88,39	82,97	78,67	78,82	82,75	82,53	79,96	83,65	84,14	86,51	84,89	76,29	73,89			145,9
10000				78,99	79,12	77,63	77,92	77,35	79,24	78,78	82,15	81,15	83,12	81,49	77,63	75,81			145,4
MEASURED OASPL				92,58	93,19	91,64	91,77	91,55	94,25	92,72	92,62	94,21	94,53	94,44	91,52	91,36			
CALCULATED OASPL				91,82	92,39	91,34	91,59	91,73	93,99	92,95	93,28	94,63	94,89	94,49	92,78	92,47			
PNLT				126,7	127,4	126,2	126,9	127,7	129,6	128,5	127,6	129,4	130,2	129,7	126,3	125,7			

OAPWL1 154,1

AMBIENT TEMP, 33,22
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,99
ABS, HUMIDITY 2,470

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/77 R/D 2/3/77-3

RUN=11 MOD=05 SPEED=6627

RADIAL DISTANCE 256

DATE: 2/14/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152	162.2	172.2 (PAL)
50				-.266	-.726	-1.77	-2.42	-3.67	-1.52	-3.33	-1.29	-.565	.2892	.9617	3.899	7.184		
63				-2.66	-1.45	.9229	-2.22	-2.28	-2.17	-.969	-1.82	-.591	.2507	1.289	3.758	5.56		
80				-3.59	-2.23	-2.82	-3.16	-2.41	-1.19	-2.27	-1.29	.2922	.9588	2.722	4.585	6.27		
100				-1.97	-3.79	-4.91	-2.23	-1.55	-.721	-2.31	-1.17	-.888	2.124	3.629	4.444	4.327		
125				-2.36	-3.29	-5.65	-3.12	-2.29	-.572	-1.68	-.926	-.167	2.251	3.645	4.499	4.624		
160				-3.33	-3.82	-4.89	-3.92	-2.72	-1.31	-1.63	-.338	1.116	2.998	3.831	4.355	3.754		
200				-2.93	-4.86	-4.83	-4.16	-3.88	-2.17	-.994	-.728	1.498	2.572	3.943	5.565	2.85		
250				-3.17	-4.67	-5.82	-5.81	-4.91	-2.17	-1.95	-.875	1.361	.7218	4.057	6.215	3.753		
315				3.219	3.282	.2953	-3.11	-2.79	-1.48	-1.51	-.319	1.343	-1.15	1.939	1.474	2.867		
400				2.971	.9134	2.379	-.172	-.636	.5262	-1.54	-1.95	-.648	.5821	1.645	-.489	1.346		
500				2.223	1.331	1.213	.2855	.1373	.8311	-.632	-1.59	-.329	.9882	3.283	-2.12	-5.14		
630				.2854	.5114	-.897	-.328	-1.14	.7812	1.847	.4275	1.152	.2979	2.65	-1.22	-6.1		
800				-.456	.4237	-1.93	-2.48	-1.35	-.349	.7255	.8989	2.883	1.143	2.727	.2159	-1.15		
1000				1.768	2.371	1.126	-.748	-1.95	-.827	-1.36	-1.17	1.728	.8202	1.389	.4552	-.723		
1250				2.821	3.788	1.177	1.227	-.266	.5779	-.592	-2.69	.2847	.6348	1.119	-3.39	-3.97		
1600				.3218	1.868	.4622	-.464	-1.21	2.661	-1.21	-2.14	-.359	2.512	2.574	-3.19	-4.26		
2000				.3241	2.752	1.925	-.437	-1.21	2.981	-2.15	-1.44	-.464	1.299	1.885	-4.92	-2.77		
2500				-1.22	-.714	.3792	-.754	.3966	-.946	1.279	1.728	3.237	-1.24	-.482	-4.69	-4.34		
3150				.2495	-2.85	-4.32	-.228	.3126	-1.44	1.389	2.416	4.464	-.265	-.779	-3.45	-8.24		
4000				-1.83	-.643	-2.69	-.513	-.478	2.919	1.564	-1.24	1.129	2.759	2.787	-5.42	-6.58		
5000				-2.28	-.245	-.453	-2.21	-2.49	2.161	-.779	1.344	1.782	3.372	2.288	-5.49	-4.36		
6300				-2.16	-3.24	-.348	-1.49	-.585	-.021	.6944	2.748	4.725	.9333	-2.26	-3.59	-4.79		
8000				-1.51	-.925	-3.22	-3.27	-1.84	.6281	-1.93	1.293	2.253	4.623	3.726	-5.61	-7.99		
10000				-.323	-.167	-1.65	-1.35	-1.92	-.203	-.493	.8751	1.378	3.848	2.211	-1.65	-3.47		

AMBIENT TEMP, 33.47
WET BULB TEMP, 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.477

FAA FAN/COMPRESSOR - PHASE 59 - 50 T/D 1/30/77 R/D 2/3/77-1

RUN=11 RDD=95 SPEED=6662

PARTIAL DISTANCE 25L

DATE: 2/14/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	2.0	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				72.43	71.57	70.91	70.68	71.46	72.31	71.19	72.53	73.75	74.42	74.81	77.38	81.34			131.5
63				71.84	71.38	74.23	72.87	71.41	71.73	73.53	72.77	74.42	74.89	76.26	78.53	81.77			132.3
80				68.44	68.46	69.99	69.59	70.68	72.27	72.27	72.94	74.43	75.59	77.12	78.41	80.29			131.9
100				69.48	69.62	72.14	71.78	73.24	73.94	74.51	74.73	75.68	77.34	78.87	80.29	81.73			133.7
125				71.23	72.11	69.82	73.29	75.78	76.17	77.23	75.97	75.76	74.32	82.17	82.28	81.39			134.6
160				68.97	68.62	68.54	69.74	70.96	72.65	73.14	73.90	75.60	76.48	77.88	78.46	78.84			132.5
200				68.85	67.19	68.24	68.89	72.34	71.55	72.86	73.22	74.95	75.34	77.21	78.36	75.78			131.7
250				66.81	64.64	64.64	66.85	68.33	71.41	71.61	72.17	73.21	73.92	76.25	77.85	74.58			137.4
315				67.23	68.37	67.10	64.58	65.48	66.47	68.58	72.25	71.21	69.69	72.97	72.44	71.93			127.1
400				68.57	69.23	70.63	67.79	66.58	66.76	66.85	67.44	68.43	69.31	69.43	72.84	72.54			127.1
500				71.82	72.44	74.22	72.78	72.51	72.42	72.84	72.44	74.62	73.59	75.25	71.75	71.25			131.9
630				74.31	76.56	75.76	77.51	76.11	76.76	76.59	77.18	78.21	77.22	79.53	76.68	73.27			135.5
800				74.69	77.14	75.93	75.91	76.45	76.68	77.93	77.98	79.26	78.59	80.13	77.19	74.42			136.3
1000				74.55	78.69	76.84	75.88	74.59	75.49	76.63	76.81	77.12	77.54	79.81	76.31	76.28			135.8
1250				77.49	79.44	79.47	80.25	77.98	77.60	76.76	76.24	74.59	78.85	78.13	76.86	75.29			138.9
1600				78.81	81.38	82.51	80.42	79.47	82.27	79.28	78.22	79.47	82.52	81.92	75.91	75.94			139.5
2000				75.87	79.82	79.81	78.23	76.74	79.68	76.72	78.75	77.63	80.37	81.66	75.19	77.23			138.3
2500				76.87	77.68	79.69	78.76	80.37	78.84	81.59	83.42	81.76	78.27	78.92	74.51	75.47			139.7
3150				82.42	78.77	77.28	82.14	82.73	82.88	84.36	85.52	85.29	81.19	81.86	78.36	73.58			142.4
4000				84.75	86.82	86.12	88.49	88.36	90.80	87.75	89.28	87.65	92.47	89.65	82.31	81.65			149.2
5000				82.64	83.65	83.71	84.26	84.25	87.19	83.44	86.85	84.47	87.48	87.23	78.98	79.83			146.1
6300				78.75	78.33	81.52	81.17	82.15	82.69	83.35	84.89	85.63	82.23	82.65	78.42	77.51			144.3
8000				79.25	82.14	78.97	82.13	81.47	83.26	81.91	84.69	84.86	86.75	87.87	77.36	75.65			146.9
10000				78.52	79.12	78.44	79.37	79.93	81.24	80.76	82.51	82.76	84.24	85.37	78.75	77.39			147.3
MEASURED OASPL				90.57	92.48	91.95	93.31	92.84	94.37	93.18	94.58	94.21	95.18	95.51	92.32	92.74			
CALCULATED OASPL				90.65	92.29	92.38	93.14	93.21	94.74	93.51	95.11	94.56	95.63	95.91	91.63	91.86			
PNDB				105.7	107.3	107.7	108.5	108.5	117.1	108.5	109.9	109.1	110.6	110.6	105.1	104.6			

OAPL = 155.1

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.47

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 R/D 2/3/72-3

RUN=11 ROS=96 SPEED=6922

C32

RADIAL DISTANCE 25.

DATE: 2/24/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (P-L)
52				-1,31	-2,17	-2,83	-3,25	-2,28	-1,42	-2,55	-1,22	,2157	,3813	1,273	3,649	7,621		
63				-3,39	-3,25	-,226	-3,56	-3,42	-2,72	-,929	-1,66	-,414	,4617	1,824	4,297	7,284		
82				-5,52	-4,52	-3,97	-4,36	-3,27	-1,69	-1,89	-1,22	,6696	1,626	3,162	1,453	6,327		
100				-6,13	-5,99	-5,48	-3,84	-2,53	-1,68	-1,11	-,891	,2593	1,715	3,248	4,675	6,111		
125				-5,46	-6,39	-6,88	-3,22	-,718	-,328	,5351	-,922	-,729	1,827	3,672	3,587	4,922		
162				-5,23	-5,58	-5,66	-4,43	-3,24	-1,55	-1,06	-,298	1,417	2,276	3,678	4,265	4,637		
202				-4,46	-6,12	-5,27	-4,42	-3,28	-1,76	-,457	-,292	1,641	2,229	3,894	5,249	2,462		
252				-5,17	-7,34	-7,34	-5,13	-3,95	-,969	-,379	,1837	1,225	1,938	4,264	5,271	2,599		
315				-1,32	-,212	-1,45	-4,00	-3,49	-1,92	,0271	1,474	2,634	,5116	2,398	1,862	3,353		
402				,1256	,7877	2,187	-,659	-1,87	-1,69	-1,59	-1,21	-,319	,8603	,9849	2,392	4,112		
500				-,312	,3234	1,884	,6602	,3911	,3023	-1,15	-1,67	-1,49	1,779	3,149	-,355	-1,27		
632				-2,23	,2227	-,778	,9753	-,433	,2171	,0476	,6462	1,468	,4807	2,989	,1388	-3,47		
800				-2,47	-,016	-1,63	-1,25	-1,11	-,488	,7781	,8208	2,103	1,428	2,973	,8384	-,755		
1000				-2,21	2,137	-,515	-,675	-1,97	-1,06	,0727	,2546	,5689	,9812	3,256	1,754	-,472		
1252				-,201	1,926	1,944	2,525	,4542	,2733	-,769	-1,29	-,944	1,323	,5976	-1,47	-2,44		
1602				-1,02	1,544	,6798	,5854	-,363	2,235	-,755	-1,63	-,359	2,891	2,091	-3,93	-3,89		
2002				-2,40	1,495	1,488	-,121	-1,59	1,349	-1,62	,4191	-,696	2,246	3,338	-3,14	-1,29		
2502				-2,64	-1,82	,1913	-,750	,8625	-1,47	2,283	3,909	2,249	-1,24	-,625	-4,99	-4,24		
3152				-1,45	-3,12	-4,79	,2659	,8318	-1,79	2,185	3,645	3,214	-,673	-,229	-3,51	-8,28		
4002				-3,13	-1,08	-1,78	,6714	,4587	2,927	-,145	1,387	-,251	2,526	1,748	-5,59	-6,25		
5002				-3,97	-,969	-,911	-,353	-,565	2,572	-1,18	2,231	-,152	2,867	2,416	-5,67	-4,78		
6302				-3,27	-3,49	-,321	-,719	,3291	-1,12	1,526	3,272	3,812	,2242	-1,17	-3,40	-4,31		
8002				-3,92	-2,83	-4,22	-2,85	-1,52	,2829	-1,06	1,721	1,889	3,774	4,922	-5,61	-7,29		
10000				-2,59	-1,99	-2,67	-1,81	-1,19	-,078	-,354	1,396	1,646	3,126	4,262	-2,36	-3,72		

AMBIENT TEMP. 33,22
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,99
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/77 R/D 2/3/77-3

RUN=11 RDS=96 SPEED=6900

RADIAL DISTANCE 25'

DATE: 2/24/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				73.42	73.89	73.51	73.55	74.49	79.95	72.29	74.15	75.82	77.73	77.91	78.97	83.52			134.4
63				72.52	74.23	75.59	73.18	73.57	79.47	74.44	74.37	75.59	77.91	76.71	79.44	83.86			134.7
80				70.27	72.73	72.45	72.76	72.93	77.62	73.71	74.39	76.23	78.14	79.43	79.79	82.22			134.1
100				72.61	72.41	72.57	73.63	74.44	78.19	75.63	76.32	77.26	79.29	82.42	81.75	82.99			135.4
125				74.43	72.96	73.42	75.23	76.14	82.44	77.68	78.19	77.14	82.32	82.52	82.92	83.43			136.4
160				72.67	72.96	73.43	71.53	72.62	75.74	74.57	75.27	76.63	77.89	79.55	79.99	80.9?			134.2
200				69.53	69.28	69.23	74.19	71.18	74.25	74.13	74.45	75.75	76.75	78.58	79.71	77.67			133.1
250				67.53	66.89	65.71	66.54	70.39	73.31	73.81	73.41	74.21	74.28	77.35	78.12	76.12			131.7
315				72.26	72.72	67.98	65.18	66.29	68.82	69.22	69.67	72.34	68.81	71.22	70.83	73.32			127.8
400				72.92	71.79	71.41	68.57	68.61	72.16	72.32	69.64	72.24	72.45	72.49	72.48	73.56			129.2
500				74.94	74.22	75.23	73.86	74.37	74.63	75.15	73.91	73.53	75.22	76.78	74.52	71.68			132.9
630				75.49	77.52	75.97	77.55	79.34	78.82	77.88	78.63	78.82	78.21	82.72	78.62	73.77			136.8
800				73.93	77.26	74.73	77.47	77.43	78.16	79.86	79.28	80.72	80.33	81.29	78.99	77.15			137.6
1000				76.87	77.41	76.55	75.17	75.47	76.93	76.97	76.19	77.34	79.38	79.92	78.18	75.99			136.1
1250				81.13	83.39	82.23	79.19	78.96	78.87	79.31	77.39	77.57	78.42	77.25	76.74	75.79			138.2
1600				78.59	80.71	79.47	79.71	80.32	81.41	78.99	79.13	80.21	82.68	81.48	76.83	76.45			139.4
2000				78.16	81.83	79.79	76.98	78.22	80.79	77.72	78.37	77.35	79.93	80.14	74.50	74.14			138.6
2500				77.61	77.99	78.54	77.31	80.33	78.89	81.49	82.86	81.48	7.86	77.73	74.51	74.72			139.3
3150				81.51	79.21	[illegible]	82.96	82.61	79.52	84.55	85.38	85.68	81.37	79.85	78.85	72.78			142.4
4000				83.32	85.97	83.83	86.77	86.34	88.62	87.77	87.74	86.93	87.73	85.35	79.86	79.48			147.2
5000				84.93	89.09	88.13	90.48	89.64	92.21	87.96	91.27	88.86	92.17	87.49	80.94	83.14			152.3
6300				88.22	89.76	82.81	80.36	82.29	80.31	85.16	85.26	85.82	82.29	79.12	77.98	77.81			144.7
8000				79.21	79.96	77.67	78.42	80.11	81.53	83.12	84.39	83.76	84.94	82.63	76.19	74.41			145.5
10000				82.81	81.61	79.74	82.73	83.23	82.52	83.92	84.58	84.68	85.27	83.14	78.38	76.91			148.6
MEASURED OASPL				92.26	94.41	92.77	93.98	94.22	96.34	94.75	95.77	95.28	95.71	95.28	93.26	94.21			
CALCULATED OASPL				91.98	94.87	92.81	94.17	94.44	96.88	94.97	96.11	95.47	95.81	94.63	92.25	93.11			
PNLD?				126.2	128.7	127.7	129.1	129.2	118.9	129.4	117.8	129.7	117.2	128.6	124.5	125.?			
																		CAP-L:	155.9

AMBIENT TEMP, 33.22
WET-BULB TEMP, 27.46
BAR, PRESSURE 28.99
ABS. HUMIDITY 2.422

FAA FAN/COMPRESSOR - PHASE 28 ± 5C T/D 1/30/77 R/L 2/3/77-3

RLN=11 RD?=97 SPEED=7122

C34

RADIAL DISTANCE 25.

DATE: 2/14/72

SCOTT PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	12 AVG
52				-3.21	-2.74	-3.12	-3.28	-2.53	3.314	-4.35	-2.49	-.813	1.297	1.278	2.342	4.882			
63				-4.27	-2.86	-1.37	-3.71	-3.33	2.575	-2.45	-2.52	-1.29	1.212	1.817	2.548	6.968			
80				-4.11	-3.45	-2.53	-3.42	-3.25	1.444	-2.47	-1.78	-.161	1.955	2.845	3.685	6.24			
100				-6.77	-4.97	-4.81	-3.75	-2.94	.8759	-1.75	-1.26	-.125	1.909	3.839	4.364	5.613			
125				-3.82	-5.29	-4.84	-3.82	-2.28	2.194	-.567	-.251	-1.12	2.741	2.273	2.678	3.185			
160				-5.29	-4.94	-5.47	-4.33	-3.27	-.154	-1.33	-.832	.9326	1.999	3.648	4.298	5.765			
200				-8.19	-5.44	-5.49	-4.53	-3.54	-.463	-.591	-.272	1.235	2.228	3.862	4.998	2.949			
250				-8.69	-6.39	-7.51	-6.68	-2.83	.8961	.9897	.1942	.7912	.8561	4.132	4.803	2.927			
315				.8778	1.533	-1.21	-4.42	-3.49	-.362	.3329	.4878	1.56	-.371	2.831	1.442	4.135			
400				2.577	1.444	1.258	-1.78	-1.74	-.198	-.226	-.711	-.324	.2997	.1339	2.131	3.21			
500				.7765	.8529	1.228	-1.11	.2127	.4694	.9828	-.257	-.933	.8403	2.613	.3579	-2.48			
630				-2.37	-.349	-1.89	-.315	1.476	.9395	.8191	.7698	.9511	.1439	2.852	.7512	-4.28			
800				-4.84	-1.21	-3.74	-.994	.8016	-.389	.8928	.6275	2.253	-.862	2.817	.5224	-1.32			
1000				-.805	.9362	-.329	-1.71	-1.81	.8527	.8918	-.678	.4591	2.564	3.343	1.326	-.882			
1250				2.419	4.869	1.322	.4843	.2494	.1599	.5982	-1.31	-1.14	-.288	-1.46	-1.97	-2.9			
1600				-1.15	.9795	-.269	-.219	.5581	1.679	-.744	-.626	.2767	2.948	1.741	-2.91	-3.29			
2000				-.242	2.829	1.396	-1.42	-.378	2.388	-.683	-.225	-1.25	1.531	1.735	-3.86	-2.24			
2500				-1.53	-1.12	-.976	-1.88	1.219	-1.02	2.376	3.748	2.365	-1.25	-1.38	-4.59	-4.39			
3150				-.312	-2.81	-6.65	-.866	.7876	-2.32	2.725	3.552	3.855	-.457	-1.98	-3.77	-9.24			
4000				-2.55	-.295	-2.24	.6968	.2699	2.554	1.783	1.669	.8623	1.659	-.721	-6.21	-6.59			
5000				-3.96	.2873	-.752	1.575	.7546	3.328	-.923	2.384	-.219	1.288	-1.39	-7.94	-5.74			
6300				-1.99	-1.48	-.215	-1.86	.8767	-1.92	2.942	3.243	3.631	.8697	-3.1	-4.32	-5.21			
8000				-.25	-1.52	-3.79	-3.24	-1.35	.2658	1.645	2.937	2.323	3.479	1.269	-8.26	-7.25			
10000				-2.41	-.829	-2.68	-1.69	.6869	.0988	1.582	2.159	2.252	2.643	.7172	-4.84	-5.51			

AMBIENT TEMP. 33.82
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 3B + 3C T/D 1/32/72 R/D 2/3/72-3

RUN=11 RD=97 SPEED=7103

RADIAL DISTANCE 254

DATE: 2/24/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				72.58	72.87	72.96	72.34	72.83	72.82	71.66	73.41	75.32	75.32	76.72	79.69	84.56			133.2
63				70.32	72.77	74.83	71.61	71.15	72.81	74.31	74.32	75.76	77.73	78.23	82.49	84.73			134.1
80				68.57	69.51	70.95	71.82	71.46	73.48	73.47	74.56	76.24	77.25	78.75	82.76	83.47			133.9
100				70.12	72.32	71.48	72.34	73.11	74.99	75.51	76.46	77.64	79.09	82.52	82.74	84.67			135.6
125				75.28	72.61	72.26	74.52	76.21	78.75	76.17	77.52	80.12	84.14	83.64	83.63	86.87			138.3
160				70.46	72.11	72.13	71.46	72.32	74.13	74.76	75.95	77.54	78.41	81.32	81.25	82.21			134.7
200				70.26	68.86	69.72	70.47	71.36	73.28	74.53	75.29	77.26	77.22	79.45	82.96	79.19			133.9
250				70.31	66.34	65.37	67.29	69.72	72.95	74.29	74.64	75.69	75.42	78.64	82.37	78.28			132.9
315				67.79	67.19	67.38	64.42	65.69	67.75	70.15	71.99	73.39	71.48	73.72	74.17	75.17			129.1
400				68.75	68.82	71.36	67.84	67.65	67.42	68.26	69.97	72.79	71.16	72.94	74.44	75.79			128.9
500				72.29	71.94	73.93	73.32	74.12	73.35	71.96	71.83	71.86	75.38	76.83	73.39	73.84			132.2
630				73.31	77.22	78.29	38.63	79.74	79.87	78.24	78.26	77.75	77.97	82.37	78.34	73.47			137.3
800				75.14	79.82	76.54	77.31	79.62	80.58	81.34	82.79	82.32	82.42	83.23	82.29	77.79			139.4
1000				75.75	76.61	75.58	75.49	74.83	75.88	77.52	77.36	79.24	79.96	82.32	82.29	78.35			136.7
1250				76.79	79.28	80.01	80.55	79.57	79.71	77.65	76.84	78.41	78.38	77.81	78.73	77.25			137.8
1600				77.88	79.57	79.72	81.47	79.22	81.83	82.13	77.41	79.01	81.77	82.87	75.16	75.49			139.2
2000				75.35	78.49	79.84	75.92	75.24	79.44	75.85	77.97	77.91	82.62	82.66	74.96	76.23			137.6
2500				75.69	75.77	77.78	76.87	78.95	77.25	81.22	82.02	81.21	77.46	76.92	74.55	74.87			138.6
3150				82.32	79.47	75.72	80.96	81.79	82.14	84.46	84.81	84.98	81.15	84.93	78.25	72.76			142.1
4000				82.37	84.25	82.39	86.41	84.28	87.57	86.69	89.54	88.52	86.65	85.84	82.29	77.64			146.1
5000				87.21	91.25	90.78	94.41	91.22	94.96	88.17	91.48	90.28	91.22	92.39	83.52	84.28			152.3
6300				88.19	88.89	91.74	88.86	82.89	91.09	86.28	85.85	86.67	82.52	82.35	78.42	77.59			145.1
8000				78.88	79.45	77.51	78.98	79.35	81.65	83.49	84.14	84.42	84.55	83.19	76.29	74.16			145.6
10000				88.84	81.06	88.12	83.25	82.51	82.43	85.48	83.43	85.09	85.19	84.17	78.89	77.79			148.9
MEASURED DBSPL				91.51	93.65	93.37	95.56	93.95	96.54	94.51	95.41	95.65	95.97	96.24	94.47	95.75			
CALCULATED DBSPL				91.84	94.23	93.71	96.31	94.45	97.11	95.12	95.82	96.26	96.17	95.89	93.47	94.64			
PNDB				106.7	109.2	108.9	111.4	109.6	112.3	109.1	111.7	112.6	112.8	112.4	109.9	109.8			
																		OAPWL	156.5

AMBIENT TEMP. 33.88
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/32/72 R/D 2/3/72-3

RUN=11 RPD=98 SPEED=7327

C36

RADIAL DISTANCE 25R

DATE: 2/24/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				-2,92	-4,61	-4,53	-5,12	-4,66	-2,67	-3,82	-1,87	-,167	-,182	1,218	4,221	9,279			
63				-5,93	-5,48	-1,42	-4,65	-3,19	-3,44	-1,94	-1,94	-,489	,4817	1,981	4,233	8,479			
80				-7,35	-6,39	-4,96	-4,89	-4,46	-2,31	-2,24	-1,32	,3517	1,241	2,837	4,849	7,557			
100				-7,41	-7,21	-6,84	-5,18	-4,42	-2,53	-2,01	-1,07	,1113	1,562	2,993	5,213	7,138			
125				-5,28	-7,55	-8,89	-5,66	-3,95	-1,41	-3,99	-2,64	-,241	4,199	3,484	3,675	6,729			
160				-6,22	-6,37	-6,35	-5,22	-4,14	-2,35	-1,72	-,528	1,264	1,929	3,835	4,774	5,737			
200				-5,24	-6,64	-5,79	-5,43	-4,14	-2,23	-,971	-,211	1,559	1,698	3,947	5,456	3,896			
250				-4,22	-8,19	-9,16	-7,44	-4,81	-1,58	-,231	,1895	1,169	,8928	4,129	5,836	3,752			
315				-2,78	-3,38	-3,17	-6,16	-4,89	-2,83	-,429	1,414	2,818	,9234	2,636	3,598	4,597			
400				-1,49	-1,43	1,116	-2,48	-2,59	-2,83	-1,99	-,276	,5524	,9141	,6927	4,194	5,546			
500				-1,12	-1,28	,7175	,1238	,9249	,1333	-1,26	-1,38	-1,35	2,163	3,611	,1702	,5899			
630				-5,29	-1,18	-,387	2,233	1,338	,6669	-,159	-,338	-,652	-,429	3,971	-,261	-4,97			
800				-5,19	-1,31	-3,79	-3,82	-,787	,2341	1,818	3,376	1,976	2,292	2,784	-,842	-2,54			
1000				-1,69	-,839	-1,36	-1,95	-2,61	-1,56	,8727	-,287	1,791	2,529	2,879	2,846	,9277			
1250				-1,61	,0892	1,618	2,162	1,137	1,313	-,741	-1,56	,5197	-,214	-,589	,3371	-1,35			
1600				-2,46	,1787	,2431	2,086	-,257	2,366	,6742	-2,85	,1833	2,244	1,341	-4,38	-3,97			
2000				-2,27	,8522	1,619	-1,71	-2,38	1,822	-1,77	,3469	,3247	2,997	2,836	-2,06	-1,59			
2500				-2,71	-2,63	-,618	-1,53	,5499	-1,15	2,882	3,618	2,827	-,942	-1,48	-3,85	-3,52			
3150				-1,19	-3,23	-2,78	-,536	,3221	-1,38	2,981	3,311	3,464	-,347	-,591	-3,44	-8,71			
4000				-2,61	-,756	-2,58	1,755	-,782	2,586	1,652	,5585	1,541	1,669	,8614	-4,69	-7,34			
5000				-3,63	,3792	-,274	3,345	,1665	4,184	-2,68	,6283	-,575	,3688	-,462	-7,35	-6,77			
6300				-2,49	-2,56	-,924	-1,99	-,562	-1,55	3,636	2,398	4,221	-,127	-2,37	-4,23	-5,24			
8000				-1,86	-2,69	-4,23	-2,56	-2,19	,1095	1,958	2,597	2,882	3,715	1,649	-5,25	-7,38			
10000				-1,97	-1,75	-2,77	,4335	-,325	-,389	2,663	,6143	2,279	2,381	1,289	-3,92	-5,27			

AMBIENT TEMP. 33,27
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,99
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/32/72 R/D 2/3/72-3

RUN=11 SDG=98 SPEED=7320

C37

RADIAL DISTANCE 252

DATE: 2/24/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				74.68	74.29	73.44	73.33	73.64	74.46	73.78	75.48	76.89	77.29	78.59	81.42	86.39			135.2
63				74.77	75.59	76.77	76.44	75.46	75.96	76.63	77.59	77.77	79.18	82.97	82.91	87.49			136.8
80				71.82	72.88	73.25	73.83	73.77	75.19	75.83	76.66	78.11	79.34	81.15	82.74	84.95			135.9
100				73.26	73.11	72.94	74.58	74.92	76.29	77.33	78.51	79.31	81.25	82.34	84.77	85.99			137.4
125				76.56	79.18	77.54	80.64	78.49	78.59	81.31	86.14	83.68	86.74	83.42	85.54	87.46			141.2
160				73.16	72.28	70.95	72.72	73.76	75.22	75.39	76.99	78.55	79.93	81.79	82.64	83.49			136.2
200				72.14	70.16	68.77	70.31	71.32	73.83	74.23	75.47	76.85	77.78	80.31	82.16	79.51			134.4
250				71.64	68.23	66.24	66.60	68.23	70.89	73.25	77.21	76.85	75.24	79.21	82.21	77.83			133.2
315				70.21	70.62	69.79	67.23	67.64	67.95	69.09	72.89	71.1	70.26	72.46	73.14	74.88			128.7
400				73.23	73.15	74.24	72.98	74.84	74.21	75.19	72.54	74.97	75.97	75.36	73.15	76.11			132.8
500				74.85	75.62	76.65	76.33	77.12	77.29	78.25	76.05	77.75	79.21	82.99	76.37	75.57			135.9
630				76.96	77.67	76.37	77.28	77.54	79.76	80.44	82.61	82.78	82.87	83.57	80.25	75.79			138.9
800				74.91	77.38	78.19	74.44	77.78	79.72	88.12	81.89	85.89	85.96	84.14	88.71	78.53			140.1
1000				74.29	74.95	76.86	76.64	75.80	76.59	75.90	76.23	78.79	80.96	80.56	79.36	78.86			136.7
1250				77.88	82.29	80.11	81.16	81.61	86.19	84.41	82.28	80.86	84.88	81.72	77.51	76.72			141.6
1600				77.46	77.91	77.88	78.31	76.88	80.88	78.88	78.51	79.32	82.39	81.27	76.59	76.24			138.5
2000				74.88	74.79	78.23	75.65	75.48	79.79	75.82	76.73	77.24	79.89	78.18	74.59	76.23			136.7
2500				74.68	74.51	77.89	76.82	79.93	78.86	79.98	81.69	80.05	76.38	75.89	74.33	74.82			138.3
3150				80.24	76.96	75.16	82.71	81.54	79.52	82.43	83.15	83.96	80.17	78.89	76.93	71.84			142.9
4000				81.77	82.01	80.24	81.98	81.56	84.62	84.22	83.16	84.89	85.36	83.09	77.88	76.51			143.7
5000				86.42	89.97	90.34	88.75	88.73	94.18	87.89	90.88	91.60	92.04	90.12	83.37	84.69			151.3
6300				81.80	80.17	82.97	80.69	80.72	80.88	82.61	83.37	85.73	81.96	79.49	77.65	77.67			143.9
8000				80.41	78.31	77.72	77.95	77.53	80.29	80.42	82.57	83.46	83.32	81.22	74.86	72.72			144.1
10000				81.93	81.75	80.76	83.82	82.18	84.79	84.84	85.35	86.55	86.82	83.37	79.36	78.73			149.8
MEASURED OASPL				98.76	94.11	93.36	93.49	93.29	96.18	94.37	95.97	96.54	97.56	96.71	95.58	96.79			
CALCULATED OASPL				92.21	93.94	93.53	93.32	93.36	96.77	94.44	95.97	96.62	97.29	95.99	94.29	95.48			
PNDB				126.8	126.6	126.7	126.1	126.3	111.9	126.4	112.5	111.1	111.6	112.2	125.9	126.2			
																		OAPWL	156.2

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY .0172

FAA FAN/COMPRESSOR - PHASE 9B ± 5C T/D 1/30/72 R/L 3/3/70-3

RUN=11 RCG=Y9 SPEED=7580

C38

RADIAL DISTANCE 25Z

DATE: 7/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50	-2.93	-3.51	-4.36	-4.29	-3.78	-2.96	-3.63	-1.95	-.526	-.114	1.177	4.226	8.983						
63	-4.17	-3.35	-2.17	-2.49	-3.46	-2.98	-2.31	-1.34	-1.17	.2373	2.229	3.972	8.153						
80	-6.11	-5.85	-5.88	-4.18	-4.16	-2.73	-2.89	-1.27	.1742	1.413	3.222	4.812	7.617						
100	-6.28	-6.19	-6.36	-4.72	-4.39	-3.81	-1.98	-.791	.8826	1.743	3.836	5.465	6.678						
125	-6.31	-3.68	-7.32	-2.22	-4.37	-4.44	-1.26	3.282	8.61	3.874	.5612	2.673	4.622						
160	-4.65	-5.57	-6.82	-5.25	-4.21	-2.75	-2.38	-.781	.7783	2.159	4.029	4.868	5.717						
200	-3.86	-5.84	-7.23	-5.49	-4.68	-2.97	-1.77	-.531	.8536	1.776	4.313	6.159	3.549						
250	-3.85	-6.46	-8.66	-8.89	-6.66	-4.61	-1.45	2.517	1.392	.5431	4.514	5.511	3.135						
315	.8259	.5222	-.344	-3.28	-2.48	-2.17	-1.82	-.222	1.892	-.262	2.342	2.918	4.766						
400	-1.84	-.917	-.827	-2.09	.7678	.1352	1.117	-1.53	.8993	1.896	1.292	-.317	2.237						
500	-2.32	-1.55	-.521	-.846	-.268	.1273	1.273	-.317	.5824	1.843	1.823	-.825	-1.59						
630	-2.74	-2.23	-3.53	-2.62	-2.36	-.145	.5423	.7202	2.827	2.972	3.682	.3456	-4.11						
800	-4.15	-3.46	-7.87	-6.68	-3.24	-1.32	-.927	.3534	4.253	4.915	3.897	-.338	-2.51						
1000	-3.19	-2.45	-.532	-.754	-1.59	-.888	-1.49	-1.15	1.396	3.564	3.167	1.962	.6611						
1250	-4.28	.8472	-2.84	-.963	-.944	4.831	2.259	.1483	-1.29	2.726	-.439	-4.85	-5.43						
1600	-1.38	-.937	-.959	-.537	-1.96	2.135	.8376	-.334	.4726	3.553	2.422	-2.25	-2.67						
2000	-2.72	.8827	1.439	-1.15	-2.31	2.995	-.977	-.359	.2483	2.297	1.388	-2.28	-.763						
2500	-3.38	-3.55	-1.85	-1.24	1.879	.8649	1.843	3.632	2.794	-1.08	-2.17	-3.73	-4.24						
3150	-.111	-3.37	-5.19	.3582	1.188	-.829	2.883	2.821	3.611	-.182	-1.45	-3.42	-8.52						
4000	-.059	-.629	-2.39	-.728	-1.27	1.991	1.599	.5379	2.269	2.739	.4649	-4.82	-6.11						
5000	-1.39	1.695	.9223	-1.27	-1.89	4.281	-2.72	1.259	1.183	2.226	.3643	-6.45	-5.17						
6300	.2656	-1.36	1.367	-.842	-.819	-1.93	1.272	1.839	4.198	.4467	-2.24	-3.89	-3.87						
8000	.3150	-1.79	-2.39	-2.15	-2.57	.1983	.3035	2.472	3.384	3.222	1.124	-6.24	-7.39						
10000	-1.71	-1.89	-2.88	-.619	-1.46	1.151	1.227	1.789	2.914	3.179	-.267	-4.28	-4.91						

AMBIENT TEMP. 33.83
WET-BULB TEMP. 27.49
BAR. PRESSURE 26.84
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDO=99 SPEED=7500

RADIAL DISTANCE: 25Z

DATE: 2/25/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.7	17.7	27.7	37.7	47.7	57.7	67.7	77.7	87.7	97.7	107.7	117.7	127.7	137.7	147.7	157.7	167.7	177.7	(P'L)
50				79,96	82,82	79,17	78,65	78,42	76,55	75,25	77,68	79,35	79,94	82,92	83,52	88,52			138,1
63				78,76	82,79	79,43	79,81	78,44	77,69	77,73	79,82	79,75	80,89	82,26	84,36	88,82			138,7
80				77,67	79,18	77,87	77,79	77,11	77,46	77,59	78,54	79,98	81,25	82,97	84,63	87,62			138,4
100				78,27	79,14	77,29	77,97	77,85	78,25	78,09	79,71	81,27	82,79	84,11	86,58	88,49			139,5
125				82,96	85,94	85,27	82,17	81,44	82,39	83,27	87,87	87,14	87,23	87,32	87,95	89,64			143,5
160				76,46	77,56	75,29	76,25	76,44	76,89	77,79	79,17	80,39	81,75	83,81	84,69	85,95			138,3
200				73,99	74,86	72,39	73,78	73,91	75,01	76,39	77,21	78,65	79,66	82,26	84,06	82,31			136,5
250				71,82	73,36	71,11	72,37	71,76	73,39	74,58	77,47	76,75	77,69	80,25	81,89	80,77			134,8
315				72,51	73,99	73,47	72,38	70,19	72,45	72,62	73,32	73,92	73,42	76,28	75,49	76,79			131,6
400				74,22	75,12	76,25	75,62	75,12	73,83	76,06	74,93	75,23	76,11	76,12	77,02	78,58			133,9
500				75,75	77,75	77,96	77,98	79,21	78,97	77,38	77,62	78,36	79,63	82,66	78,38	77,26			136,6
630				77,35	78,22	78,53	81,69	81,44	82,19	80,32	79,86	81,87	81,44	82,94	81,62	78,34			139,5
800				75,85	76,37	77,56	76,93	79,25	80,42	82,58	82,47	86,75	83,57	84,27	81,43	79,64			142,7
1000				74,14	77,46	76,71	78,58	78,85	79,34	80,87	79,75	80,82	81,29	82,15	80,39	78,92			138,5
1250				78,45	82,52	81,47	83,29	84,76	85,31	84,56	82,89	82,33	82,84	81,44	79,95	78,95			142,7
1600				76,41	80,39	82,87	84,89	85,24	87,76	86,61	82,65	81,91	82,41	81,29	78,71	78,32			142,7
2000				74,92	79,35	82,83	82,44	84,17	87,29	82,49	82,58	82,37	81,82	82,43	77,84	78,45			142,1
2500				74,29	75,77	79,72	80,56	83,53	81,49	83,17	83,34	81,79	77,91	75,94	75,56	75,29			142,6
3150				79,23	78,19	78,17	84,12	85,33	82,86	84,47	84,55	83,88	82,23	78,87	78,46	73,14			142,6
4000				80,49	82,38	80,16	82,59	82,84	85,08	84,93	83,44	83,71	82,49	82,93	78,20	76,97			143,9
5000				85,69	90,62	91,36	88,89	86,68	92,36	87,85	92,96	91,72	94,18	92,63	83,24	86,72			151,8
6300				80,27	80,81	83,19	81,86	82,19	81,54	82,91	84,38	85,37	82,48	82,22	78,37	78,83			144,5
8000				79,97	79,91	79,15	80,15	80,17	82,58	81,85	84,26	83,47	84,23	82,25	76,62	75,94			145,4
10000				81,27	82,53	82,88	84,21	83,59	87,12	86,64	86,35	87,24	87,78	83,82	82,89	81,11			152,9
MEASURED OASPL				93,24	96,83	95,62	95,71	95,94	97,66	96,29	97,81	97,74	98,47	97,87	97,53	99,27			
CALCULATED OASPL				92,69	95,32	95,35	95,29	95,45	97,51	96,29	97,65	97,49	98,27	96,96	95,97	97,55			
PNDB				106,6	109,8	110,3	109,7	109,1	112,1	109,9	112,4	111,8	113,2	110,8	106,8	108,2			
																		OAPWL:	157,4

AMBIENT TEMP. 33.20
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.86
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/77 A/D 2/3/77-3

RUN=11 RDG=132 SPEED=7767

C40

RADIAL DISTANCE 252

DATE: 2/25/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				-.353	.4898	-1.21	-1.66	-1.89	-3.66	-4.26	-2.63	-.964	-.372	.6145	3.247	8.228			
63				-2.11	-.771	-1.44	-1.86	-2.43	-3.17	-3.14	-1.85	-1.12	.2187	1.397	3.487	7.948			
80				-2.73	-1.22	-2.53	-2.61	-3.29	-2.94	-2.85	-1.86	-.416	.8582	2.572	4.235	7.222			
100				-3.38	-2.31	-4.16	-3.48	-3.61	-3.48	-2.57	-1.74	-.382	1.329	2.652	5.247	7.845			
125				-2.35	.6347	-2.12	-2.13	-3.85	-2.91	-2.29	2.502	1.836	1.924	2.216	2.647	3.733			
160				-3.59	-2.49	-4.96	-3.82	-3.62	-3.16	-2.27	-.884	.3423	1.696	3.758	4.638	5.898			
200				-4.15	-3.28	-5.74	-4.44	-4.23	-3.13	-1.74	-.932	.5868	1.922	4.125	5.923	4.175			
250				-4.58	-3.83	-5.27	-6.81	-4.53	-2.99	-1.88	1.984	.3619	1.313	3.859	5.511	4.382			
315				-.537	.9666	-.847	-2.67	-2.85	-2.68	-.426	.2672	.8765	.3692	3.837	2.437	3.759			
400				-1.28	-.183	.7525	.3219	-.293	-1.47	.7553	-.376	-.269	.8117	.8218	1.722	3.282			
500				-2.29	-.284	-.874	-.133	1.179	.9325	-.657	-.411	.8259	1.598	2.629	.3498	-.972			
630				-3.22	-2.39	-2.83	1.125	1.869	1.623	-.247	-.718	1.306	.8721	2.369	1.858	-2.23			
800				-3.75	-3.24	-4.84	-4.87	-2.35	-1.18	.9732	.8875	3.146	1.964	2.464	-.169	-1.96			
1000				-3.28	-1.70	-2.52	-.642	-1.18	.1231	1.644	.5318	.7816	2.271	2.934	1.175	-.329			
1250				-4.15	-.979	-1.13	.8885	2.159	2.714	1.966	.2939	-.271	.2477	-1.14	-2.65	-3.64			
1600				-6.65	-2.67	-.956	1.837	2.179	4.788	1.548	-.424	-2.85	-.647	-1.97	-4.34	-4.74			
2000				-7.27	-2.83	.6491	.2516	.989	5.182	.3844	.3951	-1.81	-.388	-1.75	-5.14	-3.74			
2500				-4.28	-4.61	-.675	.1775	3.152	1.117	2.789	2.962	1.416	-2.47	-4.44	-4.84	-5.28			
3150				-3.24	-3.86	-3.89	2.239	3.274	.2286	2.412	2.492	1.818	-1.83	-3.19	-3.62	-8.92			
4000				-2.34	-.448	-2.67	.8614	.2138	2.258	2.899	.6163	.8794	2.664	.1942	-4.82	-5.86			
5000				-4.62	.3828	1.848	-1.42	-3.64	2.247	-2.47	2.641	1.481	3.867	.3119	-7.87	-3.59			
6300				-1.28	-1.24	1.142	-.182	.1475	-.586	.8612	2.328	3.314	.4283	-2.83	-3.68	-3.22			
8000				-1.38	-1.45	-2.19	-1.26	-1.25	1.233	.5869	2.987	2.116	2.678	.7817	-4.73	-5.41			
10000				-3.77	-2.31	-2.76	-.828	-1.25	2.279	1.798	1.518	2.482	2.939	-1.23	-3.99	-3.73			

AMBIENT TEMP.	33.82
WET-BULB TEMP.	27.45
BAR. PRESSURE	28.94
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/70-3

RUN=11 RDG=100 SPEED=7727

RADIAL DISTANCE 252

DATE: 2/25/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L.)
50				75.62	76.34	75.36	75.26	75.32	76.79	75.85	77.98	78.75	79.35	81.29	83.99	89.25			137.6
63				73.84	76.26	76.29	75.73	76.54	77.76	78.11	79.36	79.85	82.7-	82.58	85.28	89.72			139.6
80				73.87	75.88	75.19	75.41	76.52	77.64	77.99	79.05	80.39	81.59	83.55	85.69	87.89			138.5
100				74.52	75.91	75.41	76.93	77.24	78.38	79.29	80.69	81.38	83.22	84.88	87.35	87.94			139.6
125				81.99	82.54	84.85	84.11	87.27	84.89	85.54	85.25	87.78	85.24	88.39	86.66	88.43			144.2
160				75.34	77.76	75.18	76.15	78.23	78.85	78.58	79.52	81.44	82.17	84.37	85.29	86.22			138.8
200				73.22	72.79	72.69	72.39	73.42	75.32	76.54	77.45	78.45	79.22	82.19	84.25	82.12			136.3
250				70.86	70.49	67.89	67.34	69.85	72.74	74.12	76.31	78.25	76.24	79.22	81.59	80.78			133.9
315				70.91	71.85	71.12	68.73	69.51	69.56	70.98	72.48	73.34	73.86	75.21	74.76	77.95			132.9
400				73.48	73.48	75.79	75.23	75.59	75.34	74.86	75.44	77.46	79.37	79.95	77.83	79.24			135.1
500				76.13	77.59	78.32	79.41	78.81	79.90	79.65	79.62	82.97	82.42	84.72	81.31	76.99			138.8
630				76.67	78.41	79.83	80.24	79.79	81.23	81.96	81.85	83.36	82.78	84.96	83.47	78.29			142.2
800				79.68	81.94	79.45	78.86	79.82	82.31	84.88	85.69	85.92	82.81	84.67	82.25	80.93			141.9
1000				74.21	76.93	77.69	78.39	78.98	79.18	79.43	78.18	80.29	80.84	81.41	79.52	80.23			138.1
1250				80.29	86.31	87.14	86.82	88.62	89.82	87.68	82.42	83.19	83.29	83.85	82.49	80.34			145.4
1600				76.29	80.25	82.08	83.37	83.73	87.15	83.69	81.37	80.56	82.86	82.51	79.84	78.83			142.2
2000				75.53	81.54	84.44	83.61	83.48	86.54	81.25	82.57	79.67	81.25	82.43	77.29	79.12			141.9
2500				74.32	77.33	81.45	81.63	83.09	80.74	83.19	82.67	81.69	77.88	77.82	76.23	76.31			142.6
3150				79.23	79.26	79.65	84.15	85.12	81.81	83.74	83.35	83.54	79.66	78.95	79.14	73.39			142.3
4000				80.42	82.87	82.88	83.27	82.49	84.09	84.17	81.88	82.66	84.24	82.29	78.32	78.52			143.3
5000				83.83	88.97	90.16	85.68	84.69	92.92	87.89	90.67	91.38	92.93	88.91	81.97	80.43			152.7
6300				79.98	82.54	83.51	81.62	81.67	81.21	82.89	83.87	84.79	81.92	82.25	78.62	78.51			144.2
8000				80.83	82.45	82.24	82.25	79.89	82.90	81.98	83.87	83.35	83.92	82.28	76.71	75.56			145.3
10000				79.79	81.22	81.46	82.44	81.18	84.53	85.93	85.98	86.33	87.24	83.96	82.22	79.87			149.9
MEASURED OASPL				92.25	96.17	95.96	95.99	96.39	98.23	96.97	96.94	97.75	97.96	96.35	97.85	99.15			
CALCULATED OASPL				91.64	95.25	95.07	95.41	95.74	97.89	96.49	96.64	97.32	97.63	97.27	96.32	97.64			
PNDB				109.4	109.2	110.1	108.4	108.7	112.3	109.6	111.7	111.6	112.3	110.3	106.7	107.8			
																		OAPWL	157.8

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.422

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/O 1/32/72 R/W 2/3/72-3

RUN=11 RD=1.2 SPEED=7902

RADIAL DISTANCE 25'

DATE: 2/23/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	6.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-3.99	-2.88	-4.45	-4.56	-4.49	-3.82	-3.96	-1.83	-1.26	-.469	1.282	4.176	9.233		
63				-6.94	-4.52	-4.48	-5.65	-4.24	-2.99	-2.67	-1.42	-.928	-.243	1.827	4.321	8.945		
80				-6.65	-4.63	-5.33	-5.12	-4.22	-2.87	-2.52	-1.47	-.128	1.276	3.829	5.175	7.377		
100				-7.21	-5.62	-6.12	-5.21	-4.29	-3.15	-2.24	-.833	-.152	1.467	3.348	5.817	6.429		
125				-3.88	1.604	-1.22	-1.76	1.396	-.982	-.329	-.842	1.925	-.429	2.318	.7814	2.559		
160				-5.23	-2.81	-5.39	-4.42	-2.54	-2.52	-1.99	-1.25	.8726	1.597	3.798	4.527	5.652		
200				-4.97	-5.28	-7.29	-5.62	-4.59	-2.67	-1.43	-.544	.4572	1.225	4.204	6.254	.125		
250				-4.60	-4.97	-7.56	-8.11	-5.63	-2.72	-1.35	1.258	-.287	.7842	3.763	5.932	5.327		
315				-1.44	-.497	-1.23	-3.62	-2.84	-2.79	-1.37	.1382	.9896	1.517	2.659	2.412	5.624		
400				-2.93	-2.93	-.619	-1.39	-.816	-1.87	-1.58	-.972	1.044	2.958	3.536	1.413	2.848		
500				-3.29	-2.43	-1.71	-.622	-1.22	-.898	-.372	-.224	.9429	2.388	4.877	1.284	-3.24		
630				-4.62	-2.89	-1.46	-1.65	-1.58	-.859	.6892	.2542	2.265	1.471	3.672	2.177	-3.27		
800				-2.39	-.935	-3.23	-4.82	-3.85	-.587	3.198	2.815	3.842	-.298	1.792	-.628	-1.95		
1000				-4.83	-1.92	-1.16	-.446	.1371	.2576	.5641	-.666	1.243	1.999	2.564	.6791	1.388		
1250				-5.88	.3395	1.193	2.845	2.650	3.852	1.712	-3.55	-2.78	-2.69	-2.12	-3.48	-5.63		
1600				-6.48	-2.24	-.427	1.278	1.242	4.668	1.197	-1.12	-1.93	.3712	.8178	-2.65	-3.65		
2000				-4.41	-.488	2.476	1.663	1.534	4.598	-.693	-1.37	-2.28	-.691	-1.51	-4.64	-3.84		
2500				-6.12	-3.11	1.215	1.198	2.659	.3227	2.762	2.235	1.263	-2.55	-3.41	-4.22	-4.15		
3150				-2.47	-2.64	-2.25	2.453	3.421	-.687	2.269	1.652	-.837	-2.24	-2.15	-2.56	-8.31		
4000				-1.76	.6835	-1.31	1.283	.3933	1.908	2.728	-.304	.4788	2.258	-.393	-3.87	-5.66		
5000				-8.37	-.227	.9537	-3.52	-4.51	3.721	-2.12	1.471	2.175	3.731	-.298	-7.23	-3.58		
6300				-1.75	-1.19	1.773	-.213	-.129	-.519	1.158	2.137	3.258	.1862	-1.68	-3.13	-3.22		
8000				-1.28	-.865	-2.87	-1.26	-1.72	1.274	.6739	2.564	2.836	2.614	.7678	-4.59	-5.75		
10000				-3.96	-2.54	-2.30	-1.32	-2.58	.5738	2.172	2.173	2.567	3.281	.2852	-3.54	-3.89		

AMBIENT TEMP.	33.22
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 59 & 5C T/D 1/32/77 R/D 2/3/77-3

RUN=11 RDG=131 SPEED=7977

RADIAL DISTANCE 25i

DATE: 2/15/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET: 8.2	18.2	28.2	38.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50	77,27	76,74	76,49	76,81	76,49	76,93	76,25	78,42	79,42	84,15	81,72	85,11	92,31						138,9
63	74,76	75,83	77,17	74,68	76,69	77,39	77,93	76,93	82,85	81,61	83,69	86,11	92,94						139,4
80	74,93	75,66	76,44	76,36	77,29	77,97	78,94	79,53	81,83	82,38	84,81	87,28	88,53						138,7
100	75,61	75,71	76,42	77,61	78,39	79,16	80,49	81,67	82,38	84,36	86,24	86,26	92,28						141,1
125	84,39	88,39	85,23	89,26	90,22	90,82	87,25	86,92	84,86	85,18	84,87	88,83	91,19						149,5
160	78,14	80,36	77,95	78,54	82,43	82,75	81,19	81,73	82,49	83,84	85,95	87,32	88,74						141,2
200	74,33	72,35	72,48	74,88	75,41	76,48	78,25	79,78	80,78	77,94	81,85	84,63	87,18	84,79					138,8
250	71,82	69,58	66,91	69,69	72,64	74,89	75,56	79,81	80,87	79,49	83,25	85,15	82,55						137,1
315	73,46	72,39	72,32	68,58	69,47	70,93	73,15	75,92	76,31	75,71	77,73	77,79	79,25						132,8
400	76,42	75,64	76,30	74,46	75,59	75,14	79,68	74,84	75,26	76,92	76,81	77,89	79,24						134,4
500	78,88	79,26	78,32	79,17	79,44	79,85	79,31	79,53	79,48	80,47	82,79	79,22	77,14						138,1
630	78,86	79,88	82,96	83,42	83,46	83,68	84,67	83,28	83,28	82,22	85,96	83,38	78,34						141,7
800	78,99	78,41	80,74	81,85	82,85	82,87	84,43	85,88	84,88	83,79	85,11	83,71	81,93						142,3
1000	76,24	79,44	80,15	79,35	80,19	79,83	80,87	80,69	81,96	83,95	84,86	82,43	80,38						142,1
1250	82,33	86,88	87,46	81,28	82,48	80,93	80,85	84,56	83,88	84,56	84,81	84,22	81,22						142,8
1600	76,91	80,85	81,46	84,25	84,87	86,12	82,93	80,93	81,27	82,52	82,64	79,47	78,72						141,8
2000	76,88	78,29	83,33	83,34	84,51	85,84	88,55	81,76	80,38	81,66	81,35	77,86	78,88						139,7
2500	74,91	76,37	79,34	80,47	81,18	79,73	81,32	82,93	81,65	77,91	77,59	75,67	76,24						142,1
3150	80,13	79,83	78,47	84,29	84,22	86,57	82,76	83,87	83,93	79,79	79,88	78,76	73,82						142,9
4000	81,46	83,18	79,61	82,98	81,55	83,71	83,87	81,78	82,37	84,16	82,81	77,97	76,49						140,6
5000	83,94	88,82	87,75	84,58	86,49	92,19	87,33	89,94	91,68	92,22	88,27	79,73	84,99						143,9
6300	88,37	88,18	82,83	81,73	81,62	81,48	81,99	83,71	84,66	82,48	80,39	77,89	78,62						145,3
8000	88,84	79,75	78,74	88,99	79,42	81,82	88,87	85,33	83,28	83,62	82,61	75,74	75,17						148,4
10000	79,67	79,97	79,27	81,28	80,47	82,11	83,34	85,44	84,84	85,34	83,80	77,94	78,62						
12500																			
MEASURED OASPL	93,66	95,82	95,48	96,97	96,58	96,82	97,31	97,43	97,76	98,26	98,48	99,38	102,9						
CALCULATED OASPL	92,99	95,22	94,98	96,38	97,64	98,31	96,58	97,88	97,26	97,82	97,68	97,67	99,22						
OASPL	186,2	188,7	188,7	188,5	188,8	112,1	189,8	111,9	111,6	112,2	110,4	106,3	127,9					CAP-LI	157,1

AMBIENT TEMP. 33,82
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/26/72 R/D 2/3/72-3

RUN=11 RDD=18% SPEED=8122

RADIAL DISTANCE 250

DATE: 2/25/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.0	10.0	22.5	33.8	45.2	56.2	67.5	78.8	90.0	101.2	112.5	123.8	135.0	146.2	157.5	168.8	180.0 (DWL)
50	-3.49	-4.21	-4.65	-4.74	-4.26	-3.82	-4.51	-2.34	-1.33	-.6.1	.9815	4.355	9.557				
63	-6.81	-5.74	-4.41	-4.89	-4.88	-4.48	-3.84	-2.64	-1.52	.6373	2.126	4.535	9.369				
80	-6.86	-5.91	-5.32	-5.19	-4.98	-3.79	-3.22	-2.23	-.738	.8257	3.166	5.298	8.166				
100	-7.44	-7.34	-6.64	-5.44	-4.66	-3.89	-4.96	-1.45	-.672	1.329	3.187	6.711	7.248				
125	-2.72	1.279	-2.29	-2.26	2.497	2.781	-.272	-.415	-2.46	-1.94	-.914	1.511	3.979				
160	-4.79	-2.57	-4.99	-4.38	-.969	-.181	-1.74	-1.29	-.447	.9746	3.213	4.371	5.823				
200	-8.87	-8.25	-8.32	-8.32	-6.79	-3.98	-2.15	-.819	.3871	1.448	4.226	6.499	4.398				
250	-6.82	-9.85	-8.71	-8.92	-5.98	-3.73	-2.66	.3891	1.492	.8775	4.633	6.531	3.927				
315	-1.49	-1.96	-1.99	-5.76	-4.68	-3.43	-1.21	.6829	1.948	1.351	3.370	3.383	4.892				
400	.7169	-.243	.6191	-1.22	-.288	-.944	.8815	-.784	-.418	1.234	1.123	1.418	3.959				
500	-.428	-.245	-.985	-.132	.1372	.5479	.8794	.2285	.1732	1.169	3.491	-.283	-2.14				
630	-3.89	-3.63	-1.74	.7135	.7548	1.171	2.159	.3681	.5697	-.562	2.892	.6716	-4.37				
800	-4.29	-4.82	-2.49	-2.18	-.384	-.366	1.388	1.765	3.642	.9335	1.875	.4779	-1.31				
1000	-4.81	-1.41	-.492	-1.38	-.651	-1.21	.8185	-.159	1.118	3.799	3.213	1.585	-.469				
1250	-5.56	-.912	-.431	3.383	5.082	3.335	1.854	-3.33	-4.82	-3.36	-3.89	-3.63	-6.67				
1600	-5.44	-2.38	-.894	1.899	2.518	3.768	.9745	-1.43	-1.26	.1681	.4878	-2.89	-3.64				
2000	-4.99	-1.43	1.443	1.488	2.623	3.955	-1.34	-.121	-1.58	-.224	-.539	-4.82	-3.21				
2500	-4.57	-3.11	-.142	.9834	1.694	.2457	1.834	3.845	2.167	-1.58	-1.89	-3.81	-3.44				
3150	-1.42	-2.51	-3.13	2.742	2.676	-.977	1.217	2.324	2.386	-1.75	-1.74	-2.79	-7.73				
4000	-.469	1.233	-2.26	1.831	-.328	1.841	1.197	-.289	.4988	2.294	.9375	-3.89	-5.36				
5000	-4.22	-.429	-.733	-3.98	-3.98	3.714	-1.15	1.465	2.612	3.739	-.285	-8.79	-3.49				
6300	-1.18	-1.44	.4683	.1845	.8574	-.872	.4435	2.162	3.115	.9329	-.959	-3.66	-2.93				
8000	-.646	-1.53	-2.52	-.298	-1.66	.5377	-.417	3.743	1.919	2.318	1.325	-5.84	-6.11				
10000	-2.63	-2.33	-3.03	-1.62	-1.84	-.191	1.842	3.235	2.538	3.238	.6996	-4.37	-5.69				

AMBIENT TEMP.	33.28
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/38/72 R/D 2/3/72-3

RUN=11 ROS=182 SPEED=8180

RADIAL DISTANCE 254

DATE: 2/25/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	52.0	62.0	72.0	82.0	92.0	102.0	112.0	122.0	132.0	142.0	152.0	162.0	172.0	(PWL)
50				74.86	73.49	74.15	76.97	77.27	77.59	77.11	76.95	80.24	86.79	82.92	86.79	91.82			139.7
63				73.94	74.99	77.88	77.23	77.15	78.26	78.91	76.88	80.58	82.21	84.47	87.89	92.92			142.8
80				74.31	75.23	76.49	76.84	77.53	78.88	79.78	80.44	82.14	83.82	85.42	88.15	91.15			142.6
100				75.26	75.23	76.87	78.55	79.82	80.27	81.25	82.22	83.42	84.93	86.96	90.47	91.45			142.1
125				81.21	84.52	83.77	85.57	86.83	86.29	88.28	86.54	87.37	85.23	87.92	90.27	91.72			144.7
160				78.97	81.65	82.91	82.96	82.42	83.86	85.51	84.45	85.60	84.72	87.36	88.43	89.52			142.9
200				75.84	73.17	72.44	75.18	76.16	77.69	79.12	78.94	81.49	82.43	85.29	87.73	88.85			139.5
250				72.47	69.92	69.71	73.25	73.12	75.41	77.22	78.77	80.12	79.52	83.63	84.98	83.37			137.2
315				72.38	72.59	73.87	78.29	78.78	71.47	74.14	75.38	77.56	76.89	79.78	78.67	80.83			134.8
400				76.35	76.12	78.57	76.81	76.59	75.69	75.71	76.18	77.68	78.98	79.57	79.88	81.95			136.1
500				79.84	79.87	82.37	82.78	81.58	82.64	82.84	82.48	82.21	82.92	84.87	82.47	80.11			140.4
630				79.86	82.88	81.81	83.21	84.23	84.26	85.84	85.65	84.52	84.64	86.47	85.36	88.96			142.8
800				82.93	85.76	83.48	84.59	85.89	87.69	86.51	89.22	87.93	88.31	86.77	85.89	84.33			145.5
1000				78.23	79.69	80.19	81.87	81.58	81.43	82.48	82.28	82.32	84.77	84.94	83.62	81.88			141.2
1250				82.97	86.46	87.27	90.38	92.24	90.55	88.72	84.47	83.51	84.83	83.48	83.38	82.10			147.8
1600				79.75	83.31	84.73	86.25	87.27	87.71	84.87	82.84	82.88	84.29	83.66	81.52	82.91			143.9
2000				78.25	81.48	84.30	82.57	82.54	85.45	81.37	81.92	80.52	82.44	81.49	78.87	80.52			141.9
2500				75.69	77.38	81.89	80.39	80.35	80.45	83.44	84.11	82.28	78.97	77.48	77.15	77.42			140.8
3150				81.12	78.91	78.73	83.24	83.42	80.47	83.77	84.35	84.18	80.38	78.39	78.83	74.54			142.2
4000				82.16	83.28	80.42	82.67	82.89	83.56	84.99	82.21	83.22	84.49	81.86	78.86	77.21			143.4
5000				83.19	84.87	87.12	83.19	85.58	90.29	88.74	90.95	92.14	91.23	84.49	79.53	83.84			149.7
6300				81.15	80.86	82.83	81.93	82.41	82.47	84.16	84.93	86.33	83.77	80.78	79.44	79.91			145.2
8000				83.64	86.86	86.42	79.22	79.45	82.88	82.59	85.22	84.51	83.73	82.13	76.22	75.39			145.7
10000				79.77	80.54	79.18	80.89	80.73	82.62	84.67	85.64	85.35	85.25	82.86	78.17	78.49			148.6
MEASURED OASPL				93.76	96.27	96.29	97.27	97.16	98.02	98.51	98.68	98.94	99.13	99.56	100.5	102.2			
CALCULATED OASPL				93.18	95.56	95.56	96.45	97.36	98.18	97.86	98.13	98.37	98.33	98.17	98.79	102.4			
PNDB				136.3	138.6	138.9	138.2	139.2	111.7	111.2	112.2	112.6	112.1	109.9	107.3	108.4			
																		OAPWL:	157.6

AMBIENT TEMP. 53.00
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 59 & 5C T/D 1/31/78 R/D 2/3/78-3

RUN=11 RD=183 SPEED=8342

C46

RADIAL DISTANCE 250

DATE: 2/25/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
52				-5,25	-6,43	-5,77	-4,95	-4,72	-4,33	-4,81	-2,97	-1,88	-1,13	1,883	4,873	9,933		
63				-9,30	-7,95	-5,86	-5,91	-5,79	-4,88	-4,22	-3,26	-2,36	-,726	1,533	4,948	9,983		
80				-6,37	-7,45	-6,19	-5,86	-5,15	-4,79	-2,98	-2,83	-,563	,3367	2,738	5,467	8,465		
100				-8,76	-8,79	-7,16	-5,48	-5,81	-3,95	-2,78	-1,81	-,624	,9922	2,939	6,444	7,427		
125				-5,38	-2,28	-2,82	-1,23	-1,77	-,311	1,483	-,256	,7693	-1,36	1,328	3,469	5,119		
160				-5,65	-2,97	-3,71	-1,66	-2,28	-,762	,8892	-,176	,9836	,8992	2,744	3,489	4,884		
200				-6,85	-7,94	-8,67	-6,01	-4,95	-3,42	-1,99	-1,15	,3862	1,522	4,187	6,625	4,742		
250				-4,31	-9,26	-9,37	-8,53	-5,56	-3,37	-1,56	-,839	1,343	1,022	4,849	5,795	4,593		
315				-3,39	-2,85	-2,38	-5,15	-4,67	-3,97	-1,31	-,268	2,189	,6858	4,332	3,218	5,486		
400				-1,86	-1,38	1,159	-1,39	-,862	-1,71	-1,69	-1,23	,2674	1,507	2,162	2,473	4,493		
500				-2,59	-1,76	,7366	1,147	-,247	1,211	,4183	-,948	-1,42	1,294	3,244	,8416	-1,52		
630				-3,98	-2,[illegible]	-2,33	-,629	,3952	,4259	1,231	1,889	,6672	,8221	2,636	1,524	-2,88		
800				-4,38	-,653	-2,93	-1,82	-,514	1,279	,1882	2,887	1,518	2,903	,3637	-1,32	-2,88		
1000				-3,71	-2,24	-1,75	-,865	-,435	-,584	,5368	,3357	,3853	2,829	2,997	1,681	-,856		
1250				-4,98	1,112	-,277	2,926	4,663	2,999	1,167	-3,88	-4,25	-2,72	-4,87	-4,17	-5,45		
1600				-4,56	-,991	,4255	1,946	2,964	3,418	,5690	-1,46	-2,38	-,803	-,644	-2,76	-3,39		
2000				-3,73	-,383	2,488	,5837	,5679	3,668	-,618	-,262	-1,67	,6565	-,292	-3,11	-1,47		
2500				-4,96	-3,27	,4411	-,256	1,714	-,281	2,795	3,459	1,616	-1,67	-3,17	-3,49	-3,23		
3150				-,489	-2,69	-2,88	1,455	1,813	-1,14	2,162	2,742	2,575	-1,23	-2,22	-1,98	-7,27		
4000				-,178	,9559	-1,91	,3423	-,242	1,231	2,667	-,121	,8961	2,071	-,469	-3,47	-5,12		
5000				-5,29	-1,42	-1,16	-5,89	-2,78	2,489	,4789	2,042	3,849	2,939	-1,79	-2,76	-4,33		
6300				-1,56	-1,85	,1219	-1,18	-,299	-,259	1,455	2,224	3,624	1,266	-1,93	-3,27	-2,79		
8000				-1,23	-1,61	-3,25	-2,45	-2,82	1,133	,0273	3,548	2,838	2,058	,4574	-5,45	-6,27		
10000				-2,69	-2,42	-3,36	-2,37	-1,73	,1556	2,211	3,179	2,891	2,588	-,383	-4,29	-3,97		

AMBIENT TEMP. 33,82
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 R/D 2/3/79-3

RUN=11 RDR=103 SPEED=8387

RADIAL DISTANCE 25R

PAGE: 1

DATE: 2/30/78

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 8.0	18.0	28.0	38.0	48.0	58.0	68.0	78.0	88.0	98.0	108.0	118.0	128.0	138.0	148.0	158.0	168.0	178.0	(PWL)
50	74,91	74,59	74,38	74,84	74,99	77,38	77,33	79,18	80,98	81,42	83,26	87,14	92,44						142,1
63	74,37	75,08	77,25	77,89	77,22	77,85	78,24	79,78	80,72	82,44	84,54	88,19	93,33						141,8
80	74,78	74,84	77,88	77,87	77,44	78,43	78,78	80,33	81,48	83,41	86,21	88,74	93,18						141,1
100	75,53	75,88	77,89	78,48	78,74	80,12	81,24	82,98	83,11	85,85	87,83	90,26	91,65						142,1
125	76,77	77,48	77,85	78,21	79,29	82,17	83,84	84,88	85,42	86,37	87,36	89,94	91,12						142,8
160	76,55	77,93	77,39	78,37	79,14	84,38	84,58	86,77	87,18	87,41	87,29	88,56	89,21						143,1
200	74,83	73,44	72,88	74,32	78,42	72,39	79,88	80,14	81,44	82,88	83,44	87,49	88,44						139,9
250	72,88	70,28	69,84	69,38	72,63	74,39	76,19	78,19	79,12	79,75	83,88	89,84	82,98						136,9
315	73,37	73,36	74,18	78,88	73,48	78,84	74,84	74,47	74,83	75,45	78,87	79,47	88,89						133,9
400	75,88	76,82	76,66	76,73	73,18	77,75	76,74	77,46	76,32	78,09	79,42	77,88	81,49						136,2
500	79,82	82,93	82,37	83,21	83,38	82,14	83,99	84,18	81,89	83,88	84,88	81,81	79,24						141,8
630	82,53	87,17	89,66	89,92	88,69	89,38	88,21	38,78	85,81	85,88	84,63	85,44	88,48						145,4
800	79,38	81,88	82,23	83,87	84,84	84,87	87,37	84,28	88,44	91,88	88,97	84,78	83,87						142,4
1000	78,25	81,25	82,32	82,87	31,87	88,68	81,98	82,13	83,73	86,51	85,94	84,89	88,71						140,2
1250	81,32	82,48	83,82	84,31	83,95	83,28	83,84	83,88	81,44	83,43	84,44	88,18	81,44						144,2
1600	82,47	85,78	84,84	87,15	86,58	85,79	85,98	84,11	84,38	85,58	85,51	82,16	81,46						145,3
2000	79,26	81,98	83,84	82,34	83,68	84,87	83,47	81,22	88,46	82,45	82,42	78,82	82,24						141,3
2500	77,48	78,89	80,95	80,84	81,72	80,89	82,98	84,23	83,21	79,99	78,69	77,87	78,95						140,9
3150	81,88	78,48	77,48	83,89	83,85	83,47	84,41	84,98	88,84	84,28	88,47	88,28	84,88						142,7
4000	82,87	83,89	79,35	83,11	81,68	83,92	84,89	83,88	83,11	84,82	83,29	79,22	77,14						145,7
5000	82,89	88,38	88,33	82,82	84,74	88,27	88,71	88,17	88,22	84,88	82,17	88,87	83,29						150,2
6300	82,21	81,19	82,93	82,38	84,84	84,41	86,95	87,94	88,79	86,17	88,82	88,84	81,89						147,2
8000	88,88	78,98	77,48	78,83	78,48	82,29	82,76	83,74	83,31	83,78	82,82	78,31	74,99						148,2
10000	79,38	78,71	77,85	80,92	82,98	82,84	83,25	88,28	85,89	84,77	82,34	77,89	78,24						148,3
MEASURED OASPL	93,87	95,88	95,81	97,86	96,75	98,24	98,61	99,64	99,38	99,73	100,3	100,7	102,4						
CALCULATED OASPL	93,24	93,84	93,18	94,79	95,86	97,44	98,15	98,48	98,95	99,15	99,83	98,94	100,4						
PNDB	100,8	107,9	107,9	106,7	109,3	111,4	112,8	112,8	113,3	112,9	110,8	107,7	100,2						

OAPWL: 157,8

AMBIENT TEMP. 33,88
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,422

FAA FAN/COMPRESSOR - PHASE 2B & 3C T/D 1/30/78 R/D 2/3/78-3

RUN=11 RDS=184 SPEED=8888

RADIAL DISTANCE 250

DATE: 2/25/79

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 8.0	18.0	28.0	38.0	48.0	58.0	68.0	78.0	88.0	98.0	108.0	118.0	128.0	138.0	148.0	158.0	168.0	178.0	(PWL)
50																			
	-8.44	-8.72	-8.99	-8.91	-8.35	-8.88	-8.82	-8.17	-1.77	-.944	.7125	4.795	10.89						
63	-8.81	-7.29	-8.93	-8.89	-8.96	-8.33	-4.94	-2.48	-2.46	-.743	1.366	4.978	10.15						
80	-8.34	-7.88	-8.83	-8.84	-8.44	-8.40	-8.41	-8.29	-1.24	.6774	2.885	5.148	8.888						
100	-8.91	-8.16	-8.99	-8.86	-8.38	-8.92	-8.78	-1.84	-.939	1.344	2.982	6.219	7.883						
125	-7.87	-7.83	-7.89	-8.43	-8.38	-2.26	-1.98	.2892	.7882	1.736	2.724	5.328	6.481						
160	-8.33	-6.95	-7.48	-6.52	-5.74	-.882	-.384	1.891	2.296	2.533	2.917	3.678	4.535						
200	-8.36	-7.22	-8.34	-8.47	-8.77	-8.81	-8.41	-1.85	.8981	1.888	4.449	4.449	4.434						
250	-8.44	-8.82	-8.98	-8.86	-8.81	-8.89	-2.89	-.294	.7736	1.911	4.848	8.218	8.889						
312	-8.84	-8.88	-8.13	-8.44	-8.88	-8.87	-8.87	-.488	1.219	.8181	3.883	4.387	8.877						
400	-1.88	-1.93	1.188	-.929	.9468	.1288	-.888	-.892	-1.24	1.438	1.887	.2481	3.748						
500	-2.19	-.834	-.681	2.239	.3384	-.882	.9248	1.218	-1.88	.8338	3.832	.16	-8.71						
630	-8.22	.4284	-1.87	3.171	-.891	-1.44	1.488	2.881	-1.14	-.942	2.888	.38	-8.53						
800	-8.87	-8.88	-8.88	-8.81	-8.44	-8.41	1.884	.4882	2.488	4.888	2.881	-.189	-8.48						
1000	-4.89	-1.89	-.482	.8722	-1.13	-8.18	-.877	7.666	.9826	3.714	3.144	1.889	-.886						
1250	-8.41	.2882	-.1226	1.274	1.812	3.488	1.811	-8.82	8.87	-1.18	-.874	-2.55	-2.79						
1600	-3.19	.1384	1.188	1.499	.9311	4.146	.3886	-1.94	-1.28	-.878	-.148	-3.49	-4.19						
2000	-2.89	.4414	1.788	.9888	-.737	2.781	-.846	-.118	-.734	1.114	1.884	-2.88	-.484						
2500	-3.34	-2.18	-.238	.8532	.9378	-.895	2.182	3.445	2.489	-1.19	-2.89	-3.31	-8.83						
3150	-.248	-3.82	-4.71	1.772	.9389	-1.44	2.295	2.848	2.889	-.888	-1.44	-1.86	-7.23						
4000	.2938	.3184	-3.23	.9361	-.894	1.343	2.419	.4849	.9854	2.238	.7114	-3.38	-5.43						
5000	-8.41	-8.47	-8.82	-8.88	-8.49	1.418	1.886	3.328	4.369	2.484	-8.48	-8.78	-8.84						
6300	-2.98	-3.58	-1.84	-8.47	-.936	-.363	2.182	2.789	3.896	1.398	-.949	-3.88	-3.88						
8000	-1.18	-8.81	-3.71	-2.18	-1.23	1.186	1.487	2.881	2.178	2.847	1.879	-4.35	-4.14						
10000	-2.99	-3.66	-4.91	-1.89	-1.47	.2726	2.881	2.918	2.723	2.387	-.838	-4.27	-4.15						

AMBIENT TEMP. 32.88
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 9B & 9C T/D 1/30/79 R/D 2/3/79-3

RUN=11 RSR=184 SPEED=8500

RADIAL DISTANCE 25'

DATE: 2/25/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7,8	12,8	22,8	33,?	42,?	52,?	60,8	72,?	87,2	92,?	102,2	112,?	122,?	132,?	142,8	152,?	16 ,8	172,? (PWL)
50				73,34	73,55	72,53	72,44	73,62	74,32	72,92	73,99	75,26	75,99	76,55	79,33	84,88		133,7
63				72,33	73,89	74,72	72,38	73,38	73,27	74,88	74,68	75,46	76,47	77,42	79,98	84,74		134,9
80				69,38	72,87	71,59	71,69	72,99	73,34	73,72	74,17	75,84	77,17	78,32	82,24	93,46		133,8
100				73,54	71,72	71,97	73,48	74,21	74,98	75,18	76,24	76,73	78,98	79,71	81,58	83,89		135,8
125				75,31	72,79	74,49	77,82	76,51	79,72	77,61	77,78	77,24	79,73	82,27	83,25	84,69		136,5
160				69,69	73,38	69,44	78,73	71,92	73,64	74,12	74,91	76,45	77,25	79,67	78,85	81,11		133,2
200				68,22	67,69	67,89	68,77	69,93	71,73	73,86	73,78	74,84	75,73	76,85	79,61	77,49		132,3
250				66,37	65,74	64,82	64,75	67,12	72,87	71,27	72,29	72,19	73,86	77,24	78,28	75,7:		132,9
315				68,93	72,19	69,92	66,37	67,28	68,19	68,23	68,81	72,38	69,46	71,5?	72,62	72,59		127,7
400				71,23	71,86	73,74	71,31	72,26	72,52	73,79	69,74	71,57	73,36	73,??	72,49	73,29		132,4
500				75,24	75,28	75,49	74,99	75,54	76,72	75,16	74,97	75,32	76,60	77,95	74,85	72,49		134,1
630				74,45	77,78	76,98	79,29	79,12	79,86	81,41	78,34	79,21	79,19	81,49	78,34	78,13		137,8
800				74,19	76,42	75,44	74,94	74,99	76,87	78,39	78,13	80,46	82,16	82,94	76,88	77,54		136,8
1000				78,37	78,11	77,97	78,33	78,12	78,46	78,29	75,37	77,23	78,36	78,89	77,95	75,37		135,9
1250				88,19	82,66	80,38	80,42	79,67	80,44	79,72	78,32	79,51	82,33	79,78	76,98	75,46		138,9
1600				78,25	80,82	79,76	78,72	78,11	81,92	79,35	78,88	84,27	82,67	81,38	78,82	74,81		140,3
2000				77,84	80,77	82,75	78,98	75,87	80,32	77,33	77,85	77,93	80,76	82,87	74,54	76,48		138,2
2500				78,48	77,75	79,13	77,13	78,97	77,69	82,93	82,29	82,22	78,14	77,86	74,54	74,84		139,1
3150				81,23	79,29	77,26	82,76	81,63	79,42	83,67	84,74	85,92	81,32	82,85	78,23	72,87		142,2
4000				82,99	84,22	84,43	87,14	85,66	86,78	86,81	86,84	87,72	87,38	85,99	84,18	79,42		147,1
5000				84,31	89,22	86,84	92,88	88,99	92,29	88,99	93,29	93,85	89,85	88,22	81,45	83,18		152,3
6300				79,62	83,44	82,53	86,59	81,39	88,46	83,29	86,48	86,13	82,26	79,87	78,44	73,29		144,4
8000				79,35	83,56	78,93	78,76	79,74	81,75	82,33	83,98	84,54	84,97	83,56	76,67	74,55		145,6
10000				79,95	81,55	82,87	81,98	82,39	82,57	83,23	84,22	85,18	85,72	84,32	78,89	77,39		148,7
MEASURED OASPL				91,36	94,21	93,33	94,28	93,91	95,89	94,13	95,81	96,74	95,59	95,27	93,46	94,97		
CALCULATED OASPL				91,44	94,83	93,43	94,58	93,74	95,93	94,33	95,41	96,26	95,72	95,??	92,12	93,7?		
OKDB				185,6	188,7	188,3	189,4	185,5	112,8	188,7	112,1	112,5	112,1	129,2	124,8	125,2		
																	OAPWL	155,8

AMBIENT TEMP. 33,82
WET-BULB TEMP. 27,49
BAR. PRESSURE 29,06
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/I 2/3/72-3

RUN=11 HOS=175 SPEED=7137

C50

RADIAL DISTANCE 250

DATE: 2/15/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7.2	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2	107.2	117.2	127.2	137.2	147.2	157.2	167.2	172.2	(PWL)
50				-2.43	-2.43	-3.45	-3.54	-2.15	-2.67	-3.26	-1.98	-.715	.2123	.5698	3.384	8.928			
63				-4.23	-2.81	-1.69	-4.25	-2.98	-3.29	-1.47	-1.68	-.898	.3185	1.263	3.621	8.421			
80				-4.48	-4.28	-4.24	-4.14	-2.85	-2.82	-2.14	-1.89	-.219	1.316	2.465	4.376	7.596			
100				-8.49	-5.27	-5.82	-3.59	-2.79	-2.88	-1.61	-.928	-.259	1.591	2.721	4.589	6.925			
125				-3.38	-5.59	-3.98	-1.37	-1.83	1.311	-.788	-.628	-1.36	1.336	1.874	2.859	6.286			
160				-8.74	-5.85	-5.99	-4.78	-3.51	-1.79	-1.33	-.523	1.219	1.812	3.632	4.417	5.676			
200				-8.73	-8.24	-4.25	-8.18	-4.22	-2.22	-.887	-.173	.8887	1.754	4.129	5.602	3.349			
250				-8.67	-8.71	-7.63	-7.69	-4.02	-.379	-1.18	-.151	-.258	1.413	4.811	5.841	3.259			
315				-.157	1.289	.8284	-2.71	-1.81	-.897	-.883	-.275	.9897	.3688	2.411	1.714	3.585			
400				-.517	.1174	1.996	-.433	.3183	.7794	-.956	-2.88	-.175	1.618	1.336	.7567	1.557			
500				-.287	-.169	.2961	-.252	.3944	1.469	-.287	-.276	-.225	1.393	2.712	-.397	-2.75			
630				-4.16	-1.84	-1.83	.4785	.3175	1.851	2.599	-.478	.4839	.3837	2.898	-.465	-3.69			
800				-3.52	-1.29	-2.28	-2.78	-2.72	-.889	.6883	.4178	2.747	2.449	3.249	1.898	-.168			
1000				-1.29	1.461	1.249	-.322	-.929	-.194	-.384	-1.28	.9796	1.684	2.243	1.299	-1.28			
1250				.7498	3.239	.6685	.9936	.2497	1.818	.3813	-1.18	.8838	.9112	.3553	-2.82	-3.96			
1600				-1.36	1.211	.1939	-.884	-1.58	2.335	-.256	-.929	.6851	3.862	1.772	-2.78	-2.79			
2000				-1.25	2.482	2.459	-1.31	-2.42	2.825	-1.26	-.438	.387	2.468	1.775	-3.75	-1.81			
2500				-2.18	-1.11	.2744	-1.73	.8395	-1.17	2.871	3.431	3.158	-.723	-1.98	-4.32	-4.82			
3150				-.273	-2.31	-1.34	-.941	.2226	-2.19	2.197	3.137	4.321	-.288	-.753	-3.37	-8.78			
4000				-2.99	.2281	-1.37	1.177	-.331	2.788	.8239	.8511	1.711	1.383	-.816	-5.79	-8.57			
5000				-4.56	.3365	-.329	2.319	.1275	3.428	-1.87	1.424	1.187	.8932	-.641	-7.42	-8.68			
6300				-2.32	-1.51	.9859	-1.38	-.949	-1.49	1.839	2.537	4.181	.3173	-2.37	-3.51	-4.95			
8000				-2.24	-1.82	-2.46	-2.82	-1.84	.1699	.4587	2.395	2.963	3.389	1.976	-4.91	-7.22			
10000				-2.59	-.993	-2.47	-1.47	-.146	.8269	.6836	1.457	2.636	3.171	1.773	-3.55	-5.15			

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDS=185 SPEED=7182

RADIAL DISTANCE 25C

DATE: 2/26/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.2	12.2	26.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				73,32	72,94	73,46	74,49	74,46	73,44	73,91	74,13	75,34	75,69	77,84	80,28	84,93			134,1
63				72,71	72,59	75,97	75,17	74,27	74,26	75,28	75,54	75,84	76,93	76,54	81,35	85,12			134,9
80				78,21	71,67	72,30	73,49	73,68	74,38	74,59	75,39	74,74	77,58	79,11	81,28	83,65			134,5
100				71,23	71,82	72,44	74,83	74,72	75,11	75,92	77,13	77,66	79,15	80,48	83,14	84,28			135,8
125				72,59	72,74	73,85	76,57	77,25	76,82	76,55	80,84	80,48	84,68	86,37	84,86	87,19			138,7
160				71,13	71,78	72,44	72,37	73,28	74,34	74,55	75,71	77,32	78,22	82,29	80,96	81,99			134,6
200				69,85	68,31	68,73	70,38	70,99	72,78	73,68	74,63	74,33	76,48	78,89	82,57	78,24			133,2
250				66,85	65,58	65,73	66,51	67,55	70,59	71,97	73,36	74,82	74,75	76,95	78,47	76,35			131,4
315				68,89	69,58	69,63	67,18	67,82	67,39	68,69	69,44	7	[illegible]	[illegible]	71,3	74,54	73,23		127,8
400				72,23	71,85	73,18	72,45	72,91	72,87	72,48	73,0	[illegible]	[illegible]	[illegible]	73,88	72,97	76,79		131,8
500				74,38	74,46	75,55	74,15	76,36	78,11	76,26	[illegible]	[illegible]	[illegible]	78,29	75,85	73,68			134,7
630				75,37	77,79	77,37	77,93	78,53	78,69	[illegible]	[illegible]	[illegible]	82,27	82,73	79,29	74,52			137,8
800				77,29	82,74	77,35	77,49	80,69	[illegible]	82,93	84,[illegible]	[illegible]	84,86	85,[illegible]	79,87	78,24			142,8
1000				74,77	76,64	76,81	77,59	76,82	[illegible]	77,66	76,89	77,52	80,27	79,89	77,98	76,93			136,4
1250				79,24	81,58	80,48	81,48	82,11	[illegible]	82,72	79,89	79,[illegible]	[illegible]	78,32	76,22	78,12			140,1
1600				78,59	80,56	80,22	81,45	79,68	82,29	79,37	79,[illegible]	79,34	82,02	82,49	76,64	75,99			139,6
2000				75,76	78,45	79,55	77,19	76,83	81,14	77,29	78,[illegible]	77,[illegible]	80,56	78,25	75,68	75,67			137,8
2500				74,85	76,16	78,51	77,59	79,58	77,75	80,[illegible]	82,64	80,95	77,82	76,29	73,33	73,73			138,8
3150				81,13	78,17	76,47	81,52	[illegible]	83,33	82,96	84,[illegible]	[illegible]	[illegible]	81,88	79,21	76,93	[illegible]		142,1
4000				82,75	84,25	82,46	84,84	83,77	87,88	86,[illegible]	85,[illegible]	[illegible]	86,73	83,64	78,41	77,21			145,8
5000				87,82	91,54	88,56	88,21	89,33	94,63	88,[illegible]	[illegible]	85,53	91,35	86,35	82,34	83,91			151,7
6300				81,57	81,16	83,66	81,74	82,36	81,55	84,33	[illegible]	84,66	82,74	78,76	77,72	77,34			144,6
8000				84,81	78,37	78,29	78,82	79,52	82,29	81,49	[illegible]	2,68	84,29	80,96	75,32	74,[illegible]			144,8
10000				81,34	81,66	81,14	82,47	83,33	84,26	83,53	84,[illegible]	83,66	85,59	81,96	78,31	74,[illegible]			148,8
MEASURED OASPL				92,21	94,33	93,71	94,89	94,81	97,26	94,81	95,99	95,24	96,57	95,58	94,69	96,11			
CALCULATED OASPL				92,33	94,58	94,86	94,27	94,21	97,75	94,95	96,22	95,32	96,57	94,95	93,89	94,37			
PNDB				187,2	189,7	189,2	189,3	189,4	112,9	189,3	111,[illegible]	189,9	111,1	188,9	185,2	185,5			

OAPWL: 156,3

AMBIENT TEMP. 33,0F
WET-BULB TEMP. 27,49
BAR. PRESSURE 26,96
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/C 2/3/72-3

RUN#1: RDG=120 SPEED=7300

C52

RADIAL DISTANCE 250

DATE: 2/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50				-2.99	-3.38	-2.86	-1.82	-1.84	-2.65	-2.81	-2.18	-.974	-.624	.7223	3.887	8.619		
63				-4.39	-4.28	-1.13	-1.93	-2.84	-2.85	-1.82	-1.56	-1.26	-.172	1.435	4.245	8.019		
80				-4.36	-4.98	-4.17	-3.87	-2.89	-2.19	-1.98	-1.18	.1681	.9905	2.543	4.785	7.875		
100				-6.55	-6.75	-5.34	-2.94	-3.25	-2.67	-1.85	-.641	-.112	1.375	2.707	5.366	6.529		
125				-7.94	-7.34	-6.73	-4.81	-3.33	-3.96	-5.83	-.538	-.187	4.299	3.794	3.483	6.613		
160				-5.24	-5.59	-5.93	-4.62	-7.29	-2.83	-1.82	-.666	.9487	1.846	3.716	4.991	5.618		
200				-5.84	-6.39	-6.16	-4.51	-3.89	-2.11	-1.22	-.269	1.435	1.628	3.995	5.674	3.349		
250				-3.87	-7.42	-7.19	-6.41	-5.38	-2.33	-1.02	.4437	1.598	1.829	4.831	5.483	3.472		
315				-.353	.3403	.3948	-2.85	-1.42	-1.85	-.545	.2049	1.996	-.174	1.893	1.299	3.992		
400				-.186	-.484	.8525	.1186	.5748	.5436	.1585	-1.33	-.726	1.581	.6713	.6427	2.461		
500				-1.51	-1.42	-.333	.2667	.4775	2.225	.3744	-.881	-.663	1.051	2.407	-.836	-2.21		
630				-3.48	-1.89	-1.47	-.912	-.314	-.157	1.384	1.137	1.659	1.422	2.886	.4475	-4.32		
800				-4.35	-.899	-4.38	-4.16	-.958	-1.38	1.278	2.441	1.292	3.215	3.667	-1.78	-3.39		
1000				-2.33	-.477	-.315	.4714	-.383	.1476	-.047	-.723	.3992	2.958	1.957	.4544	-.191		
1250				-1.37	.9048	.2657	1.983	1.496	3.584	2.186	-.788	-1.49	-.365	-2.29	-4.39	-4.59		
1600				-1.37	.6814	.2698	1.492	-.288	2.318	-.389	-.289	-.616	2.915	.5413	-3.31	-3.97		
2000				-2.18	.5727	1.667	-.681	-1.85	3.263	-.532	.4688	-.867	2.679	.1666	-4.39	-2.41		
2500				-3.72	-2.42	-.871	-.982	1.881	-.829	2.286	4.867	2.372	-.493	-2.29	-5.25	-4.85		
3150				-.362	-3.33	-5.82	.8284	.8345	-.538	2.648	3.444	3.817	.1926	-2.48	-4.56	-9.53		
4000				-1.71	-.213	-2.88	-.423	-.769	3.337	1.611	1.366	.7649	2.269	-.824	-6.86	-7.26		
5000				-3.27	1.245	.2654	-.285	-.967	5.143	-1.64	1.468	-.762	1.863	-1.94	-7.95	-6.38		
6300				-.574	-.991	1.514	-.484	.2114	-.595	2.186	2.252	2.513	.5948	-3.39	-4.43	-4.81		
8000				-.782	-1.42	-2.82	-1.97	-1.27	1.585	.7029	2.619	1.687	3.524	.1652	-5.47	-6.68		
10000				-1.31	-.996	-1.51	-.182	.6889	1.611	.8771	1.538	1.285	2.947	-.689	-4.35	-5.15		

AMBIENT TEMP. 33.00
WET-BULB TEMP. 27.40
BAR. PRESSURE 26.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=126 SPEED=7300

RADIAL DISTANCE 250

DATE: 2/26/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.2	18.2	22.8	30.2	40.2	52.2	67.2	73.2	80.2	90.2	102.2	117.2	123.2	130.2	142.2	152.2	161.2	172.2	(PWL)
63				77.47	76.28	74.49	74.91	75.31	75.64	74.95	75.98	76.52	77.26	78.69	81.83	86.68			135.7
63				77.62	77.17	77.92	78.89	77.78	78.82	77.96	78.43	77.88	78.48	81.33	83.26	87.19			137.4
80				75.16	74.44	74.24	74.22	74.97	76.12	76.27	76.82	77.64	78.55	82.68	82.78	85.22			136.8
100				74.79	73.66	73.62	75.26	75.58	76.49	76.91	77.97	78.83	82.35	81.71	84.32	85.42			136.9
125				75.89	76.85	76.29	80.37	77.88	78.18	79.16	83.44	82.22	84.95	82.93	85.16	87.53			139.8
160				73.73	72.54	71.58	73.43	74.26	75.58	75.49	77.22	76.31	78.43	81.85	82.36	82.82			135.8
200				72.89	69.85	69.41	71.42	72.84	73.81	74.74	75.78	77.24	77.61	79.72	81.87	79.29			134.3
250				71.22	68.69	67.25	68.12	69.14	71.89	73.64	76.81	74.92	75.63	77.93	79.59	76.63			132.4
315				73.58	78.97	74.45	67.81	67.82	68.76	69.14	78.86	71.85	72.86	72.34	72.47	74.72			129.1
400				77.66	73.17	74.83	72.66	73.12	73.17	72.61	71.83	72.52	75.02	75.42	72.79	75.74			138.3
500				76.64	75.52	76.69	76.13	76.66	76.79	75.87	76.19	76.89	78.82	79.79	75.93	73.79			135.1
630				79.12	79.86	79.59	81.15	82.13	81.39	78.71	81.42	81.51	81.32	81.97	79.93	75.41			139.3
800				76.27	76.67	77.24	76.47	78.58	80.23	80.63	83.16	84.56	86.22	82.34	82.84	78.73			140.3
1000				76.86	76.86	76.88	77.11	76.35	76.74	76.36	76.99	78.59	82.65	82.33	78.83	77.51			136.8
1250				79.87	82.91	82.38	82.86	82.69	85.35	83.34	82.43	88.92	83.24	81.24	77.58	76.96			141.5
1600				77.96	78.45	78.83	79.38	79.81	81.69	79.24	78.95	79.26	81.85	80.68	76.62	76.81			138.9
2000				75.38	77.24	76.77	77.53	77.29	79.92	75.95	77.64	77.35	79.55	77.92	73.94	75.79			137.3
2500				75.32	75.18	77.97	78.79	81.24	78.45	80.42	81.27	80.26	76.98	75.25	73.37	74.19			138.4
3150				80.19	76.98	75.87	82.26	83.26	80.38	82.53	83.17	83.21	79.95	78.29	76.69	72.21			141.2
4000				81.89	81.92	80.38	82.64	82.85	85.17	84.24	83.48	83.28	85.49	82.94	77.58	74.61			143.7
5000				87.35	90.19	90.32	89.58	88.50	94.48	87.27	91.33	88.66	92.22	89.62	82.83	85.27			151.3
6300				82.46	79.85	83.21	81.42	82.38	80.72	82.29	83.47	84.19	81.87	79.12	77.52	77.81			143.9
8000				88.73	78.33	78.31	78.99	79.88	81.89	80.29	82.49	81.84	83.22	82.98	75.86	73.93			144.1
10000				82.24	81.18	81.11	83.42	83.65	84.21	84.32	84.91	84.81	86.89	82.89	78.65	78.48			149.4
MEASURED OASPL				93.52	94.87	94.29	94.56	94.44	97.83	94.32	96.28	95.45	97.21	96.12	95.59	97.39			
CALCULATED OASPL				93.13	93.74	93.97	94.29	94.29	97.64	94.18	95.99	95.25	97.28	95.31	94.82	95.46			
PNDB				127.7	128.8	129.2	129.1	128.8	132.2	128.3	132.0	131.2	133.2	131.5	130.6	130.4			
OASPL																			146.1

AMBIENT TEMP. 33.2F
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 B/C 2/3/72-3

RUN=11 RDB=127 SPEED=7527

RADIAL DISTANCE 25R

DATE: 2/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

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FREQ.	ANGLES FROM INLET 7.2°	12.7°	27.8°	37.4°	47.1°	52.7°	62.7°	72.2°	82.2°	92.2°	102.2°	112.2°	122.2°	132.2°	142.2°	152.2°	162.2°	172.2°	(PWL)
50				-,514	-1,77	-3,46	-3,67	-2,67	-2,15	-3,64	-2,41	-1,46	-,927	,6177	3,848	8,721			
63				-1,95	-2,47	-1,84	-2,72	-1,79	-1,87	-1,81	-1,14	-1,68	-,481	1,744	3,692	7,624			
80				-2,89	-3,63	-3,82	-4,24	-3,16	-1,94	-1,99	-1,24	-,427	,5948	2,614	4,716	7,156			
100				-4,14	-5,27	-5,31	-3,67	-3,39	-2,53	-2,82	-,963	-,124	1,412	2,772	5,388	6,484			
125				-5,84	-4,79	-5,39	-1,28	-3,77	-3,46	-2,49	1,798	,3724	3,329	1,283	3,516	5,584			
160				-3,79	-4,97	-5,83	-4,27	-3,25	-1,82	-2,82	-,584	,8839	1,919	3,941	4,833	5,314			
200				-3,83	-6,27	-6,51	-4,51	-3,88	-2,41	-1,18	-,146	1,119	1,691	3,796	5,954	3,129			
250				-2,92	-5,43	-6,87	-5,99	-4,96	-2,02	-,402	1,889	,7982	1,547	3,889	5,466	2,529			
315				3,712	,4743	-,123	-2,76	-2,75	-2,31	-1,43	,2905	1,286	,2915	1,776	1,897	4,148			
400				4,272	-,425	1,234	-,952	-,467	-,421	-,985	-1,76	-1,87	2,227	1,811	-,806	2,168			
500				,3105	-,819	,3589	-,284	,3217	,4639	-,469	-,147	-,333	1,689	3,456	-,486	-2,55			
630				-1,21	-1,29	-,718	,8161	-,818	1,889	-1,82	1,185	1,198	1,211	1,589	-,376	-4,59			
800				-4,88	-4,48	-3,91	-4,69	-2,57	-,919	-,525	2,783	3,412	5,708	1,192	-1,11	-2,42			
1000				-,639	-1,43	-,617	-,389	-1,15	-,754	-1,13	-,499	1,122	3,251	2,839	1,333	,2123			
1250				-2,22	,8426	,3848	,7886	,6177	3,281	1,272	,3548	-1,10	1,165	-,838	-4,49	-8,11			
1600				-1,21	-,529	-,539	,2148	-,198	2,528	,8795	-,214	,8786	2,892	1,438	-2,55	-2,15			
2000				-2,21	-,769	1,467	,2192	-,289	2,413	-1,35	,3336	,8445	2,244	,6167	-3,36	-1,51			
2500				-3,25	-3,27	-,481	,4212	2,868	,8871	2,868	2,899	1,896	-1,41	-3,12	-4,99	-4,22			
3150				-,397	-3,61	-4,73	1,469	2,666	-,213	1,948	2,576	2,414	-,639	-2,37	-3,92	-8,58			
4000				-,738	-,782	-2,23	,2229	,2326	2,551	1,646	,7844	,4612	2,477	-,879	-5,11	-4,21			
5000				-2,47	,3738	,4964	-,235	-1,32	4,586	-2,55	1,513	-1,16	2,397	-,816	-6,99	-4,55			
6300				,9915	-1,62	1,565	-,226	,9322	-,725	,6303	2,723	2,738	,4259	-2,33	-3,95	-3,64			
8000				,8149	-1,78	-1,88	-1,12	-,226	,9866	,1787	2,375	1,732	3,117	,4737	-5,89	-4,10			
10000				-1,88	-2,13	-2,13	,1672	,4892	,9877	1,866	1,671	1,274	3,499	-1,14	-4,99	-4,84			

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.422

FAA FAN/COMPRESSOR - PHASE 99 + 9C. T/C 1/30/72 R/C 2/3/72-3

RUN=11 RD=1.87 SPEED=7582

RADIAL DISTANCE 250

DATE: 2/16/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.2	12.1	24.3	36.	48.	60.	72.	84.	96.	108.	120.	132.	144.	156.	168.	172.2	(PWL)
50				75.7	74.47	74.22	73.33	74.58	75.66	74.95	76.87	77.92	78.10	79.69	82.73	87.32	136.2
63				73.77	76.23	76.85	76.33	78.68	78.68	78.68	78.35	79.12	79.82	81.47	84.28	87.93	137.9
80				72.85	74.44	74.55	74.18	75.97	77.26	77.16	77.75	78.93	79.89	82.14	84.26	86.17	137.1
100				72.63	73.27	73.95	75.24	75.21	77.28	77.77	79.82	82.83	83.45	83.35	86.25	86.95	138.2
125				82.44	83.[illegible]	81.42	79.69	79.47	82.75	84.11	85.21	85.56	84.68	85.29	85.77	87.21	141.2
160				73.11	73.61	72.43	73.88	74.57	76.36	76.78	78.29	79.59	80.59	82.96	83.64	84.41	137.1
200				71.29	69.97	69.94	71.73	72.43	74.25	75.45	76.62	77.59	78.36	81.21	83.22	82.25	135.3
250				68.35	66.43	66.37	67.64	68.99	71.61	72.63	75.68	74.61	74.55	79.14	82.74	76.27	132.8
315				70.11	72.63	76.25	66.58	67.41	68.51	70.27	71.47	72.15	71.68	73.52	73.84	75.47	129.4
400				73.11	72.98	74.12	72.51	75.51	74.33	74.43	74.72	75.26	76.58	76.54	76.17	77.23	133.2
500				75.73	76.25	76.81	76.49	77.69	78.69	77.62	78.24	78.37	79.61	82.15	78.25	75.29	136.7
630				76.32	77.85	79.33	81.21	80.65	81.16	80.85	82.78	83.49	81.51	82.88	82.14	76.32	139.6
800				74.79	76.29	79.54	77.15	77.87	79.64	81.89	82.99	87.95	83.57	83.35	81.75	79.31	140.9
1000				72.57	74.83	75.22	76.32	76.35	77.45	78.15	77.71	78.82	79.37	81.92	82.19	77.52	138.8
1250				76.89	81.99	82.99	85.72	86.62	87.47	84.92	83.15	81.79	83.23	81.62	78.83	77.52	143.1
1600				75.62	78.46	81.83	83.55	84.54	87.66	84.87	81.35	82.91	82.18	81.31	77.98	77.21	142.2
2000				73.49	76.81	83.61	84.58	84.21	87.92	81.78	81.45	79.88	82.97	79.47	76.59	76.63	142.3
2500				73.25	75.12	78.97	81.45	84.54	82.17	83.23	83.59	81.31	77.16	76.47	75.22	74.22	142.8
3150				78.21	77.39	76.80	83.61	85.96	82.22	83.88	84.17	83.42	79.13	78.47	78.20	71.55	142.3
4000				79.96	81.92	79.48	82.64	83.18	84.39	84.24	83.35	83.43	84.22	82.37	77.82	75.64	143.3
5000				84.51	89.71	89.49	87.36	87.19	92.77	87.09	92.47	90.38	91.68	92.51	83.32	85.27	150.9
6300				82.71	81.21	82.76	86.95	82.21	82.78	82.49	84.34	84.61	81.48	79.41	77.86	77.44	143.9
8000				79.17	79.27	78.27	79.28	79.48	81.25	81.11	83.71	82.37	82.97	80.84	76.15	73.73	144.4
10000				79.96	81.38	80.58	82.76	82.94	85.38	85.95	85.67	86.19	85.93	82.58	78.75	79.25	149.8
MEASURED OASPL				91.26	94.14	94.54	94.94	95.74	97.88	95.66	97.16	97.18	96.91	97.24	96.87	92.97	
CALCULATED OASPL				91.6	93.52	94.21	94.61	95.43	97.56	95.44	97.03	96.81	96.55	96.34	95.25	96.28	
PADB				129.3	128.6	128.9	128.6	129.1	112.1	129.2	111.9	112.9	111.2	110.5	106.5	106.7	

OAPWL 136.6

AMBIENT TEMP. 33.62
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.86
ABS. HUMIDITY 2.672

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/C 2/3/77 R/L 2/3/77-3

RUN=11 RDB=124 SPEED=7727

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RADIAL DISTANCE 25R

DATE: 2/28/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	,?	1?,?	2?,?	3?,	4?,	5?,	6?,?	7?,?	8?,?	9?,?	10?,?	11?,?	12?,?	13?,?	14?,?	15?,?	16?,?	17?,? (PWL)
5.				-2,73	-4,16	-4,41	-5,11	-3,04	-2,97	-3,52	-1,63	-,569	-,339	1,259	4,356	8,502		
63				-6,32	-3,80	-3,23	-3,75	-1,41	-,447	-1,42	-1,69	-,972	-,208	1,979	3,983	7,839		
8?				-6,57	-4,69	-4,55	-4,95	-3,23	-1,67	-1,67	-1,38	-,285	,7641	3,288	5,131	7,742		
10?				-7,24	-6,89	-6,21	-4,97	-4,45	-3,29	-2,32	-1,14	-,136	1,288	3,192	5,891	6,782		
125				-2,61	,5726	-2,23	-4,36	-3,69	-2,32	-2,64	2,155	2,529	2,775	2,236	2,717	3,959		
16?				-5,47	-5,39	-4,37	-4,92	-4,24	-2,46	-2,83	-,989	,7907	1,785	4,158	4,836	5,823		
22?				-5,69	-7,28	-6,96	-5,17	-4,47	-2,66	-1,45	-,2881	,6813	1,458	4,327	6,318	3,341		
25?				-5,99	-7,51	-7,97	-6,72	-5,35	-2,73	-1,71	,7379	,2717	,2149	4,822	6,396	3,729		
315				-,693	-,169	-,753	-4,23	-3,39	-2,29	-,733	,6682	1,347	,2751	2,718	3,242	4,622		
40?				-1,39	-1,52	-,379	-1,99	-,908	-,177	-,875	,2282	,7551	2,276	2,234	1,605	2,723		
50?				-2,16	-1,64	-1,28	-1,39	-,196	,7357	-,269	,5455	,4721	1,714	4,269	,1613	-2,79		
63?				-4,31	-3,88	-1,29	,3781	,8159	,5875	,2232	,1459	2,883	,8758	2,255	1,514	-4,32		
80?				-7,12	-5,56	-2,37	-4,69	-4,84	-2,28	,8515	1,153	6,129	1,728	1,522	-,799	-2,53		
100?				-4,96	-2,72	-2,38	-1,22	-1,19	-,283	,6124	,1782	1,281	1,537	3,364	2,496	-,224		
125?				-6,75	-1,66	-,645	2,279	2,974	4,928	1,282	-,489	-1,84	-,418	-2,22	-4,81	-6,12		
160?				-6,91	-4,96	-,881	1,238	2,829	3,145	1,958	-1,17	-1,61	-,418	-1,21	-4,84	-8,58		
200?				-6,83	-3,52	1,288	2,251	1,984	5,395	-,822	-,878	-2,44	-1,36	-2,92	-5,74	-5,69		
250?				-7,35	-5,49	-1,63	,8468	3,941	1,569	2,428	2,992	,7135	-3,44	-4,13	-5,38	-6,58		
315?				-3,76	-4,37	-4,96	1,844	4,199	,2579	2,113	2,488	1,653	-2,63	-3,29	-3,76	-12,2		
400?				-2,26	-,388	-2,74	-,175	,9091	2,182	2,252	1,131	,8135	1,824	,1582	-4,41	-8,97		
500?				-4,91	,7911	,8773	-2,86	-2,23	3,354	-2,32	3,845	,9608	2,256	1,794	-6,12	-4,15		
630?				-,843	-,944	1,231	-,598	,6612	-,775	,9478	2,789	3,261	-,921	-2,14	-3,66	-4,9		
800?				-1,26	-1,29	-2,89	-1,89	-,912	,8832	,7431	3,344	1,996	2,136	,4799	-4,22	-6,64		
1000?				-3,69	-2,27	-3,87	-,897	-,712	1,736	2,296	2,282	2,537	2,279	-1,19	-3,89	-4,39		

AMBIENT TEMP. 33.37
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B @ MC T/D 1/38/77 R/D 2/3/77-3

RUN=11 RC=.108 SPEED=7727

RADIAL DISTANCE 250

DATE: 2/26/73

SOUND PRESSURE LEVELS REDUCED T STANDARD DAY

ANGLES FROM INLET

FREQ.	7.3	10.7	22.2	32.7	47.2	58.7	69.8	77.8	86.8	98.2	108.2	118.8	128.8	138.7	148.8	158.7	168.8	178.8	(PWL)
50				75.65	75.69	75.17	74.84	75.19	75.99	75.53	77.03	78.83	79.89	80.59	84.27	89.23			137.4
63				72.86	75.17	76.23	75.74	75.82	76.45	77.49	78.23	79.43	80.47	82.47	85.32	88.10			138.8
80				72.98	74.59	75.68	75.78	76.21	77.31	77.73	78.74	80.52	81.65	83.86	85.99	88.38			138.6
100				73.91	74.93	75.33	76.57	77.32	78.46	79.19	80.09	81.27	83.17	85.85	87.97	88.76			139.5
125				83.62	89.87	86.87	84.91	88.83	86.27	85.41	85.83	89.22	84.94	87.39	87.24	89.12			144.5
160				78.47	78.46	76.77	76.45	79.89	78.75	79.68	79.99	81.36	80.38	84.79	85.71	87.89			139.4
200				72.81	71.16	70.63	72.79	73.97	75.93	77.53	78.38	79.65	80.27	82.98	85.35	85.19			137.3
250				78.54	80.93	80.14	80.12	78.86	76.21	75.38	77.25	77.28	77.45	80.76	82.76	80.77			139.8
315				71.27	71.71	71.67	67.69	67.75	68.69	71.73	73.48	74.17	72.27	74.63	75.32	77.74			136.9
400				74.36	74.85	75.47	74.11	73.82	73.88	73.74	72.27	74.85	76.68	73.89	74.81	78.66			133.2
500				76.76	78.35	78.25	78.96	77.99	78.19	76.49	74.91	78.89	80.76	83.49	79.16	77.92			137.4
630				77.87	78.69	77.63	79.45	79.49	80.48	80.59	80.71	82.84	82.16	84.94	82.51	77.44			139.6
800				77.83	79.22	78.93	77.54	81.67	84.16	87.15	86.62	87.23	83.49	84.75	82.94	80.73			142.8
1000				73.74	76.25	77.67	77.85	76.97	77.27	80.40	80.11	80.35	81.85	81.71	81.68	78.88			138.4
1250				79.53	80.84	80.59	80.81	80.97	80.85	85.67	80.66	80.72	82.13	83.88	81.89	79.63			140.4
1600				78.75	78.71	82.77	84.79	82.93	80.38	80.19	81.13	81.41	84.46	83.12	79.94	78.36			142.6
2000				75.24	81.21	84.83	84.83	84.78	85.74	80.88	80.39	79.73	81.94	80.54	77.08	78.88			141.8
2500				74.51	77.21	81.72	81.59	82.98	80.69	83.19	83.49	82.24	78.16	77.33	74.89	75.93			140.8
3150				79.37	79.17	79.11	84.41	84.68	80.69	83.80	83.76	83.89	80.15	78.93	79.30	72.92			142.3
4000				80.80	83.24	80.53	82.59	81.59	83.13	82.81	81.99	82.88	84.71	82.97	78.62	76.84			143.5
5000				84.08	89.12	90.19	85.91	83.55	91.74	86.99	89.56	91.44	93.73	88.19	81.53	84.78			150.4
6300				86.71	86.88	83.33	86.81	88.71	88.36	82.39	83.73	85.89	82.72	79.72	78.48	77.89			144.8
8000				88.57	88.38	79.62	79.84	78.32	81.87	81.68	83.97	82.86	84.21	81.74	76.15	74.12			144.6
10000				79.74	81.85	81.22	81.33	80.86	82.44	84.76	84.92	88.93	87.88	83.81	79.86	78.84			149.2
MEASURED OASPL				92.63	96.82	96.18	95.99	96.85	98.18	96.75	96.76	97.77	98.37	98.19	98.35	99.99			
CALCULATED OASPL				92.11	95.45	95.73	95.38	96.88	97.78	96.21	96.38	97.32	97.98	96.99	96.64	97.88			
RNDS				189.9	189.2	118.8	128.2	188.3	111.6	189.2	118.5	111.7	113.8	189.9	186.8	187.3			

OAPWL: 156.9

AMBIENT TEMP. 33.88
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR + PHASE 2B + 5C R/D 1/30/73 R/D 2/3/78-3

RUN=11 RDG=1.49 SPEED=7982

C58

RADIAL DISTANCE 250

DATE: 2/26/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7,8	12,7	20,2	30,2	40,2	52,7	66,8	78,2	82,8	98,2	102,8	113,2	122,8	132,8	142,8	152,7	160,8	170,8 (PWL)
50				-3,96	-3,93	-4,45	-4,78	-4,42	-3,62	-4,89	-2,58	-,783	-,531	,9825	4,454	9,412		
63				-7,89	-5,58	-4,52	-5,81	-4,93	-4,89	-3,25	-2,52	-1,33	-,882	1,918	4,569	9,356		
80				-7,72	-6,89	-4,99	-4,98	-4,47	-3,38	-2,95	-1,94	-,165	,9639	3,179	5,389	7,781		
100				-7,96	-6,88	-6,48	-5,24	-4,49	-3,35	-2,81	-1,72	-,541	1,363	3,245	6,129	8,933		
125				-2,77	2,677	,4772	-1,48	2,432	-,125	-,986	-,559	-,175	-1,45	1,883	,8476	2,728		
160				-5,46	-5,67	-4,35	-4,52	-5,05	-2,37	-2,85	-1,13	,4488	1,258	3,589	6,581	5,974		
200				-6,89	-7,75	-8,27	-6,16	-4,94	-2,97	-1,37	-,924	,7981	1,359	4,878	6,448	4,289		
250				-6,82	-7,62	-7,42	-8,43	-5,69	-2,34	-1,25	,6884	,6453	,8948	4,286	6,198	4,287		
315				-1,86	-,627	-,666	-4,64	-4,58	-3,63	-,686	1,868	1,837	-,298	2,319	2,989	5,484		
400				-,167	-,475	1,141	-,416	-,786	-1,49	-2,79	-2,25	-,479	2,878	2,349	2,288	4,139		
500				-1,88	-,289	-,318	,3981	-,569	-,411	-2,86	-1,65	-,463	2,284	4,628	,6198	-1,34		
630				-3,99	-2,81	-3,83	-1,85	-,969	-,263	-,873	,8438	2,172	1,491	4,271	1,848	-3,82		
800				-6,65	-4,46	-4,75	-6,14	-2,81	,4844	3,469	2,945	3,549	-,188	1,873	-,744	-2,95		
1000				-5,38	-2,88	-1,46	-2,89	-2,27	-1,37	1,564	,9751	1,217	2,699	2,581	2,549	-,855		
1250				-6,47	,8451	,5977	2,813	3,971	4,827	-,331	-5,34	-3,28	-3,07	-2,99	-4,69	-6,36		
1600				-4,56	-6,48	-,838	1,477	-,279	2,888	1,879	-2,18	-1,89	1,169	-,187	-3,17	-4,98		
2000				-6,66	-,686	2,139	2,139	2,888	3,847	-1,81	-1,98	-2,17	-,359	-1,36	-3,91	-3,81		
2500				-4,14	-3,43	1,874	,9481	2,332	,8473	2,548	2,856	1,592	-2,49	-3,32	-4,85	-4,72		
3150				-2,48	-2,68	-2,66	2,643	2,829	-,885	2,187	1,987	2,121	-1,85	-2,84	-2,38	-8,85		
4000				-1,11	1,281	-1,44	,8847	-,394	1,434	1,823	-,884	,8837	2,713	,8814	-3,37	-8,95		
5000				-4,49	,1698	1,243	-3,44	-5,39	2,793	-1,95	,8898	2,495	4,782	-,763	-7,48	-4,25		
6300				-,884	-,712	1,743	-,782	-,884	-1,25	,7943	2,142	3,582	1,132	-1,88	-3,11	-3,71		
8000				-,356	-,619	-1,36	-1,88	-2,68	,1473	,8803	3,847	1,936	3,298	,8152	-4,77	-6,85		
10000				-3,26	-1,96	-1,79	-1,67	-2,94	-,748	1,759	1,919	2,926	3,999	,8808	-3,35	-4,17		

AMBIENT TEMP, 33,88
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,96
ABS, HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/28/72 R/D 2/3/72-3

RUN=11 RDG=169 SPEED=7988

RADIAL DISTANCE 25R

DATE: 2/16/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7,2	12,2	27,2	32,2	42,2	52,2	62,2	72,2	82,0	92,2	102,2	112,2	122,2	132,2	142,2	152,2	162,2	172,2	(PWL)
52				78,21	77,39	78,27	79,23	79,36	79,63	79,17	80,67	82,45	82,19	83,68	87,27	91,94			148,6
63				75,45	74,93	78,71	79,48	79,16	79,42	80,29	80,51	82,21	83,19	85,16	88,13	92,96			149,6
80				75,91	77,82	77,73	78,86	78,92	79,79	80,36	80,91	82,73	93,77	86,12	88,35	91,52			141,2
100				76,64	76,82	77,79	79,77	82,41	88,79	81,83	82,46	83,89	85,43	87,69	90,39	91,27			142,4
125				89,19	89,08	83,92	89,82	86,32	89,16	88,81	85,73	85,38	86,19	87,72	90,72	91,47			145,9
160				79,48	82,52	78,39	83,59	82,36	83,45	83,38	82,12	83,53	84,59	87,65	88,55	89,68			142,4
200				74,58	73,22	73,17	75,29	75,92	77,76	79,65	79,87	81,55	82,41	85,62	88,27	86,55			139,7
250				71,89	70,32	72,68	7[illegible],32	72,81	75,12	76,54	79,23	82,36	79,66	84,88	87,88	85,37			138,2
315				73,23	72,84	74,59	73,25	72,89	72,23	73,85	74,72	77,28	75,57	78,83	82,73	82,15			134,5
400				74,86	74,87	78,69	76,24	77,99	77,63	77,35	76,89	78,39	78,82	88,56	78,34	81,32			138,7
500				78,16	78,75	79,31	82,91	80,58	81,88	81,89	81,48	81,82	82,54	85,61	79,69	78,92			139,9
630				78,21	88,37	88,97	93,24	82,72	83,72	85,95	84,25	84,87	84,22	86,68	83,85	78,72			142,3
800				79,43	78,88	81,23	83,26	82,46	82,51	84,54	83,82	85,53	84,53	84,81	83,85	88,83			142,1
1000				76,93	79,87	81,44	82,68	82,42	81,55	81,19	82,54	82,13	82,24	82,86	82,32	81,12			140,5
1250				81,59	86,79	88,18	9[illegible],95	92,96	92,25	91,83	85,87	85,17	85,33	85,94	83,28	81,97			147,7
1600				77,29	81,86	82,96	84,36	83,44	84,48	84,28	81,79	81,47	83,25	82,93	79,72	79,85			142,4
2000				76,87	81,47	84,13	82,99	82,19	85,58	81,99	81,18	88,38	81,78	81,82	77,78	79,77			141,7
2500				74,74	77,84	88,15	8[illegible],48	91,38	79,82	82,19	82,98	81,99	77,96	76,85	75,65	76,66			140,8
3150				88,59	79,11	78,97	85,85	84,36	88,95	84,83	83,63	83,91	79,92	78,99	78,98	74,55			142,4
4000				81,42	82,88	79,94	83,33	81,41	83,38	84,13	81,46	82,25	84,26	81,63	78,27	76,76			138,9
5000				83,84	87,49	88,11	84,29	83,71	98,37	89,49	98,83	90,89	91,38	87,52	79,61	83,82			149,6
6300				88,81	79,78	82,36	81,19	81,84	88,93	83,19	80,89	84,59	82,48	79,98	77,75	78,42			145,8
8000				88,11	79,61	78,91	79,59	78,89	82,82	82,22	84,24	83,56	83,19	81,37	75,48	74,56			145,8
10000				79,52	86,18	79,92	80,95	82,58	81,96	84,28	85,29	84,93	85,22	82,83	78,18	78,21			148,4
MEASURED OASPL				94,29	96,37	96,52	98,36	97,83	99,26	99,87	97,89	98,72	99,22	99,89	100,9	102,8			
CALCULATED OASPL				93,14	95,49	95,59	97,28	96,76	98,38	98,13	97,08	97,71	97,93	98,28	98,88	102,4			
PNDB				128,3	128,4	128,3	1[illegible],9,2	128,7	111,4	111,3	111,1	111,8	111,9	112,2	106,8	108,1			
																		OASPL:	157,4

C60

AMBIENT TEMP. 34,2F
WET-BULB TEMP. 29,0F
BAR. PRESSURE 24,96
ABS. HUMIDITY 2,863

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 R/D 2/3/72-3

RUN=11 RDS=118 SPEED=8187

RADIAL DISTANCE 25R

DATE: 2/26/72

SCALE PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				-4.79	-5.41	-4.54	-3.57	-3.45	-3.17	-3.64	-2.13	-.352	-.614	.8794	4.467	9.133			
63				-7.87	-8.59	-8.81	-8.24	-8.36	-8.89	-8.23	-7.81	-1.31	-.329	1.837	4.814	9.447			
80				-7.34	-6.23	-5.51	-4.39	-4.35	-3.45	-2.89	-2.34	-.514	.5293	2.867	5.122	8.267			
100				-7.48	-7.51	-6.52	-4.55	-3.41	-3.53	-2.49	-1.86	-.419	1.169	3.379	6.279	6.884			
125				-2.62	1.271	-3.89	1.993	.5797	1.348	.9975	-2.88	-2.43	-1.03	-.795	2.926	3.662			
160				-4.44	-1.68	-5.73	-.531	-1.78	-.869	-.744	-2.81	-.589	.4743	2.923	4.425	5.559			
200				-6.81	-8.16	-8.22	-6.09	-5.47	-3.63	-2.33	-1.51	.1581	1.622	4.231	6.887	5.166			
250				-7.87	-9.44	-7.19	-8.46	-6.95	-6.63	-3.22	-1.72	.8225	-.795	4.326	7.323	5.611			
315				-2.69	-3.28	-1.33	-2.67	-3.84	-3.69	-2.47	-1.23	1.155	-.501	2.897	4.804	6.222			
400				-1.12	-1.12	.7112	.8742	.8197	.5257	-.642	-1.89	.4247	.8297	2.972	.3586	3.329			
500				-2.97	-2.39	-1.83	-.227	-.595	.7478	.7974	.2681	.6859	1.423	4.469	-1.45	-2.21			
630				-4.34	-3.88	-2.48	-.136	-.869	.3449	2.572	.8775	1.497	.6422	3.231	-.319	-4.47			
800				-3.55	-4.11	-1.75	.2781	-.528	-.472	1.956	.8428	2.546	1.542	1.822	.8665	-2.15			
1000				-4.32	-2.14	.2817	1.442	1.184	.3221	-.842	-.689	.8981	1.529	1.424	1.287	-.131			
1250				-6.62	-1.42	-.825	2.739	2.791	4.641	2.826	-2.33	-3.84	-3.17	-2.26	-4.93	-8.31			
1600				-5.45	-1.68	.1631	1.418	.8963	3.707	1.777	-.643	-1.27	.9878	.1982	-3.82	-8.89			
2000				-4.86	-.268	2.389	1.248	.4496	3.848	.2585	-.554	-2.38	.8412	-.714	-3.98	-1.97			
2500				-8.12	-2.88	.3882	.6329	1.998	.8815	2.384	3.138	2.198	-1.48	-2.99	-4.19	-3.19			
3150				-1.27	-2.75	-2.89	3.189	2.499	-.989	2.171	1.764	2.243	-1.96	-2.87	-2.88	-7.31			
4000				-.625	.8348	-1.81	1.483	-.435	1.484	2.279	-.388	.3986	2.249	-.221	-3.78	-9.09			
5000				-4.29	-.646	-.833	-4.85	-4.43	2.236	1.397	1.887	2.795	3.543	-.623	-8.53	-4.31			
6300				-1.38	-1.81	.9732	-.284	-.343	-.454	1.218	1.585	3.284	1.272	-1.41	-3.44	-2.86			
8000				-.921	-1.41	-2.12	-1.43	-2.13	.9919	1.101	3.289	2.934	2.166	.3493	-8.55	-6.47			
10000				-2.77	-2.12	-2.37	-1.38	-1.79	-.356	1.988	2.999	2.632	2.948	-.267	-4.19	-4.29			

AMBIENT TEMP: 34.38
WET-BULB TEMP. 29.23
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.883

PAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/28/72 R/D 2/3/72-3

RUN=11 RC=11.2 SPEED=810"

RADIAL DISTANCE 25.

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DATE: 2/19/73 PAGE: 5

SOUND PRESS OF LEVELS RECORDED AT STANDARD DAY

	AXIS FROM INLET																
FREQ.	7.2	12.7	20.2	31.7	40..	50.2	63.7	71.7	89.2	99.7	122.7	127.7	129.2	139.2	147.2	157.7	169.7	179.2	(PWL)
50				78.14	77.59	77.59	77.34	77.54	78.62	78.18	79.34	82.43	80.37	82.27	86.26	91.27			139.5
63				75.48	76.67	77.69	77.54	77.68	78.52	79.21	79.62	82.56	81.92	84.38	87.59	92.28			142.5
80				75.01	76.75	77.38	77.39	77.77	79.25	79.77	80.14	81.79	83.11	85.39	88.29	90.95			140.6
100				76.22	76.49	77.38	78.72	78.48	80.34	81.28	82.21	83.25	84.82	86.74	88.23	91.15			141.9
125				81.72	83.71	82.58	83.97	83.03	84.65	85.98	85.75	87.29	86.23	90.11	89.86	91.58			144.1
160				79.39	80.29	82.21	81.76	81.41	82.84	83.84	83.97	85.73	85.25	87.20	88.28	89.61			142.4
200				74.58	73.81	72.89	74.52	75.46	77.71	79.14	79.87	81.54	82.23	84.71	87.38	84.66			139.1
250				72.14	70.83	72.32	69.86	71.71	75.42	76.62	77.73	78.75	79.17	82.41	84.97	82.11			136.5
315				73.11	73.80	74.95	72.39	71.54	72.28	73.49	74.84	76.95	74.26	77.87	77.15	79.23			133.1
400				76.34	77.42	80.26	77.83	77.48	77.42	76.84	76.28	77.48	78.38	80.18	79.76	80.19			136.5
500				79.15	81.25	82.77	83.49	82.41	83.73	82.63	81.16	82.96	82.75	86.38	82.41	78.94			141.1
630				79.22	81.27	81.72	83.26	84.24	84.38	84.79	85.29	85.51	85.44	87.26	85.37	88.89			142.9
800				78.97	81.79	85.28	86.18	83.87	85.07	86.21	88.19	88.72	90.32	86.53	84.71	84.85			145.3
1000				76.10	82.41	82.49	83.26	82.43	83.36	84.89	88.94	91.91	84.26	85.19	83.49	82.63			141.9
1250				83.89	86.19	84.83	88.89	91.22	90.58	89.98	85.18	84.28	84.97	84.77	83.62	81.24			146.8
1600				78.17	83.24	85.47	87.21	84.27	86.13	85.53	83.31	82.21	85.37	84.22	82.38	80.31			144.3
2000				76.99	80.93	83.99	83.73	83.19	86.68	86.66	81.12	80.59	81.90	81.42	78.97	81.89			142.2
2500				74.79	76.86	81.86	81.68	83.82	81.89	83.13	84.35	82.46	79.82	78.23	77.38	77.92			141.1
3150				79.93	78.39	78.17	83.21	83.88	88.21	83.87	84.38	84.25	88.81	79.64	80.86	74.55			142.2
4000				81.17	82.43	80.23	83.11	82.86	83.24	85.19	82.22	83.29	84.84	81.97	79.83	76.89			143.1
5000				82.38	85.28	86.98	82.87	85.44	89.46	86.86	81.55	82.15	98.79	86.37	79.47	83.32			149.5
6300				78.77	79.57	82.49	81.39	82.51	81.55	83.86	85.11	84.24	83.23	88.44	79.11	79.33			144.9
8000				78.98	78.93	78.79	79.25	79.72	81.89	82.52	84.96	84.41	83.89	81.79	76.56	75.85			145.3
10000				78.12	78.93	79.17	80.25	80.86	81.87	84.59	86.28	85.74	84.97	81.98	78.41	78.32			148.4
MEASURED OASPL				94.23	94.21	97.39	97.86	98.23	99.14	98.76	98.67	99.31	99.47	99.73	102.6	102.6			
CALCULATED OASPL				92.31	94.50	95.91	96.42	96.89	97.85	97.79	98.86	98.54	98.37	98.22	98.63	100.9			
PWLB				135.3	137.6	140.7	140.4	140.1	141.1	141.1	142.2	142.7	141.8	140.9	141.4	141.9			

OAPWL: 147.9

AMBIENT TEMP. 34.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.863

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/73 R/D 2/3/73-3

RUN=11 RUN=111 SPEED=8367

RADIAL DISTANCE 250

DATE: 2/?9/7?

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7.2	17.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				-3.59	-4.14	-4.15	-4.16	-3.89	-3.11	-3.55	-2.38	-1.29	-1.16	.4725	4.328	9.947			
63				-7.29	-5.82	-4.79	-5.14	-5.28	-4.16	-3.48	-2.88	-2.12	-.769	1.788	4.983	9.595			
80				-7.84	-5.92	-5.29	-5.29	-4.88	-3.38	-2.87	-2.58	-.886	.4621	2.745	5.448	8.331			
100				-7.65	-7.36	-6.49	-5.15	-4.79	-3.54	-2.59	-1.86	-.418	.9317	2.836	4.353	7.274			
125				-4.28	-2.27	-2.48	-2.88	-2.95	-1.38	-.8818	-.228	1.319	.8488	2.133	3.879	5.688			
160				-4.98	-3.81	-4.89	-2.54	-3.29	-1.45	-.481	-.338	1.438	.7912	2.979	3.984	5.387			
200				-6.16	-7.68	-7.81	-6.18	-5.24	-2.99	-1.96	-.831	.8437	1.935	4.814	6.686	3.958			
250				-5.92	-7.23	-8.74	-8.52	-6.35	-2.64	-1.44	-.338	1.691	1.185	4.347	8.611	4.849			
315				-1.44	-.746	.3949	-2.46	-3.48	-2.38	-1.85	-.513	2.481	-.294	2.523	2.369	4.827			
400				-1.91	-.428	2.425	-.318	-.192	-.231	-1.81	-1.59	-.364	.4518	2.329	1.989	2.336			
500				-3.16	-1.24	.4844	1.184	.8766	1.418	.3247	-1.15	-1.35	.4416	4.867	.8959	-3.37			
630				-4.88	-2.96	-2.31	-.764	.3897	.3498	.7675	1.869	1.482	1.411	3.232	1.330	-3.84			
800				-7.18	-4.35	-.948	-.752	-2.28	-.286	-.144	2.936	2.964	4.164	.3813	-1.44	-2.18			
1000				-5.85	-1.54	.6967	1.337	.4889	.4188	-.293	-1.81	-.937	2.327	1.236	1.469	.8834			
1250				-6.41	-1.11	.8388	1.484	3.910	3.279	2.879	-2.12	-2.82	-2.34	-2.46	-2.89	-4.87			
1600				-6.48	-1.61	1.817	2.359	1.418	3.479	.8759	-1.34	-2.44	.4169	.5888	-2.27	-4.34			
2000				-5.22	-1.27	1.778	1.917	.9854	4.473	-.548	-1.89	-1.82	-.389	-.785	-3.24	-1.12			
2500				-6.12	-4.89	.8988	.1799	2.113	.1968	2.231	3.445	1.792	-1.89	-2.68	-3.33	-2.98			
3150				-1.78	-3.25	-3.47	-1.572	2.268	-1.42	2.239	2.748	2.419	-1.53	-1.99	-1.98	-.88			
4000				-1.37	.1943	-2.83	.8778	-.177	1.785	2.951	-.889	1.854	1.882	-.268	-3.21	-5.34			
5000				-4.26	-2.79	-1.16	-5.19	-2.63	1.3x4	.7988	3.489	4.889	2.726	-1.49	-2.59	-4.75			
6300				-2.67	-2.87	.2469	-1.86	.8646	-.897	1.428	2.664	3.796	.7848	-1.81	-3.33	-3.12			
8000				-2.34	-2.39	-2.53	-2.37	-1.82	.5671	1.198	3.428	3.886	1.787	.4733	-1.96	-4.27			
10000				-4.39	-3.57	-3.33	-2.26	-1.64	-.628	2.892	3.698	3.237	2.483	-.525	-4.89	-4.18			

AMBIENT TEMP. 34.32
WET-BULB TEMP. 29.8?
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.863

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/7? R/D 2/3/7?=3

RUN=11 ROS=111 SPEED=8327

RADIAL DISTANCE 250

PAGE: 1

DATE: 2/29/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50	77,59	76,89	76,48	76,65	76,79	77,72	77,15	78,81	80,11	80,63	83,81	86,97	92,21						139,9
63	74,24	75,95	77,25	76,52	76,77	77,69	78,67	79,79	80,32	81,75	84,39	87,96	92,94						148,7
80	74,69	76,19	76,81	76,39	77,62	79,43	79,94	80,12	81,41	82,89	85,45	88,28	91,21						148,7
100	75,45	75,75	76,79	78,34	79,29	80,89	81,39	81,98	82,88	84,51	86,82	90,31	91,63						141,9
125	77,19	77,17	76,88	78,48	79,14	82,31	83,48	84,98	85,21	85,87	87,04	89,12	91,41						148,6
160	76,93	77,99	77,35	79,36	79,49	84,38	85,45	87,42	87,31	87,35	87,89	87,86	89,29						143,3
200	75,42	73,42	73,22	74,9:	75,89	77,57	78,92	79,78	81,11	81,95	84,72	87,17	84,97						138,9
250	72,45	70,44	69,78	69,80	71,96	74,51	76,08	77,96	78,94	78,54	81,77	83,85	82,77						136,2
315	73,79	74,11	74,43	71,87	71,63	72,12	73,79	74,85	74,31	74,3:	77,46	79,85	81,31						133,8
400	78,48	79,92	81,24	79,21	81,98	79,98	78,84	78,81	77,69	79,93	81,88	80,98	81,47						138,5
500	80,72	83,12	84,27	85,15	85,48	83,11	82,47	85,88	82,13	83,43	87,41	83,17	88,34						142,6
630	83,95	87,64	88,26	92,14	92,21	86,64	87,11	90,27	87,86	85,79	89,63	86,28	82,52						146,7
800	79,49	82,75	83,19	83,5:	84,67	86,25	87,08	84,88	86,82	88,47	84,72	85,54	85,21						144,4
1000	77,46	79,53	82,59	81,71	81,81	81,80	80,91	82,78	82,41	84,38	83,12	83,29	82,59						148,9
1250	79,33	84,99	84,:	86,12	85,98	84,91	84,88	82,11	82,19	84,49	83,87	82,89	81,17						143,4
1600	80,33	85,28	85,83	86,83	87,16	88,45	94,22	93,86	93,58	86,38	95,89	82,91	81,69						144,8
2000	77,48	82,23	83,47	81,33	81,51	84,19	80,36	88,43	88,22	81,34	88,77	78,66	80,86						148,9
2500	76,39	78,32	80,8:	79,94	82,74	89,48	92,76	83,67	82,99	78,84	77,87	77,85	77,71						148,8
3150	83,52	76,5:	77,84	82,38	83,48	82,39	83,93	84,24	84,39	83,35	79,48	80,39	74,47						142,1
4000	81,63	82,43	79,59	81,77	81,6:	83,55	84,66	81,92	82,88	83,93	82,84	79,39	76,61						143,1
5000	81,33	84,22	85,76	82,14	85,78	89,98	89,29	91,89	92,87	89,52	85,88	79,71	82,38						149,4
6300	80,65	80,2:	83,66	81,21	83,47	84,29	85,92	86,49	88,53	84,54	81,89	80,71	80,23						148,4
8000	79,27	78,64	77,79	78,34	79,41	82,44	82,23	83,56	83,75	83,45	81,24	76,67	74,64						144,9
10000	78,56	78,35	77,92	79,69	81,34	82,02	84,26	85,28	85,58	84,29	81,44	78,45	77,93						148,3
MEASURED OASPL	94,33	96,45	96,84	97,56	98,26	98,58	98,21	99,87	99,37	99,25	99,89	100,7	103,7						
CALCULATED OASPL	92,75	94,96	95,59	95,17	96,92	97,58	97,44	98,32	98,82	98,13	98,37	98,79	100,5						
PWLB	165,9	167,5	168,3	167,7	169,3	111,3	111,1	112,1	113,1	111,3	169,5	167,7	167,9						
																		OAP.L:	157,5

AMBIENT TEMP. 34,4
WET-BULB TEMP. 29,2°
BAR. PRESSURE 29,9"
ABS. HUMIDITY 2,8a3

FAA CALIBRATION PHASE 58.2 30 T/2 2/32/72 RC: 2/3/72-3

Run:11 Rise:12 NOSE:6502

C64

RADIAL DISTANCE 25.

DATE: 2/19/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.5	12.5	21.2	32.5	42.5	52.5	62.5	72.5	82.5	92.5	102.5	112.5	122.5	132.5	142.5	152.5	162.5	172.5 (DWL)
50				-4.55	-5.25	-5.67	-5.49	-5.35	-4.43	-4.99	-3.33	-2.04	-1.52	.8879	4.827	12.24		
63				-8.65	-6.94	-5.65	-6.37	-6.12	-5.19	-4.23	-3.17	-2.57	-1.14	1.584	5.766	12.65		
80				-8.2	-6.53	-5.91	-5.42	-5.28	-3.28	-2.78	-2.42	-1.11	.1769	2.733	5.561	8.496		
100				-8.44	-8.18	-7.15	-5.59	-4.84	-3.64	-2.55	-2.63	-1.26	.5715	2.885	6.372	7.595		
125				-7.27	-7.29	-7.55	-5.99	-5.32	-2.16	-1.45	.4338	.7363	1.564	2.568	4.655	6.941		
160				-8.69	-7.62	-7.67	-5.86	-5.53	-.436	.4333	2.396	2.291	2.328	2.276	2.845	4.275		
200				-5.21	-7.21	-7.44	-5.71	-4.74	-3.45	-1.71	-.849	.4838	1.325	4.095	6.284	6.342		
250				-5.29	-7.31	-7.96	-6.07	-5.70	-3.24	-1.66	.2156	1.197	.7925	4.224	6.169	5.724		
315				-1.46	-1.14	-1.22	-4.18	-3.62	-3.12	-1.45	-.398	1.283	-.872	2.414	4.625	4.284		
400				-1.33	.1807	1.236	-.596	2.171	.2972	-.966	.8828	-2.12	.1261	1.965	1.796	1.663		
500				-3.23	-.432	.3172	1.327	1.739	-.637	-1.48	1.335	-.439	-.319	3.697	-.976	-3.41		
630				-3.83	-.142	.4794	2.362	2.427	-1.13	-.887	2.288	.2784	-1.99	1.852	-1.52	-5.26		
800				-5.39	-2.54	-2.09	-1.75	-.421	.9582	1.711	-.429	1.528	3.182	1.414	.2491	-.787		
1000				-4.13	-2.69	.9683	.6936	.1911	.1856	-.787	-.839	.7882	2.386	1.987	1.672	.9674		
1250				-4.64	1.827	.8629	2.151	1.933	2.641	.8359	-1.86	-1.78	.1389	-.289	-1.91	-2.79		
1600				-4.79	.1649	.7893	1.712	2.843	3.332	-.915	-1.26	-1.54	1.262	-.832	-2.21	-3.42		
2000				-3.33	1.214	2.456	.3153	.6984	3.173	-.956	-.587	-.788	.3322	-.244	-2.35	-.152		
2500				-4.23	-2.31	.1779	-.684	2.112	-.219	2.133	3.042	2.386	-1.78	-2.75	-1.77	-2.91		
3150				-1.25	-3.66	-3.72	.8127	1.914	-1.18	2.364	2.673	2.921	-1.21	-2.66	-1.17	-2.69		
4000				-.328	.4679	-2.37	-.168	-.357	1.589	2.725	-.745	.9229	1.972	.8799	-2.57	-5.35		
5000				-4.62	-3.73	-2.19	-5.79	-2.18	2.227	-.334	3.139	4.913	1.567	-2.88	-8.25	-5.58		
6300				-3.34	-3.91	-.934	-2.79	-.525	.2987	1.924	2.494	4.534	.5461	-2.11	-3.28	-3.96		
8000				-1.76	-2.36	-3.84	-2.49	-1.42	1.687	1.398	2.726	2.911	2.212	.9868	-4.17	-4.19		
10000				-3.58	-3.79	-4.22	-2.45	-.798	.6785	2.118	2.937	3.445	2.151	-.696	-3.69	-4.21		

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AMBIENT TEMP. 34.27
WET-BULB TEMP. 29.27
BAR. PRESSURE 29.96
ABS. HUMIDITY 2.863

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/3c/77 R/C 2/3/78-3

RUN=11 RPC=112 SPEED=8588

RADIAL DISTANCE 150

DATE: 2/21/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
FREQ.																			122,7
50								75,63	69,22	65,62	65,22	67,11	66,88	67,58	68,40	70,31	68,58	71,16	70,95	74,32			124,2
63								75,72	72,49	65,44	64,17	67,26	66,41	68,49	69,48	69,66	71,19	71,49	71,18	74,1[illegible]			122,7
80								73,54	66,34	64,74	65,55	65,49	65,61	68,59	69,85	70,86	69,77	71,86	72,32	73,79			122,7
100								71,42	68,21	66,35	69,65	67,75	67,47	68,19	70,81	71,75	70,19	70,85	71,01	72,87			122,5
125								76,35	65,53	65,44	65,96	66,21	72,58	67,79	68,18	69,59	69,80	70,59	71,17	71,88			121,2
162								67,39	64,65	67,41	65,86	66,34	66,23	67,43	68,84	70,97	68,43	69,66	68,91	68,88			119,0
200								64,49	63,93	62,74	62,79	61,79	63,98	62,75	64,33	65,56	65,87	66,48	66,34	66,21			117,4
252								62,26	63,13	63,37	63,36	60,31	61,76	61,26	62,99	63,35	63,16	63,87	67,59	64,96			117,4
315								67,78	70,26	69,26	68,58	66,79	67,69	68,89	69,87	70,36	70,79	71,57	72,64	72,77			125,3
422								72,22	72,45	71,39	70,94	69,26	70,86	71,55	73,83	73,85	74,15	75,07	75,37	74,86			126,3
500								72,77	71,79	72,84	69,71	71,93	71,88	72,11	73,11	74,84	74,29	75,21	74,95	73,81			126,4
630								69,81	71,62	69,57	70,16	70,26	69,55	70,34	70,39	70,11	71,07	72,45	71,96	71,45			126,4
800								75,43	78,25	77,23	74,61	73,55	73,68	73,52	74,86	76,58	76,91	77,71	77,88	73,85			129,5
1000								79,21	79,87	79,98	76,87	77,43	76,74	77,38	78,82	79,87	78,83	80,74	79,11	77,38			132,4
1250								78,49	81,14	80,86	78,83	79,50	78,69	78,67	78,96	79,71	79,19	80,49	79,34	75,63			133,2
1600								79,23	81,21	78,81	78,22	77,74	78,46	79,32	79,47	80,86	80,1[illegible]	80,64	78,42	74,16			133,3
2000								79,58	80,47	78,83	78,33	77,26	78,57	78,87	78,95	80,69	79,59	80,17	78,31	75,16			133,2
2500								82,55	79,73	82,91	80,92	80,69	77,32	77,81	79,45	82,38	82,77	83,35	80,11	77,21			135,2
3150								88,79	87,49	91,86	93,84	90,11	83,89	87,69	90,54	93,93	92,96	91,12	88,15	85,48			145,3
4000								84,32	83,79	81,73	83,19	80,95	80,49	83,16	84,43	85,78	83,81	82,52	80,98	78,32			137,9
5000								80,54	81,12	81,89	79,78	80,79	81,98	79,79	81,82	82,19	82,79	82,23	79,88	76,29			136,2
6300								84,29	82,31	84,49	85,37	85,99	88,88	82,[illegible]	84,48	87,09	87,34	85,92	84,19	81,49			138,8
8000								81,74	81,18	81,44	79,27	81,85	77,63	78,62	80,36	81,58	80,98	83,84	78,[illegible]2	76,19			137,2
10000								82,18	82,33	81,49	81,43	84,78	79,82	77,97	79,81	82,45	81,72	80,38	79,[illegible]8	76,94			139,1
MEASURED OASPL								94,18	92,72	94,57	96,45	95,12	91,71	93,25	95,82	97,49	96,74	96,84	93,78	91,92			
CALCULATED OASPL								94,23	93,25	94,42	95,77	94,13	90,72	92,22	94,12	96,75	95,93	95,11	92,83	90,61			
PNDB								128,9	128,1	128,9	131,4	128,2	125,3	127,5	129,7	132,3	131,4	130,6	128,2	125,9			

OAPWL: 140,3

AMBIENT TEMP. 34,49
WET-BULB TEMP. 31,49
BAR. PRESSURE 28,95
ABS. HUMIDITY 3,884

FAA FAN/COMPRESSOR - PHASE 5B - 5C R/D 1/27/72 R/D 1/30/70-3

RUN=11 ROO=81 SPEED=5240

RADIAL DISTANCE 150

DATE: 2/[illegible]1/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.8	12.8	22.8	38.2	48.2	58.2	68.8	78.2	88.8	98.2	108.8	118.8	128.2	138.8	148.8	158.2	168.8	178.8	(PWL)
50				6,222	-,384	-3,59	-4,19	-2,29	-2,53	-1,83	-1,21	,9838	-,428	1,744	1,545	4,988			
63				4,862	6,639	-5,42	-4,69	-3,68	-4,25	-2,21	-1,46	-1,28	,3255	,6282	,3168	3,248			
80				4,243	-2,97	-4,56	-3,75	-3,82	-2,69	-,712	-,228	1,944	,4469	2,955	3,814	4,486			
100				2,179	-1,22	-2,88	-3,98	-1,49	-1,77	-1,84	,7718	2,494	,9517	1,619	1,772	3,631			
125				1,372	-3,44	-3,54	-3,81	-2,96	3,687	-1,18	-,798	,8195	,9128	1,622	2,199	2,988			
160				-,242	-2,99	-,229	-1,78	-1,32	-1,41	-,788	,3954	3,325	,7933	2,821	1,248	1,434			
200				,3749	-,191	-1,38	-1,33	-2,33	-,134	-1,37	,2188	1,441	1,558	2,363	2,228	2,896			
250				-1,63	-,565	-,326	-,348	-3,39	-1,94	-2,43	-,712	1,698	1,489	2,174	3,892	5,261			
315				-1,71	,5778	-,223	-,987	-2,69	-1,79	-,688	-,419	,8479	1,311	2,881	3,148	3,286			
400				-2,21	,8588	-1,84	-1,49	-3,37	-1,57	-,882	,6885	1,424	1,728	2,641	2,941	2,431			
500				-1,69	-,608	-1,62	-2,76	-,532	-,658	-,351	,6479	1,576	1,833	2,943	2,438	,5456			
630				-,619	,5754	-,859	-,265	-,168	-,872	-,881	-,832	,6868	1,543	2,823	1,476	1,828			
800				-,883	2,811	1,791	-,832	-1,88	-1,83	-1,91	-,576	1,119	1,488	2,222	1,640	-1,59			
1000				1,848	1,789	1,417	-1,29	-,838	-1,48	-,774	-,141	,9811	,6695	2,973	,941	,786			
1250				-,429	2,215	1,132	-,884	,5744	-,234	-,248	-,825	,7747	,2681	1,944	,419	-3,29			
1600				,3531	2,332	-,873	-,697	-1,14	-,417	,4358	,5858	1,181	1,252	1,784	-,456	-2,72			
2000				,8978	1,871	,2248	-,276	-1,33	-,834	-,535	,3445	2,892	,9849	1,562	-,297	-3,44			
2500				,1271	-,694	2,884	,4958	,2257	-3,11	-2,61	-,973	1,955	2,342	2,922	-,319	-3,21			
3150				-1,56	-2,86	,7834	3,488	-,247	-6,47	-2,66	,1881	3,974	2,686	,7648	-2,21	-4,87			
4000				1,789	1,171	-,888	,5813	-1,67	-1,93	,5494	1,818	3,148	,3949	-,897	-1,63	-4,29			
5000				-,144	,4336	,6133	-,982	,1839	,3972	-,086	1,137	1,587	2,189	1,548	-1,68	-4,38			
6300				1,547	-2,44	-,259	,6225	1,235	-3,87	-1,95	-,278	3,239	2,598	1,164	-,959	-3,25			
8000				1,582	,9998	1,262	-,986	1,679	-2,54	-1,56	,1841	1,486	,8886	2,866	-1,46	-3,98			
10000				1,419	-,425	,7308	,6758	4,825	-1,74	-2,79	-,958	1,889	,9687	-,375	-1,56	-3,79			

AMBIENT TEMP.	34.49
WET-BULB TEMP.	31.49
BAR. PRESSURE	28.95
ABS. HUMIDITY	3.884

FAA FAN/COMPRESSOR - PHASE 1.9 & 5C T/D 1/27/72 R/D 1/30/70-3

RUN=11 ADD=81 SPEED=5000

RADIAL DISTANCE 150

PAGE: 1

DATE: 2/ 1/79

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.8	12.8	22.2	32.2	42.8	52.2	62.8	72.8	82.8	92.8	102.8	112.8	122.8	132.8	142.8	152.8	162.8	172.8	(PWL)
50				73,51	72,56	68,15	68,85	69,72	69,97	71,25	70,96	72,91	71,65	74,11	73,58	77,82			124,9
63				69,13	77,58	67,18	67,97	69,37	68,18	71,38	71,42	71,97	72,36	73,75	73,79	76,77			125,3
80				67,32	66,79	66,81	67,11	68,82	68,83	70,46	70,82	71,97	71,96	73,64	74,87	76,56			124,1
100				69,39	70,14	68,88	68,36	68,59	70,48	71,81	72,62	74,24	73,14	75,63	75,39	77,51			125,7
125				67,71	67,15	66,61	67,63	67,95	72,98	70,36	71,08	71,92	71,98	72,99	73,78	74,84			124,4
160				65,23	65,74	65,53	65,54	66,81	68,89	69,71	70,82	71,82	70,99	71,39	71,28	72,32			122,5
200				64,62	65,42	65,92	64,67	67,88	66,96	66,83	67,58	67,81	69,19	70,99	69,59	72,45			121,4
250				62,49	64,76	64,73	64,75	62,31	63,35	63,91	64,87	64,13	67,12	67,93	69,09	69,19			119,1
315				68,92	71,49	71,85	69,91	67,88	69,83	70,35	71,89	72,19	73,98	74,33	75,51	75,24			125,4
400				72,00	74,96	74,78	72,47	71,68	73,87	75,14	75,47	76,34	77,16	77,63	78,32	77,16			128,9
500				72,61	74,82	72,94	72,27	74,34	74,14	74,59	75,71	76,31	76,95	77,74	77,71	75,74			128,9
630				71,84	72,62	71,89	71,66	72,46	72,85	72,65	72,99	73,39	73,81	74,79	73,69	73,85			126,5
800				74,22	79,86	77,89	75,43	74,45	74,96	74,69	75,81	77,42	77,95	78,56	78,16	76,41			130,4
1000				91,98	81,33	80,41	78,34	79,89	78,31	78,87	79,26	80,68	79,99	81,99	80,41	78,61			133,7
1250				88,23	82,85	81,69	80,54	80,86	79,97	79,96	80,66	81,85	81,86	82,12	80,44	76,92			134,8
1600				91,27	82,89	80,85	80,56	80,29	80,29	81,58	81,52	82,46	82,29	82,49	79,46	77,72			135,3
2000				91,39	82,55	80,97	80,98	79,46	80,71	80,46	81,14	82,91	81,69	82,17	78,96	76,69			135,3
2500				81,89	81,48	84,29	82,44	82,69	79,43	80,86	81,58	84,51	84,54	85,25	80,41	78,62			136,9
3150				96,86	96,33	96,58	91,33	92,13	86,67	90,62	90,62	93,41	92,25	92,18	88,37	86,91			145,6
4000				88,26	86,86	86,56	87,88	86,89	85,14	88,28	88,88	90,54	88,41	88,87	85,23	83,34			142,8
5000				81,96	82,85	83,19	82,53	83,36	84,16	82,98	85,23	84,97	85,82	84,11	80,87	78,94			138,8
6300				86,94	84,39	84,91	86,27	87,84	82,12	84,84	86,35	89,44	87,32	86,53	83,35	81,39			141,8
8000				85,66	85,89	84,19	83,48	85,63	88,47	82,28	84,45	86,32	86,19	84,88	82,34	79,44			144,9
10000				88,58	81,62	82,64	82,46	86,34	89,54	81,84	83,21	84,18	83,82	82,31	80,87	77,86			140,8
MEASURED OASPL				96,69	96,58	96,26	96,38	97,27	94,18	96,82	96,74	98,78	97,69	97,79	94,94	93,83			
CALCULATED OASPL				95,96	95,76	95,45	95,68	96,55	93,28	95,18	96,85	98,88	97,82	96,89	94,83	92,56			
PNOR				118,8	118,7	118,5	118,8	111,6	107,9	118,4	119,9	113,1	112,2	112,2	109,2	107,7			

OAPWL: 150,9

AMBIENT TEMP, 34,49
WET-BULB TEMP, 31,49
BAR, PRESSURE 28,95
ABS, HUMIDITY 3,984

FAA FAN/COMPRESSOR - PHASE 98 & 5C T/D 1/27/79 H/D 1/30/79-3

RUN=11 RDG=82 SPEED=5512

RADIAL DISTANCE 150

DATE: 2/21/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.8	62.8	72.8	82.8	92.8	102.8	112.8	122.8	132.8	142.8	152.8	162.8	172.8	(PWL)
52				1,948	-,996	-3,42	-3,51	-1,86	-1,99	-,311	-,683	1,353	,8881	2,548	2,821	5,444			
63				-2,84	5,601	-4,79	-4,01	-2,61	-3,79	-,503	-,562	-,886	,3816	1,772	1,828	4,795			
80				-3,48	-3,92	-4,11	-3,61	-2,71	-1,89	-,261	,1768	1,246	,8199	2,915	3,343	5,839			
100				-2,87	-2,12	-4,18	-3,98	-3,67	-1,78	-1,26	,3606	1,979	,8811	3,366	3,125	5,249			
125				-3,11	-3,68	-4,22	-3,19	-2,88	2,152	-,471	,1739	1,892	1,153	2,162	2,993	4,815			
160				-3,92	-3,22	-3,42	-3,41	-2,15	-,859	,7566	1,249	2,884	1,629	2,434	2,326	3,366			
200				-3,14	-2,31	-1,84	-2,87	-1,86	-,782	-,947	-,158	,2047	1,449	3,259	1,858	4,788			
250				-2,89	-,619	-,694	-,687	-3,87	-2,84	-1,47	-,511	,7483	1,734	2,552	3,666	3,813			
315				-2,67	-,895	-,534	-1,68	-3,78	-2,56	-1,24	-,489	,6838	1,993	2,744	3,924	3,655			
400				-3,66	-,179	-,431	-2,67	-3,46	-1,26	,8396	,3321	1,288	2,828	2,496	3,183	2,847			
500				-2,35	-,944	-2,82	-2,69	-,923	-,827	-,378	,7439	1,348	1,981	2,776	2,746	,7746			
630				-,652	,1328	-1,39	-,831	-,826	-,438	,1566	,4993	,8963	1,319	2,297	1,195	,5684			
800				-,114	2,724	1,944	-,895	-1,88	-1,77	-1,64	-,519	1,889	1,417	2,287	1,828	-1,72			
1000				1,468	1,799	,8794	-1,19	-,447	-1,22	-,884	-,251	1,147	,4578	2,455	,8751	-,923			
1250				-,987	2,311	1,168	,8876	,3371	-,583	-,573	,1244	1,31<	,8268	1,983	-,894	-3,62			
1600				,1797	1,992	-,842	-,348	-,887	-,683	,6858	,6275	1,569	1,482	1,993	-1,44	-3,18			
2000				,7197	1,879	,3841	-,167	-1,21	,8438	-,213	,4695	2,239	1,828	1,496	-1,72	-3,97			
2500				-,358	-,759	2,849	,1985	,4463	-2,81	-2,18	-,657	2,276	2,383	3,889	-1,83	-3,62			
3150				,2897	-,289	-,865	,7153	1,319	-3,99	,8841	,8844	2,799	1,637	,568	-2,25	-3,77			
4000				,7134	,5159	-,988	,3336	,5436	-2,48	,7326	1,336	2,993	,8591	,5234	-2,31	-4,29			
5000				-1,38	-,411	-,871	-,733	,1823	,8951	-,281	1,974	1,787	2,397	,8285	-3,19	-5,22			
6300				1,271	-1,28	-,753	,6841	1,373	-3,59	-1,63	,6852	3,769	1,694	,8596	-2,11	-4,28			
8000				1,789	1,142	,2825	-,474	1,475	-3,48	-1,73	,4791	2,344	2,196	,9244	-1,61	-4,51			
10000				1,111	-,855	,3665	,1985	3,869	-1,93	-1,44	,7368	1,789	,3483	-,165	-2,48	-4,61			

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/72 R/D 1/30/72-3

RUN=11 ROG=42 SPEED=9500

RADIAL DISTANCE 152

DATE: 2/21/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.0	12.2	22.2	32.2	42.2	52.0	62.0	72.0	82.2	92.2	102.0	112.0	122.2	132.2	142.0	152.2	162.0	172.0	(PWL)
50				72,85	72,58	68,15	68,85	69,54	69,69	71,61	71,71	73,28	72,72	75,33	75,29	78,87			125,7
63				68,87	77,91	68,22	68,67	69,81	69,18	72,34	72,45	73,28	73,71	75,27	75,76	79,38			126,6
80				68,82	68,14	67,44	67,97	68,47	69,89	72,17	72,13	73,56	73,39	74,88	75,44	78,82			125,5
100				72,41	69,95	66,22	69,25	70,23	71,36	74,45	75,89	77,58	77,18	78,14	78,01	78,93			128,2
125				68,38	68,21	67,34	68,28	68,78	73,41	72,72	71,94	73,28	73,35	74,83	75,59	76,29			125,7
160				66,11	66,89	66,35	66,17	67,32	69,84	71,69	72,74	71,97	71,84	72,42	72,26	73,22			123,6
200				78,95	68,44	67,88	66,26	66,17	68,54	70,25	68,11	69,81	71,87	73,49	71,88	71,17			122,5
250				62,36	64,67	64,29	64,38	62,69	63,21	67,78	65,48	67,39	67,91	69,42	70,65	71,55			125,3
315				69,81	71,98	71,39	70,77	68,58	69,75	73,25	72,26	73,97	74,83	76,89	77,40	77,58			126,9
400				74,24	75,27	73,67	74,63	72,66	74,55	76,36	76,81	77,21	77,62	78,57	79,58	78,99			136,8
500				73,98	75,38	74,22	73,97	75,82	75,46	77,88	76,93	77,39	77,49	79,15	79,13	78,83			138,2
630				73,29	73,79	72,32	72,47	73,48	73,31	75,89	73,82	74,48	74,69	75,47	74,55	73,88			127,7
800				76,42	78,53	78,32	78,13	78,83	75,88	77,46	76,94	78,83	78,82	79,47	79,88	78,39			131,4
1000				81,93	82,33	81,16	79,21	80,18	79,44	80,72	80,87	80,85	80,91	82,66	80,89	79,52			134,6
1250				80,61	83,71	82,42	82,19	82,54	81,39	82,51	81,23	83,87	82,89	83,44	81,69	78,39			136,2
1600				82,85	83,93	82,86	81,88	81,84	81,85	83,69	82,78	83,45	83,61	83,52	80,29	78,82			136,7
2000				82,16	83,49	82,13	81,88	81,16	81,97	82,82	82,24	83,99	83,88	83,16	79,92	77,58			134,5
2500				82,77	82,26	85,23	83,78	84,13	80,79	82,34	82,59	85,42	85,55	86,16	80,74	79,53			138,1
3150				89,39	87,44	87,99	88,66	88,84	83,41	87,38	88,54	91,39	89,99	89,51	84,98	83,78			148,8
4000				93,87	93,16	90,29	93,52	92,69	89,74	92,44	93,76	96,42	93,52	92,36	89,08	87,53			147,8
5000				83,18	83,93	84,88	83,14	86,79	86,26	85,63	86,51	86,99	87,36	85,87	81,41	80,39			148,4
6300				86,88	83,68	85,31	86,29	87,24	83,16	85,54	86,85	88,89	87,64	86,75	82,81	81,21			141,9
8000				89,46	88,46	85,97	85,89	87,39	82,49	87,26	90,38	87,33	86,37	83,23	81,83				143,7
10000				84,99	82,59	83,58	83,58	86,46	81,82	83,33	84,17	84,67	85,52	83,22	81,41	79,79			142,2
12500																			
MEASURED OASPL				97,94	97,94	97,81	97,77	98,25	95,64	98,57	98,66	100,4	98,89	98,59	95,09	94,96			
CALCULATED OASPL				97,41	97,28	96,17	97,16	97,48	94,74	96,96	98,89	99,74	98,28	97,71	94,76	93,62			
PNDB				112,4	112,5	110,9	112,5	112,3	109,9	112,3	113,2	115,9	113,5	112,9	109,9	108,6			

OAPWL: 152,4

AMBIENT TEMP, 34,49
WET-BULB TEMP, 31,49
BAR, PRESSURE 28,95
ABS, HUMIDITY 3,884

FAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/27/72 R/D 1/30/70-3

RUN=11 RDS=83 SPEED=5752

RADIAL DISTANCE 15c

DATE: 2/ 1/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.2	10.2	20.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2	(PWL)
50				,4594	-1,28	-4,23	-4,33	-2,84	-2,68	-,768	-,669	,9248	,3382	2,954	2,988	4,389			
63				-4,37	4,674	-5,01	-4,47	-3,43	-4,26	-,895	-,786	,2476	,4755	2,037	2,521	6,868			
80				-4,29	-3,98	-4,47	-4,13	-3,65	-2,23	,8547	,8138	1,443	1,273	2,781	3,536	5,899			
100				-4,24	-4,75	-6,48	-5,46	-4,48	-3,34	-,257	,3952	2,895	2,474	3,437	3,389	4,223			
125				-3,84	-4,22	-4,86	-4,01	-3,44	1,188	,4835	-,272	1,863	1,132	2,617	3,372	4,578			
160				-3,97	-3,13	-3,66	-3,85	-2,69	-,981	1,879	,7232	1,951	1,821	2,402	2,247	3,284			
200				2,262	-,447	-1,79	-2,62	-2,71	-,344	1,365	-,774	,1287	2,189	1,684	2,118	2,288			
250				-4,54	-1,73	-2,38	-2,21	-3,91	-3,39	1,182	-1,12	,4874	1,311	2,821	4,893	4,992			
315				-3,34	-1,19	-1,46	-2,38	-4,57	-3,48	,4759	-,703	,8214	1,683	2,948	4,292	4,397			
400				-1,91	-,879	-,475	-1,51	-3,49	-1,59	,2155	-,136	1,861	1,474	2,382	3,433	2,843			
500				-2,27	-,949	-2,03	-2,28	-1,23	-,841	,8329	,7783	1,136	1,245	2,921	2,877	,9795			
630				-,433	,2659	-1,41	-1,25	-,317	-,413	2,165	,1886	,7554	,9698	1,745	,8383	,1578			
800				-,913	2,196	,9986	-1,21	-2,38	-1,69	,1327	-,393	1,199	1,485	2,339	1,717	-,937			
1000				1,562	1,954	,7822	-1,16	-,189	-,936	,3446	-,388	,4785	,1341	2,289	,5187	-,852			
1250				-1,25	1,845	,7418	,3367	,8619	-,468	,4482	-,127	1,285	,2349	1,594	-,438	-3,47			
1600				-,163	1,716	-,155	-,336	-,374	-,363	1,482	,4884	1,235	1,395	1,389	-1,92	-3,39			
2000				,2384	1,569	,2892	-,647	-,768	,8459	,8972	,3112	2,864	1,875	1,238	-2,41	-4,34			
2500				-,562	-1,87	1,984	,3711	,7997	-2,54	-,989	-,743	2,689	2,219	2,832	-2,59	-3,88			
3150				,5244	-,439	,1226	,7842	,1663	-4,27	-,574	,6634	3,516	1,711	1,631	-2,89	-4,89			
4000				,6843	,6424	-2,18	1,858	,2357	-2,72	-,825	1,298	3,963	1,868	-,181	-3,46	-4,93			
5000				-1,76	-,999	-,131	-1,79	-,139	1,269	,8976	1,976	2,861	2,429	,7339	-3,52	-4,54			
6300				,2311	-2,09	-,467	,9222	1,468	-2,61	-,253	1,874	3,123	1,863	,9779	-2,98	-4,97			
8000				2,796	1,994	-,494	-,774	,7291	-3,97	,3949	3,636	,6664	,2224	-,298	-3,42	-5,64			
10000				1,125	-1,29	-,311	-,318	4,573	-2,87	-,998	,2841	,7771	1,633	-,667	-2,48	-4,89			

AMBIENT TEMP.	34.49
WET-BULB TEMP.	31.49
BAR. PRESSURE	29.95
ABS. HUMIDITY	3.884

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/72 R/D 1/30/78-3

RUN=11 ROG=83 SPEED=5750

RADIAL DISTANCE 150

DATE: 2/21/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	17.8	27.2	32.3	41.2	52.3	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50					75,78	71,18	69,23	69,73	71,11	72,77	71,96	72,88	74,24	73,23	76,11	76,45	80,27		126,8
63					73,26	77,7[illegible]	69,15	69,92	70,63	70,94	72,46	73,61	74,39	74,68	76,22	77,19	80,69		127,6
80					71,32	68,6[illegible]	68,49	69,25	70,37	71,37	72,62	73,29	74,87	74,31	76,25	77,28	80,89		128,9
100					72,23	72,85	71,31	72,19	71,25	73,32	74,83	76,32	77,12	78,85	79,66	80,15	80,91		129,4
125					72,46	69,49	68,89	68,25	70,18	74,42	72,29	73,45	74,49	74,59	76,08	76,91	78,45		126,9
160					67,64	67,74	67,71	67,19	68,27	70,27	71,42	71,72	72,99	72,58	73,41	73,78	74,91		124,6
200					66,47	67,24	72,81	74,83	69,47	69,18	67,72	70,23	70,32	70,91	71,43	71,44	74,17		123,4
250					63,79	66,51	65,99	65,43	64,15	64,34	65,31	66,77	69,81	69,57	71,29	72,54	73,44		121,7
315					71,42	74,19	73,61	71,87	70,57	71,86	72,41	73,97	75,42	74,59	77,82	79,18	79,84		128,5
400					75,33	76,68	76,17	75,46	73,19	75,41	76,13	77,37	78,48	79,31	80,28	81,19	80,42		131,2
500					74,92	76,44	75,15	75,21	76,18	76,49	76,62	77,81	78,63	79,82	80,77	80,25	78,11		131,3
630					74,35	74,71	73,54	73,59	74,25	74,41	75,35	74,99	75,46	75,98	77,13	76,18	75,36		128,8
800					77,25	81,19	79,86	77,34	76,69	76,89	76,95	77,84	79,36	78,74	80,27	79,92	77,39		132,4
1000					82,92	83,22	82,16	80,18	81,16	80,38	81,18	81,33	82,29	82,41	83,84	82,54	80,84		135,7
1250					81,76	84,7[illegible]	83,84	83,16	83,28	82,28	82,59	83,08	83,89	83,41	84,14	82,68	79,78		137,1
1600					82,71	85,14	83,75	84,88	83,92	83,41	84,15	83,84	84,72	84,89	84,64	81,92	80,48		137,9
2000					83,24	84,79	83,48	84,37	83,72	83,65	83,16	83,49	85,39	84,28	84,63	80,54	78,86		137,9
2500					83,69	83,79	86,98	85,87	85,86	82,46	82,51	84,12	86,89	86,76	87,41	81,94	80,88		139,5
3150					87,87	86,71	88,55	89,83	88,29	83,88	87,29	89,22	91,24	89,33	89,84	84,94	83,87		142,9
4000					93,38	93,11	92,17	95,45	94,36	94,48	94,81	98,89	94,76	92,37	91,27	92,56	86,93		149,4
5000					83,77	84,84	85,25	84,73	87,89	86,54	85,84	87,88	88,39	88,85	86,32	82,20	80,22		144,4
6300					86,17	84,13	86,37	87,69	89,74	85,16	86,55	87,89	91,13	90,38	88,21	84,87	82,49		143,6
8000					87,83	87,89	87,52	88,89	88,79	84,27	86,15	88,58	88,28	88,17	88,89	83,59	81,45		143,8
10000					85,09	83,62	84,26	83,89	88,26	82,69	81,98	83,81	86,98	87,39	84,83	82,74	80,58		142,9
MEASURED OASPL					98,31	98,37	98,33	99,33	99,73	97,98	96,69	101,3	100,5	99,53	99,17	96,93	95,99		
CALCULATED OASPL					97,52	97,48	97,58	98,63	98,87	97,33	97,95	100,6	99,79	98,88	98,28	95,95	94,39		
PWDB					112,8	112,9	112,9	114,2	113,9	113,1	113,6	116,6	114,8	113,9	112,9	111,2	108,7		
																		OAPWL:	153,5

AMBIENT TEMP, 34,49
WET-BULB TEMP, 31,49
BAR, PRESSURE 28,95
ABS, HUMIDITY 3,884

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/72 R/D 1/[illegible]/72 R=3

RUN#11 RDG=84 SPEED=6282

RADIAL DISTANCE 15#

DATE: 2/ 1/77 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	10.6	22.2	32.2	42.2	50.6	60.6	70.6	80.6	90.2	102.6	110.4	120.6	130.2	140.2	150.6	160.6	170.6	(PWL)
50				2,254	-2,35	-4,50	-3,88	-2,42	-2,76	-1,57	-,648	,7134	-,381	2,582	2,917	6,739			
63				-,981	3,514	-5,09	-4,32	-3,61	-3,31	-1,78	-,636	,1417	,3574	1,976	2,952	6,443			
80				-2,19	-4,83	-4,99	-4,25	-3,42	-2,13	-1,87	-,283	1,172	,8192	2,792	3,744	6,998			
100				-3,74	-5,12	-4,66	-3,78	-4,73	-2,65	-1,14	,3451	1,190	2,888	3,688	4,174	4,942			
125				-2,95	-3,91	-4,51	-4,16	-3,23	1,218	-1,11	,2457	1,882	1,191	2,672	3,524	5,842			
160				-3,35	-3,24	-3,27	-3,78	-2,71	-,918	,4432	,7229	2,888	1,598	2,431	2,799	3,924			
200				-3,29	-2,71	2,242	-2,94	-,299	-,471	-2,86	,4816	,5324	1,161	1,662	1,669	4,399			
250				-4,19	-1,47	-1,99	-2,56	-3,84	-3,65	-2,68	-1,22	1,822	1,583	3,381	4,557	5,456			
315				-3,28	-,498	-1,27	-2,81	-4,11	-2,82	-2,27	-,788	,7331	1,918	3,135	4,494	4,382			
400				-2,23	-,675	-1,19	-1,89	-4,17	-1,95	-1,23	,8182	1,121	1,956	2,921	3,826	3,863			
500				-2,43	-,889	-2,18	-2,12	-1,15	-,846	-,716	,4739	1,208	1,687	3,441	2,913	,7773			
630				-,427	-,145	-1,22	-1,15	-,968	-,346	,5998	,2348	,9114	1,234	2,382	1,433	,6988			
800				-,556	2,889	1,597	-,941	-1,81	-1,41	-1,36	-,468	1,849	1,437	1,965	1,613	-,721			
1000				1,411	1,727	,6432	-1,33	-,355	-1,21	-,411	-,188	,7773	,9888	2,326	1,823	-,169			
1250				-1,85	1,945	1,841	,2996	,4741	-,525	-,282	,2765	1,195	,8122	1,348	-,141	-3,82			
1600				-,824	1,695	,2886	,5483	,3853	-,123	,6181	,3814	1,182	1,395	1,182	-2,82	-3,85			
2000				-,149	1,425	,2595	,9865	,3338	,2633	-,229	,1898	2,881	,8924	1,241	-2,85	-4,93			
2500				-1,08	-,988	2,213	1,399	1,892	-2,31	-2,25	-,644	2,127	1,995	2,637	-2,83	-3,88			
3150				-,124	-1,27	,5772	1,592	,3238	-4,89	-,692	1,247	3,263	1,398	1,864	-3,83	-4,11			
4000				-,678	-,948	-1,89	1,393	,2961	,3415	,7556	4,837	,8994	-1,69	-2,79	-3,48	-7,13			
5000				-2,11	-1,83	-,629	-1,14	1,221	,6617	-,837	1,287	2,427	2,776	,4282	-3,52	-5,65			
6300				-1,35	-3,39	-1,14	,1738	2,221	-2,36	-,972	,5739	3,413	2,787	,6995	-2,65	-5,82			
8000				1,846	,3872	,7357	-,682	2,811	-2,51	-,327	1,883	1,988	1,388	1,389	-3,39	-5,33			
10000				,4813	-,989	-,353	-,713	3,654	-1,91	-2,63	-,881	2,368	2,787	,2188	-1,87	-4,11			

AMBIENT TEMP. 34.49
WET-BULB TEMP. 31.49
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.884

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/77 R/D 1/30/78-3

RUN=11 R09=54 SPEED=6727

C73

RADIAL DISTANCE 15ft

DATE: 2/ 1/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50					75.45	72.91	69.15	69.79	78.92	71.42	72.29	73.41	74.98	74.32	77.83	77.84	81.84		127.7
63					71.57	77.79	69.76	78.18	78.87	71.26	73.89	73.69	75.11	75.44	77.37	78.87	81.62		128.2
80					72.26	68.69	68.86	69.59	78.53	71.87	73.85	73.45	75.43	75.61	77.25	78.28	81.81		127.7
100					71.71	72.45	72.87	72.53	73.49	74.67	75.51	76.32	77.68	79.59	79.64	86.72	81.39		130.1
125					72.84	71.81	72.16	78.48	71.21	74.71	73.63	74.46	75.68	76.12	77.17	78.39	79.81		128.1
160					67.48	68.36	68.81	67.79	68.96	72.82	72.84	72.79	73.59	73.14	74.27	74.34	75.76		125.3
200					66.56	69.82	68.76	66.36	67.74	68.17	68.71	69.82	72.56	71.39	72.33	72.96	72.28		123.5
250					64.49	66.97	66.85	66.36	64.75	65.82	66.18	67.66	69.65	70.47	72.33	73.89	74.71		122.7
315					71.99	73.41	74.47	72.74	71.55	73.81	73.88	75.58	76.57	77.59	79.44	80.52	80.53		129.8
400					76.29	77.77	76.63	76.34	74.25	76.21	77.11	77.99	79.68	80.89	81.52	82.28	81.46		132.2
500					75.94	77.18	75.88	76.02	74.75	77.37	77.41	78.58	79.44	80.82	81.82	81.84	78.73		132.2
630					75.17	75.34	74.29	74.48	74.93	75.44	75.66	75.71	76.37	76.51	77.54	76.78	75.69		129.4
800					78.38	81.69	80.12	77.85	76.91	77.53	77.49	78.78	80.23	80.47	81.24	80.91	78.29		133.1
1000					83.49	83.62	82.42	80.73	81.59	80.77	80.96	81.59	82.36	82.83	84.17	82.31	81.82		135.9
1250					82.56	84.85	83.59	82.44	83.88	82.83	83.81	82.98	84.51	83.79	85.86	82.88	79.83		137.2
1600					83.59	85.38	83.69	83.51	83.87	83.58	84.46	84.36	85.81	85.32	85.24	81.93	80.42		136.2
2000					83.84	85.22	83.99	84.46	83.59	84.26	83.91	84.26	85.79	84.94	85.19	80.88	79.35		136.4
2500					84.44	83.97	87.12	86.13	86.68	83.27	83.17	84.02	87.37	87.48	86.86	82.28	81.42		140.1
3150					88.29	86.69	88.72	89.84	88.76	86.14	87.51	89.24	91.75	89.86	90.31	85.12	84.38		143.3
4000					92.98	93.46	92.33	95.16	94.49	95.26	96.85	97.34	96.94	92.88	92.67	89.89	87.93		149.6
5000					84.46	85.39	85.69	84.75	86.56	87.38	85.89	87.65	87.93	86.48	86.49	82.52	80.49		141.5
6300					86.88	85.24	87.57	87.91	89.99	88.19	86.47	88.76	90.93	91.79	88.81	85.34	83.35		144.3
8000					88.43	87.52	87.89	86.24	89.16	85.66	86.85	88.95	88.43	91.49	88.74	84.49	82.29		144.7
10000					85.59	83.53	84.20	84.22	88.43	3.85	82.37	84.59	86.63	87.59	85.31	83.44	80.85		143.1
MEASURED OASPL					98.61	98.79	98.64	99.32	99.97	98.93	99.49	100.8	101.5	100.2	99.99	97.87	96.74		
CALCULATED OASPL					97.74	97.84	97.78	98.55	99.85	98.27	98.74	100.1	100.7	99.58	99.86	96.17	95.11		
PNLS					112.8	113.2	112.7	114.1	114.1	113.9	114.5	115.8	116.2	115.8	113.9	111.1	109.6		

OAPWL: 153.9

AMBIENT TEMP. 35.82
WET-BULB TEMP. 32.28
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/78 R/D 1/30/78+3

RUN=11 RDC=85 SPEED=6247

RADIAL DISTANCE 150

DATE: 2/ 1/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.0	10.0	22.0	38.7	48.3	58.0	68.0	78.2	88.7	98.2	108.0	118.0	128.0	138.0	148.0	158.0	168.0	178.0	(PWL)
50				1.144	-3.46	-5.22	-4.58	-3.45	-2.95	-2.87	-.957	.6839	-.855	2.656	3.407	7.469			
63				-3.27	2.945	-5.28	-4.66	-3.97	-3.58	-1.75	-1.15	.2674	.6838	2.528	3.226	6.782			
80				-4.21	-4.57	-5.31	-4.88	-3.73	-2.39	-1.22	-.621	1.161	1.143	2.979	4.849	6.743			
100				-4.95	-4.21	-4.59	-4.13	-3.17	-1.98	-1.15	-.342	1.819	2.933	3.182	4.659	4.738			
125				-3.69	-3.52	-4.37	-4.85	-3.52	.1781	-.899	-.975	1.146	1.588	2.641	3.547	5.275			
160				-4.28	-3.32	-3.67	-3.88	-2.73	-.859	.3628	1.111	1.916	1.499	2.991	2.695	4.877			
200				-3.29	-.837	-1.89	-2.49	-2.11	-1.69	-1.15	-.832	2.781	1.929	2.475	3.187	2.428			
250				-4.49	-2.88	-2.12	-2.62	-4.23	-3.96	-2.87	-1.32	.3793	1.484	3.394	4.924	5.933			
315				-4.83	-.886	-1.34	-2.26	-4.47	-2.99	-2.21	-.311	.9283	1.931	3.428	4.585	4.912			
400				-2.03	-.958	-1.69	-1.99	-4.88	-2.31	-1.22	-.328	1.357	1.771	3.189	3.956	3.129			
500				-2.23	-.992	-2.29	-2.16	-1.42	-.889	-.748	.4857	1.269	1.443	3.842	2.867	.9284			
630				-.273	-.341	-1.88	-.971	-.444	.8467	.2874	.3367	.9946	1.132	2.162	1.486	.3893			
800				-.631	2.638	1.185	-1.16	-2.18	-1.49	-1.82	-.389	1.189	1.627	2.229	1.981	-.715			
1000				1.771	1.899	.6989	-.983	-.121	-.944	-.755	-.129	.6489	.3116	2.492	.9876	-.781			
1250				-.393	1.986	.6587	-.586	.1343	-.822	.8697	.8386	1.961	.7991	2.114	-.248	-1.12			
1600				-.132	1.666	-.829	-.288	-.652	-.143	.7493	.6388	1.293	1.682	1.917	-1.79	-3.29			
2000				.8439	1.486	.1748	.6436	-.221	.4491	-.383	.4459	1.981	1.124	1.383	-2.03	-4.47			
2500				-.862	-1.34	1.818	.8386	1.379	-2.84	-2.13	-.884	2.878	2.179	2.753	-3.82	-3.89			
3150				.8834	-1.49	.4291	.7495	.4888	-4.19	-.775	.9479	3.499	1.947	2.824	-3.17	-3.91			
4000				-1.28	-.797	-1.93	.9896	.2418	1.888	1.798	3.898	2.682	-2.18	-1.58	-4.45	-6.33			
5000				-1.97	-.634	-.339	-1.29	.8299	1.352	-.145	1.822	1.981	2.445	.4923	-3.71	-8.54			
6300				-1.36	-3.88	-.675	-.336	1.797	-.849	-1.77	.5172	2.684	3.544	.5781	-2.49	-4.89			
8000				.7328	-.184	.1935	-1.44	1.489	-2.84	-.895	1.285	.9868	3.786	1.839	-3.31	-8.41			
10000				.7549	-1.38	-.633	-.615	3.598	-1.78	-2.46	-.837	1.798	2.788	.4768	-1.39	-3.98			

AMBIENT TEMP. 35.0?
WET-BULB TEMP. 32.0?
BAR. PRESSURE 28.9?
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/78 R/D 1/30/78-3

RUN=11 RDN=85 SPEED=6202

RADIAL DISTANCE 152

PAGE: 1

DATE: 2/ 1/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PNL)
52	78,87	73,89	72,84	73,53	75,19	74,89	75,48	75,26	76,75	75,51	78,92	79,52	87,52						129,9
63	78,43	76,89	72,38	73,27	74,65	74,19	75,84	75,72	77,12	76,49	78,94	79,93	85,42						130,2
80	76,62	78,06	71,27	72,48	73,84	74,68	74,82	75,36	77,82	77,82	78,13	80,21	82,78						130,8
100	75,25	72,91	72, 1	75,34	77,26	76,73	76,48	76,32	78,97	79,99	83,81	81,73	82,99						131,7
125	74,37	71,81	71,40	73,04	74,19	76,24	74,73	75,51	77,33	77,31	79,48	80,81	81,99						129,8
160	71,85	69,95	68,21	69,85	71,42	72,49	73,34	73,79	75,17	74,91	75,79	76,44	77,79						126,9
200	69,57	68,66	68,29	68,30	69,30	69,49	69,48	70,62	71,82	72,79	73,22	73,10	73,89						124,2
252	66,73	66,36	66,21	67,88	66,72	66,42	67,36	69,14	70,80	71,98	73,39	74,09	75,49						123,9
315	73,92	74,86	76,23	76,37	72,31	73,59	74,66	76,36	77,64	78,96	80,42	81,91	81,84						130,9
400	77,57	78,48	78,14	77,98	75,39	77,34	78,18	79,59	81,16	81,67	83,15	84,86	83,17						133,4
500	77,37	78,26	77,22	76,84	78,26	78,47	78,98	79,89	80,97	81,88	83,13	82,61	80,58						133,5
630	76,83	76,11	75,22	75,69	75,92	76,57	76,87	76,98	77,99	77,94	79,46	78,84	77,96						130,8
800	79,44	82,48	80,89	78,76	77,71	78,73	78,49	80,82	81,28	81,89	82,26	81,48	78,68						134,1
1000	84,22	84,42	83,86	81,19	82,42	81,95	82,19	82,59	83,96	83,17	85,58	83,39	82,13						134,9
1260	83,47	85,66	84,83	82,83	83,93	83,89	83,87	84,13	84,68	84,87	85,78	83,37	80,91						135,1
1580	84,31	85,97	83,88	84,86	83,84	84,59	85,42	85,55	86,37	86,44	86,58	82,75	81,56						135,4
2000	84,59	85,74	84,44	84,78	84,28	85,38	84,49	85,24	87,81	86,24	86,42	83,29	80,44						141,8
2520	85,28	84,78	87,99	86,56	87,38	84,41	84,39	85,65	88,57	88,67	89,84	85,37	82,47						144,8
3150	88,69	87,32	89,15	89,24	89,29	86,91	88,47	90,11	92,69	90,87	91,31	85,98	83,34						149,5
4000	93,19	94,28	92,16	95,43	94,28	96,97	97,77	98,89	97,46	93,87	92,45	88,45	87,58						148,9
5040	85,47	86,41	86,47	86,15	87,53	89,88	87,91	90,14	89,28	89,48	87,72	83,71	81,82						149,4
6300	87,53	85,86	87,71	89,13	91,36	87,79	87,95	90,86	92,57	92,39	89,76	86,17	84,66						149,4
8000	88,51	87,72	88,58	86,78	90,82	87,15	88,87	89,44	88,98	89,89	91,28	85,72	83,93						148,4
10080	85,69	83,67	84,71	84,59	89,12	83,98	85,83	85,96	89,89	88,38	87,89	83,98	81,75						144,3
MEASURED OASPL	99,34	99,46	99,16	99,91	100,7	100,4	101,1	103,4	102,6	101,2	101,1	98,07	97,99						
CALCULATED OASPL	98,29	98,49	98,17	99,85	99,69	99,62	100,4	98,27	101,8	100,4	100,1	96,97	96,24						
PNDB	113,4	113,9	112,9	114,6	114,4	115,4	116,1	111,9	117,1	115,1	114,5	111,5	110,2						

OAPWL: 154,3

AMBIENT TEMP. 35.82
WET-BULB TEMP. 32.28
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 58 & 5C T/D 1/27/78 R/D 1/30/78-3

RPM=11 BDG=60 SPEED=6452

RADIAL DISTANCE 156

DATE: 2/21/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.8	12.8	22.2	32.2	42.2	52.8	62.8	72.2	82.2	92.2	102.2	112.8	122.8	132.8	142.8	152.2	162.8	172.8 (PWL)
52	2,199	-3,58	-3,83	-3,14	-1,48	-1,78	-1,19	-1,41	,8887	-1,16	2,245	2,844	7,132					
63	1,588	1,742	-4,47	-3,58	-2,19	-2,65	-1,88	-1,14	,2793	-,346	2,891	3,284	6,569					
80	,2842	-5,38	-5,87	-3,88	-2,58	-1,84	-1,42	-,148	,6884	,6832	2,704	3,888	4,442					
100	-2,98	-5,32	-5,51	-2,89	-1,17	-1,49	-1,74	-1 91	,7459	1,367	4,785	3,581	4,769					
125	-2,21	-4,57	-4,78	-3,34	-2,28	-,141	-1,65	-,67	,9467	,9275	3,278	3,625	5,214					
160	-1,54	-3,44	-5,38	-3,54	-1,97	-,982	-,845	,4462	1,778	1,922	2,488	3,892	4,398					
200	-1,22	-1,92	-2,29	-2,22	-1,27	-,88	-1,29	,8486	1,247	2,223	2,446	2,827	3,822					
250	-3,49	-1,47	-2,82	-2,35	-3,51	-3,81	-2,87	-1,89	,9713	1,748	3,364	4,766	5,297					
315	-3,29	-,356	-,987	-2,84	-4,98	-3,61	-2,55	-,856	,4893	1,729	3,487	4,697	4,629					
400	-2,23	-1,32	-1,66	-2,72	-4,39	-2,49	-1,62	-,283	1,363	1,872	3,357	4,259	3,369					
500	-2,21	-1,32	-2,36	-2,73	-1,52	-1,11	-,473	,3169	1,395	2,224	3,547	3,833	1,827					
630	-,767	-,698	-1,58	-1,11	-,882	-,227	,8842	,1811	1,196	1,139	2,656	2,035	1,154					
800	-,323	2,519	,9375	-1,28	-2,25	-1,23	-1,46	,8987	1,241	1,894	2,388	1,492	-1,28					
1000	1,498	1,693	,3395	-1,53	-,385	-,774	-,537	-,126	,8548	,4446	2,779	,6691	-,994					
1250	-,318	1,877	,2518	-,987	,1926	-,683	,8857	,3582	1,821	,7829	1,919	-,416	-2,88					
1600	-,385	1,297	-,793	-,616	-,833	-,888	,7491	,8758	1,698	1,778	1,834	-1,92	-3,11					
2000	-,168	,9739	-,124	,8113	-,487	,5813	-,849	,4749	2,241	1,478	1,652	-2,97	-4,33					
2500	-1,86	-1,49	1,727	,2943	1,111	-1,84	-1,88	-,621	2,384	2,486	2,769	-2,98	-3,80					
3150	-,364	-1,74	,8987	,1824	,2319	-4,15	-,786	1,855	3,439	1,885	2,251	-3,10	-3,72					
4000	-1,82	,8699	-2,85	1,222	-,887	2,759	3,959	-24,1	3,254	-,339	-1,76	-4,76	-6,63					
5000	-1,96	-1,84	-,978	-1,29	,8795	1,433	,4955	2,789	1,839	1,949	,2448	-3,74	-5,33					
6300	-2,77	-4,24	-1,59	-,171	2,855	-1,51	-1,36	1,551	3,267	3,881	,4944	-3,13	-4,65					
8000	-,869	-,859	-,881	-1,81	2,236	-1,43	,2828	1,843	1,337	1,488	2,497	-2,86	-4,45					
10000	-,289	-2,31	-1,28	-1,39	3,138	-1,99	-,949	-,824	3,187	2,321	1,189	-2,80	-4,23					

AMBIENT TEMP. 35.8F
WET-BULB TEMP. 32.8F
BAR. PRESSURE 28.95
ABS. - MIDITY 3,976

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/77 R/D 1/30/70-J

RUN=11 RDR=86 SPEED=6457

077

RADIAL DISTANCE 150

DATE: 2/21/79 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.8	12.2	22.8	32.2	42.7	52.2	62.8	72.8	82.2	92.8	102.2	112.8	122.8	132.8	142.8	152.2	162.8	172.8	(PWL)
52				77.92	72.56	71.44	71.43	73.01	73.31	74.51	75.63	77.44	76.85	78.85	79.64	83.94			129.7
63				78.21	77.67	72.27	72.68	72.86	73.11	74.87	76.25	77.63	77.84	78.76	79.76	83.83			130.2
80				77.25	71.87	78.43	71.27	72.97	73.55	74.81	76.68	77.25	76.78	78.89	80.40	83.41			129.8
100				77.87	74.76	71.44	75.38	74.68	77.26	75.43	77.72	79.27	82.81	83.67	82.98	83.45			130.3
125				75.69	73.87	71.27	73.32	73.59	74.41	75.84	76.52	78.82	79.61	81.39	81.15	82.83			128.6
160				72.57	72.36	69.67	69.59	70.36	72.33	73.33	74.24	75.35	74.65	75.55	75.84	77.34			126.9
200				72.85	68.59	68.21	68.71	68.48	68.62	69.49	71.62	71.97	72.11	72.40	74.88	73.81			124.3
250				68.29	69.82	69.23	68.28	67.59	67.32	67.94	70.75	73.93	73.28	70.48	73.85	77.47			126.8
315				74.24	77.56	75.48	74.83	72.78	73.95	74.76	77.84	78.74	80.80	81.72	82.51	82.65			131.8
400				77.71	78.78	77.95	77.17	75.69	77.57	78.16	80.89	81.67	82.82	83.81	84.89	83.26			133.9
500				78.25	78.88	77.47	77.88	78.19	78.77	79.97	82.21	81.51	81.58	82.99	82.17	80.14			133.6
630				76.91	76.48	75.56	75.82	76.49	77.19	77.28	76.65	77.89	77.68	79.84	78.18	77.84			130.8
800				78.96	82.48	81.84	78.96	77.83	78.61	78.68	79.99	81.56	81.91	82.77	81.91	80.82			134.9
1000				84.27	84.68	83.19	81.66	82.48	81.67	82.89	82.51	83.55	82.74	84.62	82.67	81.89			136.7
1250				83.84	85.68	86.88	83.98	83.87	82.98	83.86	84.21	85.18	84.58	85.89	83.39	81.22			138.1
1600				83.94	85.98	83.82	84.18	83.83	84.32	85.24	85.23	86.81	86.17	86.97	82.38	81.39			136.9
2000				84.18	85.58	84.39	84.66	85.25	85.24	84.32	84.94	86.78	86.87	86.19	80.86	79.97			138.1
2500				85.86	84.51	87.63	86.78	87.37	84.32	84.87	85.43	88.34	88.34	88.79	82.86	82.32			140.8
3150				88.66	87.15	89.18	89.49	89.39	86.76	88.29	89.87	92.36	90.44	90.82	85.33	84.92			143.8
4000				92.95	95.85	91.62	94.47	94.82	96.11	68.77	96.26	96.85	93.35	92.33	89.21	87.74			148.7
5000				85.72	87.65	87.87	96.73	87.98	89.85	90.78	89.28	89.18	89.36	87.66	83.84	81.98			143.1
6300				87.47	85.89	87.37	88.86	90.68	87.44	87.31	90.71	92.78	92.55	89.73	85.59	84.89			145.2
8000				88.30	87.44	90.26	87.19	90.71	87.22	88.84	89.81	89.52	90.44	89.79	84.89	83.53			145.3
10000				85.65	83.56	84.66	84.99	89.21	84.11	84.68	85.73	87.99	88.49	87.81	83.45	81.44			144.1
MEASURED OASPL				99.10	99.71	98.95	99.58	100.5	99.88	101.4	101.1	102.8	101.1	100.8	98.81	98.87			
CALCULATED OASPL				98.17	98.84	97.99	98.75	99.55	99.14	96.69	100.2	101.2	100.4	99.87	96.77	96.29			
PNDB				113.3	114.4	112.7	114.1	114.3	114.8	110.4	115.7	116.3	115.1	114.4	111.3	110.2			
																		OAPWL:	154.3

AMBIENT TEMP. 35.00
WET-BULB TEMP. 32.00
BAR. PRESSURE 28.99
ABS. HUMIDITY 3.926

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/O 1/27/79 R/O 1/30/79-3

RUN=11 ROO=87 SPEED=6680

C18

RADIAL DISTANCE 158

DATE: 2/ 1/7[illegible] PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.8	10.2	20.8	30.2	40.8	50.2	60.2	70.8	80.2	90.2	102.2	110.2	120.2	130.2	140.8	150.2	160.2	170.8	(PWL)
50				1,502	-3,86	-4,97	-4,99	-3,41	-3,11	-1,91	-,783	1,824	-,371	2,435	3,227	7,519			
63				1,192	,8566	-4,54	-4,14	-3,95	-3,71	-1,95	-,583	,8148	,2243	1,949	2,947	7,813			
80				,8937	-3,29	-5,93	-5,89	-3,79	-2,81	-1,55	-,756	,8861	,4225	2,492	4,133	7,868			
100				-1,95	-4,15	-7,51	-3,56	-4,15	-1,69	-3,52	-1,23	,3218	3,858	4,721	4,828	4,503			
125				-1,59	-4,22	-6,22	-3,96	-3,69	-,878	-2,25	-,768	,[illegible]27	2,327	4,106	3,864	4,747			
160				-,717	-2,93	-3,62	-3,69	-,93	-,954	,8423	,9534	2,848	1,366	2,265	2,558	4,849			
200				,2885	-2,84	-2,43	-1,93	-2,16	-1,82	-1,17	,9848	1,329	1,488	1,852	3,364	3,173			
250				-4,22	-3,31	-3,28	-4,84	-4,72	-4,99	-4,37	-1,56	1,822	,9896	4,166	5,739	5,157			
315				-3,78	-,461	-2,54	-3,19	-3,24	-4,87	-3,26	-,979	,7164	2,826	3,682	4,486	4,827			
400				-2,37	-1,31	-2,13	-2,92	-4,39	-2,52	-1,92	,6885	1,582	1,935	3,722	4,214	3,179			
500				-1,61	-,783	-2,19	-2,66	-1,48	-,889	-,595	,5471	1,849	1,837	3,288	2,582	,4745			
630				,1399	-,293	-1,28	-,954	-,282	,4238	,5187	-,286	,8187	,9119	2,273	1,414	,2759			
800				-1,19	2,327	,3866	-1,37	-2,56	-1,94	-3,48	-,154	1,484	1,782	2,619	1,797	-,152			
1000				1,711	2,124	,6314	-,988	-,156	-,882	-,465	-,851	,9932	,1858	2,865	,1112	-,864			
1250				-,719	1,927	,3199	-,755	-,896	-,878	,8843	,4498	1,728	,7468	2,132	-,459	-2,53			
1600				-,588	1,458	-,621	-,262	-,617	-,121	,7947	,7847	1,969	1,725	1,627	-2,14	-3,86			
2000				-,287	1,188	-,872	,1975	-,524	,5871	-,149	,4675	2,312	1,393	1,717	-3,51	-4,49			
2500				-1,82	-1,58	1,743	,6761	1,285	-1,77	-2,82	-,657	2,248	2,256	2,781	-3,22	-3,76			
3150				-,188	-1,69	,3281	,6367	,9439	-4,89	-,557	1,822	3,589	1,591	1,969	-3,52	-3,93			
4000				-,583	1,599	-1,85	1,822	,5723	2,663	-24,7	2,812	2,681	,3793	-4,12	-4,24	-5,71			
5000				-1,84	-,589	-,492	-,832	,4174	1,487	1,225	1,723	1,628	1,883	,9992	-3,92	-5,58			
6300				-1,67	-4,85	-1,67	-,343	1,534	-1,78	-1,84	1,585	3,636	3,484	,3894	-3,56	-5,85			
8000				,9693	-,992	,8265	-1,84	2,478	-1,81	-,188	,7792	1,285	2,288	1,566	-3,34	-4,78			
10000				-,147	-2,24	-1,12	-,813	3,419	-1,69	-1,12	-,874	2,187	2,693	1,213	-2,35	-4,36			

AMBIENT TEMP. 35.0F
WET-BULB TEMP. 32.2F
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/27/78 R/D 1/30/78-3

RUN=11 REG=87 SPEED=6600

RADIAL DISTANCE 150

DATE: 2/21/78 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	2.8	10.8	22.2	32.2	42.2	52.8	62.8	72.8	82.8	92.2	102.8	112.8	122.8	132.2	142.2	152.2	160.8	170.8	(PWL)
FREQ.																			
50				78.52	73.93	72.52	72.49	74.25	74.88	74.97	76.41	78.87	77.19	80.49	81.17	85.44			130.9
63				82.35	76.67	74.29	73.57	74.25	74.42	75.73	76.89	78.48	78.64	81.40	82.38	85.79			131.9
80				77.36	72.22	73.81	72.91	73.84	74.44	76.88	76.98	78.81	78.37	81.17	82.20	88.19			131.4
100				75.57	73.19	72.64	74.38	75.51	76.49	77.14	77.73	78.99	79.89	81.71	82.83	85.83			132.9
125				74.29	73.93	75.87	77.75	80.12	81.34	81.21	79.19	80.92	81.79	84.89	83.93	86.22			134.1
160				73.68	72.23	71.71	78.72	71.65	73.35	74.39	75.13	76.52	76.18	77.66	78.89	79.53			128.4
200				71.56	78.18	69.84	68.96	68.51	78.28	78.52	71.99	73.84	73.13	74.61	74.76	74.51			185.2
250				69.54	69.53	72.18	68.95	68.31	67.69	68.84	71.18	73.16	74.88	76.55	77.39	78.19			126.2
315				76.95	76.89	75.59	76.66	73.73	74.41	76.76	72.93	79.66	81.74	84.61	83.84	83.47			133.8
400				78.43	79.51	78.89	78.12	77.34	78.36	79.79	80.94	82.94	83.84	85.79	85.89	85.87			135.4
500				79.45	79.87	79.38	77.65	80.88	79.97	80.73	82.32	83.17	83.69	84.87	84.29	82.86			135.4
630				76.77	76.91	75.85	76.73	77.98	78.87	78.62	79.29	79.71	80.83	80.87	79.84	78.87			132.3
800				78.37	81.81	81.16	78.19	78.85	78.12	79.54	81.15	82.19	82.48	83.36	82.33	80.81			134.7
1000				84.12	84.80	83.44	81.84	82.98	82.52	82.91	83.58	84.44	83.59	85.87	83.83	82.69			137.4
1250				83.38	85.71	84.17	84.87	84.39	83.66	83.78	84.49	85.43	84.56	85.84	85.38	81.43			138.3
1600				84.73	86.31	83.93	84.29	84.43	84.64	85.45	85.65	86.84	86.73	86.51	82.94	82.15			139.3
2000				83.96	85.49	84.47	84.54	83.96	85.15	84.36	84.95	84.73	86.33	86.51	80.88	80.12			139.1
2500				85.29	84.58	87.59	86.21	87.22	84.46	84.38	85.77	88.56	88.63	89.89	83.18	82.51			140.9
3150				89.22	87.55	89.16	89.45	89.45	88.15	89.13	90.61	92.71	90.89	91.26	85.55	85.36			144.2
4000				93.49	94.37	92.21	94.45	96.89	97.69	95.83	100.4	95.64	94.68	91.88	86.38	86.83			150.7
5000				89.49	90.21	89.85	90.71	93.52	94.33	91.49	94.35	91.58	92.34	90.17	86.25	84.48			147.4
6300				88.25	85.69	87.58	89.35	90.75	87.19	88.24	90.89	93.12	90.65	89.32	85.95	84.87			145.1
8000				88.22	87.37	87.42	87.43	92.48	87.16	88.38	92.71	90.85	90.74	91.18	85.85	83.57			145.9
10000				86.72	84.61	85.97	86.35	91.91	85.89	85.55	87.18	89.35	89.31	89.31	86.89	82.83			143.8
MEASURED OASPL				99.98	99.95	99.49	100.8	102.3	101.4	100.8	103.7	102.5	101.7	101.7	98.92	99.86			
CALCULATED OASPL				98.92	99.28	98.48	99.38	101.6	100.9	99.86	103.3	101.7	101.8	100.6	97.59	97.24			
DVDB				113.9	114.3	113.2	114.4	116.5	116.3	115.2	118.7	116.5	115.8	114.7	111.3	110.4			
																	OASPWL:		155.7

AMBIENT TEMP. 35.00
WET-BULB TEMP. 32.00
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 59 & 60 T/D 1/27/78 R/D 1/30/78

RUN=11 RPS=69 SPEED=6900

RADIAL DISTANCE 152

DATE: 2/ 1/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (OVL)
22	.9665	-3.68	-5.29	-5.13	-3.36	-3.93	-2.65	-1.22	.4536	-.423	2.882	3.554	7.827					
63	1.494	.1287	-4.3	-4.98	-4.31	-4.13	-2.88	-1.66	-.876	.8838	2.932	3.835	7.245					
88	-.832	-5.87	-4.98	-5.88	-4.35	-3.35	-1.9	-1.82	.8168	.3746	3.175	4.386	7.157					
100	-2.89	-5.27	-5.82	-4.15	-2.94	-1.97	-1.32	-.728	.9395	.6328	3.246	4.374	6.578					
125	-4.28	-4.64	-4.7	-2.83	-.456	.7659	.8344	-1.38	.3489	1.219	3.219	3.358	3.644					
160	-1.18	-2.63	-3.14	-4.14	-3.21	-1.58	-.462	.2763	1.662	1.323	2.808	3.243	4.669					
200	-.831	-1.49	-1.75	-2.63	-3.88	-1.39	-1.87	.3991	1.445	1.538	3.822	3.169	2.916					
250	-2.95	-2.97	-2.32	-3.54	-4.18	-4.79	-3.65	-1.39	.8615	1.583	4.851	4.896	5.694					
315	-2.29	-1.18	-3.66	-2.88	-5.51	-4.84	-4.49	-1.31	.4189	2.489	4.359	4.598	4.422					
400	-3.16	-2.27	-2.68	-3.46	-4.54	-3.22	-1.79	-.638	1.357	2.256	4.228	4.313	3.492					
500	-2.27	-1.64	-1.53	-3.87	-1.52	-1.55	-.786	.8819	1.653	2.167	3.348	2.769	1.342					
630	-1.62	-1.42	-2.46	-1.59	-.349	-.251	.8939	.9722	1.386	1.789	2.539	1.516	.5465					
800	-2.28	1.244	.5899	-1.37	-2.52	-1.49	-4.83	.5824	1.824	1.848	2.795	1.769	-.555					
1000	.8654	1.547	.1851	-1.42	-.279	-.736	-.346	.2447	1.179	.3423	2.689	.5679	-.962					
1250	-.578	1.793	.2151	-.389	.4374	-.296	-.176	.5289	1.474	.4849	1.886	-.578	-2.53					
1600	-.174	1.485	-.977	-.611	-.478	-.264	.3444	.7406	1.936	1.819	1.686	-1.97	-2.76					
2000	-.589	.9529	-.874	.8818	-.584	.8862	-.288	.4823	2.188	1.788	1.966	-8.86	-4.43					
2500	-.887	-1.41	1.412	.8284	1.854	-1.73	-1.81	-.417	2.376	2.447	2.911	-3.81	-3.68					
3150	-.329	-1.09	-.492	-.1873	.4849	-4.89	-.128	1.366	3.699	1.846	2.915	-3.69	-3.89					
4000	-1.89	-1.81	-3.18	-.928	1.517	2.318	.2491	5.826	.2685	-.783	-3.58	-7.38	-8.55					
5000	-2.38	-1.15	-2.81	-1.16	1.664	2.472	-.374	4.491	-.284	.4828	-1.69	-8.61	-7.38					
6300	-.758	-3.38	-1.49	.3587	1.751	-1.81	-.754	1.181	4.122	1.693	.3252	-3.85	-4.92					
8000	-.883	-1.93	-1.48	-1.46	3.583	-1.74	-.516	.8398	1.955	1.844	2.283	-3.85	-2.32					
10000	-.743	-2.86	-1.89	-1.12	4.446	-1.57	-1.91	-.286	1.879	1.843	1.843	-1.36	-4.63					

AMBIENT TEMP. 35.28
WET-BULB TEMP. 32.82
BAR. PRESSURE 28.95
ABS. HUMIDITY 3.976

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/27/72 R/D 1/3?/72-3

RUN=11 RD=88 SPEED=6980

RADIAL DISTANCE 150

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.2	20.4	30.0	40.0	50.0	60.0	70.2	80.2	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.2	(PWL)
50				71,22	69,39	68,18	67,83	69,47	70,43		69,82	73,77	70,71	72,29	73,48	75,16			123,7
63				67,27	76,11	67,71	68,54	69,37	69,87		69,56	73,26	71,54	72,21	72,21	74,58			124,1
80				67,19	67,88	67,82	16,75	67,59	68,55		69,21	72,29	70,65	71,56	73,87	74,48			122,8
100				66,42	66,84	65,43	66,12	67,19	68,49		68,69	71,94	69,89	72,39	71,49	73,87			122,8
125				65,65	64,86	65,25	65,38	65,97	72,39		67,94	70,99	70,28	70,15	70,76	72,88			122,8
160				63,99	65,44	66,87	65,83	66,78	66,77		67,94	71,52	69,29	69,43	70,32	70,69			121,2
200				62,73	64,65	63,49	63,89	62,86	65,22		65,22	67,14	67,25	67,65	68,14	68,12			118,7
250				61,24	62,69	62,93	62,65	60,47	60,43		60,51	64,26	62,32	63,19	65,11	65,81			115,6
315				67,91	70,73	68,59	68,26	67,26	66,78		67,41	68,23	68,14	68,53	69,81	69,51			121,3
400				70,08	71,19	69,95	69,51	68,67	69,86		70,22	71,31	71,59	71,94	72,53	72,38			123,7
500				70,22	69,89	69,80	68,69	70,82	70,83		71,66	72,93	73,46	73,66	73,62	72,44			124,8
630				69,96	70,52	69,57	68,52	69,42	69,22		70,69	72,27	73,06	73,49	72,76	72,38			124,4
800				70,81	72,23	70,70	72,85	71,37	71,55		71,48	73,32	73,68	73,88	73,12	72,39			126,9
1000				79,82	79,81	78,57	75,59	76,23	75,83		76,62	77,88	78,75	79,12	77,99	75,58			131,8
1250				79,54	79,37	79,11	77,98	78,44	76,89		77,49	78,97	78,79	78,44	77,16	75,85			131,7
1600				80,46	78,81	78,19	77,84	77,79	76,33		79,39	80,35	80,95	80,12	78,22	75,89			132,5
2000				80,17	77,69	76,85	76,33	77,14	74,87		79,58	79,76	79,83	79,58	77,84	74,98			132,8
2500				80,33	79,83	78,62	77,44	76,59	77,32		78,33	80,19	79,34	78,78	75,39	74,63			132,3
3150				87,68	87,52	86,49	87,84	85,78	84,51		84,85	89,91	88,63	87,63	82,79	83,56			141,2
4000				83,81	80,34	81,21	81,13	81,37	78,78		82,22	84,96	83,98	82,51	79,77	78,36			136,5
5000				80,83	78,18	78,53	77,94	78,99	76,41		82,41	81,87	82,38	80,89	80,16	75,67			134,9
6300				85,41	84,13	83,33	82,42	84,14	82,93		82,99	87,29	85,28	83,55	80,85	80,73			139,3
8000				83,29	79,17	80,83	78,94	82,85	76,66		79,46	82,37	81,62	82,88	79,57	76,98			136,9
10000				83,19	82,75	81,74	81,44	85,27	80,86		82,32	82,24	82,61	81,59	80,26	77,92			139,7
MEASURED OASPL				94,15	93,13	92,49	91,83	92,54	91,29		92,27	95,26	94,27	93,69	91,33	90,58			
CALCULATED OASPL				93,67	92,63	91,93	91,32	92,46	90,91		91,96	94,71	93,88	93,84	92,79	89,91			
PWDB				136,3	137,6	136,8	135,8	136,6	136,2		136,3	139,8	138,9	138,1	135,0	134,8			
																		OAPWL:	147,3

AMBIENT TEMP. 32,88
WET-BULB TEMP. 20,69
BAR. PRESSURE 28,99
ABS. HUMIDITY 2,342

FAA FAN/COMPRESSOR - PHASE 2B & 3C. T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=89 SPEED=5960

C82

RADIAL DISTANCE 152

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50				.8011	-2.03	-2.32	-2.59	-.951	-.819		-.617	3.351	.2843	1.564	2.979	4.739		
63				-3.49	5.349	-3.25	-2.23	-1.39	-.897		-.959	2.498	.7794	1.248	1.445	3.796		
80				-2.16	-2.35	-2.34	-2.62	-1.83	-.798		-.145	2.947	1.321	2.208	3.722	5.113		
100				-2.11	-1.69	-3.09	-2.40	-1.34	-.841		.1580	3.[illegible]29	1.362	1.865	2.961	4.539		
125				-2.85	-3.64	-3.24	-3.12	-2.53	3.829		-.3[illegible]	2.489	1.779	1.649	2.264	3.525		
160				-3.59	-2.14	-.715	-2.52	-.877	-.811		.3570	3.936	1.719	1.545	2.738	3.118		
200				-2.31	-.379	-1.54	-1.15	-2.17	.1845		.1869	2.131	2.222	2.614	3.183	3.285		
250				-.677	.7783	1.889	.7251	-1.45	-1.49		-1.41	2.337	.3972	1.269	3.[illegible]	3.894		
315				.3972	3.273	1.392	.7499	-.253	-1.31		-.122	.7222	.6265	1.218	2.124	1.299		
400				.1898	1.297	.2544	-.387	-1.22	-.831		.3268	1.42[illegible]	1.764	2.245	2.634	2.491		
500				-.682	-.995	-1.79	-2.19	-.262	-.358		.7729	2.[illegible]42	2.569	2.777	2.733	1.553		
630				-.412	.1454	-.809	-1.86	-.959	-1.15		.3247	1.695	2.682	3.114	2.412	1.929		
800				2.969	4.384	2.953	.8883	-1.47	-1.31		-1.41	.4811	.7634	.9611	.2863	-.449		
1000				2.979	2.169	1.726	-1.25	-.613	-1.81		-.219	1.238	1.966	2.282	1.154	-1.25		
1250				2.112	1.939	1.675	.5458	1.024	-.535		.2593	1.539	1.355	1.286	-.268	-1.58		
1600				2.436	.7848	.1714	-.978	-.225	-1.69		1.372	2.326	2.527	2.896	.1995	-2.14		
2000				2.765	.2851	-.555	-1.28	-.261	-2.53		2.171	2.342	2.421	2.175	.4377	-2.52		
2500				2.776	2.276	1.060	-.113	-.965	-.237		.7693	2.639	1.783	1.222	-2.16	-2.73		
3150				1.398	1.309	.2865	.8324	-.425	.3231		-1.35	3.699	2.424	1.428	-3.41	-2.35		
4000				2.596	-.872	-.028	-.085	.1574	-2.43		1.212	3.749	2.689	1.322	-1.44	-2.86		
5000				1.432	-1.22	-.871	-1.46	.5887	-2.99		3.289	2.466	2.799	1.484	.7551	-3.74		
6300				2.224	.9482	.1[illegible]	-.768	.9495	-.258		-.191	4.131	1.813	.3669	-2.31	-2.44		
8000				3.397	-.719	.1420	-.953	2.957	-3.23		-.433	2.482	1.7[illegible]5	2.193	-.318	-2.91		
10000				1.788	1.347	.3419	.8411	3.864	-1.34		.9216	.3386	1.429	.1579	-1.14	-3.48		

AMBIENT TEMP. 32.00
WET-BULB TEMP. 26.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.312

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=89 SPEED=9000

RADIAL DISTANCE 152

DATE: 2/24/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(2-L)
FREQ,																			
50				76.51	74.47	72.63	72.84	71.62	72.14	72.97	74.27	73.24	74.39	75.62	79.33				126.8
63				74.49	77.86	71.79	72.41	72.53	72.28	72.17	73.37	73.25	74.49	75.29	78.99				126.6
80				73.54	71.42	72.94	72.79	69.15	68.99	71.84	73.26	72.56	73.89	75.97	78.42				125.5
100				72.68	71.37	72.20	72.63	68.99	69.75	73.29	73.87	73.22	75.27	76.29	78.79				125.9
125				71.98	72.25	68.46	69.25	68.28	73.23	72.93	72.71	73.24	73.22	74.76	77.23				125.2
160				69.74	68.65	67.44	67.45	67.25	68.84	72.35	72.29	72.39	72.28	73.51	75.12				123.6
200				68.43	67.75	67.64	66.56	68.56	69.15	68.92	71.26	72.47	71.84	72.38	75.79				123.4
250				67.97	68.18	67.21	66.29	64.18	65.83	62.17	64.86	64.84	64.83	66.27	67.44				118.5
315				72.44	71.67	72.54	69.10	67.26	67.84	68.32	69.73	69.72	69.65	71.54	71.45				122.7
400				71.99	73.79	73.36	71.69	70.48	71.29	72.83	73.68	74.44	73.41	75.61	74.93				126.2
500				71.74	72.17	71.65	71.52	73.27	73.35	74.79	76.28	76.77	76.24	76.97	75.58				127.8
630				71.32	72.58	71.67	71.29	72.56	73.84	73.72	75.33	76.82	76.82	76.28	75.29				127.5
800				75.75	77.63	75.93	74.26	73.63	72.19	72.42	74.29	74.63	75.85	74.29	74.53				127.8
1000				79.48	82.18	79.83	77.71	78.54	77.89	78.71	82.82	80.17	82.97	79.32	76.54				132.6
1250				79.36	82.85	82.66	79.61	80.37	77.63	79.28	82.48	81.16	80.67	78.47	77.80				133.4
1600				88.23	82.71	82.59	82.43	81.28	78.89	82.15	83.13	82.74	82.16	79.64	77.36				134.8
2000				82.15	82.87	79.63	79.59	79.97	76.87	82.12	82.36	82.47	81.39	79.25	76.73				134.3
2500				88.31	81.96	82.87	82.31	79.36	79.32	82.83	82.29	82.82	82.96	76.69	76.56				134.9
3150				88.95	89.76	87.58	89.42	89.21	88.85	88.29	93.76	92.27	89.98	85.12	85.76				143.9
4000				87.27	86.48	85.69	87.25	87.33	84.97	87.29	91.21	90.26	87.91	84.24	83.59				142.1
5000				81.49	82.89	80.95	81.41	83.12	79.38	86.76	84.93	86.28	83.27	81.75	78.14				138.8
6300				89.98	85.27	84.62	86.28	86.96	84.47	84.96	88.97	88.78	86.31	81.92	82.63				141.4
8000				84.41	85.81	83.75	84.36	87.44	81.69	85.14	94.64	87.97	84.91	83.27	81.49				141.6
10000				84.65	83.55	83.45	84.56	88.99	82.98	84.62	84.92	85.14	83.78	82.30	80.34				142.2
MEASURED OASPL				95.53	95.52	94.42	95.22	95.99	93.67	95.66	98.46	97.92	96.21	93.59	93.56				
CALCULATED OASPL				95.21	95.13	94.24	94.95	96.29	93.18	95.31	98.13	97.82	95.74	93.11	92.85				
PNDB				129.7	129.1	128.7	129.7	118.2	128.3	129.6	113.2	112.4	113.6	107.4	127.3				
																		OAPWL	158.4

AMBIENT TEMP. 32.22
WET-BULB TEMP. 28.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.312

FAA FAN/COMPRESSOR - PHASE 3B + 3C. T/O 1/32/72 S/O 2/3/72-3

RUN=11 RD1=92 SPEED=5527

C84

RADIAL DISTANCE 152

DATE: 2/24/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				3.233	.9947	-.548	-.621	-1.88	-3.34		-.529	1.289	-.236	.9221	3.145	5.847			
63				1.239	4.629	-1.46	-.839	-2.72	-3.17		-1.28	.137	-.265	.6389	3.236	5.744			
80				1.463	-.657	-1.54	-1.29	-2.93	-3.29		-.235	.181	.4795	1.822	3.887	6.336			
100				.1583	-1.15	-2.23	-1.89	-3.53	-2.77		.7686	1.348	.4859	2.547	3.766	6.264			
125				.5212	-1.22	-2.42	-2.23	-3.42	1.549		-.549	1.239	1.567	1.944	3.281	5.554			
160				-.327	-1.41	-2.62	-2.57	-3.09	-1.19		.3944	2.243	2.345	2.233	3.492	5.275			
200				-1.33	-2.22	-2.13	-3.21	-1.22	-.422		-.819	1.489	2.743	2.277	2.614	6.231			
250				3.214	3.428	2.256	1.943	-.574	.2712		-2.58	-.699	-.721	-.729	1.515	2.984			
315				1.562	2.598	.662	.3139	-1.62	-1.86		-.755	.8432	.8419	.8169	2.662	2.524			
400				-.378	1.418	.9977	-.671	-1.96	-1.87		.4628	1.312	2.271	1.246	3.245	2.565			
500				-2.29	-1.66	-2.19	-2.31	-.564	-.477		.1596	2.443	2.943	2.413	3.139	1.749			
630				-2.17	-.925	-1.81	-2.24	-.924	-.449		.1272	1.843	3.311	3.328	2.791	1.503			
800				2.245	3.922	2.214	.3448	-.877	-1.96		-1.29	.3835	.9156	1.339	.5825	.8175			
1000				1.249	1.753	1.469	-.718	.1113	-.536		.2817	1.597	1.742	2.544	.8966	-1.09			
1250				.2976	1.788	1.546	.5529	1.316	-1.43		.2181	1.624	2.166	1.416	-.565	-1.25			
1600				-.137	.3441	.2155	.6323	.9129	-1.48		1.783	2.756	2.365	1.794	-.732	-3.01			
2000				.4547	.3725	-.878	-.298	.2772	-2.83		2.425	2.659	2.797	1.694	-.453	-2.97			
2500				.5914	2.239	1.145	.5852	-.365	-.483		1.113	2.571	2.295	1.243	-3.69	-3.16			
3150				-.212	.7911	-1.39	.4489	.2419	-.914		-.877	4.739	3.124	1.216	-3.86	-3.24			
4000				.2428	-.419	-1.13	.4224	.5189	-1.85		.1654	4.387	3.237	1.288	-2.79	-3.23			
5000				-1.92	-1.82	-1.56	-1.89	.6237	-3.13		4.269	2.421	3.567	.5984	-.762	-4.37			
6300				.6338	-.874	-.723	.7421	1.616	-.869		-.186	3.959	3.398	.5727	-3.43	-2.71			
8000				2.861	.4624	-.798	-.189	2.993	-2.85		.5149	2.292	3.424	.3588	-1.47	-3.45			
10000				.7762	-.319	-.421	.6941	5.125	-2.89		.7519	1.849	1.272	-.292	-1.57	-3.53			

AMBIENT TEMP. 32.22
WET-BULB TEMP. 26.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.312

FAA FAN/COMPRESSOR - PHASE 5R + 5C T/D 1/31/72 R/D 2/3/72-3

RUN=11 RDG=92 SPEED=5922

RADIAL DISTANCE 152

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				74.29	72.83	68.48	69.25	71.68	72.85		73.21	76.59	72.22	73.84	75.88	79.52			126.3
63				71.17	76.49	58.15	69.49	71.62	71.79		72.84	75.58	73.43	74.31	75.69	79.19			126.5
80				78.87	68.25	67.44	67.98	70.49	71.24		71.83	74.79	73.54	74.18	74.88	78.79			125.6
100				78.99	69.52	66.87	68.19	70.35	71.61		73.99	77.58	77.29	77.39	78.25	79.59			127.7
125				69.69	67.97	66.57	67.68	69.46	73.47		71.88	74.15	73.76	74.46	75.84	77.84			125.6
160				66.96	66.92	66.29	66.39	68.13	69.64		72.11	73.33	73.12	72.91	74.28	75.29			124.8
200				68.79	68.97	65.59	66.83	69.57	71.24		68.80	72.94	74.12	73.16	73.11	73.32			123.6
250				65.65	66.59	65.52	65.47	64.37	64.63		65.74	67.31	67.56	67.71	69.59	78.69			119.8
315				78.18	71.61	70.29	69.68	67.26	67.68		69.37	78.62	72.59	71.81	73.07	74.21			123.5
400				73.33	73.89	73.97	73.56	70.63	71.98		73.29	74.51	75.02	75.22	76.82	76.71			127.2
500				72.54	73.87	72.54	72.26	73.75	74.43		75.66	76.66	77.18	77.49	78.34	76.89			128.7
630				71.68	72.46	71.28	71.69	73.39	74.13		74.52	76.18	77.45	77.27	77.82	75.79			128.1
800				74.38	78.35	76.49	74.58	72.58	72.41		72.73	74.25	74.83	74.99	74.69	74.47			128.8
1000				88.32	82.74	79.61	78.47	79.11	78.84		79.83	80.53	80.41	81.68	79.82	77.49			133.1
1250				88.25	81.61	80.82	80.18	80.42	78.24		77.44	81.42	82.87	80.78	79.11	78.73			133.7
1600				88.92	81.33	80.73	81.85	81.73	80.17		82.68	83.82	83.32	83.26	80.38	78.26			135.5
2000				88.94	80.92	79.75	80.42	80.74	78.29		82.57	82.98	82.54	81.99	79.71	77.46			134.9
2500				88.93	82.86	81.28	81.84	79.79	80.48		81.27	83.28	81.91	81.65	77.88	77.12			135.1
3150				86.12	86.73	85.29	86.61	85.24	83.46		84.49	89.73	87.42	87.25	82.98	82.43			142.4
4000				90.41	89.95	89.47	91.17	90.23	88.99		89.76	93.99	91.54	91.91	86.82	86.28			145.1
5000				82.86	81.45	81.54	82.31	83.41	82.74		87.58	86.22	85.85	83.14	82.51	79.22			138.7
6300				84.41	84.25	83.59	85.17	85.12	84.64		85.15	87.41	85.94	84.39	80.74	80.32			142.1
8000				84.87	84.39	83.96	86.88	86.83	83.12		88.88	88.61	89.66	87.58	84.35	82.47			143.9
10000				85.77	84.79	84.58	84.73	88.71	82.29		83.74	85.84	85.68	83.47	82.77	80.27			142.4
MEASURED OASPL				95.89	95.66	94.96	95.95	96.25	94.56		96.32	98.61	97.37	96.82	94.89	93.82			
CALCULATED OASPL				94.72	95.32	94.25	95.72	96.18	94.19		96.81	98.29	97.65	96.93	93.36	93.28			
PNDB				118.5	118.3	129.6	118.8	118.5	109.3		112.5	113.5	111.9	111.8	108.3	107.7			
																		OAPWL	157.8

AMBIENT TEMP. 32.8F
WET-BULB TEMP. 26.09
BAR. PRESSURE 28.99
ABS. HUMIDITY .2.312

FAA FAN/COMPRESSOR - PHASE 5B & 2C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=91 SPEED=9750

RADIAL DISTANCE 152

DATE: 2/34/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				1,091	-2,17	-4,53	-3,75	-1,33	-,952		-,221	3,588	-,787	,8321	2,872	6,515		
63				-1,93	3,383	-5,02	-3,61	-1,51	-1,32		-,472	2,475	,3251	1,199	2,589	6,791		
80				-2,11	-3,94	-4,75	-4,28	-1,69	-,942		-,552	2,612	1,359	1,998	3,899	6,622		
100				-3,23	-4,69	-7,35	-6,03	-3,87	-2,60		-,220	3,369	3,284	3,174	4,232	5,375		
125				-2,39	-4,11	-5,51	-4,40	-2,61	1,396		-,196	2,276	1,684	2,377	3,766	5,777		
160				-3,49	-3,5[illegible]	-4,36	-4,27	-2,32	-,817		,6534	2,872	2,667	2,459	3,629	4,645		
200				-,378	-1,21	-4,58	-4,14	-,611	1,062		-1,38	,7649	3,942	2,983	2,934	3,141		
250				-,386	,5597	-,522	-,565	-1,67	-1,40		-,300	1,268	1,520	1,676	3,511	4,662		
315				,4226	1,852	,5398	-,879	-2,52	-2,16		-,384	,8627	,8424	2,050	3,316	4,254		
400				,0101	,5698	,6474	,2344	-2,69	-1,35		-,726	1,183	1,701	1,696	3,498	3,384		
500				-2,23	-,921	-2,24	-1,51	-1,22	-,339		,8869	1,889	2,402	2,724	3,565	2,117		
630				-3,44	-1,66	-2,84	-2,43	-,728	,8049		,3901	2,057	3,325	3,146	2,903	1,678		
800				[illegible]	4,400	2,531	,6303	-1,30	-1,55		-1,22	,3005	,5720	1,040	,6961	,5117		
1000				[illegible]	1,797	,6678	-,478	,1632	-,102		,0819	1,587	1,468	2,73[illegible]	,8763	-1,45		
1250				[illegible]	2,181	1,395	,7517	,9943	-1,19		,0138	1,994	1,446	1,[illegible]	-,312	-,699		
1600				[illegible]	,2898	-,312	,0111	,6892	-,866		1,641	2,779	2,262	2,223	-,658	-2,99		
2000				,6728	,6285	-,517	,1484	,4633	-2,02		2,298	2,712	2,265	1,726	-,557	-2,81		
2500				,5918	2,517	,9432	,6971	-,553	,1443		,9265	2,944	1,567	1,311	-3,34	-3,22		
3152				,6871	1,309	-,122	1,189	-,174	,0457		-,928	4,313	1,605	1,629	-4,44	-2,98		
4000				,5731	,1074	-,366	1,334	,3868	-,843		-,975	4,153	1,697	2,275	-3,22	-3,55		
5000				-1,19	-1,82	-1,71	-,941	,1609	-,511		4,255	2,968	2,603	-,188	-,738	-4,23		
6300				,4139	,2551	-,412	1,167	1,126	,6407		1,154	3,411	1,939	,0643	-3,26	-3,65		
8000				1,588	-2,02	-,456	,4672	2,411	-3,23		2,260	2,198	3,341	1,159	-2,36	-3,95		
10000				1.689	,7226	,4269	,6563	4,631	-1,78		-,334	,9602	1,602	-,602	-1,31	-3,81		

AMBIENT TEMP. 32,02
WET-BULB TEMP. 26,49
BAR. PRESSURE 28,99
ABS. HUMIDITY 2,312

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/77 R/D 2/3/77-3

RUN=11 RDS=91 SPEED=5750

RADIAL DISTANCE 130

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	40.2	50.2	60.2	72.2	80.2	92.2	100.2	112.2	120.2	132.2	142.2	150.2	162.2	172.2	(PWL)
50				74,19	73,72	72,59	72,28	73,67	74,86		74,31	76,25	74,16	77,24	78,43	82,84			128,2
63				71,13	78,28	72,84	72,75	72,77	74,31		74,16	75,58	74,69	77,22	78,22	88,37			128,2
80				78,18	73,22	78,48	71,88	71,27	72,79		73,77	78,19	74,63	76,67	78,89	79,48			127,2
100				71,36	73,86	71,81	72,21	72,69	74,81		75,37	77,54	78,28	79,74	82,61	81,27			129,4
125				76,18	72,36	69,29	70,25	71,19	75,19		73,39	74,91	74,85	76,39	77,43	79,19			127,2
160				67,84	70,46	67,97	68,18	69,15	71,61		72,24	73,57	73,52	74,39	75,12	76,12			125,1
200				67,76	69,69	73,44	67,97	71,31	71,79		71,96	72,49	73,24	73,26	73,47	75,47			125,8
250				69,38	68,96	68,41	67,82	66,19	67,82		67,54	68,83	66,86	70,24	71,92	72,75			121,8
315				70,23	73,14	72,66	71,73	69,47	70,39		71,58	72,98	73,44	73,77	73,38	75,79			123,6
400				74,75	75,33	74,92	74,69	72,57	73,69		75,06	76,11	76,65	76,61	78,87	78,15			128,7
500				74,25	74,82	73,37	73,87	75,11	75,54		76,29	77,23	76,28	78,74	78,69	77,68			129,5
630				76,18	73,14	72,82	72,89	73,61	74,89		74,54	76,37	77,29	77,39	77,14	76,93			128,5
800				74,23	79,34	78,32	75,63	74,45	74,19		74,28	75,87	74,85	76,47	76,19	75,27			129,4
1000				82,38	81,90	80,32	78,86	79,37	79,71		80,37	81,65	81,65	82,21	82,29	78,81			134,1
1250				81,37	83,18	82,45	80,54	81,41	79,54		80,82	82,39	82,17	82,16	80,42	79,44			134,9
1600				82,62	83,86	83,46	81,89	82,62	81,12		83,16	84,83	84,52	84,85	81,18	79,45			136,5
2000				82,66	82,54	82,90	81,17	82,85	79,73		83,37	83,39	83,47	83,31	82,53	78,59			136,8
2500				82,63	84,92	83,34	81,76	81,12	81,93		82,21	83,74	82,98	82,11	77,82	78,42			136,2
3150				86,31	87,46	86,29	84,99	85,18	85,78		84,65	89,25	87,24	85,89	82,58	82,55			140,3
4000				91,62	91,92	92,26	93,14	93,04	89,98		93,69	95,91	94,33	91,39	88,51	87,62			147,2
5000				83,43	88,93	88,94	82,49	84,47	82,41		87,89	88,13	86,84	83,44	83,82	79,44			139,2
6300				89,17	88,59	88,11	85,39	86,88	86,81		86,94	87,72	87,24	84,27	82,22	81,49			141,1
8000				88,33	84,92	87,31	84,82	89,71	82,88		86,87	89,12	89,44	87,88	85,14	83,21			143,6
10000				86,84	85,76	85,18	84,15	88,22	83,68		84,52	85,15	87,41	84,68	84,25	81,58			142,9
MEASURED OASPL				97,18	97,14	97,11	96,99	97,58	95,78		97,98	99,67	98,89	97,34	95,42	95,22			
CALCULATED OASPL				94,62	94,62	94,67	94,59	97,45	95,49		97,45	99,22	98,56	96,74	94,78	94,14			
PNDB				111,6	111,8	111,9	112,1	112,4	118,3		112,9	114,8	113,9	111,9	129,6	128,9			
																	OASPL		151,8

C33

AMBIENT TEMP, 33,00
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,99
ABS, HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDQ=92 SPEED=6000

RADIAL DISTANCE 150

DATE: 2/24/79 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	22.2	32.2	42.2	52.0	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-,722	,8167	-2,31	-2,62	-1,23	-,942		-,586	1,354	-,742	2,339	3,529	5,947		
63				-3,68	3,471	-2,77	-2,66	-2,64	-,495		-,653	,7741	-,113	2,428	3,394	5,566		
80				-3,53	-,541	-3,88	-2,76	-2,49	-,963		,8285	1,441	,8722	2,917	4,329	5,727		
100				-4,52	-2,32	-4,87	-3,87	-3,19	-1,87		-,514	1,661	2,402	3,862	4,729	5,123		
125				-3,47	-1,28	-4,36	-3,39	-2,55	1,944		-,256	1,263	1,247	2,742	3,796	5,548		
160				-4,48	-1,85	-3,55	-3,33	-2,37	,8885		,7245	2,246	1,983	2,874	3,623	4,597		
200				-3,61	-1,49	2,878	-3,41	-,269	,4888		,5849	1,169	1,603	1,885	2,895	4,898		
250				-2,69	,8982	,3395	-,249	-1,88	-1,87		-,533	,7575	,7912	2,171	3,848	4,689		
315				-1,59	1,388	,8356	-,297	-2,36	-1,43		-,324	1,071	1,215	1,939	3,553	3,971		
400				-,853	,5394	,1216	-,185	-2,43	-1,13		,2624	1,327	1,851	1,829	3,268	3,357		
500				-1,37	-,882	-2,25	-1,75	-,528	-,256		,4784	1,612	2,461	3,117	3,809	2,763		
630				-,402	-1,36	-1,68	-2,41	-,895	,3939		,8324	1,862	2,786	2,882	2,639	2,427		
800				,9249	1,883	3,819	,3256	-,887	-1,11		-1,89	,5789	,7487	1,167	,8988	-,835		
1000				2,517	2,119	,4585	-1,88	-,487	-,146		,5854	1,798	1,793	2,349	,4272	-1,25		
1250				,7159	2,524	1,796	-,113	,9536	-1,12		,1499	1,735	1,519	1,583	-,249	-1,22		
1600				,9821	1,822	1,481	-,166	,5652	-,937		1,182	1,967	2,458	1,942	-,878	-2,61		
2000				1,234	1,122	,8739	-,259	,6368	-1,69		1,947	1,977	2,248	1,893	-,892	-2,83		
2500				1,159	3,851	1,869	,2877	-,349	,4599		,7428	2,272	1,913	,6382	-3,07	-3,26		
3150				,9362	2,884	,9186	,8165	-,195	,4828		-,746	3,871	1,863	,5159	-4,59	-2,82		
4000				-,298	-,389	,3571	1,228	1,129	-1,93		1,779	4,827	2,427	-,528	-3,48	-4,29		
5000				-,311	-1,19	-,796	-1,24	,7332	-1,33		4,152	2,394	2,984	-,383	-,715	-4,37		
6300				,1953	,5943	,1161	,3967	1,883	1,815		1,948	2,724	2,245	-,727	-2,77	-3,51		
8000				1,774	-2,84	,7914	,2588	3,156	-3,48		-,488	2,558	3,682	1,322	-1,42	-3,55		
10000				1,420	1,149	,5994	-,477	3,803	-,938		-,182	,5244	2,791	,8588	-,372	-3,24		

AMBIENT TEMP.	33,88
WET-BULB TEMP.	27,49
BAR. PRESSURE	28,89
ABS. HUMIDITY	2,478

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/79 R/D 2/3/79-3

RUN=11 RC8=92 SPEED=6030

RADIAL DISTANCE 152

DATE: 2/24/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.2	10.2	27.2	38.2	48.2	58.2	68.2	78.2	88.2	98.2	108.2	118.2	128.2	138.2	148.2	158.2	168.2	172.2	(PWL)
50				75.46	73.74	73.15	74.42	74.91	73.94		75.39	77.33	75.68	76.88	79.38	82.9-			129.1
63				71.98	77.39	72.55	74.25	73.89	73.62		74.94	76.89	76.23	77.17	79.56	82.37			129.8
80				69.86	71.83	71.54	72.83	72.69	72.72		74.48	76.35	76.82	76.79	78.97	81.63			128.2
100				71.81	72.94	72.12	75.11	74.27	74.73		75.77	78.18	80.31	78.97	81.39	82.11			132.2
125				70.93	71.47	70.87	72.79	72.33	74.68		74.85	76.52	76.24	76.88	78.78	81.22			128.3
160				68.43	69.21	69.49	70.19	70.29	71.24		73.18	74.58	74.53	74.48	75.99	77.61			125.9
200				67.83	71.46	69.86	68.93	68.93	69.29		70.83	73.53	73.46	72.91	74.84	76.92			124.5
250				63.33	65.54	65.68	65.75	63.99	63.78		68.25	70.33	72.44	70.86	72.86	75.24			122.1
315				71.12	73.37	73.18	72.37	70.81	70.75		72.59	74.13	74.98	75.87	77.38	78.78			127.1
400				74.93	76.14	75.35	75.31	72.87	74.42		75.93	77.74	78.46	78.35	79.93	80.63			132.8
500				75.15	76.42	74.79	75.26	75.68	76.23		77.21	78.79	79.66	80.24	79.88	79.12			130.8
630				74.49	74.68	73.25	73.59	74.49	75.38		75.76	77.34	78.84	78.19	77.27	77.66			129.3
800				76.94	78.24	78.34	76.29	74.82	75.21		75.53	77.89	79.48	77.79	77.94	77.94			130.3
1000				82.99	82.81	81.18	79.52	80.19	79.95		80.86	81.94	82.22	82.87	80.92	81.31			134.7
1250				82.87	82.93	82.95	81.25	82.26	80.17		81.42	82.87	82.68	82.86	80.68	81.33			135.5
1600				83.22	82.91	83.31	82.64	83.87	81.46		83.61	84.92	85.49	85.88	81.56	81.78			137.1
2000				83.35	82.74	82.75	82.46	82.32	80.89		84.18	84.53	84.78	84.56	80.84	80.57			136.9
2500				83.43	84.99	84.17	83.12	82.16	82.54		83.87	85.81	84.27	83.34	78.39	80.61			137.2
3150				86.91	87.16	86.70	87.16	85.77	86.38		84.54	89.24	87.79	87.13	86.48	83.92			140.9
4000				91.89	90.25	92.77	93.99	95.65	93.63		92.16	95.92	93.89	92.66	89.34	88.61			147.3
5000				83.99	82.52	84.82	83.78	85.19	82.75		88.18	86.91	87.34	85.24	83.39	81.53			139.9
6300				86.28	86.22	86.26	87.83	86.86	87.92		87.97	89.19	89.22	86.53	83.23	83.79			142.4
8000				88.79	84.44	87.82	87.19	98.98	83.72		87.88	89.42	89.91	89.67	86.11	84.76			144.5
10000				86.09	85.11	86.11	85.27	89.82	83.53		85.56	86.28	98.18	86.93	84.77	84.27			143.8
MEASURED OASPL				97.47	96.75	97.68	98.81	98.85	97.25		97.81	100.2	99.41	98.53	96.22	96.79			
CALCULATED OASPL				97.18	96.24	97.24	97.97	98.69	96.88		97.34	99.69	98.99	98.20	95.54	95.92			
PNDB				112.2	111.1	112.5	113.1	113.8	112.5		112.4	115.2	114.1	113.2	110.4	110.3			

CAPPL: 152.6

AMBIENT TEMP, 33.88
WET-BULB TEMP, 27.49
BAR, PRESSURE 28.99
ABS, HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 2E + 3C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=93 SPEED=6287

RADIAL DISTANCE 150

DATE: 2/24/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-,341	-2,86	-2,66	-1,38	-,894	-1,86		-,427	1,525	-,118	,281	3,579	7,112		
63				-3,69	1,722	-3,12	-1,43	-1,79	-2,85		-,732	1,223	,357	1,497	3,883	6,697		
80				-4,89	-3,72	-3,21	-1,82	-2,88	-2,84		-,873	1,599	1,273	2,838	4,218	6,861		
100				-4,92	-3,78	-4,67	-1,61	-2,66	-1,99		-,954	1,456	3,591	2,248	4,665	5,391		
125				-3,85	-3,32	-3,92	-1,99	-2,45	-,181		,8884	1,734	1,459	2,295	3,992	6,232		
160				-3,93	-3,19	-2,96	-2,17	-2,67	-1,12		,8169	2,223	2,164	2,122	3,541	5,449		
200				-3,85	-,5739	-1,82	-1,96	-1,95	-1,59		-,253	2,646	2,587	2,827	3,161	4,834		
250				-5,87	-2,84	-2,72	-2,69	-4,41	-4,62		-,149	1,925	2,938	2,455	4,459	6,842		
315				-2,19	,8541	-,135	-,941	-3,29	-2,96		-,719	,8422	1,669	2,554	4,271	5,471		
400				-1,23	-,222	-,818	-,859	-3,29	-1,75		-,235	1,591	2,292	2,181	,761	4,463		
500				-1,76	-,429	-2,13	-1,66	-1,23	-,685		,3832	1,879	2,743	3,327	2,969	2,212		
630				-,822	-,622	-2,84	-1,71	-,887	,2829		,4576	2,243	2,737	2,884	1,973	2,362		
800				,7497	3,849	2,152	,1882	-1,37	-,979		-,941	,9827	1,286	1,595	1,351	1,749		
1000				2,439	2,269	,8393	-1,83	-,368	-,888		,3168	1,398	1,472	2,256	,3773	,7617		
1250				,9185	1,774	,798	,8881	,8421	-,995		,2429	1,785	1,441	1,784	-,558	,1717		
1600				,9116	,2838	,6833	-,888	,2992	-1,38		-,188	2,216	2,798	2,377	-1,14	-,926		
2000				1,867	,4944	,4688	,1197	,2336	-2,19		1,892	2,241	2,495	2,273	-1,44	-1,71		
2500				1,818	2,175	1,751	,7847	-,259	,1189		,8556	2,597	1,652	,9248	-4,02	-1,81		
3150				,9799	1,233	,7744	1,215	-,155	,4528		-1,39	3,988	1,871	1,228	-5,45	-2,23		
4000				-,568	-2,21	,9124	1,938	2,989	1,179		-,299	3,462	1,432	,1972	-3,12	-3,85		
5000				-,469	-1,94	-,433	-,471	,7433	-1,71		3,724	2,492	2,885	,7829	-1,86	-2,93		
6300				-,142	-,122	-,885	,9084	,5138	1,172		1,629	2,758	2,674	,1845	-3,32	-2,55		
8000				1,526	-2,75	,9468	-,899	3,318	-3,54		-,253	2,167	2,654	2,429	-1,15	-2,49		
10000				,9271	-,359	,8423	-,199	3,555	-1,93		,8967	,8151	2,716	1,468	-,691	-2,19		

C91

AMBIENT TEMP. 31.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.47?

FAA FAN/COMPRESSOR - PHASE 3B + 5C T/D 1/30/78 R/D 2/3/78-3

RUN=11 RD#=93 SPEED=6287

RADIAL DISTANCE 150

DATE: 2/ 9/7[illegible] PAGE: 1

SOUND PRESSURE LEVELS RE: DEC AT STANDARD DAY

| FREQ. | ANGLES FROM LEFT | | |

RADIAL DISTANCE 150

DATE: 2/[illegible]/7[illegible]

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	[illegible]	[illegible]	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	(P L)
50				-1.59	-2.94	-3.71	-3.64	-2.42	-3.15		-1.34	.3931	-.266	2.229	4.588	8.175			
63				-3.32	1.224	-3.37	-3.35	-3.32	-3.72		-1.23	.1488	.4552	1.926	4.374	7.852			
80				-6.11	-4.92	-4.54	-4.44	-3.22	-2.66		-.748	.6299	1.159	2.648	4.954	7.851			
100				-6.79	-5.75	-6.96	-4.27	-.359	-.515		-1.25	-.257	.9118	4.136	4.528	6.564			
125				-5.22	-4.89	-5.54	-4.18	-2.22	-.282		-.522	.7919	1.754	3.192	4.412	6.659			
160				-4.99	-4.31	-4.54	-4.24	-3.25	-1.22		.3165	1.402	2.364	2.999	4.873	5.992			
200				-4.28	-2.65	-3.51	-3.32	-1.73	[illegible]		-.164	.9642	3.269	3.594	3.931	4.738			
250				-2.54	-.427	-.614	-1.78	-2.37	-2.55		-1.13	.9622	1.582	2.417	4.525	5.764			
315				-.951	1.289	.4625	-1.44	-3.86	-2.78		-.987	.9191	1.519	2.372	4.279	5.129			
400				-1.16	-.293	-.545	-1.94	-3.14	-1.97		.1562	1.654	2.327	2.426	4.195	3.832			
500				-1.59	-.593	-2.21	-2.29	-1.52	-.882		.2355	1.885	2.947	3.252	3.558	1.856			
630				-1.72	-1.26	-2.19	-2.14	-1.16	-.221		-.025	1.317	2.798	3.962	3.183	1.617			
800				.9562	3.289	1.927	.2561	-1.27	-.534		-.622	1.391	1.175	1.324	1.537	.2677			
1000				1.922	2.786	.8549	-.827	-.327	-.691		-.288	1.319	1.454	3.116	.5294	-.967			
1250				.5534	1.486	1.372	.1413	1.245	-.687		.3321	1.942	1.322	1.688	.2512	-.681			
1600				-.467	-.616	.2121	-.415	.2212	-1.37		1.382	2.628	3.028	3.297	-.937	-2.79			
2000				.2859	-.212	-.138	-.188	.5095	-2.21		2.241	2.636	2.913	2.238	-1.28	-3.19			
2500				.2839	1.354	1.418	.3611	.0614	.1642		.7383	3.211	2.134	1.479	-3.81	-3.29			
3150				.1242	.7372	.4166	.9077	-.214	.3747		-1.82	3.981	2.428	1.722	-5.27	-3.22			
4000				-1.57	-4.13	.7987	2.489	2.299	-.649		1.382	3.411	2.718	-.365	-3.19	-5.41			
5000				-.964	-2.68	-.524	-.376	1.249	-2.29		3.725	2.685	3.766	.3851	-.625	-4.84			
6300				-1.42	-1.11	-.872	-.716	.8848	1.475		2.417	2.929	3.238	-.551	-3.72	-4.22			
8000				1.429	-2.09	.2771	-.839	3.351	-2.73		.5067	2.562	2.411	1.932	-.842	-4.29			
10000				.4262	-1.26	-.134	-.534	3.926	-2.33		-.231	2.143	2.529	1.499	-.267	-3.87			

AMBIENT TEMP. 33.2[illegible]
WET-BULB TEMP. 27.45
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.67

FAA FAN/COMPRESSOR - PHASE 5[illegible] + 5C T/D 1/30/72 R/D 2/3/72-3

RPM=11 RPS=94 SPEF =645[illegible]

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RADIAL DISTANCE 150

DATE: 2/14/73 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 8.8	18.8	28.8	38.2	48.2	58.2	68.2	78.2	88.2	98.8	108.2	118.2	128.2	138.8	148.8	158.2	168.2	178.2	(PWL)
50				74,27	72,99	72,81	73,86	74,29	74,85		75,35	76,42	75,61	77,58	81,31	85,36			129,8
63				72,45	77,37	73,92	74,44	74,51	74,81		75,47	76,71	77,27	78,25	81,43	85,41			132,4
80				69,39	70,89	71,19	71,89	73,14	73,79		75,88	74,19	74,29	77,93	81,39	84,46			129,8
100				73,08	74,81	71,97	76,14	77,23	78,21		77,85	79,22	81,17	82,85	84,16	85,69			132,6
125				71,88	72,19	69,96	73,17	74,29	74,85		74,19	77,33	79,69	80,52	82,29	83,62			130,6
160				68,14	69,49	69,24	69,26	70,57	72,17		74,84	75,83	75,58	76,54	78,96	82,61			127,5
200				67,41	68,41	67,84	68,12	68,18	68,67		71,67	72,12	73,27	74,24	76,69	78,32			125,3
250				68,76	70,88	70,66	69,26	67,89	67,95		69,49	70,82	71,94	72,62	75,18	77,89			124,4
315				74,36	74,81	75	74,56	72,84	72,48		74,25	74,12	77,99	77,93	79,86	78,89			129,4
400				77,59	77,81	77,18	76,17	75,11	74,27		77,92	80,67	79,87	82,36	81,69	80,76			131,7
500				77,48	76,91	75,97	75,79	77,24	77,47		79,24	82,97	81,23	81,59	81,94	82,14			132,3
630				75,37	75,69	75,97	75,41	75,17	76,12		78,13	79,29	79,74	80,45	80,35	79,69			131,2
800				78,87	81,88	78,73	77,78	76,21	74,88		77,11	78,41	78,81	78,97	78,48	78,49			131,7
1000				83,97	82,19	80,92	79,69	80,75	80,93		81,55	82,92	82,33	83,29	81,38	80,33			135,1
1250				83,55	83,18	82,98	81,68	82,66	81,11		82,36	83,88	83,55	83,37	81,63	81,14			136,1
1600				83,92	82,88	82,45	82,47	82,98	82,86		84,49	85,44	85,96	84,91	81,97	80,77			137,3
2000				83,72	82,86	81,56	82,83	82,81	80,67		84,56	84,86	85,14	84,46	81,89	79,51			136,9
2500				83,69	84,89	83,81	82,85	82,16	83,17		83,31	85,17	84,28	83,39	78,63	79,66			137,1
3150				87,15	86,82	85,19	84,36	85,51	84,74		84,69	89,62	87,89	86,82	80,58	83,47			140,7
4000				92,46	89,85	91,92	92,39	94,39	93,15		94,82	95,83	94,52	92,22	89,13	88,19			147,6
5000				88,75	83,24	84,48	84,73	86,83	84,59		89,83	87,99	88,14	85,58	84,89	81,64			144,9
6300				86,83	85,98	85,38	86,32	86,82	89,32		88,61	89,91	89,62	86,21	83,25	83,36			142,8
8000				98,84	86,84	87,85	86,79	91,48	87,36		89,27	96,82	92,85	87,99	86,84	84,49			145,8
10000				87,33	84,99	84,89	84,92	89,52	84,73		86,37	88,21	89,13	87,33	85,98	83,31			144,4
MEASURED OASPL				98,14	96,59	96,95	97,18	98,73	97,86		98,97	100,4	99,93	98,96	97,25	97,72			
CALCULATED OASPL				97,95	96,14	96,56	96,81	98,78	97,54		98,61	100,1	99,68	98,81	96,55	96,58			
PNDB				112,8	110,7	111,9	112,2	113,7	112,8		113,8	115,5	114,8	113,8	110,8	110,3			
																		OAPWL:	152,9

AMBIENT TEMP. 33.88
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.478

FAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/30/73 R/D 2/3/73-3

RUN=11 ROS=95 SPEED=6000

RADIAL DISTANCE 152

DATE: 2/24/78 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.	12.2	22.8	32.2	42.2	52.8	62.8	72.2	82.8	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-2,47	-3,95	-4,54	-3,48	-2,25	-2,49		-1,19	-,123	,739	1,234	4,769	8,812		
63				-4,56	,3435	-3,11	-2,58	-2,51	-3,21		-1,55	-,329	,727	1,229	4,412	8,384		
80				-6,68	-5,17	-4,88	-4,87	-2,91	-2,32		-,994	,1172	,2258	1,659	7,316	8,372		
100				-5,32	-4,36	-7,61	-3,82	-2,15	-,966		-1,32	,2438	1,995	3,674	4,982	6,518		
125				-5,19	-4,89	-7,12	-3,98	-2,79	-,423		-,886	,2493	2,022	3,446	5,219	6,524		
160				-5,73	-4,38	-4,63	-4,62	-3,31	-1,71		,1638	1,159	1,727	2,663	5,784	6,729		
200				-4,21	-3,22	-3,76	-3,49	-3,44	-1,95		,2548	,5641	1,657	2,623	5,274	6,726		
250				-1,89	,1936	,8188	-1,39	-2,76	-2,69		-1,15	,1642	,8856	1,958	4,448	6,445		
315				,7547	3,186	-,269	-1,88	-2,98	-2,16		-1,37	,4937	2,365	2,326	3,439	3,469		
400				-,252	-,827	-,663	-1,67	-2,73	-1,97		,2783	2,234	2,834	2,516	3,848	2,919		
500				-1,22	-1,51	-2,45	-2,63	-1,38	-,947		,6435	2,482	2,629	3,175	3,539	1,724		
630				-1,81	-1,89	-1,62	-1,77	-2,21	-1,86		,9418	2,128	2,554	3,264	3,165	2,524		
800				1,423	3,399	2,879	,8788	-1,44	-,699		-,539	,9634	1,363	1,319	,7724	1,838		
1000				2,693	1,387	,8425	-1,19	-,128	-,353		,8961	2,838	1,453	2,412	,4976	-,548		
1250				1,748	1,388	,7795	-,195	,8573	-,642		,5453	2,881	1,747	1,588	-,173	-,663		
1600				1,825	-,213	-,441	-,419	,8865	-,834		1,597	2,548	3,885	2,323	-,926	-2,12		
2000				1,481	-,264	-,768	-,292	,2893	-1,62		2,219	2,538	2,818	2,139	-1,21	-2,82		
2500				1,387	1,715	,8281	,4674	-,217	,7804		,9283	2,795	1,982	1,211	-3,75	-2,72		
3150				1,449	1,127	-,288	,6676	-,188	1,843		-,799	3,985	2,122	1,125	-5,12	-2,23		
4000				,1696	-3,23	-,368	,1185	2,899	,8659		1,733	3,543	2,228	-,271	-3,16	-4,29		
5000				,2993	-2,28	-1,84	-,713	1,188	-,831		3,582	2,545	2,699	,1347	-,823	-3,87		
6300				,8748	-,772	-1,38	-,437	,8687	2,565		1,855	3,153	2,862	-,748	-3,51	-3,37		
8000				2,937	-1,76	-,952	-1,28	3,478	-,941		1,249	2,823	2,849	-,884	-1,16	-3,52		
10000				1,256	-1,28	-1,17	-1,14	3,448	-1,34		,3328	1,941	3,262	1,266	-,166	-2,76		

C95

AMBIENT TEMP. 33.88
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.99
ABS. HUMIDITY 2.478

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/78 R/D 2/3/78-3

RUN=11 RDO=95 SPEED=6685

RADIAL DISTANCE 154

DATE: 2/24/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 8.2	18.2	28.2	38.2	48.2	58.2	68.2	78.2	88.2	98.2	108.2	118.2	128.2	138.2	148.2	158.2	168.2	178.2	(PWL)
50			75.36	73.35	73.17	73.42	74.41	74.14		74.75	74.99	74.47	78.61	81.14	85.37				132.2
63			75.87	77.77	73.79	74.44	73.09	74.14		77.12	77.58	77.56	79.74	82.33	86.69				131.1
80			71.28	71.77	72.27	72.48	73.13	74.39		76.94	78.48	78.42	82.01	82.32	85.28				132.7
100			72.59	73.17	72.24	73.97	75.62	76.88		77.95	79.27	82.23	81.81	83.62	85.97				132.1
125			73.39	72.12	71.69	74.86	78.44	79.46		78.33	78.71	81.25	82.85	83.22	84.24				132.4
160			69.98	70.89	70.34	72.63	71.53	73.54		75.47	76.88	77.32	78.21	79.61	81.24				128.7
200			67.95	69.23	68.97	68.71	69.33	71.19		72.69	73.58	74.41	75.34	76.29	78.35				125.6
250			68.21	78.78	78.84	69.69	78.13	68.88		72.69	71.69	72.45	73.67	75.47	76.62				124.9
315			75.98	77.32	74.48	75.52	72.44	72.89		75.18	76.93	77.79	79.67	81.23	81.44				132.2
400			77.15	78.52	77.26	76.99	76.11	76.94		78.88	80.78	81.52	82.53	84.28	83.69				133.2
500			77.84	78.47	77.44	77.54	78.34	79.34		82.92	82.29	82.99	83.69	84.25	82.73				134.1
630			74.39	76.92	73.28	76.65	78.89	78.25		79.78	80.19	81.29	82.29	81.37	79.52				132.4
800			77.22	79.18	78.75	78.19	76.46	77.84		77.49	79.23	79.11	79.61	78.62	77.88				131.6
1000			82.29	82.37	82.80	82.72	81.89	82.88		82.72	83.23	83.12	84.55	83.22	81.64				135.9
1250			81.78	82.76	82.38	82.53	83.26	81.49		82.56	83.47	82.86	83.44	82.17	81.54				136.1
1600			82.39	82.38	82.95	83.89	84.49	82.88		85.06	85.75	86.51	86.28	82.56	81.21				137.9
2000			81.92	81.74	81.82	82.56	83.67	88.99		84.75	85.15	85.33	85.25	81.17	79.56				137.2
2500			81.92	83.81	83.42	82.94	83.26	83.83		83.88	85.56	84.51	84.85	78.92	79.66				137.4
3152			85.37	86.85	86.23	86.88	86.87	87.74		85.86	90.34	88.23	87.29	82.97	83.59				141.2
4002			98.98	88.32	92.77	93.23	96.03	94.82		97.19	97.37	96.15	92.33	92.53	87.31				149.1
5002			87.25	85.13	88.74	89.35	92.12	92.44		94.84	92.92	92.44	89.17	88.22	83.82				145.5
6300			84.98	85.69	85.76	87.14	88.98	89.87		88.43	90.46	88.94	86.38	83.28	82.95				143.8
8000			87.68	84.23	87.72	87.83	92.79	89.16		90.45	91.77	92.27	92.43	87.34	84.28				146.2
10000			85.83	85.51	86.27	86.44	91.83	87.58		88.59	88.98	90.29	89.05	87.48	83.73				145.9
MEASURED OASPL			96.83	96.44	97.84	98.24	100.6	99.38		101.2	101.9	101.2	99.61	98.36	98.24				
CALCULATED OASPL			96.59	96.87	97.56	97.99	100.7	99.28		101.2	101.6	101.9	99.24	97.74	96.98				
PNDB			111.5	110.4	112.7	113.1	115.5	114.4		116.3	116.9	116.1	113.9	112.1	111.2				
																		OAPWL	154.3

AMBIENT TEMP, 33.02
WET-BULB TEMP, 27.49
BAR, PRESSURE 28.99
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 58 & 59 T/D 1/30/77 R/D 2/3/77-3

RUN=11 RDG=96 SPEED=6588

RADIAL DISTANCE 150

DATE: 2/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-4,82	-3,53	-3,74	-3,85	-2,27	-2,74	-,129	,1169	-,424	1,735	4,202	8,453			
63				-1,91	-,724	-4,22	-3,79	-3,89	-3,65	-,672	-,238	-,225	1,948	4,542	8,305			
80				-5,99	-5,49	-4,99	-4,88	-4,13	-2,87	-,319	,8128	1,151	2,748	5,693	7,814			
100				-5,99	-5,43	-6,55	-4,62	-2,97	-1,92	-,542	,6789	1,439	3,219	5,232	7,373			
125				-5,45	-6,74	-6,96	-3,99	-,428	,6296	-,518	-,141	2,248	1,999	4,367	5,41			
160				-5,29	-4,18	-4,74	-4,45	-3,55	-1,54	,3924	1,822	2,237	3,129	4,554	5,963			
200				-3,97	-2,72	-2,95	-3,21	-2,89	-,734	,7683	1,661	2,449	3,415	4,178	4,128			
250				-2,97	-,473	-,331	-1,28	-1,24	-2,29	-,475	,4318	1,276	2,429	4,294	5,451			
315				-,413	,9272	-1,92	-,877	-3,75	-3,49	-1,21	,5374	1,429	3,284	4,641	5,269			
400				-2,19	-,814	-2,87	-2,35	-3,22	-2,39	-,455	1,445	2,132	3,221	4,751	4,559			
500				-3,17	-1,74	-2,77	-2,67	-1,67	-,876	,7121	1,983	2,778	3,473	3,839	2,582			
630				-4,27	-1,92	-3,15	-1,79	-,337	-,183	1,345	1,766	2,663	3,662	2,933	1,292			
800				-,321	1,682	1,256	,6417	-,936	-,581	-,251	1,489	1,563	2,849	2,279	,3345			
1000				,5351	,6099	,3232	-1,84	,1322	,3191	,9563	1,469	1,396	2,789	1,448	-,119			
1250				-,126	,9522	,5663	,7183	1,446	-,312	,7493	1,839	1,245	1,631	,3584	-,274			
1600				-1,24	-1,05	-,882	-,339	1,255	-,549	1,634	2,317	3,283	2,586	-,836	-2,22			
2000				-,645	-,823	-,763	-,286	1,171	-1,27	2,199	2,589	2,762	2,469	-1,39	-3,23			
2500				-,774	1,114	,7237	,2456	,5505	1,133	1,183	2,964	1,813	1,356	-3,78	-3,24			
3150				-,914	,5647	-,856	,5988	,5883	1,479	-,421	4,252	1,948	,9997	-5,31	-2,69			
4000				-2,79	-5,46	-1,21	-,547	2,257	1,236	3,426	3,991	2,366	-1,45	-3,26	-6,47			
5000				-2,94	-4,13	-1,25	-,941	2,131	,4986	4,242	2,931	2,444	-,828	-1,77	-6,18			
6300				-1,96	-1,25	-1,17	,2856	1,967	2,135	1,491	3,518	2,866	-,558	-3,66	-3,99			
8000				-1,47	-2,91	-1,42	-1,31	3,644	,8169	1,384	2,823	2,927	1,289	-1,82	-4,86			
10000				-1,71	-2,88	-1,32	-1,15	4,245	-,784	1,808	1,393	2,587	1,459	-,113	-3,86			

AMBIENT TEMP.	33,22
WET-BULB TEMP.	27,49
BAR. PRESSURE	28,89
ABS. HUMIDITY	2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RD3=96 SPEED=6900

RADIAL DISTANCE 152

DATE: 2/24/72

SOUND PRESSURE LEVELS REDUCED AT STATION DAY

ANGLES FROM INLET

FREQ,	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				75.72	73.24	73.61	73.58	74.48	74.72		76.34	77.89	77.93	82.16	82.91	87.34			131.5
63				76.51	77.68	76.98	75.88	75.26	75.22		77.28	78.76	78.01	82.91	83.45	87.53			132.3
82				71.49	73.22	73.33	73.79	74.12	75.14		77.39	79.27	79.44	82.94	83.59	86.74			131.9
102				73.24	74.14	72.35	74.86	75.99	77.89		78.61	82.17	82.91	82.57	84.93	87.49			133.1
125				78.18	75.34	73.23	76.62	77.91	81.96		79.13	79.22	83.16	82.24	83.56	86.61			133.6
162				72.53	71.54	71.19	71.73	72.77	74.26		76.29	77.45	78.33	79.24	81.14	83.39			129.9
202				68.33	69.71	69.45	69.83	69.28	71.49		72.76	74.25	75.39	76.29	77.43	78.34			126.5
250				71.19	73.87	72.69	71.17	70.31	70.24		71.63	74.39	73.83	75.76	77.34	77.65			126.6
315				77.29	78.33	76.23	76.25	74.29	75.22		77.25	78.85	79.15	79.89	82.22	81.78			131.3
400				79.55	79.78	78.17	78.41	77.66	78.95		82.73	82.87	83.12	83.69	85.21	84.75			134.6
500				77.94	77.98	78.35	78.12	80.27	82.15		81.79	82.99	84.12	84.55	85.24	84.28			135.1
630				76.32	77.78	76.61	77.95	79.76	79.46		82.21	81.95	82.54	83.33	82.56	81.33			133.8
800				80.24	82.49	80.99	80.89	79.81	79.94		79.31	81.39	81.22	81.49	81.63	80.13			133.9
1000				82.26	81.72	81.51	81.16	82.46	82.24		83.14	84.13	84.14	85.36	83.45	82.28			136.4
1250				82.88	84.16	83.25	82.38	83.53	81.79		83.79	84.22	83.78	84.89	82.77	82.28			136.8
1600				82.74	82.81	82.34	82.91	84.29	83.94		85.72	85.88	86.61	86.22	83.82	81.62			138.8
2000				82.83	81.49	81.18	81.85	82.95	80.74		85.34	85.23	85.37	84.18	81.32	79.79			137.8
2500				82.48	83.51	82.38	82.22	82.55	83.35		84.19	85.87	84.21	83.84	78.88	79.53			137.1
3150				86.32	86.97	85.42	86.39	86.25	82.29		86.69	92.13	87.88	84.96	82.95	81.44			141.8
4000				89.72	87.27	90.56	94.18	95.11	92.42		95.44	95.46	92.54	89.93	87.29	86.49			147.4
5000				91.45	89.15	93.53	98.84	98.32	95.47		98.56	97.32	94.23	91.49	90.37	88.39			149.5
6300				86.56	87.31	86.82	86.88	88.05	88.54		89.44	90.84	88.88	85.87	83.41	83.15			143.2
8000				88.81	85.39	84.74	87.84	91.79	87.91		90.33	90.84	90.73	87.83	85.78	83.44			14 .2
10000				87.66	87.59	87.45	88.89	93.38	90.43		90.92	89.67	90.88	89.49	87.76	84.63			147.3
MEASURED OASPL				98.26	97.43	98.55	101.3	102.6	100.3		102.7	102.6	102.9	99.69	98.88	99.46			
CALCULATED OASPL				97.69	96.96	98.12	100.9	99.84	100.8		102.2	102.1	102.5	99.89	98.82	98.24			
PNDB				111.9	112.9	112.8	115.7	114.3	114.6		116.9	116.7	114.8	113.1	111.7	110.8			

OAPWL: 154.9

AMBIENT TEMP, 33.00
WET-BULB TEMP, 27.49
BAR, PRESSURE 28.99
ABS, HUMIDITY .2.478

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=97 SPEED=7100

DATE: 2/24/77

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 4.2	12.2	22.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2 (PWL)
50				-2,48	-4,95	-5,58	-4,61	-3,71	-3,49	-1,86	-,386	-,264	1,971	4,717	9,163			
63				-2,43	-1,26	-4,96	-3,86	-3,68	-3,91	-1,86	,171	-,323	1,979	4,514	8,898			
80				-6,95	-5,43	-5,11	-4,65	-4,33	-3,31	-1,86	,6846	,9943	2,493	5,169	8,315			
100				-6,59	-5,49	-7,29	-4,78	-3,65	-2,54	-1,83	,5322	1,260	2,933	5,293	7,859			
125				-1,87	-4,71	-7,82	-3,45	-2,14	1,908	-,923	-,834	3,212	1,969	3,512	6,553			
160				-5,80	-4,79	-5,14	-4,68	-3,56	-2,87	-,239	1,114	1,999	2,965	4,806	7,867			
200				-4,56	-3,18	-3,45	-3,86	-3,41	-1,48	-,136	1,355	2,492	3,321	4,538	5,445			
250				-1,71	,9811	-,289	-1,72	-2,58	-2,65	-1,26	1,986	,9367	2,874	4,449	4,959			
315				-,287	,8277	-1,47	-1,45	-3,41	-2,48	-,453	1,344	1,649	2,385	4,716	4,279			
400				-1,24	-1,88	-2,62	-2,38	-3,13	-1,82	-,855	2,883	2,334	2,989	4,422	3,969			
500				-3,23	-3,21	-2,84	-3,86	-1,11	-1,24	,6262	1,814	2,938	3,365	4,253	2,899			
630				-3,44	-1,98	-3,15	-1,81	-,883	-,298	,4478	2,188	2,782	3,972	2,795	1,562			
800				,2256	2,471	1,188	,2789	-,889	-,277	-,284	1,972	1,484	1,676	1,814	,3123			
1000				-,116	-,458	-,698	-1,82	,2818	,9559	,9686	1,945	1,963	3,176	1,267	-,899			
1250				,3972	1,676	,5715	-,898	1,848	-,689	1,386	1,743	1,381	1,615	,2927	-,482			
1600				-,842	-,776	-1,24	-,673	,7189	-,545	2,136	2,293	3,026	2,432	-,588	-1,98			
2000				-,383	-,928	-1,31	-,561	,5345	-1,48	2,929	2,637	2,999	1,765	-1,11	-2,63			
2500				,1371	1,159	-,845	-,129	,2836	1,095	1,843	2,725	1,865	1,494	-3,49	-2,82			
3150				,2413	,8918	-,663	,3128	,1692	1,167	,6883	4,847	1,799	,8746	-5,15	-2,64			
4000				-2,34	-4,79	-1,51	2,119	3,891	,3605	3,377	3,397	,4769	-2,14	-4,81	-5,37			
5000				-2,86	-4,85	-,448	4,839	-25,9	1,662	4,558	3,316	,2289	-2,51	-3,84	-8,61			
6300				-,917	,2296	-1,86	-,197	,9783	1,482	2,362	3,765	1,882	-1,21	-3,66	-3,93			
8000				-,127	-8,54	-1,39	-1,89	3,693	-,226	2,194	2,782	2,591	-,384	-2,56	-4,49			
10000				-1,37	-1,43	-1,58	-,938	4,359	1,399	1,891	,6392	1,777	,4645	-1,27	-4,39			

AMBIENT TEMP.	38.88
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.89
ABS. HUMIDITY	2.478

FAA FAN/COMPRESSOR - PHASE 3B + 3C T/D 1/30/78 R/D 2/3 78-3

RUN=11 RD3=97 SPEED=7180

RADIAL DISTANCE 100

PAGE: 1

DATE: 2/24/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 8.2	18.2	28.8	38.2	48.8	58.2	68.8	78.2	88.8	98.8	108.8	118.8	128.2	138.2	148.8	158.8	168.2	178.8	(PWL)
50				75,58	73,78	72,69	72,98	74,56	74,68		76,84	78,75	78,26	82,45	83,78	88,15			132,1
63				74,28	78,13	74,66	75,14	77,31	75,25		77,89	79,43	79,87	81,82	84,54	88,58			133,0
80				75,67	73,35	73,66	73,87	74,88	75,83		78,85	79,61	80,19	81,72	84,62	87,75			132,7
100				73,74	74,84	73,66	75,87	76,37	77,59		79,42	81,83	81,99	83,41	85,85	88,54			134,1
125				88,81	76,52	76,27	77,88	79,72	82,14		79,84	82,49	87,58	87,26	86,77	89,69			136,6
160				71,83	73,31	72,49	72,54	73,65	75,38		77,35	78,76	79,71	80,45	82,38	84,19			131,1
200				68,98	71,43	71,82	71,12	71,29	73,19		74,28	75,48	77,13	77,14	78,48	79,28			127,8
250				69,45	72,43	71,27	71,41	71,26	78,14		71,39	73,68	74,19	75,54	78,14	78,95			126,7
315				79,41	77,88	75,13	75,87	72,84	73,61		74,99	78,28	79,35	88,55	82,83	82,64			131,2
400				78,43	79,37	78,54	78,17	76,95	78,91		82,13	82,87	84,88	84,21	86,31	85,84			135,2
500				79,44	79,42	78,88	79,27	80,61	80,32		82,57	83,98	85,13	85,53	86,25	85,43			136,6
630				76,32	78,51	77,69	81,68	81,41	88,25		81,42	82,51	83,61	85,33	83,91	82,11			135,2
800				74,37	79,16	78,87	78,44	79,93	90,87		81,18	88,49	82,75	82,78	82,71	86,54			134,1
1000				81,39	82,11	82,82	81,31	82,81	82,54		83,23	84,16	84,43	85,38	84,94	83,12			136,7
1250				81,49	83,18	83,28	82,47	85,79	86,32		83,54	84,82	83,36	85,77	83,44	82,58			137,9
1600				82,28	81,63	81,95	83,34	83,89	82,38		85,34	85,68	86,28	85,34	83,18	81,38			137,6
2000				88,39	88,44	88,46	81,88	82,66	88,14		84,58	84,71	84,37	82,92	88,95	79,38			136,2
2500				81,03	82,39	81,72	81,36	81,85	83,81		83,19	84,38	83,25	82,59	78,32	78,96			136,3
3150				85,38	86,73	85,35	86,11	86,37	87,31		85,52	88,42	87,17	85,96	88,71	83,28			140,6
4000				88,81	86,38	90,24	92,99	94,44	89,38		92,47	93,78	98,99	88,67	87,71	84,92			145,8
5000				94,52	91,65	97,47	99,98	88,45	94,74		94,96	97,19	94,92	93,22	94,68	88,53			149,2
6300				87,13	87,48	86,39	87,15	88,94	88,62		88,41	99,37	88,72	85,16	83,90	83,18			143,1
8000				87,98	84,77	87,23	86,89	91,75	86,66		89,82	98,52	89,67	86,35	84,86	83,21			144,8
10000				88,15	87,76	89,21	89,99	93,98	89,96		89,75	89,94	89,98	89,81	87,41	85,12			147,5
MEASURED OASPL				98,52	97,56	100,2	102,7	104,3	99,48		101,1	101,9	101,7	100,2	100,4	102,3			
CALCULATED OASPL				98,41	97,19	100,0	97,65	99,93	99,26		100,8	101,7	100,5	99,73	99,55	99,22			
P.DB				113,2	111,8	115,1	112,5	114,2	113,9		115,7	116,5	115,1	115,8	114,0	111,7			
																		OAPWL:	154,6

C100

AMBIENT TEMP, 33,28
WET-BULB TEMP, 27,49
BAR, PRESSURE 28,99
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 3B + 5C T/D 1/30/78 R/D 2/3/78-3

RUN=11 RDS=98 SPEED=7302

PARTIAL DISTANCE 15c

DATE: 2/14/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
52				-3.21	-5.21	-6.11	-5.81	-4.23	-3.91	-1.95	-.242	-.512	1.665	4.988	9.364			
63				-5.46	-1.54	-5.01	-4.53	-4.66	-4.41	-1.77	-.184	.2245	2.149	4.879	8.912			
82				-7.59	-5.91	-5.59	-5.39	-4.48	-3.43	-1.21	.3585	.8424	2.458	5.399	8.497			
100				-6.87	-5.77	-6.95	-5.54	-4.24	-3.23	-1.19	.4174	1.321	2.793	5.233	8.221			
125				-8.26	-6.55	-9.42	-5.99	-3.35	-.929	-4.23	-.576	4.529	4.187	3.741	6.624			
160				-5.64	-4.17	-4.98	-4.94	-3.83	-2.17	-.132	1.281	2.235	2.971	4.923	6.712			
200				-4.22	-2.73	-3.17	-3.26	-2.86	-.995	.8962	1.293	2.921	2.962	4.219	5.295			
250				-3.96	-.578	-1.73	-1.59	-1.75	-2.87	-1.42	.6686	1.182	2.932	5.134	5.939			
315				-2.83	-.356	-2.31	-2.37	-4.59	-3.83	-.454	.8376	1.912	3.112	5.389	5.195			
400				-2.91	-1.96	-2.79	-3.16	-4.39	-2.43	.7982	1.466	2.508	2.074	4.974	4.521			
500				-2.69	-2.72	-3.25	-2.86	-1.51	-1.81	.4123	1.853	3.242	3.424	4.128	3.324			
630				-4.85	-2.66	-3.48	.5894	.7356	-.923	.2456	1.343	2.442	4.164	2.736	.9436			
800				-3.62	-.885	-1.11	-1.94	-.488	-.119	1.198	.5877	3.772	2.798	2.724	.3621			
1000				-1.12	-.428	.3241	-1.28	.2929	.8238	.7129	1.649	1.915	2.866	2.224	.6278			
1250				-2.27	-.386	-.284	-1.89	2.182	2.751	-.229	2.255	-.221	2.203	.8744	-.983			
1600				-.911	-1.56	-1.24	.1482	.6984	-.816	2.145	2.469	2.928	2.151	-.213	-1.81			
2000				-1.24	-1.19	-1.17	-.828	1.825	-1.49	2.878	3.279	2.732	1.288	-.688	-2.25			
2500				-.489	.8776	.2847	-.152	.3322	1.490	1.677	2.869	1.737	1.884	-3.19	-2.55			
3150				-.325	1.189	-.274	.4882	.7454	1.688	-.181	3.977	1.543	.3296	-4.01	-2.54			
4000				-1.59	-4.13	-.259	2.493	3.933	-1.28	1.972	3.276	.4947	-1.89	-2.79	-5.58			
5000				.9899	-1.89	3.924	-23.6	-24.9	1.198	3.418	3.555	1.377	-.322	1.854	-5.21			
6300				.1466	.5824	-.587	.1727	1.959	1.642	1.432	3.388	1.735	-1.82	-3.88	-3.80			
8000				.4514	-2.76	-.781	-.633	4.217	-.866	1.495	2.988	2.137	-1.18	-2.67	-4.32			
10000				-.987	-1.39	.8627	.8460	4.824	.8134	.6224	.7892	.8763	-.143	-1.74	-4.23			

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.89
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RPS=95 SPEED=7388

RADIAL DISTANCE 150

DATE: 2/24/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50					77.42	75.66	74.32	75.44	76.52	76.54		78.35	82.15	82.13	82.52	85.68	92.39		134.1
63					77.42	82.56	78.53	79.82	78.99	78.28		82.88	81.88	82.21	84.09	87.19	91.41		135.8
80					74.27	78.39	75.26	75.88	74.32	77.21		79.91	81.37	82.13	83.98	86.82	90.22		134.8
100					75.32	76.17	74.28	75.89	77.36	78.39		80.83	82.42	83.13	84.81	87.77	90.83		135.7
125					80.29	83.38	82.67	81.64	79.14	82.54		88.12	85.35	87.35	86.28	86.42	92.97		138.4
160					73.03	73.87	73.26	72.99	74.22	75.56		77.68	79.25	82.42	81.35	83.46	85.59		131.9
200					71.18	71.52	71.25	72.29	72.88	71.73		73.23	75.16	76.69	77.83	79.29	79.75		127.9
250					73.18	75.48	74.99	73.72	72.43	73.65		75.11	76.21	77.27	78.59	79.36	80.27		129.8
315					76.61	78.29	77.14	77.41	76.26	77.69		79.62	81.24	81.54	82.68	84.79	84.75		133.9
400					80.14	81.14	79.87	80.79	81.58	82.21		82.55	86.19	85.81	87.62	87.47	87.98		137.5
500					78.96	82.27	78.94	79.79	81.22	81.23		82.62	84.64	84.28	87.26	88.41	87.73		137.2
630					77.17	76.45	76.41	76.68	78.25	79.49		82.42	83.56	86.51	84.63	85.42	83.25		135.3
800					77.14	80.74	79.59	79.46	79.80	83.28		81.84	84.25	84.43	83.97	83.84	81.76		135.5
1000					79.92	79.35	80.06	80.52	83.18	82.83		83.42	84.83	85.54	86.27	84.89	84.57		130.9
1250					83.58	83.81	83.44	83.89	84.58	85.46		84.53	85.67	86.65	85.89	85.89	83.23		138.8
1600					80.23	80.81	81.42	81.84	82.21	81.98		84.32	84.91	85.65	84.84	83.64	81.69		136.8
2000					78.21	78.22	78.64	79.93	81.13	79.26		83.62	83.87	83.63	82.17	80.61	79.22		135.3
2500					79.71	80.98	80.49	81.37	82.83	83.04		82.19	83.36	82.29	81.11	78.66	78.89		135.7
3150					85.32	85.89	83.99	86.96	87.19	87.27		84.39	87.79	86.66	84.94	82.48	82.37		139.9
4000					86.26	85.84	86.86	88.74	90.88	87.79		91.65	91.72	89.51	86.97	85.42	83.89		143.4
5000					93.77	91.87	93.53	95.96	102.7	93.78		99.42	96.72	94.91	92.92	93.38	89.23		150.9
6300					88.57	87.81	86.33	87.14	80.18	87.46		87.93	89.54	87.69	85.24	83.45	83.14		142.6
8000					87.89	83.81	85.85	85.29	90.12	85.41		87.71	89.36	88.21	84.75	82.79	81.39		143.1
10000					80.75	88.26	89.19	92.89	94.53	93.51		98.43	92.82	92.52	89.56	87.84	85.77		149.1
MEASURED OASPL					98.37	97.93	98.83	99.48	102.9	99.16		102.4	101.8	101.5	102.4	102.8	101.8		
CALCULATED OASPL					98.19	97.21	97.75	99.34	103.2	99.37		102.2	101.5	100.9	99.61	99.91	102.5		
PNCB					112.8	111.7	112.8	114.3	117.8	113.9		117.1	116.2	115.2	113.7	113.6	111.6		
																		OAPWL:	155.3

C102

AMBIENT TEMP. 33.20
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY .2.422

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/32/77 R/D 2/3/77-3

RUN=11 RDG=99 SPEED=7922

DATE: 2/14/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-3.37	-5.13	-5.87	-5.35	-4.27	-4.24	-2.43	-.643	-.603	1.714	4.891	9.596			
63				-5.23	-1.89	-3.93	-2.84	-3.46	-4.17	-1.57	-.567	-.439	1.646	4.748	8.956			
80				-7.28	-5.94	-6.89	-5.46	-5.23	-4.14	-1.44	.8218	.7863	2.629	5.474	8.855			
100				-6.92	-6.24	-7.93	-6.42	-4.84	-4.12	-1.37	.1994	.9282	2.624	5.561	8.62:			
125				-4.56	-1.46	-4.18	-3.28	-5.71	-4.31	3.261	.5275	3.162	1.236	3.561	6.:22			
160				-4.92	-4.55	-5.29	-5.33	-4.33	-2.79	-.671	.9227	2.274	3.224	5.114	7.245			
200				-3.85	-2.93	-2.97	-3.94	-4.15	-2.49	-.497	.9274	2.469	3.682	5.296	5.923			
250				-4.14	.1612	-.318	-1.61	-2.88	-1.07	-.281	.6959	1.757	3.276	4.241	4.589			
315				-3.13	-1.46	-2.59	-2.33	-3.49	-2.85	-.138	1.522	1.798	2.933	3.944	5.823			
400				-3.51	-2.51	-3.78	-2.86	-2.07	-1.64	-1.29	2.544	2.159	4.177	3.819	4.333			
500				-4.27	-2.96	-4.29	-3.43	-2.22	-2.27	-.624	1.417	2.856	3.833	4.782	4.545			
630				-4.19	-4.85	-4.89	-4.62	-3.25	-1.81	-.677	2.263	5.211	3.327	4.128	1.949			
800				-4.31	-.718	-1.87	-1.99	-1.65	1.748	.1815	2.794	2.979	2.512	2.285	.3815			
1000				-2.75	-3.32	-2.61	-2.15	.5122	-.641	.7549	2.159	2.869	3.625	2.134	1.922			
1250				-4.15	-.771	-1.84	-.787	1.525	.7832	1.847	.9981	3.975	.3423	.4128	-1.65			
1600				-2.14	-2.36	-.949	-1.33	-.359	-.478	1.949	2.944	3.280	2.475	1.266	-.573			
2000				-1.69	-2.48	-1.87	-.775	.4292	-1.45	2.911	3.168	2.926	1.459	-.298	-1.49			
2500				-1.28	-.813	-.497	.3747	1.837	2.644	1.199	2.369	1.363	.1171	-2.93	-2.29			
3150				.4132	.1185	-.974	1.996	2.226	2.181	-.578	2.829	1.292	-.223	-4.48	-2.59			
4000				-.872	-3.89	-1.27	.6981	2.667	-.347	2.911	3.588	1.373	-1.17	-2.72	-4.25			
5000				-1.66	-3.55	-1.89	.5421	5.389	-1.72	3.997	1.280	-.518	-2.51	-2.12	-6.39			
6300				2.055	1.293	-.194	.6225	1.659	.9392	1.266	3.823	1.172	-1.28	-3.07	-3.37			
8000				1.792	-3.89	-1.89	-.811	4.224	-.694	1.629	3.259	1.912	-1.35	-3.31	-4.71			
10000				-2.22	-2.49	-1.56	-.697	3.777	2.764	1.682	2.867	1.771	-1.19	-2.91	-4.98			

C103

AMBIENT TEMP. 33.82
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/31/72 R/D 2/3/72-3

RUN=11 RDS=99 SPEED=7527

RADIAL DISTANCE 152

DATE: 2/25/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.2	20.2	30.2	40.2	50.0	60.0	70.0	80.2	90.2	100.0	110.2	120.0	130.2	140.0	150.2	160.0	170.2	(PWL)
52				80.19	82.42	80.37	80.23	81.20	80.52		82.22	83.72	82.66	83.85	87.45	92.21			136.6
63				79.39	81.96	80.87	81.23	81.85	81.22		82.94	84.33	84.07	85.29	88.27	92.72			137.4
80				77.51	79.79	79.43	79.89	80.54	80.59		82.98	83.97	84.75	85.67	88.61	93.17			137.2
100				77.97	80.20	79.85	79.73	80.54	81.88		82.91	84.78	85.63	86.71	89.48	92.55			137.8
125				85.97	88.47	88.43	88.59	89.91	84.99		89.17	91.11	88.33	91.26	89.15	91.34			141.2
160				76.19	78.04	77.82	76.56	77.83	78.61		82.82	82.44	82.98	83.78	85.71	87.61			134.6
200				72.51	75.22	75.82	74.25	75.25	75.76		78.99	78.81	79.41	80.89	82.82	82.61			130.9
250				73.53	77.56	77.43	77.84	75.96	75.33		76.71	78.92	78.72	80.59	82.49	82.94			131.5
315				77.84	80.88	78.66	79.88	77.71	78.24		80.28	81.92	82.89	84.29	86.46	85.64			134.8
400				80.83	81.52	80.92	81.92	81.67	81.83		83.99	85.75	86.82	87.18	89.29	89.07			138.1
500				79.47	81.17	82.48	82.76	83.36	83.79		84.54	86.38	88.41	88.52	89.42	88.28			138.7
630				78.63	80.76	79.87	81.32	82.14	82.39		82.18	84.79	86.95	86.22	86.79	85.31			137.1
800				80.16	80.29	80.99	81.87	82.97	82.93		83.91	87.22	89.79	89.13	89.44	85.13			137.9
1000				79.48	81.34	81.53	82.23	84.28	84.12		84.76	85.46	85.97	86.98	86.42	84.88			137.9
1250				81.36	84.88	86.74	86.93	91.27	88.69		87.30	87.39	86.23	86.66	85.95	84.86			140.9
1600				88.82	82.14	85.74	88.69	91.35	88.97		89.15	87.49	86.83	86.56	85.72	83.41			141.4
2000				88.96	81.33	84.64	88.89	98.38	87.53		88.59	85.87	86.44	84.89	83.79	81.42			140.4
2500				79.59	82.45	84.47	86.17	86.93	87.25		84.13	84.19	83.58	81.44	79.84	79.83			138.4
3150				84.81	86.55	87.99	92.81	98.14	89.89		84.79	87.42	86.27	84.84	81.61	83.42			141.7
4000				87.57	85.59	88.42	89.55	98.87	88.55		89.97	91.17	89.62	87.12	84.92	84.84			143.4
5000				93.74	92.61	95.29	95.33	97.97	98.96		98.55	96.39	97.17	93.93	93.32	89.73			150.3
6300				88.28	88.89	88.39	88.31	89.38	88.71		88.51	89.22	88.11	85.25	83.98	83.74			143.3
8000				88.62	84.98	87.61	88.83	91.96	87.49		89.59	89.92	89.44	88.84	84.79	84.87			144.8
10000				89.19	89.83	92.69	91.79	95.53	93.86		93.77	93.72	93.41	90.33	88.92	87.11			150.8
MEASURED OASPL				98.94	99.28	100.8	101.3	103.9	100.8		103.1	102.9	102.8	101.9	102.3	101.2			
CALCULATED OASPL				98.58	98.59	102.2	100.9	103.2	100.3		102.5	102.3	102.2	100.9	101.1	101.8			
PNDB				113.1	112.9	114.9	115.4	117.9	113.7		117.4	116.6	116.8	114.7	114.3	112.7			
																		OAPWL:	156.2

AMBIENT TEMP. 33.02
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 2B & 2C T/D 1/32/72 R/D 2/3/72-3

RUN=11 RDG=162 SPEED=7710

RADIAL DISTANCE 15?

DATE: 2/25/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				-3.15	-2.92	-2.94	-3.12	-2.13	-2.11		-1.11	.3949	-.671	.5221	4.122	8.879			
63				-4.69	-2.13	-3.22	-2.86	-2.24	-2.87		-1.15	.2358	-.718	1.283	4.178	8.628			
80				-4.24	-3.94	-4.12	-3.85	-3.22	-3.24		-1.24	.2188	.8977	1.923	4.856	8.417			
100				-6.36	-4.33	-5.28	-4.57	-3.79	-3.25		-1.43	.4429	1.298	2.373	5.145	8.218			
125				-1.71	.7943	.7582	-2.29	-3.76	-2.69		1.491	3.434	.8523	3.583	1.476	3.665			
160				-4.82	-2.97	-3.19	-4.45	-3.18	-2.42		-.387	-.428	1.872	2.777	4.694	6.599			
200				-4.83	-2.12	-2.32	-3.29	-2.89	-1.58		-.354	-.468	2.267	2.747	4.681	5.268			
250				-4.28	-.239	-.364	-.757	-2.23	-2.47		-1.29	1.123	.9296	2.888	4.784	5.141			
315				-3.16	-.999	-2.34	-1.92	-3.29	-2.78		-.725	.9172	1.883	3.293	5.458	4.636			
400				-4.19	-2.59	-3.32	-2.32	-2.55	-2.39		-.228	1.529	2.594	2.882	5.273	4.779			
500				-5.31	-3.61	-4.29	-4.22	-1.42	-.986		-.233	1.928	3.239	3.745	4.646	3.322			
630				-4.42	-2.29	-3.18	-1.74	-.989	-.659		-.872	1.736	3.893	3.169	3.738	2.253			
800				-3.81	-2.92	-2.17	-2.89	-.191	-.231		.7482	4.	78	2.632	1.969	2.478	-.839		
1000				-4.22	-2.36	-2.17	-1.47	.5085	.4143		1.355	1.797	2.269	3.283	2.717	1.177			
1250				-5.28	-1.66	.1783	.3684	4.507	2.129		.8282	.8331	-.336	.8898	-.616	-1.71			
1600				-6.89	-4.78	-1.18	1.779	4.431	2.051		2.232	.5758	-.984	-.359	-1.19	-3.51			
2000				-5.76	-4.48	-1.18	2.279	4.967	1.713		2.785	.8579	.2348	-1.73	-2.81	-4.39			
2500				-4.84	-1.19	.8324	2.534	3.294	3.689		.4956	.5511	-.859	-2.19	-3.79	-3.81			
3150				-1.89	-.159	1.247	3.327	3.435	3.185		-1.92	.7171	-.439	-1.87	-5.12	-3.31			
4000				-.557	-2.54	.2884	1.425	2.742	.4246		1.839	3.249	1.491	-1.83	-3.21	-4.89			
5000				-1.87	-2.19	.4892	.5397	3.173	-.84		3.749	1.593	2.365	-.869	-1.48	-8.87			
6300				1.896	.9897	.9118	1.127	2.293	1.526		1.333	2.822	.9242	-1.93	-3.19	-3.44			
8000				.8797	-2.84	-.128	.2898	4.217	-.246		1.846	2.173	1.694	-1.89	-2.96	-3.67			
10000				-2.55	-2.69	-.874	.2618	3.925	2.128		2.744	1.988	1.683	-1.39	-2.81	-4.62			

AMBIENT TEMP.	33.22
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDS=192 SPEED=7767

RADIAL DISTANCE 15?

DATE: ?/??/??

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(DALI
52				-3.15	-2.92	-2.84	-3.12	-2.13	-2.81		-1.11	.3249	1.47?	.9221	4.122	8.879			
63				-4.69	-2.13	-3.22	-2.86	-2.24	-2.87		-1.15	.2358	-.?14	1.223	4.178	8.628			
80				-6.24	-3.94	-4.12	-3.85	-3.22	-3.24		-1.24	.2158	.8977	1.923	4.856	8.417			
100				-6.36	-4.33	-5.28	-4.97	-3.79	-3.25		-1.43	.4429	1.298	2.373	5.145	8.218			
125				-1.71	.7943	.7988	-7.29	-3.76	-2.99		-1.49	3.434	.6523	3.583	1.476	3.465			
160				-4.82	-2.97	-3.19	-4.45	-3.18	-2.42		-.187	1.428	1.872	2.77?	4.694	6.599			
200				-4.83	-2.12	-2.32	-3.29	-2.29	-1.58		-.354	1.468	2.267	2.747	4.681	5.268			
250				-4.26	-.239	-.364	-.797	-2.23	-2.47		-1.29	1.123	.9296	2.828	4.784	5.141			
319				-3.16	-.999	-2.34	-1.92	-3.29	-2.76		-.725	.9172	1.833	3.293	5.458	4.436			
400				-4.19	-2.59	-3.32	-2.32	-2.55	-2.39		-.228	1.529	2.594	2.882	5.873	4.779			
500				-5.31	-3.61	-4.29	-4.22	-1.42	-.986		-.233	1.428	3.239	3.745	4.646	3.3?2			
630				-4.42	-2.29	-3.18	-1.74	-.989	-.659		-.872	1.736	3.893	3.169	3.738	2.253			
800				-3.21	-2.92	-2.17	-2.89	-.191	-.281		.7482	4.853	2.632	1.969	2.478	-.839			
1000				-4.22	-2.34	-2.17	-1.47	.5885	.4143		1.255	1.757	2.269	3.283	2.717	1.177			
1252				-5.28	-1.69	.1783	.3684	4.527	2.129		.8282	.8331	-.336	.2898	-.616	-1.71			
1600				-6.89	-4.75	-1.18	1.779	4.431	2.851		2.232	.5758	-.984	-.359	-1.19	-3.52			
2000				-5.76	-4.49	-1.18	2.229	4.567	1.713		2.785	.4575	.2548	-1.73	-2.81	-4.39			
2500				-4.84	-1.19	.8324	2.534	3.294	3.689		.4956	.5511	-.859	-2.19	-3.79	-3.81			
3152				-1.85	-.159	1.247	3.327	3.425	3.185		-1.92	.7171	-.439	-1.87	-5.12	-3.31			
4000				-.557	-2.54	.2884	1.425	2.742	.4246		1.839	3.249	1.491	-1.83	-3.21	-4.49			
5000				-1.67	-2.19	.4892	.5387	3.173	-3.84		3.749	1.593	2.365	-.869	-1.48	-5.27			
6300				1.896	.9892	.9118	1.127	2.283	1.526		1.333	2.822	.9242	-1.93	-3.19	-3.44			
8000				.8597	-2.84	-.128	.2898	4.217	-.266		1.846	2.173	1.494	-1.89	-2.96	-3.67			
10000				-2.55	-2.69	-.874	.2618	3.925	2.128		2.944	1.988	1.643	-1.39	-2.81	-4.62			

AMBIENT TEMP.	33.22
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 5B & 5C T/D 1/30/?? R/D 2/3/??-3

RUN=11 ADB=188 SPEED=??8?

RADIAL DISTANCE 152

DATE: 2/15/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.0	12.2	22.3	32.2	42.2	52.2	62.2	72.3	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				-4.48	-5.77	-5.76	-5.27	-4.47	-4.58		-2.96	-1.24	-1.11	1.036	5.276	9.787			
63				-7.55	-4.49	-6.21	-5.57	-4.28	-4.27		-2.29	-.469	-.313	1.825	5.225	9.527			
80				-7.96	-6.38	-6.71	-6.17	-4.29	-3.95		-1.99	-.283	.6717	2.481	5.541	8.918			
100				-7.59	-6.24	-7.66	-6.16	-4.73	-3.93		-1.78	.8920	1.936	2.945	5.588	8.498			
125				-1.34	1.371	-.871	-4.39	.6518	-1.35		-.869	2.764	1.324	2.813	1.541	4.359			
160				-4.48	-2.89	-4.34	-5.42	-2.76	-2.67		-1.22	1.122	2.793	3.304	4.485	6.955			
200				-4.39	-3.53	-3.52	-3.55	-3.51	-2.53		-.686	.8587	2.416	3.879	4.819	5.626			
250				-4.41	-.875	-1.56	-3.26	-3.13	-2.85		-.872	1.198	2.891	3.894	4.734	4.432			
315				-4.14	-2.35	-3.53	-3.34	-4.27	-2.14		.8644	1.755	2.602	3.969	5.356	3.772			
400				-4.88	-3.74	-3.68	-3.39	-2.99	-1.65		.4382	1.911	3.123	3.348	4.783	3.715			
500				-5.46	-4.24	-4.79	-2.81	-2.16	-1.33		-.135	1.553	3.128	4.329	4.378	3.128			
630				-3.71	-4.34	-3.52	-2.56	-1.78	-1.67		-1.18	1.221	3.137	4.977	3.954	3.194			
800				-3.41	.8887	1.256	-.451	1.729	1.491		-.184	1.978	1.949	1.994	.9542	-1.42			
1000				-4.71	-3.69	-.974	-1.18	.5386	.7484		.7315	1.786	2.118	3.688	2.487	.8285			
1250				-6.79	-1.94	1.833	2.234	5.875	2.684		-1.47	-1.29	-2.43	-1.63	-1.92	-4.42			
1600				-5.39	-3.77	-1.30	1.366	3.265	2.855		1.841	.9996	1.334	.8743	-.339	-2.69			
2000				-4.36	-2.98	-.366	4.183	3.535	.1761		1.747	.4244	.2281	-.725	-1.23	-3.34			
2500				-3.27	-.191	1.146	3.419	3.123	2.974		.3471	.7786	-.988	-1.67	-2.95	-4.29			
3150				-1.31	1.839	1.833	3.426	2.812	2.732		-2.71	1.232	-.592	-1.56	-4.97	-2.98			
4000				-.174	-1.28	.7615	2.113	2.325	.2432		1.737	2.786	1.271	-1.42	-2.71	-3.79			
5000				-1.25	-1.52	-.968	-.698	1.644	-1.25		4.288	2.137	3.113	-1.59	-.632	-4.73			
6300				.8717	1.837	.4424	1.128	2.342	1.345		1.274	2.887	1.222	-1.17	-2.27	-3.28			
8000				.7295	-2.39	-.383	-.285	4.148	-.635		1.987	2.335	1.729	-1.39	-2.68	-3.85			
10000				-2.54	-2.75	-2.11	-.482	3.596	-.641		2.289	3.892	2.269	-.358	-1.89	-4.35			

AMBIENT TEMP.	33.22
WET-BULB TEMP.	27.49
BAR. PRESSURE	28.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/78 R/D 2/3/78-3

RUN=11 RD=181 SPEED=7989

RADIAL DISTANCE 150

DATE: 2/25/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	74.2	88.2	98.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50				79.29	78.44	76.96	77.99	77.54	79.59		81.71	83.34	83.45	85.58	89.58	94.72			
63				76.81	79.74	78.55	79.27	79.54	80.81		82.41	84.27	85.14	87.26	92.61	95.37			137.8
80				78.51	78.87	78.31	78.84	80.88	80.71		83.25	85.82	86.91	87.77	91.39	94.85			138.9
100				78.29	79.79	77.75	79.79	81.28	81.83		84.41	86.28	87.38	89.24	92.32	95.39			139.9
125				88.27	91.54	89.92	88.67	92.44	91.11		87.99	87.75	89.82	88.19	91.49	95.34			143.8
160				82.27	83.19	81.71	84.64	82.56	83.57		82.76	83.75	85.79	85.99	88.73	91.17			137.8
200				73.31	75.42	74.68	73.48	75.81	77.81		78.79	78.89	81.51	82.48	84.58	85.37			132.8
250				75.79	79.28	79.32	76.23	75.71	76.17		78.38	80.13	79.99	81.45	84.35	84.37			132.8
315				80.41	82.12	82.46	82.54	79.19	80.37		82.83	84.41	85.55	86.44	88.99	88.25			137.2
400				82.79	84.29	82.37	82.95	83.19	84.85		86.74	88.34	89.18	89.59	91.68	92.46			140.3
500				81.53	82.31	81.32	82.94	84.55	85.29		86.79	88.54	90.29	90.83	91.27	89.71			140.4
630				82.57	82.46	82.29	82.84	82.73	83.44		83.78	85.43	87.19	86.34	87.86	86.47			138.2
800				83.88	88.71	87.41	87.77	85.78	84.21		84.37	85.79	85.83	87.97	88.43	86.32			139.8
1000				81.79	83.25	84.32	85.13	86.61	86.23		86.81	87.91	88.64	88.88	88.17	86.56			140.1
1250				84.76	89.14	91.52	95.49	94.29	94.47		98.89	98.47	89.51	88.24	89.57	87.29			145.7
1600				88.97	82.27	84.79	88.29	96.68	88.25		88.01	87.15	87.28	86.97	86.28	84.41			140.8
2000				82.17	82.94	85.17	89.38	89.79	86.46		87.35	87.39	86.38	86.67	85.69	82.69			140.5
2500				88.22	82.67	83.83	85.19	85.39	85.69		84.49	84.82	83.99	82.29	81.14	82.73			137.9
3150				85.24	87.71	88.37	89.73	90.19	89.19		86.15	88.17	86.29	85.89	82.48	84.39			141.5
4000				87.95	86.92	88.21	89.85	89.71	87.74		89.83	90.62	89.45	86.22	85.19	84.34			142.9
5000				90.74	91.71	90.94	91.38	94.21	92.81		94.82	94.52	94.35	90.51	91.43	87.42			148.1
6300				87.28	87.89	84.69	87.65	88.97	88.73		87.62	89.13	88.33	85.57	84.77	83.69			142.9
8000				88.55	85.37	87.23	88.45	92.64	87.85		89.79	90.90	89.71	86.39	85.49	88.52			144.2
10000				87.82	87.21	87.44	88.85	94.34	89.26		92.54	93.20	91.92	89.23	87.43	85.5			148.3
MEASURED DASPL				96.76	102.4	100.3	101.9	103.3	101.9		102.6	102.8	103.4	102.5	104.1	105.7			
CALCULATED DASPL				98.33	99.63	97.47	101.3	102.9	101.3		101.9	102.1	102.5	101.3	102.7	104.7			
P.SD				112.1	113.2	113.7	114.8	115.9	114.6		116.5	116.7	116.8	113.8	114.4	112.7			

DASPL1 156.8

AMBIENT TEMP. 33.8°
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 3B & 5C T/D 1/32/73 R/D 2/3/73-3

RUN=11 HD=122 SPEED=8100

RADIAL DISTANCE 150

DATE: 2/15/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PWL)
50				-5.25	-6.29	-7.57	-6.54	-4.99	-4.94	-2.82	-1.19	-1.19	1.242	5.243	12.19			
63				-8.59	-5.67	-6.86	-6.13	-5.67	-5.39	-2.99	-1.14	-.258	1.655	5.211	9.971			
80				-9.87	-6.71	-7.26	-6.73	-5.57	-4.87	-2.33	-.552	.3334	2.195	5.813	9.271			
100				-8.17	-6.67	-8.77	-6.67	-5.38	-4.64	-2.25	-.376	.9174	2.584	5.868	8.886			
125				-1.23	2.232	.4175	-.838	.9358	1.626	-1.52	-1.76	.2952	1.32	2.382	5.839			
160				-3.89	-.981	-2.45	-3.52	-1.61	-.596	-1.39	-.413	1.635	1.828	4.567	7.714			
200				-5.82	-2.73	-4.65	-5.66	-4.12	-2.12	-.347	.7623	2.38	3.347	5.422	6.239			
250				-3.29	.2838	.2482	-2.84	-3.16	-2.98	-.691	1.136	.9161	2.371	5.276	5.299			
315				-2.76	-1.25	-2.92	-2.84	-4.19	-3.81	-.539	1.234	2.172	3.862	5.578	4.879			
400				-3.69	-2.38	-4.11	-3.53	-3.29	-1.63	.2665	1.862	2.697	3.129	5.121	3.998			
500				-5.17	-4.42	-5.39	-4.74	-2.16	-1.41	.2913	1.828	3.305	4.125	4.539	3.223			
630				-1.61	-3.71	-1.87	-2.13	-1.44	-.737	-.394	1.259	3.214	4.171	3.688	2.385			
800				-1.84	2.992	1.891	2.858	.8594	-1.91	-1.35	.8323	-.282	2.269	2.714	.6263			
1000				-4.14	-2.67	-1.91	-.794	.6984	.3853	.8923	1.988	2.716	2.955	2.245	.6344			
1250				-6.59	-2.21	.1858	4.131	4.743	3.111	-.469	-1.89	-1.85	-3.11	-1.79	-4.26			
1600				-8.35	-4.25	-1.53	1.969	3.363	1.926	1.692	.8294	.9633	.6543	-.237	-1.91			
2000				-3.78	-3.81	-.773	3.491	3.849	.5119	1.399	1.142	.4795	-1.28	-.454	-3.26			
2500				-2.93	-.484	-.122	2.847	2.238	2.548	1.344	1.672	.8492	-.897	-2.21	-2.41			
3150				-1.38	1.142	1.497	3.161	2.619	2.584	-2.42	1.534	-.272	-1.48	-4.09	-2.17			
4000				.3294	-.786	.5866	1.427	2.287	.1133	1.488	2.977	1.822	-1.42	-2.43	-3.24			
5000				-1.88	-.912	-1.89	-1.33	1.578	-.712	3.974	1.877	3.727	-2.11	-1.19	-5.21			
6300				.4342	1.837	-.153	.8236	2.122	1.882	.7789	2.285	1.482	-1.26	-2.88	-3.16			
8000				.4192	-2.56	-.982	.3257	4.211	-1.88	1.664	2.776	1.587	-1.74	-2.63	-4.61			
10000				-2.17	-2.78	-2.54	-1.14	4.349	-.724	2.551	3.218	1.915	-.754	-2.56	-4.48			

AMBIENT TEMP. 33.82
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/C 1/32/77 R/C 2/3/77-3

RUN=11 RDG=102 SPEED=8107

RADIAL DISTANCE 150

PAGE: 1

DATE: 2/25/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	22.5	30.0	40.0	52.5	62.5	72.5	82.0	92.5	102.0	112.5	122.5	132.0	142.5	152.5	162.5	172.5 (PNL)
50				80.03	78.24	78.41	78.91	82.14	87.32		82.20	84.21	86.27	86.71	91.28	95.93		138.9
63				77.98	79.92	79.11	79.96	79.96	84.76		83.64	85.16	85.52	88.22	92.27	97.65		142.1
80				78.12	78.81	78.55	79.42	80.36	81.39		84.17	85.99	86.56	88.39	92.32	95.92		138.9
100				78.83	80.11	78.37	82.59	81.77	82.63		84.75	86.82	87.33	89.36	93.43	96.39		142.8
125				86.39	87.91	85.37	87.85	86.24	88.45		88.19	88.58	88.95	89.37	92.47	95.32		141.8
160				83.18	84.78	82.44	84.67	83.15	85.47		85.45	86.21	85.46	87.29	89.44	91.83		139.2
200				78.21	75.84	75.36	74.77	76.36	77.88		79.81	80.18	81.82	82.76	84.98	88.97		133.3
250				77.23	79.89	79.37	77.56	77.16	76.56		79.81	80.72	81.91	83.22	85.85	85.13		133.9
315				81.23	82.41	81.91	81.73	80.36	81.44		83.92	85.94	87.48	88.28	90.82	89.13		138.5
400				88.23	89.31	85.27	84.21	84.12	84.94		88.36	90.95	90.73	91.46	93.28	92.37		142.8
500				82.62	83.42	84.28	84.72	86.51	85.47		88.24	89.28	91.14	91.98	92.65	90.99		141.9
630				88.61	85.08	84.13	83.18	84.49	84.79		85.52	85.81	87.67	88.91	89.43	87.86		139.3
800				86.74	90.57	92.49	94.12	92.25	88.82		89.18	91.99	88.54	88.46	90.54	86.94		144.8
1000				84.42	84.04	85.11	87.52	88.88	88.29		87.17	88.49	89.17	89.83	89.34	87.33		141.3
1250				86.19	89.18	92.28	93.89	95.64	93.13		91.15	89.86	90.29	88.74	89.53	87.41		145.1
1600				83.76	84.19	88.51	90.36	92.36	89.79		89.45	87.79	89.83	88.17	87.79	85.61		142.6
2000				83.29	83.45	86.85	88.37	88.27	86.11		88.86	87.20	86.92	85.44	86.80	83.22		142.4
2500				88.78	83.25	85.18	85.93	86.24	86.38		85.44	85.63	84.89	83.37	82.26	81.23		138.8
3150				86.84	87.24	88.24	88.73	88.14	88.79		84.56	88.19	87.15	85.91	82.99	84.33		141.4
4000				88.32	86.53	89.22	89.35	90.03	88.89		89.58	90.79	89.53	86.57	85.67	84.27		143.3
5000				89.74	90.46	90.34	89.92	94.38	92.93		94.87	95.53	93.95	89.96	90.26	88.64	85.87	148.1
6300				87.46	87.86	87.44	87.75	89.72	89.49		89.46	90.25	89.99	86.67	85.85	84.17		143.9
8000				87.81	84.32	87.29	87.62	92.56	87.21		89.63	91.25	89.94	86.39	85.54	82.98		145.1
10000				87.02	85.84	87.29	88.29	94.48	89.18		92.23	93.48	92.59	89.11	87.29	84.73		148.3
MEASURED OASPL				99.14	100.3	101.4	102.3	103.7	102.2		103.3	103.7	103.8	123.4	105.2	106.6		
CALCULATED OASPL				98.50	99.39	100.8	101.5	103.2	101.4		102.6	103.2	102.9	102.1	103.7	104.9		
PNDB				112.1	112.8	113.5	113.9	116.3	114.9		117.1	116.9	116.9	114.2	114.6	112.7		
																	OAPWL:	156.5

C110

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.95
ABS. HUMIDITY .2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/72 B/D 2/3/72-3

RUN=11 RDG=123 SPEED=8367

RADIAL DISTANCE 152

DATE: 2/25/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ,	ANGLES FROM INLET 2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(P.L)
52				-5.63	-7.42	-7.24	-6.76	-5.52	-5.34		-3.37	-1.45	-1.59	1.249	5.421	12.27			
63				-8.75	-6.82	-7.62	-6.77	-6.76	-5.97		-3.28	-1.56	-1.27	1.321	5.332	12.33			
80				-8.37	-7.67	-7.93	-6.86	-6.71	-5.88		-2.32	-.4853	.2892	1.922	5.849	9.451			
100				-8.48	-7.27	-8.95	-6.73	-5.61	-4.69		-2.56	-.499	.5125	2.272	6.117	9.283			
125				-1.92	-.4264	-2.95	-.427	-2.27	.1365		-.117	.2371	-1.36	1.259	4.153	7.224			
160				-2.23	-.715	-2.98	-.749	-2.27	.2524		.0377	.5935	.2429	1.678	4.222	6.429			
200				-4.61	-3.76	-4.24	-4.86	-3.26	-1.77		-.615	.5571	2.222	3.141	5.322	6.347			
250				-2.96	-.302	-.827	-2.64	-3.86	-3.83		-1.19	.5285	1.712	3.808	5.654	4.929			
315				-3.77	-2.35	-2.88	-3.83	-4.42	-3.32		-.837	1.178	2.248	3.521	6.261	4.373			
400				-4.97	-2.89	-2.93	-4.18	-4.28	-3.26		.1029	2.759	2.533	3.265	5.285	4.173			
500				-5.36	-4.96	-3.91	-3.26	-2.47	-1.31		.2559	1.295	3.159	4.221	4.665	3.225			
630				-4.72	-.247	-1.19	-2.15	-.936	-.532		.1976	.4841	2.341	3.588	4.099	2.934			
800				-3.17	.6398	2.978	4.212	2.339	-1.89		-.781	1.689	-1.38	-1.45	.8313	-1.97			
1000				-2.69	-3.87	-2.21	.2111	1.765	1.188		.0572	1.388	2.756	2.714	2.225	.2224			
1250				-4.68	-1.68	-.491	2.312	4.052	2.348		.3092	-1.73	-.487	-2.22	-1.26	-3.38			
1600				-4.44	-4.21	.3868	2.159	4.165	1.599		1.249	-.413	.8353	-.229	-.481	-2.59			
2000				-2.56	-2.39	.2128	2.523	2.431	.2664		2.214	1.449	1.273	-.397	.1792	-2.62			
2500				-3.34	-.786	1.145	1.889	2.803	.2.344		1.398	1.594	.8478	-.673	-1.78	-2.81			
3150				-.399	.8479	1.747	2.332	1.742	2.396		-1.84	1.794	.7572	-.482	-3.39	-2.27			
4000				.3656	-1.43	1.268	1.398	2.082	1.397		1.629	2.836	1.582	-1.39	-2.29	-3.68			
5000				-2.84	-2.12	-2.26	-2.36	1.803	.3489		4.289	2.952	3.311	-2.32	-1.94	-6.62			
6300				-.314	.9886	-.339	-.631	1.939	1.722		1.682	2.472	2.269	-1.11	-1.93	-3.61			
8000				-.239	-3.73	-.762	-.432	4.512	-.839		1.583	3.197	1.806	-1.07	-2.51	-5.27			
10000				-2.95	-4.13	-2.68	-1.88	4.519	-.784		2.239	3.436	2.629	-.857	-2.08	-5.24			

AMBIENT TEMP. 33.21
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/77 R/D 2/3/72-3

RUN=11 RDG=123 SPEED=6307

RADIAL DISTANCE 150

PAGE 1

DATE, 2/25/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 2.2	12.2	27.2	32.2	42.2	52.2	62.2	77.2	82.2	92.2	102.2	112.2	122.2	132.2	142.8	152.2	162.2	172.2	(PWL)
50				82,33	78,87	76,81	79,21	84,26	84,67	82,39	84,38	84,31	86,75	91,18	96,48				139,1
63				78,23	82,27	79,48	82,12	82,38	81,66	83,12	85,13	85,63	87,91	92,27	97,42				142,3
80				78,24	79,51	79,16	80,81	80,82	81,95	84,25	85,72	86,76	88,58	92,39	96,44				142,2
100				79,39	82,11	78,54	80,59	81,61	82,67	85,23	86,84	87,67	89,69	93,25	96,29				142,7
125				82,28	81,33	82,41	79,84	82,84	83,77	85,96	87,51	88,24	88,82	92,24	95,13				142,3
160				78,55	82,49	81,79	79,49	79,19	84,27	86,59	88,22	88,46	86,73	89,64	91,69				139,1
200				75,19	75,76	75,52	74,86	75,64	77,58	79,26	80,88	82,22	83,33	85,32	86,22				133,5
250				75,78	78,86	78,94	77,84	78,97	76,64	78,67	82,36	81,38	82,29	84,49	84,87				133,2
315				82,52	81,99	82,63	81,91	81,62	82,11	84,23	85,96	87,14	87,87	89,92	89,41				138,5
400				82,57	84,36	84,94	84,32	85,29	86,17	88,61	92,41	93,82	90,93	92,69	91,92				141,8
500				82,95	85,32	83,27	84,82	87,37	84,33	89,42	92,90	91,53	93,22	92,82	91,37				142,5
630				84,19	87,47	83,39	88,26	88,27	85,83	90,86	88,74	89,75	92,69	90,48	88,93				142,1
800				86,88	89,86	92,15	90,98	94,73	93,79	91,38	93,63	92,68	88,18	89,47	86,57				145,4
1000				83,15	85,38	86,41	87,65	90,59	89,58	89,36	92,59	90,25	90,49	90,23	86,61				142,6
1250				85,49	87,46	90,26	91,19	91,57	90,46	87,48	89,34	88,67	88,85	88,99	87,69				142,9
1600				86,49	88,83	90,46	90,85	93,43	89,14	89,57	90,89	89,83	89,22	89,31	87,61				143,8
2000				84,44	84,96	84,94	86,46	87,85	84,84	87,82	87,34	87,27	85,82	85,89	84,49				142,1
2500				82,94	84,76	84,85	85,59	86,29	85,99	85,35	86,29	85,44	83,68	82,45	82,76				139,2
3150				87,37	87,89	87,29	88,87	87,97	88,79	85,42	88,79	87,53	86,14	83,49	85,77				141,6
4000				89,69	86,88	88,19	89,31	89,77	88,27	90,92	91,38	89,83	90,89	86,89	85,68				143,6
5000				90,13	89,77	88,77	89,84	94,21	94,87	90,56	94,42	95,88	89,82	90,86	86,95				148,7
6300				89,22	88,91	87,15	88,56	90,55	91,33	92,71	92,61	91,49	88,55	87,84	88,39				145,6
8000				88,24	84,42	85,96	87,85	91,61	87,56	89,92	92,94	89,33	86,25	85,83	83,64				144,7
10000				87,41	85,51	86,88	86,67	94,99	89,99	92,57	94,86	91,92	88,73	87,36	85,62				148,5
MEASURED OASPL				99,52	100,1	100,6	101,7	103,6	102,5	104,3	104,6	104,3	103,8	105,1	106,9				
CALCULATED OASPL				98,94	99,31	99,64	100,9	103,3	101,9	103,6	103,9	103,4	102,5	103,7	105,3				
PNDB				112,8	112,7	112,6	113,7	116,3	115,6	118,3	117,9	117,3	114,3	114,9	113,5				
																		OAPWL	156,9

C112

AMBIENT TEMP, 33,22
WET-BULB TEMP, 27,49
BAR, PRESSURE 26,96
ABS, HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 59 + 3C T/D 1/30/70. R/D 2/3/70-3

RUN=11 RD=0184 SPEED=8529

RADIAL DISTANCE 150

DATE: 2/[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (P.L)
50				-5.66	-7.12	-7.39	-6.78	-5.62	-5.62		-3.69	-1.62	-1.68	.7657	5.186	12.49		
63				-8.69	-6.66	-7.45	-6.81	-6.56	-6.27		-3.81	-1.79	-1.29	.9826	5.341	10.49		
80				-8.78	-7.23	-7.59	-6.73	-6.12	-4.79		-2.69	-1.22	.0234	1.835	5.648	9.695		
100				-7.87	-7.15	-8.72	-6.67	-5.45	-4.59		-2.23	-.425	.4787	2.434	5.987	9.237		
125				-6.69	-5.43	-6.35	-6.93	-5.54	-2.99		-.825	.7428	1.272	2.254	5.471	8.363		
160				-5.94	-3.22	-3.77	-5.99	-6.37	-1.42		1.128	2.732	2.568	1.237	4.155	6.399		
200				-4.65	-4.28	-4.31	-4.97	-4.19	-2.26		-.775	.2478	2.368	3.499	5.461	6.379		
250				-3.82	-.659	-.984	-2.49	-2.62	-2.88		-.851	.8412	1.853	2.773	4.963	5.350		
315				-4.16	-2.68	-2.25	-2.76	-3.25	-2.56		-.445	1.289	2.469	3.192	5.227	4.734		
400				-5.42	-3.63	-3.05	-3.67	-2.72	-1.82		.0222	2.417	2.815	2.939	4.696	3.933		
500				-5.62	-3.26	-5.51	-2.75	-1.22	-2.25		.8434	1.382	2.953	4.442	4.226	2.797		
630				-3.92	-.648	-4.72	-.852	.1589	-3.08		2.743	.6229	1.642	4.487	2.371	.8151		
800				-4.39	-2.21	.8839	1.695	3.463	2.519		.8659	2.361	1.331	-3.29	-1.68	-4.72		
1000				-5.23	-3.88	-1.97	-.734	2.223	1.193		.9787	2.225	1.869	2.819	1.842	.2253		
1250				-3.12	-1.15	1.429	2.597	2.962	1.849		-1.13	.4326	.3647	.2422	.3828	-.922		
1600				-2.83	-1.32	1.136	1.521	4.299	-.223		.2423	1.561	.5723	-.126	-.214	-1.72		
2000				-1.11	-.582	-.628	.8967	2.299	-.729		2.258	1.789	1.724	.2744	.4442	-1.26		
2500				-1.32	.5149	.5886	1.326	2.231	1.729		1.289	1.832	1.183	-.576	-1.61	-1.49		
3150				.7191	1.239	.5992	2.217	1.322	2.143		-1.23	2.145	.8704	-.513	-3.16	-.875		
4000				1.373	-1.51	-.125	.9936	1.453	-.747		2.623	3.265	1.522	-1.42	-2.23	-2.64		
5000				-3.29	-3.45	-4.46	-3.39	.9822	.8449		5.332	3.376	2.578	-3.41	-2.36	-6.27		
6300				-.332	-.638	-2.39	-.986	1.203	1.779		3.159	3.263	1.944	-1.22	-1.71	-3.16		
8000				.3398	-3.29	-1.75	-.654	3.902	-.147		2.199	3.238	1.627	-1.45	-1.88	-4.25		
10000				-2.82	-4.72	-4.15	-1.56	4.752	-.239		2.338	3.826	1.688	-1.57	-2.87	-4.61		

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/70-3

RUN=11 RCG=104 SPEED=6500

RADIAL DISTANCE 152

DATE: 2/25/77

PAGE: 1

SOUND PRESSURE LEVELS REFUGEE AT STATION DAY

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52				75.79	73.83	73.37	74.47	74.17	74.34		77.59	79.62	79.33	81.47	83.49	87.58			132.2
63				76.24	73.11	74.37	75.63	76.16	76.26		76.62	79.89	80.57	81.28	83.94	87.94			132.9
82				71.35	73.26	73.19	74.15	75.18	76.33		78.29	79.65	82.57	81.29	83.97	87.29			132.5
102				73.02	74.35	72.64	75.35	76.64	77.65		78.96	82.32	81.52	82.55	84.52	87.28			133.2
125				78.65	75.31	73.29	78.52	78.79	82.51		79.17	79.85	83.44	82.55	83.79	86.85			134.8
162				76.78	71.61	71.21	71.39	72.81	74.59		76.27	77.63	78.34	78.85	82.73	82.27			129.6
202				68.23	69.74	69.34	69.23	69.69	71.76		72.82	74.39	75.34	75.82	77.25	77.39			126.3
250				72.78	73.14	72.48	71.68	71.27	72.62		72.36	74.92	75.17	76.49	78.23	78.35			127.2
315				76.52	78.24	76.96	75.98	74.69	75.83		77.59	79.48	82.76	82.99	83.27	82.94			132.1
422				78.17	79.57	79.48	77.99	78.41	79.43		80.99	82.82	84.28	84.24	85.57	85.28			134.9
502				78.49	78.58	77.58	78.14	79.74	82.48		81.44	82.75	84.32	84.34	84.87	83.74			134.9
632				75.83	76.63	75.65	76.85	78.92	78.28		78.31	80.72	82.62	83.21	81.13	80.43			132.9
823				79.23	81.23	81.71	79.11	78.86	78.63		79.84	81.43	81.59	81.65	81.46	79.73			133.7
1000				82.16	81.79	81.69	80.78	82.36	81.88		82.47	83.77	84.35	84.54	83.53	82.37			136.2
1252				82.34	83.53	82.87	82.19	84.63	82.31		82.75	84.42	84.31	84.34	83.27	81.96			136.6
1602				82.49	82.81	82.58	82.57	84.14	82.83		85.35	86.29	87.26	85.56	82.73	81.74			137.9
2000				81.78	81.38	81.39	81.65	82.93	82.52		84.81	85.28	85.87	83.92	82.97	79.44			136.9
2502				82.89	83.49	82.31	82.11	82.28	83.28		83.12	85.18	84.44	83.29	78.32	78.99			136.9
3152				85.98	87.28	85.63	86.71	86.35	86.99		85.52	89.99	88.15	84.58	82.52	82.94			142.9
4000				89.25	86.89	92.82	94.51	95.14	92.84		94.13	94.97	92.71	89.44	87.82	85.96			147.1
5202				90.67	88.38	93.87	98.29	98.92	95.84		97.19	96.51	94.77	91.15	90.19	87.91			152.2
6322				86.39	87.12	86.82	87.31	88.35	88.25		88.85	90.56	88.98	85.54	83.86	82.45			142.9
8022				87.42	84.95	86.25	86.95	91.52	87.11		88.79	90.22	92.32	86.82	84.92	82.51			144.5
10202				87.76	87.48	87.23	88.58	93.72	89.89		89.94	89.52	90.92	88.75	87.11	83.92			147.2
MEASURED OASPL				97.54	96.87	96.62	101.4	102.5	102.4		101.5	102.1	101.3	99.35	98.69	99.26			
CALCULATED OASPL				97.27	96.65	98.27	101.2	102.5	99.96		101.1	101.6	102.9	98.75	97.87	98.12			
PNDB				111.4	112.4	113.7	115.9	116.9	114.7		115.3	116.2	115.3	112.9	111.5	110.4			
																		OAPWL:	155.2

AMBIENT TEMP. 33.22
WET BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR + PHASE 5R + 5C T/D 1/32/77 A/D 2/3/77-3

RUN#11 RD2=12D SPEED=7167

C114

RADIAL DISTANCE 150

DATE: 2/28/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2 (PAL)
50				-3.14	-5.11	-5.63	-4.47	-2.56	-2.59	-1.34	.6694	.3964	1.532	4.506	8.643			
63				-3.49	-1.42	-5.23	-3.93	-3.37	-3.27	-.926	.3702	.8359	1.551	4.411	8.435			
80				-7.68	-5.77	-8.84	-4.09	-3.86	-2.78	-.826	.4144	1.538	2.168	4.937	8.262			
100				-6.37	-5.34	-7.25	-4.34	-3.25	-2.94	-.735	.6316	1.826	2.864	4.833	7.584			
125				-1.89	-5.19	-7.21	-1.99	-1.73	2.223	-1.33	-.662	2.938	2.247	3.285	6.348			
160				-5.25	-4.43	-5.23	-4.64	-3.23	-1.44	.2359	1.681	2.312	2.834	4.695	6.199			
200				-4.46	-2.95	-3.35	-3.46	-2.99	-.930	.1383	1.599	2.846	3.132	4.358	4.789			
250				-2.72	-.353	-1.89	-1.81	-2.29	-2.88	-1.13	1.426	1.679	2.998	4.733	4.859			
315				-1.83	-.284	-1.37	-2.38	-3.48	-2.48	-.745	1.114	2.432	2.658	4.934	4.685			
400				-2.98	-1.57	-1.66	-3.15	-2.74	-1.72	-.225	1.657	2.931	3.298	4.421	3.934			
500				-2.56	-2.46	-3.47	-2.91	-1.31	-.522	.3899	1.691	3.266	3.285	3.817	2.884			
630				-3.28	-2.28	-3.26	-2.86	.2153	-.627	-.598	1.817	3.727	4.128	2.248	1.525			
800				-.592	1.468	2.893	-.519	-.759	-.986	-.582	1.628	1.978	2.231	1.848	.1878			
1000				.2204	-.184	-.265	-1.18	.3966	-.159	.5148	1.811	2.389	2.599	1.588	.3425			
1250				-.237	.8685	.2945	-.376	2.892	-.259	.1818	1.844	1.739	1.788	.5885	-.614			
1600				-1.83	-.719	-1.22	-.957	.6371	-.596	1.822	2.567	3.533	2.231	-.797	-1.79			
2000				-.563	-.961	-.952	-.494	.9865	-1.82	2.469	2.936	3.529	1.576	-1.37	-2.90			
2500				-.616	1.382	.1921	.8211	.1668	.9575	.9896	3.067	2.326	1.183	-3.79	-3.11			
3150				.8299	1.134	-.314	.7683	.4852	1.248	-.443	4.249	2.284	.6136	-5.43	-2.99			
4000				-2.55	-4.91	-.399	2.712	3.336	.7342	2.332	3.171	.9133	-2.36	-4.78	-8.84			
5000				-4.85	-6.34	-.854	3.974	4.292	1.116	2.468	1.791	.8528	-3.57	-4.13	-6.81			
6300				-.436	.2851	-.813	.4711	1.515	1.419	1.217	3.729	2.145	-1.29	-3.77	-4.39			
8000				-.891	-2.56	-1.28	-.563	3.993	-.396	1.282	2.785	2.992	-.729	-2.59	-4.99			
10000				-1.18	-1.38	-1.63	-.297	4.857	1.936	1.988	.6575	2.062	-.158	-1.76	-4.94			

AMBIENT TEMP.	33.22
WET-BULB TEMP.	27.49
BAR. PRESSURE	29.96
ABS. HUMIDITY	2.472

FAA FAN/COMPRESSOR - PHASE 3R + 3C T/D 1/33/78 R/D 2/3/77-3

RUN=11 RDG=185 SPEED=7120

RADIAL DISTANCE 196

DATE: 2/26/72 PAGE: 1

SOUND PRESSURE LEVELS RECORDED AT STANDARD DAY

FREQ.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	(PWL)
50			76,17	74,5	74,73	74,18		,35	76,53	76,26	79,96	79,17	82,26	84,35	88,65			133,8
63			75,65	79,.6	77,23	74,89	75,.9	76,98		79,58	12,76	82,63	82,49	85,22	89,58			134,1
80			72,84	74,13	74,23	74,47	75,55	76,69		79,11	82,66	81,11	82,19	85,16	88,51			133,4
100			73,42	74,74	73,88	76,35	76,62	77,61		79,73	81,38	82,13	83,47	85,87	86,75			134,2
125			76,41	76,37	77,27	76,32	78,49	79,27		81,25	83,32	88,27	88,24	86,84	92,25			136,9
160			71,46	72,35	72,61	72,24	73,19	74,93		76,55	78,43	79,28	80,24	81,46	83,54			138,3
200			69,32	70,23	70,65	69,96	69,97	71,98		73,35	75,22	76,.2	76,74	77,65	78,5.			127,0
257			72,.1	74,56	73,78	72,63	72,68	71,72		73,66	75,19	76,5.	76,32	79,13	79,57			128,2
315			76,92	78,25	76,93	76,81	75,47	76,21		79,14	82,19	80,87	81,93	84,38	84,64			132,9
400			79,64	82,62	79,56	78,47	79,71	80,28		81,75	84,3.	84,96	85,75	87,61	88,81			136,2
500			78,46	79,17	78,74	79,17	80,66	82,45		83,49	84,53	85,44	85,99	86,14	85,47			136,4
630			76,44	77,23	77,89	77,82	79,21	79,14		82,26	81,78	84,59	83,90	82,53	82,91			134,1
800			82,28	81,94	82,19	81,22	81,88	81,66		81,42	91,82	84,18	84,35	82,74	82,72			135,5
1000			81,33	81,.2	82,24	81,18	82,89	82,62		83,11	84,59	84,82	85,81	83,82	83,19			136,7
1250			82,15	83,77	84,69	84,15	86,86	85,19		83,17	85,83	85,27	84,45	83,12	82,63			138,1
1600			82,35	82,.8	83,32	84,13	84,49	83,29		85,26	85,62	86,87	85,58	82,97	81,79			138,1
2000			82,91	82,22	81,22	81,84	83,25	82,94		84,56	84,68	85,16	83,34	82,74	79,24			136,6
2500			81,18	82,38	82,24	82,16	82,36	83,24		82,82	84,39	83,77	82,52	77,77	78,65			136,4
3150			85,86	86,38	85,72	86,45	86,81	88,19		85,07	89,24	88,01	85,77	80,38	82,85			142,8
4000			88,46	86,55	89,83	92,44	92,44	89,75		91,16	93,22	91,41	88,41	86,38	84,7.			148,2
5000			93,24	92,49	96,48	96,95	99,78	95,29		95,56	96,39	95,.9	92,3.	93,29	88,72			152,9
6300			87,64	88,58	87,72	87,99	88,49	88,79		88,42	89,98	88,99	85,84	83,26	83,2.			143,3
8000			87,58	84,69	86,86	86,63	92,99	86,84		88,73	89,59	89,52	85,71	84,15	82,48			144,1
10000			88,12	88,47	89,58	89,69	94,89	91,32		91,58	92,28	90,77	88,67	87,35	84,48			147,9
MEASURED OASPL			98,12	97,86	100,1	100,3	100,6	99,88		100,1	101,8	101,5	100,2	100,8	100,9			
CALCULATED OASPL			97,92	97,71	99,74	100,1	100,6	99,79		100,7	101,4	100,9	99,37	99,12	99,32			
PNDB			112,6	112,3	114,.	115,1	115,4	114,5		115,7	116,1	115,5	113,.	113,1	111,.			
																	OAP..	155,3

AMBIENT TEMP. 33..
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,47?

FAA FAN/COMPRESSOR - P-ASE 3P + SC R/D 1/32/72 R/D 2/3/72-3

RUN=11 RD@=126 SPEED=7337

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RADIAL DISTANCE 152

DATE: 2/26/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
0				-3.54	-5.17	-4.99	-4.84	-3.36	-3.18		-1.45	.2453	-.543	1.547	4.632	9.162		
63				-4.89	-1.69	-3.73	-3.85	-3.85	-3.76		-1.15	-.236	-.129	1.752	4.484	8.844		
8				-7.12	5.88	-5.75	-5.55	-4.47	-3.34		-.929	.6373	1.797	2.176	5.139	8.491		
10				-7.29	-5.95	-6.87	-5.34	-4.05	-3.28		-.953	.6933	1.438	2.781	5.184	8.261		
125				-7.44	-7.27	-6.17	-7.12	-4.95	-4.17		-2.19	-.126	4.925	4.599	3.398	6.817		
160				-5.49	-4.55	-4.34	-4.71	-3.75	-2.22		-.397	1.482	2.333	3.292	4.549	6.625		
200				-4.27	-3.15	-2.68	-3.42	-3.41	-1.39		-.231	1.639	2.635	3.361	4.265	5.119		
250				-2.38	.2483	-.728	-1.86	-1.51	-2.77		-.929	.7216	2.019	1.827	4.643	5.477		
315				-2.19	-.830	-2.19	-2.31	-3.65	-2.91		-.983	1.274	1.746	2.826	5.255	5.527		
400				-2.86	-1.88	-2.94	-2.93	-2.79	-2.42		-.751	1.816	2.439	3.246	5.148	4.327		
500				-4.04	-3.33	-3.74	-3.34	-1.84	-.254		.9843	2.025	2.936	3.399	3.638	2.964		
630				-3.67	-2.88	-2.21	-2.29	-1.29	-.965		.1541	1.674	4.403	3.715	2.423	.8227		
800				-1.13	.5238	.7829	-.198	.4627	.2393		.2020	.4277	2.753	2.929	1.324	-.691		
1000				-1.19	-1.53	-.269	-1.35	.3582	.2863		.5814	2.269	2.291	3.282	1.287	.6634		
1250				-1.67	-.248	.8673	.3591	.241	1.368		-.652	2.223	1.248	.5226	-.719	-1.19		
1600				1.28	-1.54	-.329	.5824	.8684	-.348		1.628	1.996	3.242	1.951	-.653	-1.83		
2000				-1.07	-1.76	-.756	-.142	1.267	-1.04		2.575	2.722	3.179	1.361	-1.24	-2.93		
2500				-.499	.6174	.5564	.4795	.6547	1.559		1.139	2.714	2.785	.8179	-3.92	-3.23		
3150				.3515	.4918	-.069	.6338	.9938	2.382		-.744	3.428	2.242	-.044	-5.43	-2.95		
4000				-1.52	-3.33	-.049	.5655	2.562	-.133		3.283	3.344	1.527	-1.47	-3.50	-5.17		
5000				-2.31	-2.87	1.124	1.628	4.426	-.263		3.211	1.348	-.258	-2.97	-2.26	-6.63		
6300				.4383	1.379	.5135	.7861	1.296	1.594		1.202	2.775	1.759	-1.56	-3.94	-4.19		
8000				.5044	-2.44	-.212	-.443	3.914	-.228		1.659	2.524	2.451	-1.37	-2.92	-4.59		
10000				-1.52	-1.17	-.268	.2397	4.448	1.671		1.854	.6347	1.122	-.977	-2.29	-5.17		

AMBIENT TEMP. 33.02
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RCQ=126 SPEED=7302

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RADIAL DISTANCE 152

DATE: 2/16/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.7	12.7	27.8	32.7	47.7	52.7	62.7	72.7	87.7	97.7	107.7	117.7	127.7	137.7	147.7	157.	167.7	177.7	(PWL)
52				79.15	76.89	76.51	76.41	77.94	78.23		79.84	81.97	81.21	83.28	86.35	92.69			134.9
63				79.15	81.69	79.86	82.85	81.34	80.48		82.39	83.32	82.85	84.82	87.74	91.47			136.4
82				75.85	78.66	76.51	76.73	77.46	78.67		82.02	82.13	82.42	83.91	87.67	92.17			135.2
104				76.17	76.74	75.25	76.97	77.93	78.63		81.24	82.74	83.21	84.25	87.39	92.17			135.4
125				77.75	81.19	78.57	79.52	78.49	80.42		85.75	84.45	87.24	85.41	88.47	91.21			137.6
162				73.82	73.70	73.78	73.48	74.66	76.45		78.55	79.81	80.87	81.58	83.65	85.36			132.7
202				71.59	72.27	71.51	71.39	71.91	73.42		75.14	76.58	77.56	78.21	79.44	80.78			128.7
252				74.98	76.42	74.82	73.36	73.09	72.37		74.15	75.68	76.89	78.33	82.22	82.45			129.1
319				78.82	78.98	77.54	77.35	75.92	76.97		78.67	80.47	81.99	82.37	84.48	84.21			133.3
404				83.22	81.33	80.39	80.49	82.31	81.79		82.58	84.63	87.52	86.57	88.24	87.36			137.4
507				79.28	79.86	79.22	80.51	81.78	81.65		82.84	84.47	86.15	87.15	87.59	88.84			137.8
632				77.92	80.75	78.26	80.79	82.27	81.17		82.36	83.14	84.93	85.14	84.85	82.91			135.8
807				79.23	80.34	79.37	80.28	79.65	80.56		81.94	83.27	84.38	83.15	83.28	82.17			135.1
1007				80.35	79.81	80.62	82.79	82.89	82.14		83.38	84.25	84.85	86.23	84.42	83.77			136.6
1261				82.85	84.39	85.47	85.94	87.25	86.71		86.22	85.72	88.22	86.25	84.48	83.87			139.5
1602				81.45	80.39	81.92	82.58	84.18	83.25		84.59	85.23	85.75	84.89	83.18	81.71			137.3
2004				80.29	78.97	80.71	82.17	83.68	81.13		83.95	83.73	84.21	82.27	82.85	79.52			136.1
2502				82.88	81.29	82.27	83.43	83.95	84.62		82.25	82.82	82.58	81.27	78.16	78.97			136.4
3157				86.21	85.29	85.28	87.47	87.65	87.79		84.38	87.44	86.19	84.87	82.32	82.81			142.2
4002				88.76	85.16	88.27	86.38	91.16	88.32		91.04	91.15	89.67	87.29	84.99	84.39			143.6
5002				94.54	91.72	95.39	96.69	100.4	94.21		99.31	95.29	96.25	93.46	92.92	90.23			151.8
6302				89.71	87.52	87.27	87.63	88.91	88.27		87.94	88.73	88.12	85.47	83.67	83.79			142.9
8062				88.87	83.49	86.22	86.41	91.28	86.39		88.27	88.33	88.56	85.16	83.64	82.64			143.7
10002				89.88	88.17	90.84	90.85	94.91	92.87		92.29	91.21	92.89	89.25	87.66	85.97			148.9
MEASURED DASPL				99.36	97.67	99.40	100.4	103.2	99.79		102.5	101.2	101.9	100.6	101.2	102.3			
CALCULATED DASPL				99.15	97.24	99.27	100.1	103.1	99.69		102.1	100.7	101.2	99.68	99.82	100.5			
PNDB				113.8	111.8	114.2	115.1	117.9	114.1		117.1	115.3	115.9	113.9	113.3	112.7			
																		OAP.LI	155.5

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 58 - 90 T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDO=127 SPEED=7502

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RADIAL DISTANCE 192

DATE: 2/16/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET																	(PWL)
	0.0	17.0	24.0	32.0	42.0	50.0	57.0	71.0	80.0	94.0	102.0	112.0	122.0	131.0	141.0	151.0	161.0	171.0	
50				-2,43	-4,69	-5,67	-5,17	-3,64	-3,52		-1,74	,3239	-,466	1,561	4,772	9,119			
63				-4,12	-1,56	-3,39	-2,42	-1,81	-2,77		-,854	,8748	-,422	1,554	4,492	8,228			
80				-5,89	-5,28	-5,23	-5,42	-4,28	-3,66		-,915	,3934	,6823	2,179	5,337	8,437			
100				-5,93	-5,36	-6,65	-5,13	-4,16	-3,46		-1,26	,6459	1,415	2,552	5,291	8,273			
125				-6,28	-2,55	-5,46	-4,53	-5,54	-3,61		1,718	,4176	3,269	3,376	4,369	7,178			
160				-4,77	-4,89	-4,82	-5,12	-3,1	-2,15		-,848	1,213	2,269	2,977	4,947	6,743			
200				-3,49	-3,28	-3,57	-3,69	-3,18	-1,67		,3542	1,497	2,472	3,123	4,752	5,669			
250				-,445	,9959	-,624	-2,24	-2,32	-3,25		-1,27	,2563	1,479	2,627	4,597	5,239			
315				-,765	-,931	-1,97	-2,16	-3,59	-2,61		-,843	,9652	2,489	2,794	4,972	4,593			
400				-,538	-2,23	-3,17	-3,27	-3,25	-1,77		-,977	1,072	3,904	3,228	4,492	3,779			
500				-3,82	-4,82	-3,88	-2,57	-1,32	-1,23		-,235	1,392	3,272	4,265	4,515	2,779			
630				-3,86	-1,84	-3,52	-1,83	,4835	-,613		,5744	1,374	3,146	3,354	2,867	1,126			
800				-1,75	-,645	-1,61	-,763	-1,34	-,427		,9591	2,218	3,393	2,173	2,199	1,165			
1000				-2,26	-2,59	-1,29	-1,62	,4775	-,272		,9733	1,836	2,442	1,621	2,712	1,359			
1250				-2,34	-,886	,2761	,7489	1,857	1,515		1,222	,5274	1,922	,8579	-,714	-1,33			
1600				-1,44	-2,49	-,975	-,319	1,288	,3965		1,697	2,131	2,813	2,882	,2869	-1,19			
2000				-1,23	-2,56	-,827	,6375	2,149	-,397		2,419	2,199	2,485	,7368	-,679	-2,31			
2500				-,749	-,338	,4384	1,381	2,321	2,984		,4168	1,187	,9486	-,345	-3,47	-2,67			
3150				,7586	-,188	,8222	2,192	2,387	2,918		-,924	2,166	,9241	-,481	-4,95	-2,47			
4000				,4372	-1,16	-,255	1,257	2,862	,8827		2,719	2,831	1,345	-1,23	-3,33	-3,94			
5000				-,964	-3,79	-,184	1,191	4,878	-1,29		3,829	-,203	,5522	-2,24	-2,59	-5,5			
6300				2,832	,6446	,3931	,7529	2,237	1,397		1,265	1,855	1,249	-1,41	-3,19	-3,42			
8000				2,288	-3,17	-,456	-,252	4,544	-,261		1,413	1,669	1,897	-1,52	-3,62	-4,62			
10000				-,712	-2,42	-,544	,2606	4,312	2,278		1,398	,6187	1,569	-1,54	-2,93	-4,62			

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AMBIENT TEMP. 33,22
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/78 R/D 2/3/78-3

RUN=11 RDG=197 SPEED=7500

RADIAL DISTANCE 150

DATE: 2/28/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET																(P.L.)
	7.7	12.7	27.2	32.7	42.7	52.7	62.7	72.7	82.8	92.7	102.7	112.7	122.7	132.7	142.2	152.7	162.7	172.7	
50				78.45	76.21	75.63	76.27	76.33	76.52		79.84	81.75	81.34	83.79	87.32	91.97			135.6
63				78.69	81.85	79.52	82.94	83.62	82.51		84.71	83.52	83.26	85.18	88.45	92.79			137.4
80				75.51	77.12	76.72	77.71	79.76	79.82		82.99	82.78	83.26	85.13	88.41	91.67			136.3
100				75.85	77.64	75.36	76.85	79.17	79.38		81.38	83.45	84.23	86.19	89.22	92.11			136.9
125				83.47	84.75	85.75	86.97	82.57	92.11		86.22	92.15	85.77	89.84	87.79	90.32			139.2
160				74.52	74.83	74.99	76.24	76.26	77.85		79.11	80.92	81.52	82.97	84.51	86.64			133.2
200				71.84	72.27	71.64	71.25	73.68	73.52		74.79	76.36	77.77	78.49	80.13	81.24			128.9
250				72.84	76.33	75.25	74.46	73.49	72.73		75.48	77.52	78.24	82.38	81.97	82.12			130.4
315				77.82	79.56	78.22	77.99	77.68	78.22		80.68	82.78	83.83	85.27	87.17	86.49			135.3
400				80.26	81.78	80.71	81.84	81.86	82.44		84.64	86.48	87.39	88.13	89.75	89.23			138.5
500				79.55	82.63	79.67	80.86	82.89	83.12		84.27	85.85	87.54	88.98	88.78	87.58			138.4
630				77.32	77.73	78.84	78.95	81.53	82.94		80.68	83.81	84.18	84.19	85.17	83.53			135.3
800				77.77	78.44	81.89	82.83	81.14	82.12		82.48	86.93	84.82	84.43	84.89	82.81			136.5
1000				79.29	82.95	82.81	81.47	83.83	83.78		84.66	85.53	85.54	86.29	85.90	84.95			137.5
1250				79.83	82.99	87.26	88.56	92.37	91.12		88.89	87.39	86.45	86.28	85.61	84.37			141.8
1600				80.29	81.54	85.44	88.14	90.15	88.91		87.82	87.16	86.64	87.21	85.88	83.48			140.8
2000				78.93	84.11	83.94	90.31	89.44	87.32		86.51	85.94	85.38	84.24	83.43	82.87			140.1
2500				79.28	81.74	84.21	87.82	88.46	87.74		84.52	84.52	83.21	81.22	79.83	79.33			138.9
3150				83.71	85.62	85.78	89.57	90.37	89.83		84.28	87.29	85.73	84.12	81.24	82.59			141.3
4000				86.81	85.19	84.88	89.81	90.95	88.28		90.13	90.98	89.29	86.28	84.67	83.54			143.1
5000				92.17	92.37	93.36	95.84	98.16	96.89		98.15	96.93	95.84	93.31	93.14	89.29			149.9
6300				88.44	88.77	87.12	88.82	89.19	86.19		88.43	89.26	87.92	84.74	84.21	83.22			143.1
8000				87.98	84.67	86.34	87.85	91.57	86.61		88.91	89.82	89.21	85.42	84.78	82.79			144.7
10000				88.12	88.58	89.21	91.17	95.38	92.59		93.32	93.95	92.48	89.54	89.06	86.44			149.7
MEASURED OASPL				97.93	98.18	99.22	102.9	103.3	102.7		102.5	102.7	101.9	101.4	102.0	103.2			
CALCULATED OASPL				97.51	97.81	98.71	100.6	103.1	102.3		102.1	102.3	101.3	102.4	100.8	101.4			
PNDB				111.9	112.3	113.3	115.1	117.6	115.5		116.9	116.8	115.8	114.2	114.1	112.2			

OAPWL: 155.8

AMBIENT TEMP. 33.27
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/32/78 R/L 2/3/77-3

RUN=11 HDG=183 SPEED=7727

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C12D

RADIAL DISTANCE 152

DATE: 2/28/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(P-L)
50				-3,61	-6,25	-6,47	-6,10	-3,93	-3,74		-2,42	-,513	-,916	1,527	5,262	9,643			
63				-5,34	-2,98	-4,52	-3,08	-,424	-1,51		-2,32	-,509	-,763	1,156	4,425	8,764			
80				-7,41	-5,61	-6,20	-5,22	-3,17	-3,11		-1,93	-,148	,3333	2,227	5,479	8,742			
100				-7,62	-6,41	-6,12	-6,64	-4,38	-4,27		-2,27	-,222	,7707	2,745	5,769	8,667			
125				-2,21	-,921	,2738	-8,71	-3,12	-3,56		,5417	4,475	,2258	3,368	2,129	4,645			
160				-5,13	-4,81	-4,66	-,41	-3,58	-2,59		-,542	1,268	1,872	3,323	4,863	6,992			
200				-4,37	-3,28	-3,77	-,89	-1,66	-1,82		-,552	1,816	2,423	3,153	4,762	5,699			
250				-3,89	-,393	-1,48	-2,26	-3,63	-3,99		-1,25	,7928	1,529	3,652	5,238	5,394			
315				-3,69	-1,95	-3,29	-3,52	-4,43	-3,31		-,827	1,267	2,316	3,562	5,658	4,789			
400				-4,42	-2,89	-3,97	-3,63	-3,61	-2,24		-,241	1,801	2,712	3,449	5,276	4,554			
500				-4,89	-3,82	-4,77	-3,58	-1,55	-1,32		-,177	1,486	3,291	4,532	4,313	3,135			
630				-3,98	-3,57	-2,46	-2,35	,2355	-,354		-,618	2,509	2,827	2,869	3,869	2,235			
800				-4,65	-3,98	-,529	-1,59	-1,27	-,299		,0611	4,518	2,425	2,218	2,475	,3941			
1000				-4,25	-2,39	-2,54	-1,88	,4863	,4291		1,313	2,179	2,191	2,947	2,554	1,558			
1250				-7,69	-4,52	-,456	1,250	4,857	3,611		1,379	-,120	-1,26	-1,43	-1,92	-3,14			
1600				-6,28	-4,83	-,926	1,767	3,784	2,542		1,448	,7943	,4754	,8367	-1,29	-2,89			
2000				-6,89	-5,71	-1,88	4,485	3,618	1,522		2,689	,1167	-,443	-1,59	-2,39	-4,95			
2500				-5,62	-2,37	-,897	2,917	4,348	3,632		,4102	,4183	-1,29	-2,88	-4,27	-4,78			
3150				-2,59	-,675	-,516	3,269	4,269	3,535		-2,22	,9992	-,565	-2,18	-5,26	-3,77			
4000				-,969	-2,59	-,921	1,223	3,165	,2953		2,344	3,225	1,328	-1,57	-3,11	-4,24			
5000				-2,25	-2,04	-1,05	,6193	3,748	-3,52		3,732	2,515	1,423	-1,11	-1,28	-5,12			
6300				1,428	1,759	,1129	1,211	2,186	1,178		1,419	2,254	,9128	-2,27	-2,79	-3,81			
8000				,6174	-2,61	-,947	,5620	4,286	-,678		1,622	2,534	1,927	-1,87	-2,51	-4,49			
10000				-3,27	-2,69	-2,18	-,226	4,164	1,498		2,129	2,752	1,287	-1,66	-2,14	-4,76			

AMBIENT TEMP. 33.22
WET-BULB TEMP. 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/72 R/D 2/3/72-3

RUN=11 RDG=120 SPEED=7700

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RADIAL DISTANCE 150

DATE: 2/24/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.															OAPWL
50	76.37	76.97	76.79	77.42	75.44	76.58	82.32	82.78	82.33	84.78	88.32	93.39			136.7
63	76.33	79.28	78.11	78.88	79.86	79.61	81.75	83.87	84.29	86.31	89.79	94.54			137.9
80	75.59	77.48	77.67	76.46	79.54	82.13	82.32	84.22	85.14	86.92	90.37	93.57			137.9
100	77.49	78.74	76.65	78.97	82.25	81.22	82.97	84.88	85.57	87.85	91.47	94.21			138.7
125	80.61	91.40	89.23	86.24	90.33	89.11	87.74	89.21	88.49	89.74	90.16	93.19			142.3
160	78.26	88.61	78.71	76.89	82.29	82.42	81.21	82.78	83.82	84.71	87.12	89.46			138.9
200	72.48	74.73	72.94	72.24	74.23	75.19	76.84	78.88	79.39	80.47	82.69	83.62			130.9
250	73.92	78.22	77.27	73.53	74.49	74.55	75.72	77.89	78.45	80.19	82.05	82.94			131.2
315	76.87	88.41	79.75	79.79	78.44	78.87	82.99	83.25	84.05	85.06	88.14	86.94			136.1
400	81.24	82.28	81.73	82.76	82.45	83.77	85.37	87.38	88.49	88.71	92.85	98.14			139.5
500	82.37	81.52	79.97	82.82	83.79	84.24	85.79	87.60	89.24	90.86	92.38	89.21			139.8
630	79.19	78.22	77.51	78.57	80.62	81.41	82.73	84.17	85.49	86.87	88.62	85.44			134.5
800	81.13	81.22	82.42	84.66	85.97	86.23	82.69	83.85	85.95	85.94	85.84	84.23			137.9
1000	82.19	82.71	81.71	82.15	84.47	85.15	85.44	86.55	87.11	88.39	86.86	85.72			138.7
1250	83.32	87.29	90.21	92.52	95.47	92.68	84.36	86.35	86.35	87.43	87.84	85.53			143.9
1600	82.79	82.47	85.11	88.88	98.88	88.12	87.73	87.78	88.83	87.14	86.59	83.72			146.9
2000	82.56	82.16	85.35	88.44	88.99	89.35	87.80	85.78	86.23	84.45	84.71	81.61			139.8
2500	88.47	83.28	85.56	87.82	87.56	86.32	84.19	86.77	83.92	82.34	81.22	80.39			138.8
3150	85.85	87.45	88.24	90.84	90.99	89.87	83.89	87.67	86.35	85.15	82.17	83.29			141.6
4000	87.47	84.55	88.29	89.24	89.49	87.69	89.13	90.42	89.13	86.45	85.22	83.54			142.9
5000	91.83	92.15	92.46	92.84	94.43	92.84	96.49	95.83	96.29	91.27	92.38	88.16			148.5
6300	88.22	88.89	87.83	87.44	88.29	87.97	87.83	90.22	88.38	85.33	84.49	83.21			142.8
8000	86.82	86.18	87.83	86.88	91.33	86.33	89.58	90.39	89.85	86.42	84.54	92.89			144.6
10000	88.86	88.11	88.75	89.43	93.57	89.53	92.22	94.59	93.29	89.75	88.26	85.51			148.8
MEASURED OASPL	98.88	99.87	100.2	101.2	102.9	101.8	101.8	102.7	102.9	102.1	103.3	104.8			
CALCULATED OASPL	98.26	99.69	99.48	100.5	102.4	102.3	101.3	102.2	102.2	102.9	101.8	102.8			
PNDB	112.3	112.9	113.2	114.3	115.8	113.5	110.8	110.4	110.6	110.8	110.3	112.3			

OAPWL: 155.7

AMBIENT TEMP, 33.00
WET-BULB TEMP, 27.49
BAR. PRESSURE 28.96
ABS. HUMIDITY 2.472

FAA FAN/COMPRESSOR - PHASE 5E - 5C T/D 1/30/77 R/D 2/3/77-3

RUN=11 RDQ=104 SPEED=7000

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RADIAL DISTANCE 158

DATE: 2/26/79

S/N & PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															(PWL)
	°,?	17°,?	27°,?	37°,?	47°,?	57°,?	67°,?	77°,?	87°,?	97°,?	107°,?	117°,?	127°,?	137°,?	147°,?	157°,?	167°,?	177°,?	
5?				-4,52	-6,41	-6,56	-5,96	-4,94	-4,22		-3,26	-,599	-1,65	1,397	4,921	12,22			
63				-8,31	-5,36	-6,53	-5,98	-4,97	-5,23		-2,89	-,959	-,534	,682	5,117	9,928			
8.				-8,88	-7,28	-6,96	-6,09	-4,89	-4,43		-2,24	-,336	,4851	2,358	5,838	9,215			
10?				-7,51	-6,46	-8,54	-6,22	-4,89	-3,97		-2,22	-,529	,6762	2,662	5,877	8,818			
125				-,166	2,685	,4323	-2,74	1,528	,3788		-1,06	,4269	,6966	,9428	1,358	4,388			
16?				-4,44	-1,89	-3,56	-5,41	-2,62	-,87		-1,89	,4778	1,327	2,447	4,819	7,183			
20?				-4,86	-2,61	-4,49	-5,11	-3,11	-2,15		-,527	,7324	2,752	3,126	5,352	6,275			
25?				-3,59	,7129	-,241	-1,98	-3,62	-2,96		-1,79	,3867	1,536	2,684	5,143	5,428			
315				-3,47	-1,87	-2,52	-2,49	-3,84	-3,41		-1,28	,9744	2,272	3,386	5,867	4,722			
40?				-4,42	-3,38	-3,93	-2,98	-3,21	-1,89		-,295	1,726	2,839	3,846	5,191	4,484			
50?				-5,48	-4,32	-5,88	-3,83	-2,65	-1,61		-,161	1,753	3,394	4,217	4,535	3,367			
63?				-3,28	-4,47	-4,96	-3,98	-1,87	-,855		,2565	1,743	3,222	4,334	4,125	2,968			
80?				-2,69	-2,67	-1,49	,8329	2,146	2,428		-1,13	,8212	2,123	2,117	2,221	,2214			
10?				-4,37	-3,81	-2,61	-2,37	-,253	,6344		1,125	2,829	2,588	3,875	2,342	1,182			
125?				-6,58	-2,49	,6297	2,937	5,886	3,798		-3,22	-1,23	-3,24	-2,15	-1,74	-4,25			
160?				-5,78	-4,88	-1,45	1,446	3,449	1,587		1,179	1,164	2,278	,5852	-,283	-2,83			
200?				-4,66	-3,06	,1240	3,213	3,777	,1389		1,848	,5581	,8085	-,769	-,511	-3,61			
250?				-3,62	-,864	1,477	3,735	3,273	2,229		,8355	,6841	-,167	-1,75	-3,27	-3,69			
315?				-1,57	,8280	1,621	3,421	2,369	3,255		-2,72	1,855	-,269	-1,47	-4,45	-3,32			
400?				-,122	-1,24	,7886	1,651	1,921	,1386		1,538	3,827	1,838	-1,14	-2,37	-4,25			
500?				-1,15	-,841	-,525	-,142	1,444	-2,35		3,468	2,846	3,366	-1,72	-,681	-4,83			
630?				1,475	1,939	,2622	,6879	1,535	1,216		1,282	2,168	1,626	-1,42	-2,26	-3,74			
800?				1,234	-1,48	-,524	-,702	3,747	-1,25		1,997	2,816	2,266	-1,16	-3,64	-4,68			
1000?				-2,39	-2,34	-1,7?	-,821	3,128	-,921		1,762	4,137	2,851	-,729	-2,19	-4,94			

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AMBIENT TEMP. 33,02
WET-BULB TEMP. 27,49
BAR. PRESSURE 28,96
ABS. HUMIDITY 2,472

FAA FAN/COMPRESSOR - PHASE 5B + 5C T/D 1/30/79 R/D 2/3/79-3

RUN#11 RPS=129 SPEED=7927

RADIAL DISTANCE 150

DATE: 2/16/73 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(P.L)
50					87.69	84.36	79.76	79.62	81.22	81.18	83.76	84.91	84.21	86.74	92.49	95.63			138.9
63					79.15	81.64	84.25	82.75	81.02	81.53	84.21	85.44	85.76	88.23	91.69	96.69			142.2
80					75.75	82.41	79.35	82.23	82.86	81.79	84.37	85.96	84.55	88.77	92.24	95.81			139.9
100					75.69	81.28	79.24	82.84	82.22	82.72	85.18	86.98	87 91	94.29	93.34	95.91			142.7
125					84.19	93.22	91.59	89.57	92.93	89.92	87.29	87.19	88 39	89.24	93.24	96.27			143.5
160					83.23	85.91	84.45	82.99	83.95	83.86	83.48	84.31	85.56	86.93	89.63	92.94			138.9
200					74.79	76.57	75.82	74.57	75.99	78.87	79.63	82.42	82.24	83.75	85.61	87.98			134.1
250					77.13	79.55	79.69	78.45	77.27	78.27	79.32	81.58	81.51	82.84	85.29	85.83			133.9
315					84.54	82.11	81.35	81.59	82.55	81.92	83.75	85.61	86.41	87.22	88.57	87.17			137.5
400					83.29	85.96	84.23	83.92	83.28	85.15	87.25	89.58	89.78	94.24	91.44	98.27			142.9
500					81.45	82.64	81.19	83.22	84.81	85.63	87.32	88.84	90.33	91.58	91.77	89.75			141.2
630					81.82	82.33	82.58	82.19	83.28	85.14	84.42	85.37	87.23	88.87	89.24	88.14			138.8
800					83.79	87.84	87.95	89.34	85.89	86.24	86.86	86.25	86.44	86.43	92.41	87.89			142.7
1000					82.48	83.28	84.71	85.99	87.85	86.81	87.88	87.93	88.12	88.95	88.39	85.79			142.8
1250					85.28	88.96	91.63	95.72	97.28	94.58	91.11	89.83	89.39	89.92	89.56	87.77			146.1
1600					81.75	83.74	85.64	88.49	88.28	88.51	88.28	87.34	87.77	87.74	86.31	84.79			141.1
2000					82.62	83.83	85.84	89.13	88.99	86.29	87.42	86.48	86.51	85.44	85.15	83.17			142.4
2500					80.87	82.95	84.39	83.61	85.31	85.83	85.14	84.63	84.48	82.57	81.26	81.22			138.1
3152					86.52	88.23	88.75	90.75	89.51	89.44	84.48	87.57	86.62	85.29	82.59	84.91			141.9
4002					88.58	86.69	84.56	89.39	89.97	87.74	89.48	89.85	89.18	86.18	85.14	84.96			143.2
5002					91.12	91.55	91.16	91.28	93.83	91.37	97.03	94.76	95.74	92.39	91.41	87.25			148.7
6302					87.45	87.43	86.32	87.72	88.84	88.44	86.17	88.84	88.32	85.62	85.20	84.27			142.9
8002					88.58	84.47	87.28	87.92	92.36	96.12	89.67	91.14	88.89	85.46	84.97	83.59			144.8
10002					88.02	86.62	87.71	88.99	94.34	98.93	93.14	92.69	91.89	88.73	87.45	85.73			148.3
MEASURED OASPL					99.75	100.9	101.2	102.6	103.7	102.1	103.3	103.2	103.5	103.3	104.9	106.0			
CALCULATED OASPL					96.98	99.99	107.3	101.7	103.1	101.2	102.4	102.2	102.4	101.9	103.3	104.8			
RMS					112.7	113.3	113.5	114.9	115.9	114.2	116.9	116.2	116.6	113.9	114.6	113.9			
																		OAPWL:	156.3

AMBIENT TEMP. 30.2°
WET-BULB TEMP. 29.2°
BAR. PRESSURE 28.95
ABS. HUMIDITY 2.803

FAA FAN/COMPRESSOR - PHASE 3B - SC 1/D 1/32/73 R/D 2/3/73-3

RUN=11 RDS=11. SPEED=6130

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RADIAL DISTANCE 15[illegible]

PAGE: 2

DATE: 2/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	12[illegible]	2[illegible]	3[illegible]	4[illegible]	5[illegible]	6[illegible]	7[illegible]	8[illegible]	9[illegible]	1[illegible]	11[illegible]	12[illegible]	13[illegible]	14[illegible]	15[illegible]	16[illegible]	17[illegible]	(P-L)
5[illegible]				-4,9[illegible]	-5,31	-5,91	-6,[illegible]5	-4,45	-4,49		-1,91	-,764	-1,37	1,[illegible]74	4,817	9,055			
63				-7,51	-5,22	-6,6[illegible]	-5,91	-5,54	-5,13		-2,65	-1,19	-,898	1,575	5,233	12,24			
8[illegible]				-7,73	-6,27	-7,14	-6,25	-5,52	-4,69		-2,11	-,499	,2667	2,221	5,554	9,332			
1[illegible]				-7,53	-5,99	-6,33	-5,42	-5,25	-4,54		-2,28	-,264	,6477	2,734	6,272	8,642			
125				,1918	3,[illegible]	1,499	-,123	,9285	-,[illegible]84		-2,97	-2,81	-1,61	-,758	3,238	6,[illegible]			
16[illegible]				-2,17	,5245	-,954	-2,42	-1,45	-1,54		-1,99	-1,29	,1622	1,533	4,234	7,542			
20[illegible]				-5,64	-3,87	-4,63	-5,88	-4,45	-2,37		-,815	-,919	1,594	3,324	5,162	7,541			
25[illegible]				-3,15	-,735	-,588	-1,23	-3,21	-2,22		-,972	1,292	1,227	2,578	4,822	5,547			
31[illegible]				-3,24	-1,67	-2,42	-2,17	-3,22	-1,87		-,[illegible]	1,833	2,642	3,244	4,797	3,422			
4[illegible]				-3,79	-1,13	-3,26	-3,18	-3,[illegible]	-1,94		-,731	2,494	2,895	3,152	4,557	3,169			
50[illegible]				-5,65	-4,46	-5,91	-3,88	-2,29	-1,47		,2167	1,737	3,235	4,477	4,666	2,647			
63[illegible]				-2,99	-4,47	-2,22	-2,61	-1,52	,3412		-,304	,3719	2,227	4,274	4,437	3,344			
8[illegible]				-2,85	1,223	1,314	2,726	-,744	-,391		,2279	-,584	-,195	1,79[illegible]	3,774	,4588			
12[illegible]				-3,79	-3,19	-1,53	-,289	1,57[illegible]	,5317		1,621	1,659	1,922	2,575	2,117	-,495			
125[illegible]				-6,52	-2,83	-,164	3,927	5,285	2,787		-,582	-1,97	-2,42	-1,67	-2,24	-4,22			
16[illegible]				-4,94	-2,92	-1,[illegible]5	1,828	3,395	1,828		1,315	,6501	1,286	1,249	-,375	-1,89			
20[illegible]				-3,27	-1,99	,0153	3,323	3,161	,4608		1,599	,6545	,7551	-,384	-,671	-2,66			
25[illegible]				-2,49	-,429	1,242	2,251	1,952	1,672		1,784	1,276	1,744	-,792	-2,29	-2,[illegible]			
315[illegible]				-,477	1,249	1,776	3,767	2,528	2,466		-2,58	,5924	-,356	-1,68	-4,39	-2,[illegible]7			
4[illegible]				,8498	-1,23	,8334	2,159	2,243	,0258		1,731	2,121	1,429	-1,55	-2,39	-2,77			
5[illegible]				-1,39	-,957	-1,35	-1,43	1,311	-1,15		4,512	2,248	3,223	-2,12	-[illegible],11	-5,25			
63[illegible]				,6253	,6[illegible]21	-,227	,8929	2,[illegible]09	1,629		1,343	2,229	1,489	-1,21	-1,[illegible]	-2,7[illegible]			
8[illegible]				,7952	-3,31	-,699	,2398	4,281	-,963		1,865	3,361	1,111	-2,32	-2,[illegible]	-4,[illegible]3			
12[illegible]				-1,95	-3,35	-2,26	-,982	4,367	-1,24		3,174	2,727	1,926	-1,24	-2,[illegible]	-4,24			

AMBIENT TEMP. 34,[illegible]
WET-BULB TEMP. 29,[illegible]
BAR. PRESS R= 28,96
ABS. HUMIDITY 2,863

FAA FAN/COMPRESSOR - PHASE 5P + 5C T/D 1/3[illegible]/72 R/D 2/3/72-3

RUN=11 RL=112 SPEED=8122

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RADIAL DISTANCE 15%

PAGE: 1

DATE: 2/16/77

SOUND PRESSURE LEVELS REFLECTED AT STANDARD DAY

FREQ.	ANGLES FROM INLET																(P.L.)
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50.				87.41	78.54	77.79	78.59	82.43	82.24	82.43	83.17	83.58	93.18	92.28	95.27				138.4
54				77.17	79.59	77.19	79.69	79.84	82.14	82.82	84.61	85.24	87.59	91.57	96.44				139.5
63				77.28	78.61	78.13	79.[illegible]	7[illegible].79	[illegible].16	83.43	85.17	86.16	88.74	92.43	95.59				139.4
80				78.46	79.72	77.06	82.13	81.29	82.21	84.43	86.35	87.31	89.41	92.99	96.[illegible]				142.4
100				85.65	86.78	83.22	85.64	83.53	86.21	83.67	86.37	87.43	89.41	91.99	95.[illegible]				145.2
125				83.11	83.92	2.81	82.87	82.93	83.37	84.21	85.97	83.19	87.23	89.29	91.54				139.4
160				74.22	75.28	74.75	74.46	75.38	77.41	78.93	80.16	81.27	82.58	84.41	85.22				132.9
200				75.67	78.91	79.61	78.82	78.74	79.53	78.87	82.54	81.27	82.81	84.90	84.47				133.3
250				82.39	81.64	81.94	81.27	82.59	81.88	83.87	85.47	86.53	87.74	89.22	89.24				138.2
315				92.27	84.69	85.45	84.69	84.64	85.71	87.77	89.75	89.99	92.49	92.61	91.61				141.5
400				91.67	82.78	83.25	84.65	86.38	86.11	87.74	[illegible].12	91.98	91.63	92.31	92.29				141.[illegible]
500				79.64	83.13	82.49	83.49	83.97	83.86	84.29	85.58	87.06	89.28	86.92	87.94				138.9
630				86.34	82.45	92.51	94.26	94.44	86.82	92.52	91.91	88.[illegible]	87.58	92.29	86.76				144.9
800				83.[illegible]7	84.69	84.86	87.[illegible]8	89.13	87.55	87.[illegible]0	88.33	88.97	89.72	89.58	87.79				141.2
1000				84.85	89.28	92.78	92.37	94.37	93.24	91.97	88.71	92.[illegible]7	88.34	88.96	87.47				145.3
1250				82.69	84.78	89.23	90.39	92.46	89.93	90.21	87.74	88.96	86.27	87.47	85.97				142.8
1600				82.55	83.26	85.66	88.69	89.18	85.45	88.47	87.27	86.[illegible]1	85.11	85.38	83.47				142.5
2000				82.45	83.22	84.2[illegible]	85.76	86.64	86.12	84.71	85.65	84.92	83.12	82.12	81.84				137.6
2500				85.74	87.23	87.14	88.26	88.12	88.26	84.46	87.99	86.71	85.93	82.67	84.83				141.9
[illegible]				88.[illegible]	8[illegible].17	88.29	88.95	89.72	87.39	89.43	90.66	89.[illegible]7	86.13	85.21	84.7[illegible]				142.9
4000				89.66	89.56	89.38	89.16	94.[illegible]7	91.21	96.62	95.31	95.84	89.41	92.23	88.[illegible]6				142.6
5000				87.20	87.19	86.49	87.33	89.21	88.53	89.21	89.77	89.42	86.20	85.24	84.39				140.3
6300				87.62	73.95	86.57	87.16	91.31	86.42	89.16	92.97	89.34	85.92	83.14	83.56				144.4
8000				86.85	85.32	86.74	87.77	94.24	88.66	92.28	93.25	92.27	88.71	87.[illegible]1	85.29				148.2
10000																			
MEASURED OASPL				99.47	99.79	101.1	102.2	104.7	101.9	103.5	103.9	103.[illegible]	103.6	100.2	102.[illegible]				
CALCULATED OASPL				98.23	98.03	97.91	101.1	103.4	102.8	102.5	102.8	102.7	101.7	100.2	100.4				
PNLB				111.8	112.[illegible]	112.7	113.5	114.2	113.7	116.9	116.7	116.7	113.6	114.2	112.7				
																		OAP [illegible]	156.2

AMBIENT TEMP. 34.[illegible]
WET-BULB TEMP. 29.[illegible]
BAR. PRESSURE 28.95
ABS. HUMIDITY 2.963

FAA FA [illegible]-PROSSCOR - P[illegible]-58 ± 50 T/D 1/30/77 R/D 2/3/77-3

[illegible] M[illegible]=111 SPEED=8300

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RADIAL DISTANCE 252

DATE: 2/19/77

PAGE: 2

STATIC PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ																		
50			-6.75	-6.53	-7.25	-6.49	-5.46	-4.84		-2.66	-1.12	-1.72	-.197	5.254				
63			-9.62	-6.19	-7.21	-6.56	-5.35	-6.45		-3.37	-1.58	-1.25	1.424	5.378				
80			-8.67	-7.37	-7.65	-7.19	-5.38	-5.43		-2.75	-1.07	-.934	2.161	5.922				
100			-8.47	-7.21	-9.29	-6.87	-5.63	-4.72		-2.48	-.575	.3877	2.483	6.765				
125			-2.57	-.742	-4.27	-1.85	-3.24	-1.48		-.816	.8361	-.459	1.916	4.465				
162			-2.75	-.837	-3.69	-2.59	-3.67	-2.39		-.552	1.217	.4297	2.267	4.492				
200			-5.09	-3.43	-4.42	-4.74	-4.63	-1.75		-.274	.9547	2.459	3.378	5.263				
252			-3.64	-.692	.2737	-2.67	-2.67	-3.07		-.732	.7368	1.581	2.921	5.295				
315			-4.41	-2.55	-4.45	-3.11	-3.79	-2.51		-.515	1.289	1.527	3.354	5.837				
400			-5.34	-2.92	-2.21	-3.54	-2.98	-1.89		.1585	2.138	2.269	2.888	5.193				
500			-4.24	-4.92	-4.45	-1.88	-1.33	-.56		.4298	1.428	3.271	4.227	6.642				
630			-5.09	-2.76	-2.47	-1.44	-1.63	-1.67		-.641	.8442	2.931	4.145	3.986				
800			-1.74	-2.63	-3.32	-4.188	-3.266	-2.27		.4257	1.833	-1.27	-2.52	-.2175				
1000			-3.93	-2.61	-2.19	.2833	2.129	.5921		.1269	1.332	1.974	2.726	2.582	.7914			
1250			-8.32	-1.68	-1.843	-1.429	-.9495	2.119		1.211	-2.25	-.988	-2.62	-1.99	-3.36			
1600			-5.67	-3.57	-.1217	2.748	4.112	1.577		1.859	-.629	.6119	-.287	-.948	-2.42			
2000			-3.31	-2.81	-.2621	2.928	3.316	-.385		2.224	-.488	.8512	-.749	-.478	-2.35			
2500			-3.49	-.881	.3387	1.866	2.744	2.227		.8163	1.749	1.219	-.774	-1.78	-2.24			
3150			-.3122	1.172	1.288	2.249	2.244	2.212		-1.59	-.244	.8527	-.527	-3.38	-1.22			
4000			.3112	-1.46	.7741	1.358	2.137	-.227		1.841	3.186	1.497	-1.49	-2.83	-2.66			
5000			-4.42	-2.31	-4.73	-2.69	-1.302	-.923		4.486	3.262	3.529	-2.74	-2.28	-4.73			
6300			.8717	-.921	-.7918	.2153	1.749	1.913		1.861	2.552	2.264	-1.12	-1.97	-2.35			
8000			-.4318	-1.41	-2.861	-1.389	-.4441	-1.14		1.886	3.428	1.782	-1.84	-2.41	-4.27			
10000			-2.48	-4.39	-2.67	-1.66	-1.49	-1.19		2.365	2.936	2.994	-1.22	-2.72	-4.41			

AVRG SOUND PRESS	34.22
AVRG SOUND PRESS	28.43
BAR. PRESSURE	28.84
ABS. HUMIDITY	2.863

RAW FAN ACOUSTIC PRESSURE DATA

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PAGE: 1

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SOUND PRESSURE LEVELS REFUCED AT STANDARD DIS

ANGLES FROM INLET

| FREQ. | | |

S.L. PRESS. OF LE BLD. DIRECTIVITY (-45)

RADIUS FROM PIVOT																		
PROBE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
51				-5.83	-2.69	-2.63	-2.02	-5.49	-5.33	-3.68	-2.22	-1.25	1.281	5.34	12.4			
47				-9.59	-6.94	-7.69	-7.33	-6.62	-6.29	-3.49	-1.81	-1.49	1.229	5.393	12.44			
43				-8.98	-7.52	-7.64	-7.11	-5.47	-4.68	-2.71	-1.15	-.372	1.977	5.914	9.65			
39				-8.65	-7.19	-5.51	-7.47	-5.49	-4.84	-2.51	-.817	-.724	2.325	5.954	9.366			
35				-6.73	-5.22	-6.19	-6.67	-5.71	-3.74	-.612	.8287	1.318	2.336	5.764	8.393			
31				-6.24	-2.58	-2.69	-3.37	-5.89	-1.38	1.758	2.738	2.727	1.246	3.678	5.814			
27				-4.25	-3.63	-4.14	-4.64	-3.67	-1.49	-.411	.7174	2.141	3.248	5.299	6.396			
25				-4.08	-1.68	-2.35	-3.47	-3.97	-3.66	-1.47	.4388	1.524	3.346	5.969	6.933			
315				-5.23	-3.71	-3.71	-3.89	-4.17	-3.22	-1.14	.8377	2.[illegible]	[illegible]	5.887	5.979	5.472		
429				-4.66	-1.69	-2.85	-3.84	-1.41	-1.98	1.628	1.832	1.869	3.227	4.565	3.421			
527				-5.52	-3.43	-4.78	-2.67	-.745	-1.64	1.774	1.943	2.762	3.926	3.957	2.958			
63.				-4.09	-.449	-2.35	.2936	1.663	-1.83	3.759	2.727	.2978	2.284	1.723	.3264			
67.				-4.51	.7229	-1.85	1.472	1.819	[illegible]	-.425	.8367	-.191	.2298	.4029	-1.81			
123				-5.78	-1.57	-1.46	-2.52	.7536	.7441	1.297	1.537	1.867	3.114	2.216	1.864			
125				-4.44	-1.43	.7256	1.461	2.365	1.973	-.489	.3902	1.721	1.237	.9864	-.222			
164				-4.29	-1.32	1.514	1.108	3.597	-.526	.7257	1.412	2.217	.8332	-.533	-1.57			
222				-2.53	-1.59	.4857	.7864	2.[illegible]29	-1.23	2.175	1.916	2.[illegible]29	.8262	.4787	-.825			
252				-2.67	.0288	1.725	.9791	1.864	1.867	.9423	2.367	1.[illegible]49	-.826	-1.91	-1.[illegible]			
315				-.815	.9455	.6168	1.816	1.922	2.242	-1.36	2.314	1.272	-.561	-3.26	-.954			
426				.1485	-1.79	.2295	.8458	1.537	-.754	2.798	2.964	1.863	-1.41	-2.25	-2.67			
51.				-4.69	-4.11	-3.93	-3.27	.6718	-.[illegible]	5.583	3.389	2.922	-3.52	-2.76	-6.62			
63.				-1.97	-1.32	-2.89	-1.41	1.169	1.327	3.446	3.148	2.428	-1.46	-1.97	-3.49			
67.				-.986	-3.87	-1.34	-.883	4.265	-.437	2.152	3.167	2.[illegible]31	-1.68	-1.69	-4.11			
123				-4.38	-5.58	-4.69	-1.93	5.593	-.989	2.734	3.516	1.692	-1.52	-3.49	-4.92			

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AMBIENT TEMP. 34.[illegible]

WET-BULB TEMP. 29.[illegible]

BAR. PRESS. RE 28.94

ABS. [illegible]VICITY 2.863

FAI FAN/COMPRESSOR - PHASE 5R + 5C T/C 1/32/77 R/C 2/3/77-7

RUN#11 REC.#112 SPEC.#8547